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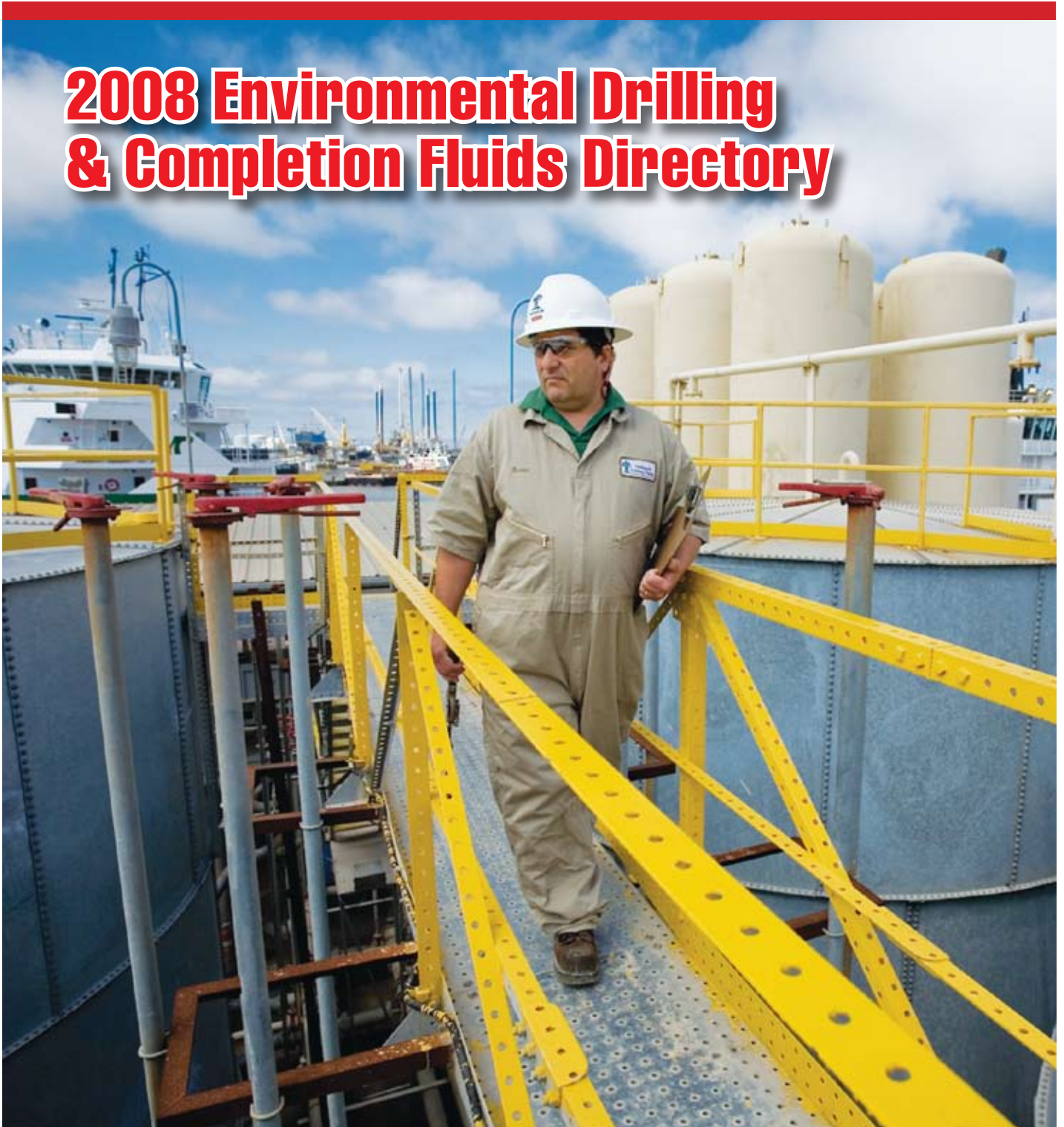
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World Trends and Technology for Offshore Oil and Gas Operations

2008 Environmental Drilling & Completion Fluids Directory



Environmental Drilling & Completion Fluids Directory

The 2008 Environmental Drilling and Completions Fluids Directory appearing on the following pages is a listing of industry fluid manufacturers and their individual products. The directory is differentiated into 15 sections based on type of fluid. Fifty-two participating mud companies and distributors are listed in the directory. Each listing includes new and updated products provided by each company with a descrip-

tion of the product and its general characteristics. With regulations and guidelines for the North Sea operational sectors requiring substances/preparations used and discharged offshore that are considered to pose little or no risk (Plonor) to the environment listing and Harmonized Offshore Chemical Notification Format (HOCNF) rating, this information is listed in the directory.

ENVIRONMENTAL DRILLING & COMPLETION FLUIDS COMPANY LISTING

Akzo Nobel Functional Chemicals LLC

Cellulosic Specialties
281 Fields Lane
Brewster, NY 10509, USA
(845) 276-8230
Jim.reid@akzonobel-chemicals.com

Ambar Lone Star Fluid Services

P.O. Box 51271
Lafayette, Louisiana 70505
(337) 237-5300
lacombec@amstarfluids.com

American Gilsonite

29950 South Bonanza Highway
Bonanza, UT 84008
(209) 304 3183
Bill Britton
bill@americangilsonite.com
ted@americangilsonite.com
www.americangilsonite.com

Aqua-Clear Inc.

608 Virginia Street, East
Charleston, West Virginia 25301
(304) 343-4792
Sales Contact: Tom Halloran,
President
tom@aquaclear-inc.com
sally.perkins@verizon.net
www.aquaclear-inc.com

Aqualon

Oil and Gas Technologies
1313 North Market Street
Wilmington, DE 19894-0001
(800) 345 0447
www.herc.com

Archer Daniels Midland

4666 Faries Parkway
Decatur, Illinois 62526
(800) 637-5843
keri_wagner@admworld.com

Baker Hughes Drilling Fluids

2001 Rankin Road
Houston, Texas 77073
(713) 625-4200
danette.pulis@bakerhughes.com
www.bakerhughes.com/
drillingfluids

Baroid Fluid Services

3000 North Sam Houston Parkway
Houston, Texas 77032
(281) 871-4135
mary.fouts@halliburton.com
www.halliburton.com

BASF Construction Polymers GmbH

P.O. Box 1116
83302 Trostberg
Germany
michaela.hechenberger@basf.com
www.construction-polymers.com

BJ Services Co.

5005 Mitchelldale, Suite 205
Houston, Texas
(713) 683-3400
dan_daulton@bjservices.com
www.bjservices.com

Boysenblue/Celtec International Inc.

P.O. Box 53648
Lafayette, Louisiana 70505
(337) 233-1121 Phone
(337) 233-6943 Fax
claireb@boysenblue.com
www.boysenblue.com

Cabot Specialty Fluids

Waterway Plaza Two
10001 Woodloch Forest Drive,
Suite 275
The Woodlands, Texas 77380
(281) 298-9955, (888) CS-DRILL
karen_bennett@cabot-corp.com
www.cabot-corp.com/csf

Cesco Chemical

100 Cesco Lane
Lafayette, Louisiana 70506
(337) 984-4227
frankm@cescochem.com

Chandler

Jon Thrasher
4200 W. 34th St. Suite D-6
Houston, Texas. 77092
713-935-9090
spike666@gte.net

Chemstar

3915 Hiawatha Avenue
Minneapolis, Minnesota
55406-3203
(612) 722-0079
hanshaw@chemstar.com
www.chemstar.com

Cognis Oleochemicals GmbH

PO Box 130164
40551 Düsseldorf
Germany
(49) 211 7940 4480
heinz.hm.mueller@
cognis-oleochemicals.com
anja.vonderhagen@
cognis-oleochemicals.com
www.cognis-oleochemicals.com

Croda Inc.

315 Cherry Lane
New Castle, Delaware 19720-2790
(302) 740-5331
richard.chung@croda.com

Deep South Chemical Inc.

P.O. Box 80657
Lafayette, Louisiana 70598-0657
(337) 837-9931
skbajjal@deep-south-chemical.com

Drilling Specialties Co./Chevron Phillips LP

P.O. Box 4910
Woodlands, Texas 77387-4910
(832) 813-1879
goldwds@cpchem.com
www.drillingspecialties.com

Drillsafe Janel Int.

Polanska 35
43-450 Ustron/Poland
(48) 33 854 3000
office@drillsafe.com.pl

DSC INCORPORATED

PO Box 9464
The Woodlands, Texas 77387
(281) 932-8290, fax
(603)-584-6058
www.TORKease.com
TORKease@aol.com, info@
torkease.com

Ecofluids, Inc.

601 Jefferson, Suite 3770
Houston, Texas 77002
Tel: 713-654-7888
Fax: 713-654-7880
email: ecofluids@sprintmail.com
website: www.ecofluids.net

Elkem Ltd

305 Glossop Rd
Sheffield, S10 2HL
R No. 1940808
(registered in England)
Tel: +44 1334 850169, Mob: +44
7717 325783
www.wdp.elkem.com
chris.steele@elkem.no

Gumpro Chemicals

56, C.P. Tank Road
Bombay, 400 004 India
(91) 22-23827671/2
gumpro@vsnl.com
www.gumprochem.com

Horizon Products

1600 Oregon Street
Muscatine, Iowa 52761
(866) 268-3561, fax (563)
264-4788
www.grainprocessing.com
david_cali@grainprocessing.com

Impact Fluid Solutions, LLC

2800 Post Oak Blvd.
Suite 5220
Houston, Texas 77056
Tel: (713) 964-7736
preid@impact-es.com
www.impact-es.com

Kelco Oil Field Group

10920 W. Sam Houston Pkwy N.,
Ste. 800
Houston, Texas 77064
(713) 895-7575
www.kofg.com

KEM-TRON Technologies, Inc.

10404-B Cash Road
Stafford, Texas 77477
(281) 261-5778, fax (281)
499-4080
info@kemtron.com
www.kemtron.com

Lamberti SPA

Via Marsala 38 – Torre D
21013 Gallarate (VA)
Italy
(39) 0331-715701, fax (39)
0331-996701
Mob. (39) 335-7367482
stefano.crespi@lamberti.com
www.lamberti.com

Lamberti USA Inc.

P.O. Box 1000
US 59 @ County Road 212
Hungerford, Texas 77448
(281) 342-5675, fax (979)
532-3749
luigi.nicora@lamberti.com
www.lambertiusa.com

Liquid Casing Inc.

P.O. Box 56324
Houston, Texas 77256-6324
(713) 785-0594
www.liquidcasing.com

M&D Industries of Louisiana Inc.

P.O. Box 82007
Lafayette, Louisiana 70598-2007
(337) 984-0471
rope@ultrasealinc.com
www.ultrasealinc.com

Mayco Wellchem Inc.

1525 North Post Oak Road
Houston, Texas 77055
(713) 688-2602 OFFICE
(713) 688-3620 FAX
www.maycowellchem.com

M-I SWACO

5950 North Course Drive
Houston, Texas 77072
(713) 739-0222
tsonnonstine@miswaco.com

Montello Inc.

6106 East 32nd Place, Suite 100
Tulsa, Oklahoma 74135-5495
Miles Johnson: Sales Manager
(800) 331-4628, fax (918)
665-1480
call@montelloinc.com
www.montelloinc.com

Newpark Drilling Fluids

1311 Broadfield Blvd, Suite 600
Houston, Texas 77084
Phone: 800-444-0682
Fax: 281-754-8663
Del Leggett
d_leggett@newparkdf.com
www.newparkdf.com

Norbar Minerals AS

Gamle Forusvei 43
4033 Stavanger, Norway
(47) 3592 4650,
mo (47) 9055 5520
fax (47) 3592 2289
kkristiansen@miswaco.com
ederkach@miswaco.com
www.ecoform.net

Oleon n.v.

Industriezone Ter Straten
Vaartstraat 130
B-2520 Oelegem
Belgium
(32) 3 4706272
Michel.janssen@oleon.com
www.oleon.com

PQ Corp.

Valley Forge Executive Mall
P.O. Box 840
Valley Forge, Pennsylvania 19482
(610) 651-4200

PRIME ECO GROUP INC.

2933 Hwy 60 South
Wharton, Texas 77488
(979) 531-1100, fax (979) 531-8030
guzmanf@primeecogroup.com
www.primeecogroup.com

PT Indobent Wijaya Mineral

Wisma Pede 4th Floor-JI. Let Jend,
Haryono
M.T. Kav. 17, Jakarta 12810,
Indonesia
(62) 21 829 1041

Quaron N.V.

Industrieweg 27
1521NE Wormerveer
The Netherlands
(31) 75 6474500,
fax (31) 75 621 8438
jboulleij@quaron.com

Setac

5905 Johnston Street, Suite E
Lafayette, Louisiana 70503-5466
(337) 988-2236, fax (337)
988-2411
setac@setac.com

Special Products

P.O. Box 27727
Houston, Texas 77227-7727
(713) 627-9011
jack.forester@special-products.com

Strata Control Services, Inc.

P.O. Box 272
1811 West Mill Street
Crowley, Louisiana 70527-0272
(337) 785-0000, fax (337)
785-0004
stratinc@bellsouth.net
www.stratacontrol.com

Sun Drilling Products Corp.

503 Main Street
Belle Chasse, Louisiana 70037
800-962-6490
(504) 393-2778, fax (504)
391-1383
solutions@sundrilling.com
www.sundrilling.com

TBC-Brinadd

4800 San Felipe
Houston, Texas 77056
(713) 877-2727 fax (713) 877-2604
plant (713) 664-4911
@tbc-brinadd.com
www.tbc-brinadd.com

Tetra Technologies Inc.

25025 I-45 North
The Woodlands, Texas 77380
(281)-367-1983
strohr@tetratec.com
www.tetratec.com

Turbo-Chem International Inc.

P.O. Box 60383
Lafayette, Louisiana 70596
(337) 235-3098, (800) 259-7838
dawn@turbochem.com
www.turbochem.com

Venture Chemicals

P.O. Box 53631
Lafayette, Louisiana 70505
(337) 232-1977
donna.mertz@venturechemicals.com

Weatherford International Ltd.

515 Post Oak Blvd, Suite 100
Houston, Texas 77027
713-693-4886
ray.veldman@weatherford.com
www.weatherford.com

Well-Flow International

707 Lehman
Houston, Texas 77018
(281) 448-2900
Ashlie@well-flow.com

Product name	Description	Dispersed	Nondispersed	Saturated salt	Fresh water	Oil-based	Synthetic fluid	Normal concentration usage (lb/bbl)	HOCNF classification	Ponor listing available	Passed LC50 test
BACTERIACIDES											
AMBAR											
AMCIDE	Bactericide	*	*	*	*			0.05		Y	
X-CIDE 207	Granular microbiocide	*	*	*	*			0.0175		Y	
BAKER HUGHES DRILLING FLUIDS											
MIL-BIO NS	Phosphonium sulfate biocide	*	*	*	*						
X-CIDE 102	Glutaraldehyde bactericide	*	*	*	*			30-500 ppm			
X-CIDE 207	Isothiazolone-base biostat powder	*	*	*	*			0.015	Y		
BAROID FLUID SERVICES											
ALDACCIDE-G	Biocide-Glutaraldehyde solution	*	*	*	*			0.2-0.5	Y	Y	
STARCCIDE	Microbiocide solution	*	*	*	*			0.3-0.5	Y		
BJ SERVICES											
MAGNACCIDE	Bactericide for well treatments	*	*	*	*			0.01-0.1%	E	Y	Y
X-CIDE 102	Bactericide 70-400°F	*	*	*	*			0.01-0.1%			
DEEP SOUTH CHEMICAL											
BF-30	Thiocarbamate bactericide	*	*	*	*			55 gal/100 bbl			
BIO 3	Fiming Amine & bactericide	*	*	*	*			55 gal/150 bbl			
CIDE	Blended organic sulfur antimicrobial agent	*	*	*	*			5 gal/100 bbl			
DRILLSAFE JANEL											
DS-501E	Bactericide and filming corrosion inhibitor	*	*	*	*			0.01-0.02			
DSB-301	Biodegradable ammonium compound	*	*	*	*			0.02-0.2			
DSB-302	Biodegradable ammonium compound	*	*	*	*			0.01-0.2			
DSB-324	Isothiazolone-based compound	*	*	*	*			0.005-0.02			
KEM-TRON TECHNOLOGIES											
K CIDE	Biocide	*	*	*	*						
LAMBERTI SPA											
CARBOSAN EF	Triazine based biocide	*	*	*	*			0.1-2			
CARBOSAN 135/TR	Triazine based biocide	*	*	*	*			0.1-2			
MAYCO WELLCHEM											
MAYCO CORCIDE	Bactericide, corrosion inhibitor	*	*	*	*			0.2-0.5			
M-I SWACO											
M-I CIDE	Biocide	*	*	*	*			0.2-0.6	N	N	
SAFE-CIDE	Biocide	*	*	*	*			0.1-0.5	Y	N	
NEWPARK DRILLING FLUIDS											
X-CIDE 102	Aldehyde-based	*	*	*	*						
X-CIDE 207	Isothiazolone-base	*	*	*	*						
PROGRESS CHEMICAL SALES											
ALKA QUAT CPB	Corrosion inhibitor	*	*	*	*			0.01-1			
PRO-CIDE	Bactericide	*	*	*	*			0.05			
QUARON N.V.											
MC GLUT - 10	Glutaraldehyde 10% sol.	*	*	*	*			0.4-0.6			
MC GLUT - 24	Glutaraldehyde 24% sol.	*	*	*	*			0.2-0.5			
SPECIAL PRODUCTS											
B-9099	DBPNA	*	*	*	*			0.01			
GREENCIDE 25-G	Glutaraldehyde	*	*	*	*			0.01			
TETRA TECHNOLOGIES, INC.											
BIOCIDE	Antimicrobial	*	*	*	*						
WEATHERFORD INTERNATIONAL LTD.											
BIOCLEAR 1000	DBPNA - fast acting, general purpose	*	*	*	*			0.01			
COMPLETION FLUIDS, CLEAR FLUIDS, BRINES											
AMBAR											
AMBASOL	Barium sulfate dissolver	*	*	*	*			25-50%			
AMBUF	Ph stabilizer	*	*	*	*			0.2			
AMCARB (C)	Calcium carbonate	*	*	*	*			As needed			
AMCARB (F)	Calcium carbonate	*	*	*	*			As needed			
AMCARB (M)	Calcium carbonate	*	*	*	*			As needed			
AMCIDE	Bactericide	*	*	*	*			5gal/100bbl			
AMCOR	Corrosion inhibitor filming amine	*	*	*	*			30gal/100bbl			
AMCOR HT	Corrosion inhibitor HT/heavy brine	*	*	*	*			55gal/400			
AMDEFOAM	Defoamer	*	*	*	*			0.25/100bbl			
AMFLUSH	Well wash	*	*	*	*			55gal/100bbl			
AMONIUM CHLORIDE	Salt	*	*	*	*			As needed			
AMOXBAN	Oxygen scavenger	*	*	*	*						
AMSCALE	Corrosion inhibitor	*	*	*	*			10%			
AMSEAL	Fluid loss	*	*	*	*			1/10			
AMSOLVE	Displacement chemical (solvent)	*	*	*	*						
AMTROL	Viscosifier liquid	*	*	*	*			0.25-4			
AMVIS	Viscosifier dry powder	*	*	*	*			0.25-4			
AMVIS HTE	Displacement chemical (viscosifier)	*	*	*	*						
AMZINC VIS I	Liquid viscosifier	*	*	*	*			3%			
AMZINC VIS II	Liquid viscosifier	*	*	*	*			3%			
AMZINC VIS III	Liquid viscosifier	*	*	*	*			3%			
BREAKER I	HEC breaker	*	*	*	*			0.25-2			
BREAKER II	HEC breaker	*	*	*	*						
CALCIUM BROMIDE	Salt	*	*	*	*			As needed			
CALCIUM CHLORIDE	Salt	*	*	*	*			As needed			
CLEAN DRILL C	Drill-in fluid - calcium carbonate system	*	*	*	*						
CLEAN DRILL HD	Drill-in fluid (high density brines) - calcium carbonate system	*	*	*	*						
ENZYME I	HEC breaker	*	*	*	*			20 oz/20 bbl			
FIBER-VIS	Viscosifier extender	*	*	*	*			0.5/10			
HEC-SAV	Thermal stabilizer	*	*	*	*			0.5-1%			
MAGMA FIBER	Lost circulation material	*	*	*	*			5-25			
PERM PLUS S	Brine surfactant	*	*	*	*						
PHDOWN	pH stabilizer depressor	*	*	*	*			1/10			
PHUP	pH stabilizer	*	*	*	*			1/10			

Product name	Description	Dispersed	Nondispersed	Saturated salt	Fresh water	Oil-based	Synthetic fluid	Normal concentration usage (lb/bbl)	HOCNF classification	Ponor listing available	Passed LC50 test
POTASSIUM CHLORIDE	Salt	*	*	*	*			As needed			
SCALEHIB	Scale inhibitor	*	*	*	*			2.50%			
SD-300	Nonionic surfactant	*	*	*	*			5%			
SODIUM BROMIDE	Salt	*	*	*	*			As needed			
SODIUM CHLORIDE	Salt	*	*	*	*			As needed			
X-C POLYMER	Viscosifier	*	*	*	*			0.25-2			
X-CD POLYMER	Viscosifier	*	*	*	*			0.25-2			
AQUALON											
AQUACEL R-110	Low viscosity Carboxymethyl cellulose	*	*	*	*			0.25-2		Y	Y
AQUACEL R-190	High viscosity Carboxymethyl cellulose	*	*	*	*			0.25-2		Y	Y
AQUAFLO LV	High viscosity Standard Polyonic cellulose	*	*	*	*			0.25-2		Y	Y
AQUAFLO HV	Low viscosity Standard Polyonic cellulose	*	*	*	*			0.25-2		Y	Y
AQUAPAC LIQUID	Environmental friendly anhydrous AquaPAC suspension	*	*	*	*			0.5-4	D	Y	Y
AQUAPAC LV	Low viscosity Premium Polyonic cellulose	*	*	*	*			0.25-2		Y	Y
AQUAPAC REGULAF	High viscosity Premium Polyonic cellulose	*	*	*	*			0.25-2		Y	Y
AQUAPAC ULV	Ultra Low viscosity Premium Polyonic cellulose	*	*	*	*			0.25-2		Y	Y
ECODURA	PLONOR rated aqueous HEC suspensions	*	*	*	*			1-10		Y	Y
NATROSOL 210 HH	Ultra High viscosity and Fast hydrating HEC	*	*	*	*			0.5-2.5		Y	Y
NATROSOL 250 HHR-P	Ultra High viscosity HEC	*	*	*	*			0.5-2.5		Y	Y
NATROSOL HI-VIS	Ultra High viscosity HEC	*	*	*	*			0.5-2.5		Y	Y
NATROSOL LIQUID	Environmental friendly anhydrous HEC suspension	*	*	*	*			1-5	D	Y	Y
SODIUM FORMATE	Salt	*	*	*	*			As needed			
ARCHER DANIELS MIDLAND											
OPTIXAN D	Dispersed Xathan gum biopolymer	*	*	*	*			0.25-2.0			Y
OPTIXAN PLUS	Dispersed Xathan gum biopolymer - mid grade	*	*	*	*			0.25-2.0			Y
OPTIXAN ULTRA	Dispersed Xathan gum biopolymer - high grade	*	*	*	*			0.25-2.0			Y
OPTIXAN T PLUS	Clarified dispersed Xathan gum biopolymer	*	*	*	*			0.25-2.0			Y
OPTIXAN T ULTRA	Clarified dispersed Xathan gum biopolymer - High Grade	*	*	*	*			0.25-2.0			Y
BAKER HUGHES DRILLING FLUIDS											
CLEAR-DRILL N	Sodium formate DIF/completion fluid	*	*	*	*					Y	Y
MUL-FREE RS	Non-emulsifier	*	*	*	*						Y
W.O. 21L	Liquid HEC viscosifier for workover fluids	*	*	*	*			0.15-2.1 gal/bbl			Y
W.O. 21LE	Liquid HEC, environmentally friendly	*	*	*	*			0.3-1 gal/bbl			Y
BAROID FLUID SERVICES											
BARABRINE DEFOAM	Brine defoamer	*	*	*	*			0.05 -0.25			Y
BARABRINE SI	Scale inhibitor for clear brines	*	*	*	*			0.025-0.05			
BARABUF	pH Buffer	*	*	*	*			0.1-2.0		Y	Y
BARACOR 100	Film-forming brine corrosion inhibitor	*	*	*	*			1%		Y	Y
BARACOR 450	HT corr. inhibitor for >2% zinc brines	*	*	*	*			0.2-0.4%		Y	Y
BARACOR 700E	Corrosion inhibitor for brines	*	*	*	*			0.5-2.0		Y	Y
BARAKLEAN	Degreaser/oil mud remover/cleaner	*	*	*	*						Y
BARAKLEAN DUAL	Surfactant/solvent for casing cleaning	*	*	*	*					Push Pill	
BARAKLEAN FL	Wellbore cleaner for displacement	*	*	*	*			5% in H2O			Y
BARAKLEAN FL PLUS	Wellbore cleaner for displacement	*	*	*	*			5% in H2O		Y	
BARAKLEAN NS PLUS	Wellbore cleaner for displacement	*	*	*	*			5% in H2O		Y	
BARAKLEAN GOLD	Wellbore cleaner for displacement	*	*	*	*			5% in H2O		Y	
BARAPLUG 20, 50, 6/300	Sized sodium chloride particles	*	*	*	*			10-200		Y	Y
BARARESIN	Sized oil soluble bridging particles	*	*	*	*			5.0-20.0			
BARARESIN-VIS	Oil soluble viscosifier	*	*	*	*			3.0-20.0			Y
BARASCRUB	Terpene derived well cleaner	*	*	*	*					As needed	
BARASORB	Oil-adsorbant for brine reclamation	*	*	*	*					As needed	
BARAVIS	HEC/ water and brine viscosifier	*	*	*	*			1-3		Y	Y
BARAZAN	Xanthan gum	*	*	*	*			0.1-2.0		Y	Y
BARAZAN D	Dispersion enhanced xanthan gum	*	*	*	*			0.1-2.0		Y	Y
BARAZAN D PLUS	Dispersion enhanced xanthan	*	*	*	*			0.1-2.0		Y	Y
BARAZAN L	Xanthan gum in liquid dispersion form	*	*	*	*			0.5-4.0		Y	
BROMI-VIS	CaBr2/ZnBr2 brine viscosifier	*	*	*	*			5.0-20.0			Y
FLO-CLEAN MD	Flocculant for calcium brines	*	*	*	*			1-3 vol%			
FLO-CLEAN Z	Flocculant for zinc brines	*	*	*	*			1-3 vol%			
N-SOLATE	Thermal insulating packer fluid	*	*	*	*					System	
NO BLOK C	Emulsion preventor for non-zinc brines	*	*	*	*			0.1-1 vol%			
NO BLOK Z	Emulsion preventor for zinc brines	*	*	*	*			0.1-1 vol%			
OXYGON	Oxygen scavenger	*	*	*	*			0.1-0.2		Y	
BASF											
BASODRILL 1000	Displacement fluid, solvent	*	*	*	*			3-6%			
BASOPUR DF 5	Liquid defoamer, salt tolerant, biodegradable	*	*	*	*			0.1-1			
BIOFLOW	Xanthan gum	*	*	*	*			1-6		Y	Y
BIOVIS	Temp. stable biopolymer	*	*	*	*			1-3		Y	Y
POLYDRILL	Synthetic fluid loss polymer	*	*	*	*			2-4		Y	Y
POLYVIS II	Mixed metal hydroxide-based viscosifier	*	*	*	*			0.3-1		Y	Y
BJ SERVICES											
AMMONIUM CHLORIDE	NH4Cl - ammonium chloride	*	*	*	*						

Product name	Description	Dispersed	Nondispersed	Saturated salt	Fresh water	Oil-based	Synthetic fluid	Normal concentration usage (lb/bbl)	HOCNF classification	Prior listing available	Passed LC50 test
HIGHPERM™ B	Modified brine to control carbonate precipitation			*							
ICE-CHEK™	Hydrate-free completion and packer fluid		*	*			As needed				
INSULGEL	Insulating packer fluid for deepwater		*	*			As needed				
NOCAL™ FB	Formate/bromide blends to 12.9 ppg		*	*				E	Y	Y	
NOCAL™ HTLC	Completion/packer fluids for high temperature use		*	*				E	Y	Y	
NOCAL™ I	Sodium chloride solution to 10.0 ppg		*	*				E	Y		
NOCAL™ I I	Sodium chloride/bromide sol. to 12.8 ppg		*	*				E	Y		
NOCAL™ I I SB	Sodium bromide solution to 12.8 ppg		*	*				E	Y		
NOCAL™ K	Potassium chloride solution to 9.7 ppg		*	*				E	Y		
NOMUL™ Z	Non-emulsifier for calcium / zinc brines						0.5-1.0 vol %				
POTASSIUM FORMATE	Potassium formate brines to 13.1 ppg		*	*				E	Y		
SODIUM FORMATE SUPER INSULGEL	Sodium formate brines to 11.0 ppg Insulating packer fluid for deepwater		*	*			As needed	E	Y	Y	
BOYSENBLUE/CELTEC INTERNATIONAL											
BLN NO FOAM	Defoamer	*	*	*	*						
SUPERSLIDE	Glass beads 'M' & 'F'	*	*	*	*		10			Y	
MEGASLIDE	Glass beads 'C'	*	*	*	*		10			Y	
CABOT SPECIALTY FLUIDS											
CESIUM ACETATE	Density to 2.2 sg (18.3 ppg)		*	*	*						N
CESIUM FORMATE	Density to 2.3 sg (19.2 ppg)		*	*	*			E	Y		N
MIXED FORMATES	Densities from 1.0 sg to 2.3 sg		*	*	*			E	Y		N
POTASSIUM FORMATE	Density to 1.57 sg (13 ppg)		*	*	*			E	Y		N
SODIUM FORMATE	Density to 1.3 sg (10.8 ppg)		*	*	*			E	Y		Y
CHEMSTAR											
EXSTAR	Modified corn starch temp.	*	*	*	*		2-6				Y
HYDROSTAR	Pregel starch for temp. and hardness	*	*	*	*						Y
STARPAK	Highly derivatized starch ether	*	*	*	*		2-5			Y	
STARPAK DP	Multi-derivatized starch ether	*	*	*	*		2-5			Y	
STARPAK II	A complex variation of STARPAK	*	*	*	*		2-5			Y	
COGNIS											
TERRADRIL S 853 B	Surfactant blend, cleaner				*	*	6				
TERRADRIL S 809	Surfactant blend, cleaner				*	*	6				
TERRADRIL S 718	Surfactant blend, cleaner				*	*	6				
TERRADRIL S 1125	Surfactant blend, cleaner				*	*	6				
TERRADRIL S 1118	Surfactant blend, cleaner				*	*	6				
TERRADRIL S 1053	Surfactant blend, cleaner				*	*	6				
COMPLETION FLUIDS INTERNATIONAL											
DIRT MAGNET	Primary well displacement fluid	*	*	*	*	*					
ECO FLOC	Completion fluid flocculant	*	*	*	*	*					Y
GRAVEKLEAN	Pipe dope and oil mud remover	*	*	*	*	*					
VISTABLE	Liquid HEC	*	*	*	*	*					
DEEP SOUTH CHEMICAL											
BIO SOLV	Non-terpene OBM and SBM displacement		*	*	*	*					
DSC VIS	Non-ionic pure hydroxyethyl cellulose		*	*	*	*	0.5-3				
GOLD CLEAN	Surface cleaner		*	*	*	*					
GOLD FLUSH	Tubing cleaner & pipe pickle		*	*	*	*					
GOLD FLUSH CM	Cement additive & cake removal		*	*	*	*					
GOLD FLUSH II	OBM & SBM displacement chemical		*	*	*	*					
GOLD FLUSH SA	Stimulation additive & cake removal		*	*	*	*					
GOLD FLUSH SB	OBM & SBM displacement chemical		*	*	*	*					
GOLD VIS	Polymer viscosifier for Gold Flush		*	*	*	*					
HYDRO MAG	pH buffer fresh & brine waters		*	*	*	*	0.1-0.3				
INSOL	Aphaltene inhibitor & dispersant		*	*	*	*	As needed				
LIQUID GUAR E	Liquid viscosifiers using unmodified guar		*	*	*	*	0.04			Y	
LIQUID VIS	Hydroxyethyl cellulose polymer		*	*	*	*	0.5-3				
LIQUID VIS E	Hydroxyethyl cellulose polymer		*	*	*	*	0.5-3			Y	
PH HIGH	Elevate pH fresh & brine water		*	*	*	*	0.1				
PH LOW	Solution to lower pH fresh/brines		*	*	*	*	0.5 gpb				
QUICK VIS	Enhances thermal stability of HEC		*	*	*	*	0.3-0.4 gal/bbl				
EXTENDER 75			*	*	*	*					
SI 120	Prevents depositions of alkaline earth metal scales		*	*	*	*	As needed				
SLICK 5	Surfactants to disperse floating oil		*	*	*	*					
SODA ASH	Remove calcium from sodium base brines		*	*	*	*	As needed				
WELL WASH I	Water-base displacement chemical	*	*	*	*	*					
WELL WASH II	Water-base displacement chemical	*	*	*	*	*					
DRILLING SPECIALTIES COMPANY											
CLARIZAN BIOPOLYMER	High viscosity clarified biopolymer	*	*	*	*	*	0.25-2.0	E	Y	Y	
DRILLZAN D BIOPOLYMER	Economical high viscosity biopolymer	*	*	*	*	*	0.25-2.0		Y	Y	
DRISPAC PLUS REGULAR	Dispersible HV polyanionic cellulose	*	*	*	*	*	0.25-2.5		Y	Y	
DRISPAC PLUS SUPERLO	Dispersible LV polyanionic cellulose	*	*	*	*	*	0.25-2.5		Y	Y	
DRISPAC REGULAR POLYMER	High viscosity polyanionic cellulose	*	*	*	*	*	0.25-2.5		Y	Y	
DRISPAC SUPERLO POLYMER	Low viscosity polyanionic cellulose	*	*	*	*	*	0.25-2.5		Y	Y	
FLOWZAN BIOPOLYMER	High viscosity biopolymer	*	*	*	*	*	0.25-2.0		Y	Y	
GREEN BASE GUAR CM-36 ADDITIVE	Continuous mix liquid guar	*	*	*	*	*	2.0-5.0		Y	Y	
GREENBASE LIQUID DRISPAC POLYMER	High viscosity polyanionic cellulose	*	*	*	*	*	0.5-4.0		Y	Y	
GREENBASE LIQUID FLOWZAN BIOPOLYMER	High viscosity biopolymer	*	*	*	*	*	0.5-4.0		Y	Y	

Product name	Description	Dispersed	Nondispersed	Saturated salt	Fresh water	Oil-based	Synthetic fluid	Normal concentration usage (lb/bbl)	HOCNF classification	Prior listing available	Passed LC50 test
GREENBASE LIQUID HEC POLYMER	High viscosity pure hydroxyethyl cellulose polymer	*	*	*	*	*		0.5-5.0		Y	Y
GREENBASE LIQUID HE-150 POLYMER	Friction reducer for coil tubing	*	*	*	*	*		0.06-0.3		Y	Y
HE - 150 POLYMER LIQUID HE-150	Friction reducer for coil tubing	*	*	*	*	*		0.02-0.1		Y	Y
LIQUID HE-150 POLYMER	Friction reducer for coil tubing	*	*	*	*	*		0.06-0.3			
GUAR LIQUID CM ADDITIVE	Continuous mix liquid guar	*	*	*	*	*		2.0-5.0			Y
HE 100 EMULSION POLYMER	Divalent brine viscosifier	*	*	*	*	*		3.0-15.0		Y	Y
HE 100 POLYMER	Divalent brine viscosifier	*	*	*	*	*		1.0-5.0		Y	Y
HE 300 POLYMER	High temp. brine viscosifier	*	*	*	*	*		2.0-5.0	E	Y	Y
HE 400 POLYMER	High temp. brine viscosifier	*	*	*	*	*		2.0-5.0		Y	Y
LIQUID DRISPAC POLYMER	High viscosity polyanionic cellulose	*	*	*	*	*		0.5-4.0			
LIQUID FLOWZAN BIOPOLYMER	High viscosity biopolymer	*	*	*	*	*		0.5-4.0			
LIQUID HEC POLYMER	High viscosity pure hydroxyethyl cellulose polymer	*	*	*	*	*		0.5-5.0			
ECOFLOUIDS											
ECOFLOUID	Well wash	*	*	*	*	*		1:5 w/ water			Y
IMPACT FLUID SOLUTIONS											
DWC2000	Shear-thinning, non-damaging viscosifier	*	*	*	*	*		4.0-7.0		Y	Y
FLC2000	Low-invasion, non-damaging fluid loss additive	*	*	*	*	*		3.0-8.0	Y	Y	Y
KELCO OIL FIELD GROUP											
CELPOL ESL	Poly anionic cellulose extreme low viscosity	*	*	*	*	*		0.25-2		Y	Y
CELPOL R	Poly anionic cellulose HV	*	*	*	*	*		0.25-2		Y	Y
CELPOL RX	Supreme poly anionic cellulose HV	*	*	*	*	*		0.25-2		Y	Y
CELPOL SL	Poly anionic cellulose LV	*	*	*	*	*		0.25-2		Y	Y
CELPOL SLX	Supreme poly anionic cellulose LV	*	*	*	*	*		0.25-2		Y	Y
FINNFX H	CMC high viscosity pure	*	*	*	*	*		0.2-3		Y	Y
FINNFX HC	CMC extra high viscosity technical	*	*	*	*	*		1-3		Y	Y
FINNFX L	CMC low viscosity pure	*	*	*	*	*		0.2-3		Y	Y
FINNFX LC	CMC low viscosity technical	*	*	*	*	*		2-3		Y	Y
FINNFX RC	CMC high viscosity technical	*	*	*	*	*		1-3		Y	Y
KELZAN XC POLYMER	Xanthan gum biopolymer	*	*	*	*	*		0.75/2		Y	Y
KELZAN XCD POLYMER	Dispersible Xanthan biopolymer	*	*	*	*	*		0.75/2		Y	Y
XANVIS POLYMER	Clarified Xanthan biopolymer	*	*	*	*	*		0.75/2		Y	Y
XANVIS L	Refined clarified liquid Xanthan slurry	*	*	*	*	*		0.75/2		Y	Y
KEM-TRON TECHNOLOGIES											
KEM-VIS	Polycrylamide, Emulsion	*	*	*	*	*		0.25-2			
LAMBERTI SPA											
ALBISOL CF	Wellbore cleaner environmental friendly	*	*	*	*	*		2-10%			Y
ALBISOL DM	Effective washer/spacer	*	*	*	*	*		2-10%			
ALBISOL OE	Solvent based pipe cleaner	*	*	*	*	*		2-10%			
BIOLAM XG	Xanthan gum	*	*	*	*	*		0.25-2			Y
CARBOSAN EF	Triazine based biocide	*	*	*	*	*		0.01-2			
CARBOSAN 135/TR	Triazine based biocide	*	*	*	*	*		0.01-2			
CARBOSAN 235/OX	Biocide	*	*	*	*	*		0.01-2			
INICOR B/N	Corrosion inhibitor for clear fluids	*	*	*	*	*		1-4			
INICOR W481	Corrosion inhibitor for brine	*	*	*	*	*		0.01-0.3			
LAMOX SC	Oxygen scavenger	*	*	*	*	*		0.01-1			
LAMOX TR	Organic H2S scavenger	*	*	*	*	*		1.1-2			
LUBRICANT BR	Brine lubricant	*	*	*	*	*		0.5-5			
POLYFLOS HM21	Non damaging fluid loss reducer	*	*	*	*	*		2-10			Y
POLYFLOS HM22	Non damaging viscosifier	*	*	*	*	*		1-3			Y
LAMBERTI USA											
POLYFLOS G7F	Liquid Guar	*	*	*	*	*		0.5-4			
LIQUID CASING											
LIQUID CASING	Polycrystalline	*	*	*	*	*		8			Y
LIQUID CASING II	Polycrystalline	*	*	*	*	*		6			Y
O-M SEAL	Polycrystalline	*	*	*	*	*		50			Y
WORKOVER 2000	Non-damaging polymers	*	*	*	*	*		2			Y
M-I SWACO											
BUBBLE BUSTER	Low-toxicity defoamer	*	*	*	*	*		0.05-0.2	N	N	
DOWFROST MI	Insulating packer fluid for deepwater	*	*	*	*	*		As needed			
DUO-VIS	Shear thinning viscosifier	*	*	*	*	*		1-4		Y	Y
DUO-VIS L	Liquid Shear thinning viscosifier	*	*	*	*	*		1-5		Y	Y
FILTER FLOC	Flocculant	*	*	*	*	*		0.01-2%	N	N	
FLO-VIS PLUS	Shear thinning viscosifier	*	*	*	*	*		1-3		Y	Y
FLO-VIS NT	Shear thinning viscosifier	*	*	*	*	*		1-3		Y	Y
FLO-VIS L	Liquid Shear thinning viscosifier	*	*	*	*	*		5-1.5		Y	Y
ISOTHERM	Non-aqueous insulating packer fluid	*	*	*	*	*					
SAFE-BREAK 611	Non-emulsifier	*	*	*	*	*		0.1-2%	N	N	
SAFE-BREAK CBF	Emulsion preventer for brine	*	*	*	*	*		0.1-0.5	N	N	
SAFE-BREAK L	Breaker for brine viscosifiers	*	*	*	*	*		1-4	N	N	
SAFE-BREAK S	Breaker for brine viscosifiers	*	*	*	*	*		0.002-0.01	N	N	
SAFE-BREAK ZINC	Emulsion preventer for zinc bromide brine	*	*	*	*	*		0.1-0.5	N	N	
SAFE-CARB	Ground marble	*	*	*	*	*		10-50	Y	N	
SAFE-COR											

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SAFE-FLOC II	Flocculant	*	*	*	*	*		0.01-2%	N	N	
SAFE-LINK 110	Cross link polymer LCM non zinc	*	*	*	*	*		32pails/10bbl	N	N	
SAFE-LINK 140	Cross link polymer LCM zinc	*	*	*	*	*		32pails/10bbl	N	N	
SAFE-LUBE	Water-soluble brine lubricant	*	*	*	*	*		0.6vol%	N	N	
SAFE-PEEL	Releasing agent	*	*	*	*	*		8-12%	Y	N	
SAFE-SCAV CA	Organic oxygen scavenger for Ca-based brines	*	*	*	*	*		0.15	N	N	
SAFE-SCAV HS	Organic scavenger	*	*	*	*	*		0.1	N	N	
SAFE-SCAV HSW	Organic scavenger containing methanol	*	*	*	*	*		0.1	N	N	
SAFE-SCAV NA	Liquid bisulfate-base oxygen scavenger for Na and K brines	*	*	*	*	*		0.1	N	N	
SAFE-SCAVITE II	Calcium scale preventer	*	*	*	*	*		0.15-3	N	N	
SAFE-SURF E	Nonionic wellbore cleaning agent for OBM	*	*	*	*	*		2-15%			
SAFE-SURF NS	Non-ionic surfactant blend	*	*	*	*	*		2-10%			
SAFE-SURF O	Displacement wash chemical for O/SBM	*	*	*	*	*		2-20%	N	N	
SAFE-SURF W	Displacement wash chemical for WBM	*	*	*	*	*		2-10%	N	N	
SAFE-SURF WE	Non-ionic surfactant blend	*	*	*	*	*		2-10%			
SAFE-SURF WN	Displacement wash chemical for WBM	*	*	*	*	*		2-10%			
SAFE-T-PICKLE	Pipe pickle solvent	*	*	*	*	*		100%	N	N	
SAFE-VIS	Viscosifier for brine	*	*	*	*	*		0.5-4	Y	N	
SAFE-VIS E	Liquid viscosifier for brines	*	*	*	*	*		5-10	Y	N	
SAFE-VIS HDE	Liquid viscosifier for high-density brines	*	*	*	*	*		14-29	N	N	
SAFE-VIS LE	Liquid viscosifier for brines	*	*	*	*	*		0.6-1.2 gpb	N	N	
SAFE-VIS OGS	Specially formulated liquid HEC	*	*	*	*	*		0.6-1.2 gpb			
SAFETHERM	Insulating packer fluid for deepwater	*	*	*	*	*		As needed			
SEAL-N-PEAL	Inside packer fluid loss control	*	*	*	*	*					
SI-1000	Blended scale inhibitor	*	*	*	*	*		0.05	N	N	Y
SV-120	Hydrogen sulfide scavenger for cold climates	*	*	*	*	*		1-5	N	N	
MONTELLO											
MON PAC	Polyanionic cellulose	*	*	*	*	*		0.25-2			Y
MON PAC ULTRA LO	Polyanionic cellulose	*	*	*	*	*		0.25-2			Y
NEWPARK DRILLING FLUIDS											
NEW ARMOR	Organic	*	*	*	*	*					
NORBAR MINERALS AS											
ECOFORM PF75	Potassium formate brine	*	*	*	*	*			Y	Y	Y
ECOFORM PF97	Potassium formate powder	*	*	*	*	*			Y	Y	Y
ECOFORM SF98	Sodium formate powder	*	*	*	*	*			Y	Y	Y
OLEON N.V.											
RADIAGREEN CLO	Stimulation additive & mud cake breaker	*	*	*	*	*		As needed			
RADIAGREEN CLW	Cased hole cleaner	*	*	*	*	*		As needed			
RADIAGREEN CLY	Lubricant for heavy brines	*	*	*	*	*		0.5 - 3%	Y	N	Y
EME SALT		*	*	*	*	*					
RADIAGREEN RA	Reservoir enhancer	*	*	*	*	*		0.5 - 1%	Y	N	
PRIME ECO GROUP INC.											
DTS-2002	Polyalcohol no cloud point	*	*	*	*	*		3%-10%		Y	Y
SKL-100	Environmental substitute for KCL	*	*	*	*	*		1-4			Y
PROGRESS CHEMICAL SALES											
CALCIUM CHLORIDE	Salt	*	*	*	*	*		As needed			
PRO-CARB	Calcium carbonate	*	*	*	*	*		As needed			
PRO-DEFOAM-A	Alcohol defoamer	*	*	*	*	*		25-100			
PRO-INHIB	Filming amine corrosion inhibitor	*	*	*	*	*		30/100			
QUARON N.V.											
DPI CBS	Calc, barium, strontium sulphate dissolver	*	*	*	*	*					
MC CE-FORMATE	Cesium Formate	*	*	*	*	*					
MC FVIS	Solids free fluidloss additive/viscosifier	*	*	*	*	*		3-6			
MC HEC	Hydroxy ethyl cellulose polymer	*	*	*	*	*		1-3			
MC K-FORMATE	Potassium Formate	*	*	*	*	*					
MC ZAN XL	Liquid Xanthan gum polymer	*	*	*	*	*					
MC ZAN XN	Shear thinning viscosifier	*	*	*	*	*		0.25-2			
MC ZAN XT	Shear thinning viscosifier temp.stable	*	*	*	*	*		0.25-2			
SETAC											
SETA-VIS	Modified HT/HP gum	*	*	*	*	*		0.5-3			
SPECIAL PRODUCTS											
PRODUCT 239	Clay inhibitor	*	*	*	*	*		1-2			Y
PRODUCT 2003	Packer fluid	*	*	*	*	*		1-4			
PRODUCT 2008	Highly soluble oxygen scavenger	*	*	*	*	*		1-4			
PRODUCT 2063	Packer fluid	*	*	*	*	*		1-4			
PRODUCT 2077	Unique corrosion inhibitor oxygen scavenger	*	*	*	*	*		1-4			
PRODUCT 6166	Clay Inhibitor	*	*	*	*	*		1-2			
PRODUCT 7012	Defoamer	*	*	*	*	*		1-2			
PRODUCT 7014	Defoamer (formulated alcohol)	*	*	*	*	*		1-2			
SP-40X	Acid corrosion inhibitor	*	*	*	*	*		1-4			
SUN DRILLING PRODUCTS											
EZE-SLIDE	Lubricant	*	*	*	*	*		1-2%	Y		
LIQUI-BEADS	Liquid mechanical lubricant	*	*	*	*	*		1-2%	Y		
LUBRA-GLIDE	Mechanical solid lubricant	*	*	*	*	*		4 lb/bbl	Y		
TBC-BRINADD											
CIB	Corrosion inhibitor	*	*	*	*	*		0.25 gal/bbl			
DPI CBS	Calc, barium, strontium sulphate dissolver	*	*	*	*	*					
TETRA TECHNOLOGIES, INC.											
ACETIC ACID	Mild organic acid	*	*	*	*	*					
BUFF-10	Controlled slouability MgO - buffer pH	*	*	*	*	*					
BUFF-6	Organic carboxylic acid - to buffer pH to moderate acid	*	*	*	*	*					
CALCIUM BROMIDE	Calcium bromide	*	*	*	*	*		11.7-15.1			
CALCIUM CHLORIDE	Calcium chloride	*	*	*	*	*		8.6-11.6			
CAUSTIC SODA	Base	*	*	*	*	*					
CITIC ACID	Complex organic acid	*	*	*	*	*					
HCOOK	Potassium formate, 97%	*	*	*	*	*					
HCOONA	Sodium formate, 97%	*	*	*	*	*					

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HYDROCHLORIC ACID	Strong mineral acid	*	*	*	*	*					
KCl	Potassium chloride, 99%	*	*	*	*	*					
LIME	Base	*	*	*	*	*					
MAGNESIUM OXIDE	Base	*	*	*	*	*					
NaCl	Drillers' salt	*	*	*	*	*					
NaCl	Sodium chloride evaporated salt	*	*	*	*	*					
NH4Cl	Ammonium chloride, 99%	*	*	*	*	*					
POTASSIUM FORMATE	Potassium formate	*	*	*	*	*		8.4-13.1			
POTASSIUM HYDROXIDE	Base	*	*	*	*	*					
SODA ASH	High purity anhydrous sodium carbonate	*	*	*	*	*					
SODIUM BROMIDE	Sodium bromide	*	*	*	*	*		10-12.7			
SODIUM FORMATE	Sodium formate	*	*	*	*	*		8.4-11			
ZNB2/CABR2 19.2 SOLUTIONS	Zinc bromide and calcium bromide solutions	*	*	*	*	*		14.5-19.2			
ZNB2/CABR2 20.5 SOLUTIONS	Zinc bromide and calcium bromide solutions	*	*	*	*	*		14.5-20.5			
TURBO-CHEM INTERNATIONAL											
EZ SQUEEZE	High solids, high fluid loss squeeze	*	*	*	*	*		32-100 ppb			Y
PREMIUM SEAL	Cellulose fiber (fine & coarse)	*	*	*	*	*		4-6			Y
SWELLCM	Gell, swelling, sealing agent	*	*	*	*	*		10 ppb			Y
SWELLCM ACTIVATOR	Crystals used to adjust pH of water when mixing SwelLCM	*	*	*	*	*		2 ppb			Y
WEATHERFORD INTERNATIONAL LTD.											
ALPHA 6177	Primary well dispersing fluid, low tox	*	*	*	*	*					
CLEAR FORM K	Potassium formate completion and drilling fluid base	*	*	*	*	*					N
WELL-FLUO TECHNOLOGIES											
CUTCLEAN	Surface cleaner	*	*	*	*	*					
DIRT MAGNET	Alcohol/surfactant blend	*	*	*	*	*					
DIRT MAGNET "E"	Solvent/surfactant blend	*	*	*	*	*					E
HDC	Complex barium/carbonate dissolver	*	*	*	*	*					D
HOG WASH	Solvent/surfactant blend	*	*	*	*	*					
K+ FERROUT	Iron sulfide/amorphous iron dissolver	*	*	*	*	*					E
KOPLUS LO	Well wash/spotting fluid	*	*	*	*	*					E
LIQUID SCRAPER	Complex acid/solvent blend	*	*	*	*	*					E
POWERWASH	Surface cleaner	*	*	*	*	*					
RINSE AID	Complex surfactant blend	*	*	*	*	*					
RINSE AID "E"	Complex surfactant blend	*	*	*	*	*					E
SUPER PICKLE	Blend of solvents	*	*	*	*	*					C
SUPER PICKLE TF180	Complex solvent blend	*	*	*	*	*					D
SUPER PICKLE XLE	Complex solvent blend	*	*	*	*	*					E
CORROSION INHIBITORS											
AMBAR											
AMCOR	Filming amine	*	*	*	*	*		30/100			Y
AMCOR HT	Inorganic liquid stable @ 450j	*	*	*	*	*		55/100			Y
AMOXBAN	Oxygen scavenger +B566	*	*	*	*	*		0.02			Y
BAKER HUGHES DRILLING FLUIDS											
BRINE-PAC	Corrosion inhibitor	*	*	*	*	*					
BRINE-PAC 1500	Corrosion Inhibitor for solids-free fluids	*	*	*	*	*		5-10gal/100			
BRINE-PAC 3N1	3 in 1 corrosion inhibitor	*	*	*	*	*		5-10gal/100bbl			
BRINE-PAC XT	Corrosion Inhibitor	*	*	*	*	*		0.8-1 gal/100			
KD-40	Water soluble corrosion inhibitor	*	*	*	*	*		3-5 gal/100 lbs			
MIL-GARD	H2S extractor (basic zinc carbonate)	*	*	*	*	*		1-3			
MIL-GARD L	Zinc chelated sulfide scavenger	*	*	*	*	*		55 gal/1000 bbl			
NOXYGEN L	Liquid oxygen scavenger	*	*	*	*	*		75 to 125 ppm			
NOXYGEN XT	Organic oxygen scavenger	*	*	*	*	*		15 lb/100 bbl			
BAROID FLUID SERVICES											
BARABRINE SI	Scale inhibitor for clear brines	*	*	*	*	*		.025-.05			
BARACOR 95	Corrosion inhibitor and CO2 remover	*	*	*	*	*		0.25-2.0	Y		Y
BARACOR 100	Film-forming corrosion inhibitor	*	*	*	*	*		0.01	Y		Y
BARACOR 450	HT corr. inhibitor for >2% zinc brines	*	*	*	*	*		0.2-0.4%	Y		Y
BARACOR 700	Corrosion inhibitor for monovalent brines	*	*	*	*	*		0.5-1.5			Y
BARACOR 700E	Corrosion inhibitor for monovalent brines	*	*	*	*	*		0.5-2.0	Y		Y
BARAFILM	Corrosion inhibitor / filming amine	*	*	*	*	*		1.6 W/O			Y
BARASCAV-D	Powdered oxygen scavenger	*	*	*	*	*		0.1-0.5	Y		Y
BARASCAV-L	Liquid oxygen scavenger	*	*	*	*	*		0.1-0.5	Y		Y
NO-SULF	Zinc compound / H2S scavenger	*	*	*	*	*		1.0-4.0			Y
OXYGON	Oxygen scavenger	*	*	*	*	*		0.1			Y
SOURSCAV	Hydrogen sulfide scavenger	*	*	*	*	*		1-4	Y		
BASF											
BASOCORR PA	Corrosion inhibitor, liquid	*	*	*	*	*		0.1-1			
BASOCORR PM	Corrosion inhibitor, liquid, non-toxic	*	*	*	*	*		0.1-1			
BASOCORR PP	Corrosion inhibitor, liquid, non-toxic	*	*	*	*	*		0.1-1			
BJ SERVICES											
C-250	Amine-based inhibitor for all brines	*	*	*	*	*		1 gal/75 bbl	E	Y	Y
DEEPCOM™	Fluid system for CRA applications	*	*	*	*	*		As needed	E	Y	Y
GYPTRON T-314	Zinc sulfide scale inhibitor	*	*	*	*	*		As needed			Y
HTI-2001	High temperature corrosion inhibitor	*	*	*	*	*		As needed	E	Y	Y
OS-8	Organic oxygen scavenger	*	*	*	*	*		0.15 gal/bbl	E	Y	Y
SS-10	Sulphur scavenger	*	*	*	*	*		1 gal/50 bbl			
CESCO CHEMICAL											
PACKER MATE	Packer fluid corrosion inhibitor	*	*	*	*	*		0.37-0.55			

Product name	Description	Dispersed	Non-dispersed	Saturated salt	Fresh water	Oil-based	Synthetic fluid	Normal concentration usage (lb/bbl)	HOCNF classification	Prior listing available	Passed LC50 test
CRODA											
MONACOR BE	Non-foaming water soluble corrosion inhibitor		*	*	*			0.05-1.0%			
MONACOR TEH	Oil soluble corrosion inhibitor		*	*	*			0.05-1.0%			
MONALUBE 215	Oil soluble corrosion inhibitor		*	*	*			0.05-1.0%			
ATHPOS 3226	Oil soluble corrosion inhibitor		*	*	*			0.05-1.0%			
MONAZOLINE O	Oil soluble corrosion inhibitor		*	*	*			0.05-1.0%			
MONAZOLINE T	Oil soluble corrosion inhibitor		*	*	*			0.05-1.0%			
PRIPOL 1017	Dimer fatty acid		*	*	*			0.05-1.0%			
PRIPOL 1029	Dimer fatty acid		*	*	*			0.05-1.0%			
PRIPOL 1040	Trimer fatty acid		*	*	*			0.05-1.0%			
PRIPOL 1045	Dimer/Trimer fatty acid		*	*	*			0.05-1.0%			
DEEP SOUTH CHEMICAL											
BIO3	Filming Amine and Oxygen Scavenger	*	*	*	*			0.5-1%			
DSC CORROSION INHIBITOR	Filming Amine	*	*	*	*			0.5-1%			
DRILLSAFE JANEL											
DS-403	Water soluble, filming corrosion inhibitor	*	*	*	*			0.02-0.05			
DS-501E	Bactericide and filming corrosion inhibitor	*	*	*	*			0.01-0.02			
DS-AC3	Acid corrosion inhibitor	*	*	*	*			0.01-0.02			
OSC 1	Oxygen scavenger	*	*	*	*			0.01-0.1			
OSC 40	Liquid catalyzed oxygen scavenger	*	*	*	*			0.01-0.05			
GUMPRO CHEMICALS											
GEL CI	Mud corrosion inhibitor	*	*	*	*			1-2			Y
HORIZON PRODUCTS											
GEO-MEG	Methyl glucoside	*	*	*	*			2-3%			Y
LAMBERTI SPA											
ANTISCALE AC/1	Organic phosphonate scale inhibitor	*	*	*	*			10-1000 ppm			
ANTISCALE AC/137	Mixed scale inhibitor	*	*	*	*			10-1000 ppm			
ANTISCALE AC/58	Synthetic polyionic scale inhibitor	*	*	*	*			10-1000 ppm			
INICOR B/N	Water soluble corrosion inhibitor	*	*	*	*			1-4			
INICOR MF/27	Oil soluble corrosion inhibitor	*	*	*	*			0.01-0.03			
INICOR R200	Oil soluble corrosion inhibitor	*	*	*	*			0.01-0.3			
INICOR W380	Corr. inhibitor/biocide, water soluble	*	*	*	*			0.01-0.3			
INICOR W481	Environmental friendly corr. inhibitor, water soluble	*	*	*	*			0.01-0.3			Y
INICOR W735	Environmental friendly corr. inhibitor, water soluble	*	*	*	*			0.01-0.3			Y
LAMOX SC	Oxygen scavenger	*	*	*	*			0.01-1			
LAMOX TR	Organic H2S scavenger	*	*	*	*			0.1-0.2			
LAMBERTI USA											
INICOR W	Concentrated water soluble	*	*	*	*			0.1-0.3			
INICOR W303	Water soluble corrosion inhibitor	*	*	*	*			0.1-0.3			
MAYCO WELLCHEM											
CIDE-COR	Packer/completion inhibitor/biocide	*	*	*	*			0.15			
CIDE-COR-PLUS	Biodegradable inhibitor/biocide for packer fluids/completion	*	*	*	*			0.15			
FERRO-SPONGE	Powdered H2S remover	*	*	*	*			20			Y
H2 LESS	Liquid H2S remover	*	*	*	*			0.3			Y
IRONITE SPONGE	Powdered H2S remover	*	*	*	*			20			Y
MAYCO CORCIDE	Bactericide, corrosion inhibitor	*	*	*	*			0.2-0.5			
MAYCO PH BUFFER	Corrosion inhibitor	*	*	*	*			1-2			
MESUCO-SORB	H2S remover	*	*	*	*			4			Y
OIL-AD-CI	Corrosion inhibitor (numerous formulations)	*	*	*	*			As needed			
SORB-OX-L	Oxygen scavenger	*	*	*	*			0.5			Y
SORB-OX-P	Oxygen scavenger	*	*	*	*			0.2			Y
M-I SWACO											
CONQOR 101	Water-dispersible amine for packers	*	*	*	*			4	N	N	
CONQOR 202B	Film-forming amine for drillstring application	*	*	*	*			5-15gal slugs	N	N	
CONQOR 303A	Brine-soluble amine for W/O/C fluids	*	*	*	*			1-4	Y	N	Y
CONQOR 404	Organic inhibitor for all WBM	*	*	*	*			0.2-0.5	Y	N	
OS-1L	Sulfite-base oxygen scavenger	*	*	*	*			0.1-0.5	Y	Y	
SAFE-COR	Amine-base corrosion inhibitor	*	*	*	*			0.5-1.0%	Y	N	
SAFE-COR 220X	Brine-soluble amine for W/O/C fluids	*	*	*	*			0.5-1.0%	N	N	
SAFE-COR C	Amine-base corrosion inhibitor	*	*	*	*			0.25-0.5%	N	N	
SAFE-COR E	Amine-base corrosion inhibitor	*	*	*	*			0.05-1.0%	N	N	
SAFE-COR HT	Inorganic thiocyanate-base corrosion inhibitor for high-temperature use	*	*	*	*			0.04%	N	N	
SAFE-SCAV CA	Organic oxygen scavenger for Ca-base brines	*	*	*	*			0.15	N	N	
SAFE-SCAV HS	Organic H2S scavenger	*	*	*	*			0.1	N	N	
SAFE-SCAV HSW	Organic H2S scavenger w/ methanol	*	*	*	*			0.1	N	N	
SAFE-SCAV NA	Liquid bisulfate-base oxygen scavenger for Na and K brines	*	*	*	*			0.1	N	N	
SAFE-SCAVITE II	Calcium scale preventer	*	*	*	*			0.15-3	N	N	
SI-1000	Blended scale inhibitor	*	*	*	*			0.05	N	N	Y
SV-120	Cold climate H2S scavenger	*	*	*	*			1-5	N	N	
NEWARK DRILLING FLUIDS											
NEWARMOR	Film-forming amine	*	*	*	*			5-15 gal/100bbl			
PRIME ECO GROUP INC.											
QUICK SLIP	Clay Inhibitor, lubricant, pay zone protector	*	*	*	*			4-6 ppb			Y
PROGRESS CHEMICAL SALES											
PRO-INHIB	Corrosion inhibitor	*	*	*	*			30-100			
SPECIAL PRODUCTS											
PRODUCT 2003	Packer fluid inhibitor concentrate	*	*	*	*			1-4			
PRODUCT 2008	Highly soluble oxygen scavenger	*	*	*	*			1-4			
PRODUCT 2078	Atmospheric drill pipe corrosion inhibitor	*	*	*	*			1-4			
PRODUCT 2055	Packer fluid inhibitor	*	*	*	*			1-4			
PRODUCT 2077	Corrosion inhibitor for systems w/oxygen	*	*	*	*			1-4			
SP-40X	Acid corrosion inhibitor	*	*	*	*			1-4			

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TBC-BRINADD											
CIB	Corrosion inhibitor	*	*	*	*			0.25 gal/bbl			
TETRA TECHNOLOGIES, INC.											
BIOCID	Antimicrobial	*	*	*	*						
CORSAF SF	Corrosion Inhibitor	*	*	*	*						
OXBAN	Oxygen scavenger	*	*	*	*						
OXBAN HB	Oxygen scavenger for mid to heavy fluids	*	*	*	*						
PAYZONE SI-139	Phosphonate scale inhibitor	*	*	*	*						
TETRA H2S SCAVENGER	H2S Scavenger	*	*	*	*			0.1-8			
TETRAHIB	Multicomponent inorganic film former	*	*	*	*						
TETRAHIB PLUS	Inorganic	*	*	*	*						
WEATHERFORD INTERNATIONAL LTD.											
ALPHA 1064	High solids tolerant oxygen scavenger	*	*	*	*			0.01-0.05			
ALPHA 1214	Corrosion inhibitor for brines	*	*	*	*			0.01-0.05			
ALPHA 2068	High temperature corrosion inhibitor	*	*	*	*			0.25-2			
ALPHA 2275	Oxygen corrosion inhibitor low tox..	*	*	*	*			0.02-0.05			
ALPHA 2296	Oxygen corrosion inhibitor low tox..	*	*	*	*			0.02-0.05			
ALPHA 2867	High solids scale inhibitor	*	*	*	*			25-1000 ppm			
ALPHA 3069	Packer fluid inhibitor	*	*	*	*			0.25-2			
ALPHA 3337	Drill pipe batch corrosion inhibitor	*	*	*	*						
ALPHA 3412	Down hole or drill pipe corrosion inhibitor	*	*	*	*						
ALPHA 3444	Down hole or drill pipe corrosion inhibitor	*	*	*	*						
ALPHA 6415	Drill pipe corrosion inhibitor	*	*	*	*			0.01-0.05			
SULFACLEAR 8199	H2S scavenger	*	*	*	*			0.5-1.5			
SULFACLEAR 8411C	H2S scavenger	*	*	*	*			0.01-1.5			
SULFACLEAR 8649	H2S scavenger	*	*	*	*			0.01-1.5			
DEFOAMERS											
AMBAR											
ALUMINUM STEARATE	Surface acting agent	*	*	*	*			0.05			Y
AMDEFOAM	Water base mud defoamer	*	*	*	*			0.25			Y
BAKER HUGHES DRILLING FLUIDS											
LD-8	Nonhydrocarbon-based defoamer for water-based fluids	*	*	*	*			As needed			Y
LD-9	Polyether polyol	*	*	*	*			As needed			
LD-S	Silicone defoamer	*	*	*	*			As needed			
W.O. DEFOAM	Alcohol-based compound for defoaming water-based fluids	*	*	*	*			0.1 gal/bbl			Y
BAROID FLUID SERVICES											
BARA-DEFOAM 1	Alcohol and fatty acid blend	*	*	*	*			0.05-0.2			Y
BARA-DEFOAM HP	Polypropylene glycol	*	*	*	*			0.05-0.3			Y
BARA-DEFOAM W300	Alcohol and fatty acid blend	*	*	*	*			0.05-0.2			Y
BARABRINE DEFOAM	Non-ionic Brine defoamer	*	*	*	*			0.05-0.2			Y
FOAM-ZAPPER	Surfactant blend defoamer	*	*	*	*			0.05-0.2			
BASF		*	*	*	*						
BASOPUR DF 5	Liquid defoamer, salt tolerant, biodegradable	*	*	*	*			0.1-1			
BJ SERVICES											
DEFOAMER	Defoamer	*	*	*	*			0.025 gal/bbl			
BOYSENBLUE/CELTEC INTERNATIONAL											
BLN-NO FOAM	Defoamer	*	*	*	*						
CESCO CHEMICAL											
CESCO DEFOAM	Water-based defoamer	*	*	*	*			0.1			Y
COGNIS											
TERRADRIL DF 243	Defoamer	*	*	*	*			0.5-1.0			
TERRADRIL DF 331	Defoamer	*	*	*	*			0.5-1.0			
CRODA											
SYNPERONIC PE/L121	Water soluble defoamer	*	*	*	*			0.01-2.55%			
DRILLING SPECIALTIES COMPANY											
DSCO-DEFOAM	Synthetic defoamer	*	*	*	*			0.1-0.2			Y
DEEP SOUTH CHEMICAL											
SILICON DEFOAMER WD-24	Silicon based defoamer	*	*	*	*						
ALCOHOL DEFOAMER	Water soluble defoamer	*	*	*	*			As needed			
DRILLSAFE JANEL											
MULTI DF	Fresh and salt mud defoamer	*	*	*	*			0.02-0.2			
MULTI-DFS	Silicone defoamer	*	*	*	*			0.01-0.2			
MULTI-SODF	Silicone defoamer for oil-based fluids	*	*	*	*			0.01-0.2			
GUMPRO CHEMICALS											
GEL D FOAM	Liquid defoamer	*	*	*	*			0.5-1			Y
IMPACT FLUID SOLUTIONS											
KFA2000	Liquid defoamer	*	*	*	*						
KEM-TRON TECHNOLOGIES											
K-DEFOAM	Ethylhexanol	*	*	*	*						
LAMBERTI SPA											
DEFOMEX	General purpose silicone based defoamer	*	*	*	*			0.05-0.5			
DEFOMEX 42	Long chain hydroxy compound defoamer	*	*	*	*			0.05-0.5			
DEFOMEX 108N	Green defoamer	*	*	*	*			0.05-0.5			Y
DEFOMEX 610/L	High M.W. alcohol based defoamer	*	*	*	*			0.05-0.5			
DEFOMEX 620	Surfactant based defoamer	*	*	*	*			0.05-0.5			
LAMBERTI USA											
DEFOMEX EG110	Stearate based defoamer	*	*	*	*			0.05-0.5			
DEFOMEX SB	Silicon based defoamer	*	*	*	*			0.05-0.5			
DEFOMEX TA	General purpose defoamer	*	*	*	*			0.05-0.5			
MAYCO WELL											

Product name	Description	Dispersed	Nondispersed	Saturated salt	Fresh water	Oil-based	Synthetic fluid	Normal concentration usage (lb/bbl)	HOCNF classification	Ponor listing available	Passed LC50 test
M-I SWACO											
BUBBLE BUSTER	Low-toxicity blend	*	*	*	*		0.05-0.2		N	N	
DEFOAM-A	Alcohol-base defoamer	*	*	*	*		0.1-0.5		N	N	
DEFOAM-X	Liquid defoamer	*	*	*	*		0.1-0.5	Y	N	N	
DI-ANTI-FOAM	Antifoaming agent for the DIPRO system	*	*	*	*		0.3 gpb				
SAFE-DFOAM	Blended alcohol	*	*	*	*		0.08-0.16		N	N	
NEWPAK DRILLING FLUIDS											
NOFOAM A	Alcohol-based	*	*	*	*						
NOFOAM S	Silicon-based	*	*	*	*						
NOFOAM X	Concentrated	*	*	*	*						
PROGRESS CHEMICAL SALES											
PRO-DEFOAM A	Alcohol defoamer	*	*	*	*		0.25				
PRO-DEFOAM S	Silicone defoamer	*	*	*	*		2				
SETAC											
FOAM BREAKER	Water-Oil Emulsion	*	*	*	*		0.25				
SPECIAL PRODUCTS											
PRODUCT 7012	Silicone alcohol blend	*	*	*	*		1-2				
PRODUCT 7014	Low cost alcohol	*	*	*	*		1-2				
STRATA CONTROL SERVICES, INC.											
FOAM-BLAST	Liquid defoamer & anti-foaming agent	*	*	*	*		.02-.05 %			Y	
SUN DRILLING PRODUCTS											
FOAM BUSTER	Defoamer	*	*	*	*		.10 % v/v	Y	Y	Y	
TBC-BRINADD											
ANTI-FOAM HD	Defoaming agent	*	*	*	*		0.012 gal/bbl				
DEFOAM GREEN	Defoaming agent	*	*	*	*		0.012 gal/bbl				
DEFOAM 2	Defoaming agent	*	*	*	*		0.05 gal/bbl				
TETRA TECHNOLOGIES, INC.											
DEFOAM HB	Defoamer	*	*	*	*						
TURBO-CHEM INTERNATIONAL											
TURBO-DEFOAM	Defoamer	*	*	*	*					Y	
WEATHERFORD INTERNATIONAL LTD.											
ALPHA 2325 BADF	Organic defoamer	*	*	*	*		25-500 ppm				
DRILL-IN FLUID											
AMBAR											
CLEAN DRILL C	Drill-in fluid - calcium carbonate system	*	*	*	*						
CLEAN DRILL HD	Drill-in fluid (high density brines) - calcium carbonate system	*	*	*	*						
AQUALON											
AQUACEL R-110	Low viscosity Carboxymethyl cellulose	*	*	*	*		0.25-2		Y	Y	
AQUACEL R-190	High viscosity Carboxymethyl cellulose	*	*	*	*		0.25-2		Y	Y	
AQUAFLO LV	High viscosity Standard Poly-anionic cellulose	*	*	*	*		0.25-2		Y	Y	
AQUAFLO HV	Low viscosity Standard Poly-anionic cellulose	*	*	*	*		0.25-2		Y	Y	
AQUAPAC LIQUID	Environmental friendly anhydrous AquaPAC suspension	*	*	*	*		0.50-4	D	Y	Y	
AQUAPAC LV	Low viscosity Premium Poly-anionic cellulose	*	*	*	*		0.25-2		Y	Y	
AQUAPAC REGULAR	High viscosity Premium Poly-anionic cellulose	*	*	*	*		0.25-2		Y	Y	
AQUAPAC ULV	Ultra Low viscosity Premium Poly-anionic cellulose	*	*	*	*		0.25-2		Y	Y	
ECODURA	PILONOR rated aqueous HEC suspensions	*	*	*	*		1-10		Y	Y	
NATROSOL 150 GXR	Low viscosity Hydroxyethyl cellulose	*	*	*	*		0.25-2		Y	Y	
NATROSOL 180 GXR	Low viscosity Hydroxyethyl cellulose	*	*	*	*		0.25-2		Y	Y	
NATROSOL 210 HHX	Ultra High viscosity and Fast hydrating HEC	*	*	*	*		0.5-2.5		Y	Y	
NATROSOL 250 EXR	Low viscosity Hydroxyethyl cellulose	*	*	*	*		0.25-2		Y	Y	
NATROSOL 250 GXR	Low viscosity Hydroxyethyl cellulose	*	*	*	*		0.25-2		Y	Y	
NATROSOL 250 HHR-P	Ultra High viscosity HEC	*	*	*	*		0.5-2.5		Y	Y	
NATROSOL 250 LR	Ultra low viscosity Hydroxyethyl cellulose	*	*	*	*				Y	Y	
NATROSOL LIQUID	Environmental friendly anhydrous HEC suspension	*	*	*	*		1-5	D	Y	Y	
NATROSOL HI-VIS	Ultra High viscosity HEC	*	*	*	*		0.5-2.5		Y	Y	
SODIUM FORMATE	Salt	*	*	*	*		As needed				
ARCHER DANIELS MIDLAND											
OPTIXAN T PLUS	Clarified dispersed Xanthan gum biopolymer	*	*	*	*		0.25-2.0			Y	
OPTIXAN T ULTRA	Clarified dispersed Xanthan gum biopolymer - high grade	*	*	*	*		0.25-2.0			Y	
BAKER HUGHES DRILLING FLUIDS											
CLEAR-DRILL N	Sodium formate	*	*	*	*				Y	Y	
MIL-CARB SERIES	Sized calcium carbonate	*	*	*	*				Y	Y	
PERFFLOW 100	Drill-in fluid	*	*	*	*				Y	Y	
W-306	Brine/fresh water viscosifier/FL additive	*	*	*	*		2.5	Y	Y	Y	
W-309	Brine/fresh water viscosifier/FL additive	*	*	*	*		7.5	Y	Y	Y	
W-309 XT	DIF FL/Viscosifier	*	*	*	*		7.5	Y	Y	Y	
BAROID FLUID SERVICES											
ALDACIDE-G	Glutaraldehyde solution	*	*	*	*		0.2-0.5	Y	Y	Y	
BARABLOK	Powdered gilsonite, wallcake enhancer	*	*	*	*		5.0-35.0	Y	Y	Y	
BARABLOK 400	Hi-temp powdered gilsonite	*	*	*	*		5.0-35.0			Y	
BARABUF	pH buffer	*	*	*	*		0.1-2.0	Y	Y	Y	
BARACARB 5, 25, 50, 150, 600, 1200	Sized acid-soluble ground marble	*	*	*	*		5.0-60.0	Y	Y	Y	
BARACARB DF 5, 25, 50, 150, 600	Sized calcium carbonate	*	*	*	*		5.0-60.0	Y	Y	Y	
BARACTIVE	Polar activator for all-oil systems	*	*	*	*		4.0-7.0	Y	Y	Y	
BARA-DEFOAM HP	Polypropylene glycol	*	*	*	*		0.05-0.3			Y	
BARADRIL-MAG	DRIL-N system with magnesium oxide	*	*	*	*		System				
BARADRIL-N	DRIL-N clay-free acid soluble system	*	*	*	*		System				
BARADRIL-VIS	Biopolymer	*	*	*	*		0.2-2.0				
BARAMAG 10, 30, 50	Degradable sized magnesium oxide	*	*	*	*		5-30				
BARAPLUG 20, 50, 6/300	Sized salt bridging particles	*	*	*	*		10-200	Y	Y	Y	

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BRINEDRIL-N	DRIL-N clay-free brine -based system	*	*	*	*			System			
COREDRIIL-N	DRIL-N water-free system,oil/synthetic	*	*	*	*			System			
DURATONE HT	Oil mud filtration control additive	*	*	*	*			2.0-20.0			Y
EZ-CORE	Fatty acid passive emulsifier for all-oil	*	*	*	*			1.0-4.0	Y		
MAXDRIL-N	DRIL-N system, mixed metal silicate	*	*	*	*			System			
N-DRIL HT PLUS	Hi-temp modified starch / filtrate control	*	*	*	*			2.0-6.0	Y	Y	
N-PLEX	Activator for N-SQUEEZE	*	*	*	*			4	Y		
N-SEAL	Inorganic LCM	*	*	*	*			5.0-30.0			
N-SQUEEZE	Lost circulation material	*	*	*	*			8.0-40.0	Y	Y	
N-VIS	Biopolymer	*	*	*	*			0.5-2.0		Y	
N-VIS HI	Mixed metal silicates	*	*	*	*			1	Y		
N-VIS HI PLUS	Mixed metal hydroxides	*	*	*	*			1	Y		
N-VIS L	Liquid xanthan dispersion	*	*	*	*			0.25-3.0			
N-VIS O	Organophilic clay viscosifier	*	*	*	*			1.0-6.0			
N-VIS P PLUS	Biopolymer/modified starch	*	*	*	*			2.0-8.0	Y	Y	
QUICKDRIL-N	DRIL-N system, modified polymer with LSRV	*	*	*	*			System			
SHEARDRIIL-N	DRIL-N system, clay-free with modified polymers	*	*	*	*			System			
SOLUDRIIL-N	DRIL-N system, polymer/sized salt	*	*	*	*			System			
BASF											
BASOCLEAN 40	Biodegradable foamer for drilling and stimulation fluids	*	*	*	*			0.1-1			
BASOPUR DF 5	Liquid defoamer, salt tolerant, biodegradable	*	*	*	*			0.1-1			
BIOFLOW	Xanthan gum	*	*	*	*			1-6			
BIOVIS	Temp. stable biopolymer	*	*	*	*			1-3	Y	Y	
BJ SERVICES											
XL STABILIZER	Buffer system	*	*	*	*						
BD-FL 44	High-temperature polymer	*	*	*	*			2-6			Y
BD-FL 70	Low-temperature polymer	*	*	*	*			2-6			Y
SEAL	Sized calcium carbonate	*	*	*	*			5-50 lb/gal	E	Y	Y
CABOT SPECIALTY FLUIDS											
CESIUM ACETATE	Density to 2.2 sg (18.3 ppg)	*	*	*	*						N
CESIUM FORMATE	Density to 2.3 sg (19.2 ppg)	*	*	*	*				E		N
MIXED FORMATES	Densities from 1.0 sg to 2.3 sg	*	*	*	*				E		N
POTASSIUM FORMATE	Density to 1.57 sg (13.0 ppg)	*	*	*	*				E		Y
SODIUM FORMATE	Density to 1.3 sg (10.8 ppg)	*	*	*	*				E		Y
CHANDLER		*	*	*	*						
ALPHA PLUS	Poly Hydroxy Silicate	*	*	*	*			25 - 1.0	Y		
ALPHA THERMA DEX	Modified Starch	*	*	*	*			2.0-5.0	Y	Y	
CHEMSTAR											
EXSTAR	Modified corn starch for temp.	*	*	*	*			2-6			Y
STARPAK	Highly derivatized starch ether	*	*	*	*			2-5			Y
STARPAK DP	Multi-derivatized starch ether	*	*	*	*			2-5			Y
STARPAK II	A complexed variation of STARPAK	*	*	*	*			2-5			Y
COGNIS											
OMC 586	Environ.friendly carrierfluid, 100% ester	*	*	*	*				*	As needed	
OMC 233	Environ.friendly carrierfluid, 100% ester	*	*	*	*				*	As needed	
OMC 1049	Environ.friendly low vis. carrierfluid, 100% ester	*	*	*	*				*	As needed	
OMC 1000	Environ.friendly carrierfluid, 100% ester	*	*	*	*				*	As needed	
DRILLING SPECIALTIES COMPANY											
CLARIZAN BIOPOLYMER	High viscosity clarified biopolymer	*	*	*	*			0.25-2.0	E	Y	Y
DRILIZAN D BIOPOLYMER	Economical high viscosity biopolymer	*	*	*	*			0.25-2.0		Y	Y
DRISPAC PLUS REGULAR	Dispersable HV poly-anionic cellulose	*	*	*	*			0.25-2.5		Y	Y
DRISPAC PLUS SUPERLO	Dispersable LV poly-anionic cellulose	*	*	*	*			0.25-2.5		Y	Y
DRISPAC REGULAR POLYMER	High viscosity poly-anionic cellulose	*	*	*	*			0.25-2.5		Y	Y
DRISPAC SUPERLO POLYMER	Low viscosity poly-anionic cellulose	*	*	*	*			0.25-2.5		Y	Y
FLOWZAN BIOPOLYMER	High viscosity biopolymer	*	*	*	*			0.25-2.0		Y	Y
GREENBASE LIQUID DRISPAC POLYMER	High viscosity poly-anionic cellulose	*	*	*	*			0.5-4.0		Y	Y
GREENBASE LIQUID FLOWZAN BIOPOLYMER	High viscosity biopolymer	*	*	*	*			0.5-4.0		Y	Y
GREENBASE LIQUID HEC POLYMER	High viscosity pure hydroxyethyl cellulosic polymer	*	*	*	*			0.5-5.0		Y	Y
GREENBASE LIQUID HE-150 POLYMER	Divalent brine viscosifier	*	*	*	*			3.0-15.0		Y	Y
LIQUID HE-150 POLYMER	Divalent brine viscosifier	*	*	*	*			3.0-15.0			
HE 100 EMULSION POLYMER	Divalent brine viscosifier	*	*	*	*			3.0-15.0			N
HE 100 POLYMER	Divalent brine viscosifier	*	*	*	*			1.0-5.0		Y	Y
HE 150 POLYMER	Divalent brine viscosifier	*	*	*	*			1.0-5.0		Y	Y
HE 300 POLYMER	High temp. brine viscosifier	*	*	*	*			2.0-5.0	E	Y	Y
HE 400 POLYMER	High temp. brine viscosifier	*	*	*	*			2.0-5.0		Y	Y
LIQUID DRISPAC POLYMER	High viscosity poly-anionic cellulose	*	*	*	*			0.5-4.0			
LIQUID FLOWZAN BIOPOLYMER	High viscosity biopolymer	*	*	*	*			0.5-4.0			
LIQUID HEC POLYMER	High viscosity pure hydroxyethyl cellulosic polymer	*	*	*	*			0.5-5.0			
IMPACT FLUID SOLUTIONS											
DWC 2000	Shear-thinning, non-damaging viscosifier	*	*	*	*			4.0-6.0		Y	Y

Product name	Description	Dispersed	Nondispersed	Saturated salt	Fresh water	Oil-based	Synthetic fluid	Normal concentration usage (lb/bbl)	HOCNF classification	Prior listing available	Passed LC50 test
FLC2000	Low invasion, non-damaging fluid loss additive	*	*	*	*	*	*	3.0-8.0	Y	Y	Y
KELCO OIL FIELD GROUP											
CELPOL ESL	Extreme low visc PAC	*	*	*	*	*	*	0.25-2	Y	Y	Y
CELPOL R	Purified PAC high visc	*	*	*	*	*	*	0.25-2	Y	Y	Y
CELPOL RX	Purified PAC high visc	*	*	*	*	*	*	0.25-2	Y	Y	Y
CELPOL SL	Purified PAC low visc	*	*	*	*	*	*	0.25-2	Y	Y	Y
CELPOL SLX	Premium purified PAC low visc	*	*	*	*	*	*	0.25-2	Y	Y	Y
FINNFX BOL	Middle visc CMC	*	*	*	*	*	*	2-3	Y	Y	Y
FINNFX HC	High visc CMC	*	*	*	*	*	*	2-3	Y	Y	Y
FINNFX LC	Low visc CMC	*	*	*	*	*	*	2-3	Y	Y	Y
FINNFX RC	Middle visc CMC	*	*	*	*	*	*	2-3	Y	Y	Y
XANVIS BIOPOLYMER	Clarified Xantha biopolymer	*	*	*	*	*	*	0.75/2	Y	Y	Y
XANVIS L	Refined clarified liquid Xantha slurry	*	*	*	*	*	*	0.75/2	Y	Y	Y
KEM-TRON TECHNOLOGIES											
POLY KEM D	Proprietary drilling fluid and clay encapsulator	*	*	*	*	*	*				
POLY KEM L	High m.w. liquid partially hydrolyzed Polyacrylamide	*	*	*	*	*	*				
POLY KEM L 50	Anionic polyacrylamide in emulsion form	*	*	*	*	*	*				
LAMBERTI SPA											
POLYFLOS HM 21	Non damaging fluid loss reducer	*	*	*	*	*	*	2-10		Y	
POLYFLOS HM 22	Non damaging viscosifier	*	*	*	*	*	*	1-3		Y	
LIQUID CASING											
LIQUID CASING I	Polycrystalline	*	*	*	*	*	*	8		Y	
LIQUID CASING II	Polycrystalline	*	*	*	*	*	*	6		Y	
O-M SEAL	Polycrystalline	*	*	*	*	*	*	50		Y	
MAYCO WELLCHEM											
MAYCO CARB	Viscosity, fluid loss control agent	*	*	*	*	*	*	4-8			
MAYCO MAPP	Gelling, viscosity & fluid loss control agents	*	*	*	*	*	*	4-8			
MAYCO VIS	Gelling, viscosity control agent	*	*	*	*	*	*	4-8			
M-I SWACO											
BREAKDOWN	Chelant-based breaker system										
BREAKFREE	Enzyme-based breaker system										
D-SOLVER	Chelant	*	*	*	*	*	*	To 75 vol%			
D-SOLVER PLUS	Chelant/acid blend	*	*	*	*	*	*	To 75 vol%			
D-SPERSE	Surfactant for BREAKFREE and BREAKDOWN systems	*	*	*	*	*	*	0.25-1 vol%			
D-STROYER	Internal breaker	*	*	*	*	*	*	0.5-2.0			
DI-ANTI-FOAM	Antifoaming agent for the DIPRO system	*	*	*	*	*	*	0.03 gpb			
DI-BALANCE	Viscosifier for the DIPRO system	*	*	*	*	*	*	0.25-2			
DI-BOOST	Secondary viscosifier for the DIPRO system	*	*	*	*	*	*	0.03-0.06 gpb			
DI-INHIB	Shale inhibitor for the DIPRO system	*	*	*	*	*	*	3% by vol			
DIPRO	High-density, low-solids, divalent brine RDF system	*	*	*	*	*	*				
DI-TROL	Filtration control agent for the DIPRO system	*	*	*	*	*	*	8-12			
DRILPLEX	Diverse MMO system	*	*	*	*	*	*				
DRILPLEX	MMO viscosifier	*	*	*	*	*	*	1-3		Y	
DUAL-FLO	FCA for the FLOPRO NT system	*	*	*	*	*	*	4-6	N	N	Y
DUAL-FLO HT	FCA for high-temperature applications	*	*	*	*	*	*	2-7			
DUO-TEC	Xanthan gum, dispersible, non-clarified	*	*	*	*	*	*	0.25-2	Y	N	
DUO-TEC NS	Xanthan gum, non-dispersible, non-clarified	*	*	*	*	*	*	0.25-2	Y	N	Y
DUO-VIS	Xanthan gum, dispersible, non-clarified	*	*	*	*	*	*	0.25-2	Y	N	Y
DUO-VIS L	Liquidified xanthan gum, non-clarified	*	*	*	*	*	*	0.25-0.5	Y	N	Y
DUO-VIS NS	Xanthan gum, non-dispersible, non-clarified for use in the North Sea	*	*	*	*	*	*	0.25-2	Y	N	Y
DUO-VIS PLUS	Xanthan gum, dispersible, non-clarified	*	*	*	*	*	*	0.25-2	Y	N	Y
DUO-VIS PLUS NS	Xanthan gum, non-dispersible, non-clarified for use in the North Sea	*	*	*	*	*	*	0.25-2	Y	N	Y
FAZEBREAK	Delayed clean-up system for FAZEPRO	*	*	*	*	*	*				
FAZE-MUL	Emulsifier for FAZEPRO System	*	*	*	*	*	*	8-12	N	N	
FAZE-MUL CW	Emulsifier for FAZEPRO System cold	*	*	*	*	*	*	8-12	N	N	
FAZEPRO	Reversible invert emulsion fluid system	*	*	*	*	*	*				
FAZE-WET	Wetting agent for FAZEPRO System	*	*	*	*	*	*	2-4	N	N	
FAZE-WET CW	Wetting agent for FAZEPRO System cold	*	*	*	*	*	*	2-4	N	N	
FLO-PLEX	Fluid loss additive for DRILPLEX System	*	*	*	*	*	*	2-6	Y	N	Y
FLOPRO NT	Minimal solids, non-damaging WB RDF system	*	*	*	*	*	*				
FLO-THRU	Minimal solids, non-damaging WB RDF system	*	*	*	*	*	*				Y
FLO-THRU SF	Solids-free non-damaging WB RDF system	*	*	*	*	*	*				Y
FLO-TROL	Modified starch derivative	*	*	*	*	*	*	4-8	Y	Y	Y
FLO-VIS L	Liquid clarified Xanthan gum	*	*	*	*	*	*	25-5 gpb			
FLO-VIS NT	Non-dispersible, non-clarified Xanthan gum	*	*	*	*	*	*	25-1.5			
FLO-VIS PLUS	Premium clarified Xanthan for FLOPRO NT systems	*	*	*	*	*	*	0.5-2.5	N	N	
FLO-WATE	Sized salt weighting agent for FLOPRO system	*	*	*	*	*	*	40-60	N	N	
K-52	Non-chloride potassium supplement for FLOPRO NT systems	*	*	*	*	*	*	1-5	N	N	Y
KLA-CURE	Hydration suppressant for FLOPRO NT systems	*	*	*	*	*	*	4-8	N	Y	Y
KLA-CURE II	Hydration suppressant	*	*	*	*	*	*	4-8	N	N	Y
KLA-GARD	Shale inhibitor and hydration suppressant for FLOPRO NT systems	*	*	*	*	*	*	4-8	N	Y	Y
KLA-GARD B	Salt-free KLA-GARD	*	*	*	*	*	*	4-8	N	N	Y
KLA-SENTRY	Hydration suppressant	*	*	*	*	*	*	4-8	N	N	Y
KLA-STOP	Liquid polyamine shale inhibitor	*	*	*	*	*	*	1-4 vol%			
LUBE-167	Low-toxicity lubricant for FLOPRO NT system	*	*	*	*	*	*	4-16	N	Y	Y

Product name	Description	Dispersed	Nondispersed	Saturated salt	Fresh water	Oil-based	Synthetic fluid	Normal concentration usage (lb/bbl)	HOCNF classification	Prior listing available	Passed LC50 test
LUBE-776	Lubricant for LSND muds	*	*	*	*	*	*	1-3 vol%			
LUBE 945	WBM lubricant	*	*	*	*	*	*	1-3 vol%			
LUBE XLS	Extreme pressure lubricant	*	*	*	*	*	*	1-6			Y
NOVAPRO	Synthetic olefin-base RDF system	*	*	*	*	*	*				
PARAPRO	Paraffin-base RDF system	*	*	*	*	*	*				
SAFE-BREAK L	Polymer breaker	*	*	*	*	*	*	1-4		N	N
SAFE-BREAK S	Polymer breaker	*	*	*	*	*	*	0.002-0.01		N	N
SAFE-CARB	Ground marble weighting/bridging agent	*	*	*	*	*	*	10-50		Y	N
SAFE-CIDE	Biocide	*	*	*	*	*	*	0.1-0.5	Y	N	
STARGLIDE	Lubricant and ROP enhancer	*	*	*	*	*	*	1-3 vol%			
VERSAPRO	Oil-base RDF system	*	*	*	*	*	*				
VERSAPRO LS	Low-solids oil-base RDF system	*	*	*	*	*	*				
WELLYME A	Enzyme breaker with biocide for water-base RDF fluids	*	*	*	*	*	*	2-10%	N	N	
WELLYME NS	Enzyme breaker without biocide for water-base RDF fluids	*	*	*	*	*	*	2-10%	N	N	
NEWPARK DRILLING FLUIDS											
HIPERM	Amine shale inhibitor	*	*	*	*	*	*	0.3-0.6 vol%			
NORBAR MINERALS AS											
ECOFORM PF75	Potassium formate brine	*	*	*	*	*	*		Y	Y	Y
ECOFORM PF97	Potassium formate powder	*	*	*	*	*	*		Y	Y	Y
ECOFORM SF98	Sodium formate powder	*	*	*	*	*	*		Y	Y	Y
OLEON N.V.											
RADIAGREEN EBO	General-purpose lubricant & ROP enhancer	*	*	*	*	*	*	4-6%	Y	N	Y
RADIAGREEN	Lubricant for heavy brines	*	*	*	*	*	*	0.5-3%	Y	N	Y
RADIAGREEN EME-SALT		*	*	*	*	*	*				
RADIAGREEN RA	Reservoir enhancer	*	*	*	*	*	*	0.5-1%	Y	N	
RADIAGREEN SL	Lubricant for pH system >10	*	*	*	*	*	*	2-5%	Y	N	Y
PQ CORPORATION											
ECODRILL	Silicate drilling fluid	*	*	*	*	*	*				
PRIME ECO GROUP INC.											
DTS-2002	Polyalcohol no cloud point	*	*	*	*	*	*	3%-10%			
SKL-100	Environmental replacement for KCL	*	*	*	*	*	*	1-4			
PRIME PAC		*	*	*	*	*	*	0.5-4			
VISCLAY-R	MMO	*	*	*	*	*	*	1/2 to 1-1/2			
QUARON N.V.											
MC FLA SP	Viscosifier/fluidloss reducer Na/K system	*	*	*	*	*	*	4-10			
MC FLA CR	Viscosifier/fluidloss reducer calc.resistant	*	*	*	*	*	*	4-10			
MC FVIS	Solids free fluidloss additive/viscosifier	*	*	*	*	*	*	3-6			
MC ZAN XN	Shear thinning viscosifier 120°C, 250°F	*	*	*	*	*	*	0.25-2			
MC ZAN XT	Shear thinning viscosifier 150°C, 300°F	*	*	*	*	*	*	0.25-2			
SETAC											
SETA-VIS	Modified gum	*	*	*	*	*	*	0.5-3			
SUN DRILLING PRODUCTS											
LUBRA-GLIDE	Mechanical solid lubricant	*	*	*	*	*	*	4-6 lbs/bbl			Y
TBC-BRINADD											
GLYSOL-DRIL SYSTEM	Drill-in fluid - glycol suspension CaCO3	*	*	*	*	*	*				Y
HY-DENS SYSTEM	Drill-in fluid - high density CaCO3	*	*	*	*	*	*				Y
THIXSAL-ULTRA SYSTEM	Drill-in fluid - sized sodium chloride	*	*	*	*	*	*				Y
ULTRA PF SYSTEM	Drill-in fluid - high temp. sized calcium carbonate	*	*	*	*	*	*				Y
ULTRACARB SYSTEM	Drill-in fluid - sized calcium carbonate	*	*	*	*	*	*				Y
TETRA TECHNOLOGIES, INC.											
PAYZONE CLEANUP TRMT	DIF/GP clean-up	*	*	*	*	*	*				
PAYZONE GMT-X	MgCl2 cement contaminant control	*	*	*	*	*	*				
PAYZONE DF SLICK PILL	Solids free fluid	*	*	*	*	*	*				
PAYZONE DF-CC	DF using CaCO3 bridging mtl.	*	*	*	*	*	*				Y
PAYZONE DF-LT	Low toxicity fluid	*	*	*	*	*	*				Y
PAYZONE DF-SS	DF using NaCl bridging mtl.	*	*	*	*	*	*				Y
PAYZONE GRAVEL PACK TRMT	DIF/GP simultaneous clean-up	*	*	*	*	*	*				
WEATHERFORD INTERNATIONAL LTD.											
ALPHA 4138	Emulsifier	*	*	*	*	*	*				
ALPHA 4180	Emulsifier	*	*	*	*	*	*				
EMULSIFIERS											
AMBAR											
AMVERT PE	Primary emulsifier	*	*	*	*	*	*	2-8			
AMVERT SE	Secondary emulsifier	*	*	*	*	*	*	2-8			
ECOMUL PE	Primary emulsifier	*	*	*	*	*	*	2-8			
ECOMUL SE	Secondary emulsifier	*	*	*	*	*	*	2-8			
ECOSYN PE	Primary emulsifier for synthetics	*	*	*	*	*	*	2-8			
ECOSYN SE	Secondary emulsifier for synthetics	*	*	*	*	*	*	2-8			
ARCHER DANIELS MIDLAND											
R&R 551	Oil wetting agent	*	*	*	*	*	*	0.25-2			Y
BAKER HUGHES DRILLING FLUIDS											
CARBO-MUL	Emulsifier and wetting agent	*	*	*	*	*	*	0.5-1.0 gal/bbl			
CARBO-MUL HT	High-temperature emulsifier and wetting agent	*	*	*	*	*	*	2.9-23.8 L/m ³			
CARBO-MUL HT N	High-temperature emulsifier and wetting agent for Norway	*	*	*	*	*	*	2.9-23.8 L/m ³			
CARBO-MUL PLUS	High-temperature emulsifier and wetting agent	*	*	*	*	*	*				
CARBO-TEC	High-temperature anionic emulsifier	*	*	*	*	*	*	14.3-40.5 L/m ³			

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CARBO-TEC S	Supplemental emulsifier							Up to 14.3 L/m ³			
CARBO-TEC PLUS	High-temperature anionic emulsifier										
CLAY-COTE HT	Wetting agent										
MAGMA-VERT	Emulsifier for HPHT emulsion system							12-45 L/m ³			
OMNI-MIX	A supplemental emulsifier used in synthetic and oil-base drilling fluids in extremely harsh drilling environments										
OMNI-MUL	High temp. emulsifier and wetting agent for synthetic muds							12-36 L/m ³			
OMNI-TEC	Anionic emulsifier							14-40 L/m ³			
OMNI-VERT	Supplemental emulsifier							12-36 L/m ³			
BAROID FLUID SERVICES											
BROMI-MUL	High density brine-in-oil emulsifier							6	Y		
DRILTREAT	Oil wetting agent							0.25-2.0	Y	Y	Y
EZ MUL	Oil mud emulsifier							2.0-12.0			
EZ MUL 2F	Oil mud emulsifier							2.0-12.0			
EZ MUL NS	Oil mud emulsifier							2.0-12.0	Y	Y	
EZ MUL NT	Oil mud emulsifier							2.0-12.0	Y	Y	
EZ MUL R	Oil mud emulsifier							2.0-12.0			
EZ-CORE	Fatty acid passive emulsifier for all-oil							1.0-4.0	Y		
FACTANT	Oil mud emulsifier/filtration control agent							1.0-4.0		Y	
FORMULAIDE	Emulsifier for synthetic fluids							2.0-8.0			
FORTI-MUL	Oil mud emulsifier							2.0-12.0			
INVERMUL	Oil mud emulsifier							4.0-12.0			
INVERMUL NT	Oil mud emulsifier							4.0-12.0	Y	Y	
LE MUL	Emulsifier for synthetic fluids							4.0-12.0			
LE SUPERMUL	Emulsifier for synthetic fluids							2.0-12.0		Y	
THERMO MUL	High temperature emulsifier							6.0-10.0			
BASF											
BASOSOL	Primary emulsifier class							1-10			
COGNIS											
TERRADRIL EM 392	Fatty acid (co-emulsifier)							1-5			
TERRADRIL EM 1122	OBM-emulsifier							2-10			
TERRADRIL EM 1140	OBM-emulsifier							2-6			
TERRADRIL EM 1145	OBM-emulsifier							2-6			
TERRADRIL EM 1120	Low toxicity emulsifier							2-8			
TERRADRIL EM 1187	OBM-emulsifier							2-12			
DEEP SOUTH CHEMICAL											
GOLD SURF	Emulsifier for oil							2-4%			
GOLD SURFII	Emulsifier for oil based mud							2-4%			
DRILLSAFE JANEL											
MULTIDET E	Fresh and salt water emulsifier							0.5-0.3			
ECOFUIDS											
ECOMUL	Primary emulsifier							3-10 ppb			
ECOWET	Secondary emulsifier							0.5-4 ppb			
LAMBERTI SPA											
EMULAM FL	Liquid fluid loss reducer for OBM							1-10			
EMULAM PE	Primary emulsifier for OBM							1-10			
EMULAM RM	Rheology modifier for OBM							1-4			
EMULAM SE	Secondary emulsifier for OBM							1-10			
EMULAM WA	Wetting agent for OBM							1.0-10			
EMULAMPE/HT	HPHT primary emulsifier for OBM							1-10			
ESAPAL DME	Drilling mud emulsifier							1-10			
LAMBERTI USA											
EMULAM PM	Primary emulsifier for invert muds							1-10			
EMULAM SM	Secondary emulsifier for invert muds							1-10			
EMULAM PS	Primary emulsifier for synthetic based muds							1-10			
EMULAM SS	Secondary emulsifier for synthetic-based muds							1-10			
EMULAM PC	Concentrated primary emulsifier							1-6			
EMULAM SC	Concentrated secondary emulsifier							1-6			
EMULAM AK	Primary emulsifier / intermediate							1-10			
EMULAM WA1	Wetting agent / primary							1-6			
EMULAM ASB	Super wetting agent for invert muds							1-6			
EMULAM WAO	Imidazoline based wetting agent							1-6			
M-I SWACO											
ECOGREEN P	Primary emulsifier for ECOGREEN system							2-6	Y	N	
ECOGREEN S	Secondary emulsifier for ECOGREEN system							2-6	Y	N	
EMUL HT	HTHP emulsifier							2-6	N	N	
FAZE-MUL	Emulsifier for FAZEPRO system							2-6	N	N	
FAZE-WET	Wetting agent for FAZEPRO System							8-12	N	N	
M-I 157	Supplemental emulsifier							0.5-2	N	N	
MUL HTP	Primary emul. for negative alkalinity syst							2-6	N	N	
NOVAMUL	Primary emulsifier & wetting agent for synthetic fluids							2-8	N	N	Y
NOVAWET	Wetting agent for synthetic muds							1-5	N	N	Y
NOVATEC P	Primary emulsifier for NOVATEC system							2-6	N	N	
NOVATEC S	Secondary emulsifier for NOVATEC system							2-6	N	N	
OILFAZE	Sacked oil-base concentrate							50	N	N	
SUREMUL	Primary emulsifier for OBM & SBM systems							2-8	N	N	Y
SUREWET	Wetting agent for synthetic systems							1-5	N	N	Y
VERSACOAT	Wetting agent & emulsifier							1-8	N	N	
VERSACOAT HF	Emulsifier for oil muds							1-8	N	N	
VERSACOAT NA	High flash point emulsifier for oil muds							1-8	N	N	
VERSAMUL	Primary emulsifier & wetting agent							2-10	N	N	

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VERSAPRO P/S	Primary emulsifier							2-6	N	N	
VERSAWET	Wetting agent for OBM							1-6	N	N	
NEWPARK DRILLING FLUIDS											
CYBERCOAT	Surfactant & supplemental emulifer							0.5-2			
CYBERMUL	Low toxicity emulsifier							4-6			
CYBERPLUS	Low toxicity emulsifier							8-12			
OPTIMUL	Organic emulsifier							2-8			
OPTIPLUS	Organic emulsifier							2-8			
OPTIWET	Blend of emulsifying & wetting agents							0.25-8			
OLEON N.V.											
RADIAGREEN EBL	Env. friendly ester based lubricant							0.5-3%	Y	N	Y
RADIAGREEN EME SCA	Lubricant for heavy brines							0.5-3%	Y	N	Y
PRIME ECO GROUP											
PECOMUL 100	Wetting agent for OBM							1-6	N	N	
PECOMUL 300	Wetting agent & emulsifier							1-8	N	N	
PROGRESS CHEMICAL SALES											
PRO-WET	Coupling agent for Gilsonite							2-4			
SPECIAL PRODUCTS											
PRODUCT 63	Wetting agent							1-4			
PRODUCT 6016	Primary emulsifier							2-6			
PRODUCT 6050	Primary emulsifier							2-6			
PRODUCT 6065	Secondary complex emulsifier							2-6			
PRODUCT 6156	Secondary Complex Emulsifier							1-4			
WEATHERFORD INTERNATIONAL LTD.											
ALPHA 1386	Wetting liquid, low tox..							1-5			
ALPHA 3930	Viscosifier fatty acid, low tox..							1-4			
ALPHA 6151	Lubricant/primary emulsifier, low tox..							1-10			
ALPHA 6156	Lubricant/drill oil fluid, low tox..							1-10			
ALPHA 6177	Secondary emulsifier/surfactant							0.5-5			
ALPHA 6280	Primary/secondary emulsifier, low tox..							1-10			
ALPHA 6450	Oil mud thinner							0.5-3			
ALPHA 6662	Primary/secondary emulsifier, low tox..							1-10			
ALPHA 6666	Primary/secondary emulsifier, low tox..							1-10			
WELL-FLOW TECHNOLOGIES											
LIQUID SCRAPER	Surfactant blend										
RINSE-AID	Complex surfactant blend										
FILTRATION CONTROL AGENTS											
AKZO NOBEL											
GABROIL PAC HVMS	PAC high viscosity, technical (improved)							0.2-3			Y
GABROIL PAC LOVIS	PAC low viscosity, technical (improved)							0.2-3			Y
GABROIL HV	PAC high viscosity, technical							0.2-3			Y
GABROIL LV	PAC low viscosity, technical							0.2-3			Y
GABROSA EHVT	CMC extra high viscosity, technical							0.2-4			Y
GABROSA HVT	CMC high viscosity, technical							0.2-4			Y
GABROSA LVT	CMC low viscosity, technical							0.2-4			Y
STAFLO EXLO	PAC low viscosity, pure							0.2-2			Y
STAFLO REGULAR	PAC high viscosity, pure							0.2-2			Y
AMBAR											
AMCARR (C)	Calcium carbonate										
AMCARR (F)	Calcium carbonate										
AMCARR (M)	Calcium carbonate										
AMCMC	Carboxymethyl cellulose							2-2			
AMLIG	Lignite							2-6			
AMPAC	Polyanionic cellulose							0.5-1			Y
AMPAC LO VIS	Polyanionic cellulose							0.5-2			Y
AMTROL	Viscosifier - liquid							0.25-4			
AMVIS	Viscosifier - dry powder							0.25-4			
AMZINC VIS I	Liquid viscosifier							3%			
AMZINC VIS II	Liquid viscosifier							3			
AMZINC VIS III	Liquid viscosifier							3			
CM STARCH	Carboxymethyl starch							2-6			Y
ECOPHALT	Asphalt							1-6			
ECOMUL FLR	Filtration control additive							1-6			Y
MAGMA FIBER	Lost circulation material							0.5-25			
SPA	Sodium polyacrylate							1-2			
STAR LG	Liquid gilsonite blend							4-6			
STARBLOK	Carboxymethyl starch							2-6			Y
STARTEMP	High temperature fluid loss agent							2-6			Y
STARTRON	Sulfonated asphalt blend							2-6			
AQUALON											
AQUACEL R-110	Low viscosity Carboxymethyl cellulose							0.25-2			Y
AQUACEL R-190	High viscosity Carboxymethyl cellulose							0.25-2			Y
AQUAFLO LV	High viscosity Standard Polyanionic cellulose							0.25-2			Y
AQUAFLO HV	Low viscosity Standard Polyanionic cellulose							0.25-2		</	

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NATROSOL 250 HHR-P	Ultra High viscosity HEC	*	*	*	*			0.5-2.5		Y	Y
NATROSOL 250 LR	Ultra low viscosity Hydroxyethyl cellulose	*	*	*	*					Y	Y
NATROSOL LIQUID	Environmental friendly anhydrous HEC suspension	*	*	*	*			1-5	D	Y	Y
NATROSOL HI-VIS XXTRADURA	Ultra High viscosity HEC Extreme temperatures filtration control additive	*	*	*	*			0.5-2.5 1-5		Y	Y
BAKER HUGHES DRILLING FLUIDS											
BIO-LOSE	Complexed polysaccharide	*	*	*	*			2-4			Y
BIO-PAQ	Organic derivative providing filtration control	*	*	*	*			1-4			Y
CARBO-TROL	Filtration control agent				*			2-8			
CARBO-TROL A9	Non-asphaltic/polymeric HPHT filtration control agent				*			2-8			
CARBO-TROL HT	HT softening-point gilsonite for improved filtration control				*			2-6			
CARBO-TROL XHT	Extra high-temperature softening-point gilsonite for improved filtration control				*			2-5			
CHEMTROL X	HT filtration control agent for water-base fluids	*	*	*	*			2-6			
CMC HV	Technical-grade sodiumcarboxymethylcellulose - meeting API specs	*	*	*	*			0.5-4			
CMC LV	Technical-grade sodiumcarboxymethylcellulose - meeting API specs	*	*	*	*			1-4			
FILTREX	Polyanionic lignin resin	*	*	*	*			2-6			
KEM-SEAL	Co-polymer for HT filtration control	*	*	*	*			1-2		Y	
KEM-SEAL PLUS	Co-polymer (with pH tolerance) for HT filtration control	*	*	*	*			1-2			
LIGCO	Ground leonardite	*	*	*	*			2-8		Y	
LIGCON	Causticized leonardite	*	*	*	*			2-8	Y		
MAGMA-SEAL	HPHT fluid loss additive	*	*	*	*						
MAGMA-TROL	Polymeric fluid loss additive for HPHT emulsion systems	*	*	*	*						
MIL-PAC	Polyanionic cellulose	*	*	*	*			1-4		Y	
MIL-PAC LV	Low-viscosity polyanionic cellulose	*	*	*	*			1-4			
MIL-PAC PLUS	Polyanionic cellulose that meets API specifications	*	*	*	*						
MIL-PAC PLUS LV	Low-viscosity polyanionic cellulose that meets API specifications	*	*	*	*						
MILSTARCH	Pregelatinized starch	*	*	*	*			1-5		Y	
NEW-TROL	Sodium polyacrylate	*	*	*	*			0.5-4			
PERMA-LOSE HT	Nonfermenting polymerized starch	*	*	*	*			1-5		Y	
PYRO-TROL	Co-polymer acrylamide-AMPS	*	*	*	*			1-4		Y	
BAROID FLUID SERVICES											
ADAPTA	Oil mud filtration control copolymer	*	*	*	*			1.0-6.0			Y
AK-70	Asphaltic blend	*	*	*	*			5.0-15.0		Y	Y
BARABLOK	Powdered gilsonite, wallcake enhancer	*	*	*	*			5.0-35.0	Y	Y	Y
BARABLOK 400	Hi-temp powdered gilsonite	*	*	*	*			5.0-35.0	Y	Y	Y
BARANEX	Modified lignin polymer	*	*	*	*			2.0-6.0	Y	Y	Y
BARO-TROL PLUS	Shale stabilizer	*	*	*	*			2.0-6.0	Y	Y	Y
BORE-PLUS	Shale inhibitor	*	*	*	*			25-3.0	Y	Y	Y
BXR	Borehole stabilizer	*	*	*	*			4.0-20.0	Y	Y	Y
BXR-L	Borehole stabilizer suspension	*	*	*	*			8.0-40.0	Y	Y	Y
CARBONOX	Leonardite	*	*	*	*			2.0-12.0	Y	Y	Y
DEXTRID	Modified starch with biocide	*	*	*	*			2.0-6.0	Y	Y	Y
DEXTRID E	Modified starch	*	*	*	*			2.0-6.0	Y	Y	Y
DEXTRID LT	Modified starch with biocide	*	*	*	*			2.0-6.0			
DEXTRID LTE	Modified starch with biocide	*	*	*	*			2.0-6.0			
DN-91	Pregelatinized starch with biocide	*	*	*	*			2.0-6.0			
DRILL STARCH	Pregelatinized starch	*	*	*	*			2.0-8.0			
DURATONE E	Oil mud filtration control additive	*	*	*	*			2.0-20.0	Y		
DURATONE HT	Oil mud filtration control additive	*	*	*	*			2.0-20.0		Y	
DURENEX PLUS	Hi-temp filtration control additive	*	*	*	*			1.0-3.0			
FACTANT	Oil mud emulsifier/filtration control agent	*	*	*	*			1.0-4.0		Y	
FILTER-CHEK	Fermentation-resistant modified starch	*	*	*	*			1.0-5.0	Y	Y	Y
IMPERMEX	Pre-gelatinized starch	*	*	*	*			2.0-8.0	Y	Y	Y
LIQUTONE	Liquid polymeric filtrate reducer	*	*	*	*			1.0-4.0	Y		
N-DRILL HT PLUS	Modified starch	*	*	*	*			2.0-5.0	Y	Y	Y
PAC-L & PAC-LE	Low viscosity polyanionic cellulose	*	*	*	*			0.5-3.0	Y	Y	Y
PAC-R & PAC-RE	Regular polyanionic cellulose	*	*	*	*			0.5-2.0	Y	Y	Y
POLYAC PLUS	Polyacrylate	*	*	*	*			0.25-3.0		Y	Y
QUIK-CHEK	Fermentation-resistant modified starch	*	*	*	*			1.0-5.0	Y	Y	Y
THERMA-CHEK	High temperature filtrate reducer	*	*	*	*			1.0-8.0	Y	Y	Y
THERMO TONE	High temperature filtration reducer	*	*	*	*			3.0-10.0	Y		
BASE											
POLYDRILL	Synthetic fluid loss polymer	*	*	*	*			2-4	Y	Y	Y
BJ SERVICES											
BD-FL 44	High-temperature starch	*	*	*	*			2-6			Y
BD-FL 70	Low-temperature starch	*	*	*	*			2-6			Y
BD-VIS 130	BrineDri™ viscosifier	*	*	*	*			0.5-2.5			
CLEANPLUG™ KF	Crosslinked fluid loss control system	*	*	*	*			36 gal/10bbl			
FC-30	Flake carbonate	*	*	*	*						
HI-VIS 508	High-density brine compatible polymer	*	*	*	*			0.5-2.5			
HI-VIS 708	High-density brine compatible polymer	*	*	*	*			0.5-2.5			
QUICK-VIS	Liquid brine viscosifier	*	*	*	*			As needed	E	Y	Y
QUICK-VIS-HT	Liquid brine viscosifier - HT environment	*	*	*	*			As needed	E	Y	Y
SEAL	Sized calcium carbonate	*	*	*	*			5-50 lbs/bbl			
ULTRAVIS	Liquid brine viscosifier	*	*	*	*			As needed	E	Y	Y
VIS	Pure synthetic polymer	*	*	*	*			0.2-4.0	E	Y	Y
XCD POLYMER	Bipolymer	*	*	*	*			As needed			
TEKPLUG® XL	Crosslinked fluid loss control system	*	*	*	*			17 gal/bbl			
TEKPLUG® HD	Crosslinked fluid loss control system	*	*	*	*			18 gal/bbl			

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TEKPLUG® HPD	Crosslinked fluid loss control system	*	*	*	*			19 gal/bbl			
BOYSENBLUE/CELTEC INTERNATIONAL											
BLEN-FYBER	Cellulose fiber	*	*	*	*			6		Y	
BLEN-SEAL W.B.	Cellulose fiber	*	*	*	*			6		Y	
WALL GUARD	Filtration reducer	*	*	*	*						
CHANDLER											
Alpha AL	OrganoLignite	*	*	*	*			2.0-10.0			
Alpha Coat DF	Gilsonite Oil-Based	*	*	*	*			.5 - 9.0			
Alpha Coat DF PLUS	Gilsonite Water-based	*	*	*	*			.5 - 9.0			
Alpha 1000	Rheology Modifier	*	*	*	*			1.0 - 10.0			
Alpha 1001	Primary Emulsifier	*	*	*	*			1.0 - 10.0			
Alpha 1007	Secondary Emulsifier / Wetter	*	*	*	*			1.0 - 10.0			
Alpha 1111	Thinner / Wetter	*	*	*	*			1.0 - 10.0			
CHEMSTAR PRODUCTS											
DRILLSTAR HT	High performance white starch	*	*	*	*			4			Y
DRILLSTAR P	Potato starch	*	*	*	*			3			Y
DRILLSTAR SUPERTEMP	High temp starch for brines	*	*	*	*			4			
DRILLSTAR Y	Low cost yellow starch	*	*	*	*			5			Y
EXSTAR	Modified corn starch for temp.	*	*	*	*			2-6			Y
HYDROSTAR	Pregel starch for temp. and hardness	*	*	*	*						
PETROSTAR	Pre gel starch for API/OCMA	*	*	*	*			5			
STARLOSE	Stabilized starch	*	*	*	*			2-5			Y
STARPAK	Highly derivatized starch ether	*	*	*	*			2-5			Y
STARPAK DP	Multi-derivatized starch ether	*	*	*	*			2-5			Y
STARPAK EXTREME	Multiderivatized starch ether for high temp	*	*	*	*						
STARPAK II	A complexed variation of STARPAK	*	*	*	*			2-5			Y
DEEP SOUTH CHEMICAL											
DSC LINER GEL E	Non-ionic pure hydroxyethyl cellulose	*	*	*	*			0.5-3			
DSC XA-E	Liquid Xanvis polymer	*	*	*	*			0.5-3			
DSC INC.											
SHALEASE	Shale stabilizer, Aluminum Blend	*	*	*	*			2.0-8.0			
DRILLING SPECIALTIES COMPANY											
DRILLPAC HV POLYMER	High viscosity polyanionic cellulose	*	*	*	*			0.25-2.5		Y	Y
DRILLPAC LV POLYMER	Low viscosity polyanionic cellulose	*	*	*	*			0.25-2.5		Y	Y
DRISCAL D POLYMER	High temperature synthetic polymer	*	*	*	*			0.5-2.5		Y	Y
DRISPAC PLUS REGULAR	Dispersable HV polyanionic cellulose	*	*	*	*			0.25-2.5		Y	Y
DRISPAC PLUS SUPERLO	Dispersable LV polyanionic cellulose	*	*	*	*			0.25-2.5		Y	Y
DRISPAC REGULAR POLYMER	High viscosity polyanionic cellulose	*	*	*	*			0.25-2.5		Y	Y
DRISPAC SUPERLO POLYMER	Low viscosity polyanionic cellulose	*	*	*	*			0.25-2.5		Y	Y
DRISTEMP	High temperature synthetic polymer	*	*	*	*			0.5-2.5		Y	Y
DSC6 PAC	Economical medium viscosity PAC	*	*	*	*			0.25-3.0		Y	Y
GREENBASE LIQUID DRISPAC POLYMER	High viscosity polyanionic cellulose	*	*	*	*			0.5-4.0		Y	Y
HE-100 POLYMER	Divalent brine fluid loss additive	*	*	*	*			1.0-5.0		Y	Y
HE-150 POLYMER	Divalent brine fluid loss additive	*	*	*	*			1.0-5.0		Y	Y
HE-300 POLYMER	Fluid loss additive for silicate muds	*	*	*	*			1.0-5.0		Y	Y
LIQUID DRISPAC POLYMER	High viscosity polyanionic cellulose	*	*	*	*			0.5-4.0		Y	Y
DRILLSAFE JANEL											
MUTICEL	CMC, all grades	*	*	*	*			0.2-3			
MUTICEL R	PAC HV	*	*	*	*			0.1-2			
MUTIDRILL	Modified starch polymer	*	*	*	*			0.4-2			
MUTISAL	Carboxy-methylated polymer	*	*	*	*			0.2-1			
ECOFUIDS											
ECODRILL	HT-HP filtration control	*	*	*	*			2.0-10.0			Y
ECOFCG	HT gilsonite	*	*	*	*			2.0-10.0			Y
ECOFCL	Amine lignite	*	*	*	*			2.0-10.0			Y
ECOMEX	Resin based filtration control	*	*	*	*			2.0-10.0			Y
ECOSTARCH	High performance filtrate reducer	*	*	*	*			4-6			Y
PAC-R	Filtration Reducer	*	*	*	*			0.5-3			Y
PAC-LV	Filtration Reducer	*	*	*	*			0.5-3			Y
GUMPRO CHEMICALS											
GEL CR	Chrome lignite	*	*	*	*			0.5-1			Y
GEL LC SEAL	Micronised cell fibre	*	*	*	*			6			Y
GEL LIG	Lignite	*	*	*	*			0.5-1			Y
GEL RX	Lignite polymer	*	*	*	*						
GEL STARCH	Pregel starch	*	*	*	*			4-11			Y
GELTEX CP	Modified gum	*	*	*	*			2-5			Y
HORIZON PRODUCTS											
CONTROL I-99F	Crosslinked starch	*	*	*	*			3%			Y
CONTROL I-100	Natural white starch	*	*	*	*			3-51			Y
CONTROL I-165	Alkaline starch polymer	*	*	*	*			3			

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CELPOL SLX	Premium purified PAC low visc	*	*	*	*			0.25-2	Y	Y	
FINNFIX BOL	Middle visc tech CMC	*	*	*	*			2-3	Y	Y	
FINNFIX H	CMC high viscosity pure	*	*	*	*			0.2-3	Y	Y	
FINNFIX HC	High visc tech CMC	*	*	*	*			2-3	Y	Y	
FINNFIX L	CMC low viscosity pure	*	*	*	*			0.2-3	Y	Y	
FINNFIX LC	Middle visc tech CMC	*	*	*	*			2-3	Y	Y	
FINNFIX RC	Middle visc tech CMC	*	*	*	*			2-3	Y	Y	
WL-100	Sodium polyacrylate fluid loss additive	*	*	*	*			0.25-1			Y
KEM-TRON TECHNOLOGIES											
KT-WL2000	Anionic Polymer, Powder	*	*	*	*						
Z-TROL	Polycrylamide, Powder, HTHP	*	*	*	*						
LAMBERTI SPA											
CARBOCEL EHV	Tech. grade, extra high vis. CMC OCMA/API	*	*	*	*			2-4		Y	
CARBOCEL EHV-P	Pure grade, extra high vis. CMC	*	*	*	*			2-3		Y	
CARBOCEL EHV-S	Semipure grade, extra high vis. CMC	*	*	*	*			2-3	Y		
CARBOCEL HV	Tech. grade, high vis. CMC	*	*	*	*			2-4	Y		
CARBOCEL HV-P	Pure grade, high vis. CMC	*	*	*	*			2-3	Y		
CARBOCEL LV	Tech. grade, low vis. CMC OCMA/API	*	*	*	*			2-5	Y		
CARBOCEL LV-P	Pure grade, low vis. CMC	*	*	*	*			2-4	Y		
CARBOCEL LV-S	Semipure grade, low vis. CMC	*	*	*	*			2-4	Y		
CEPAC LOVIS	Low vis. polyanionic cellulose	*	*	*	*			2-3	Y		
CEPAC REGULAR	High vis. polyanionic cellulose	*	*	*	*			2-3	Y		
EMULAM FL	Liquid fluid loss reducer for OBM	*	*	*	*	*		1-10			
K CMC HV	Potassium high visc. CMC	*	*	*	*			2-3	Y		
K CMC LV	Potassium low visc. CMC	*	*	*	*			2-3	Y		
K PAC LOVIS	Potassium low vis. polyanionic cellulose	*	*	*	*			2-3	Y		
K PAC REGULAR	Potassium high vis. polyanionic cellulose	*	*	*	*			2-3	Y		
LAMPAC CHL	Premium low vis. polyanionic cellulose	*	*	*	*			2-2	Y		
LAMPAC CHR	Premium high vis. polyanionic cellulose	*	*	*	*			2-2	Y		
LAMPAC EXLO	Extremely low viscosity polyanionic cellulose	*	*	*	*			2-2	Y		
LAMPAC LOVIS	Low vis. polyanionic cellulose	*	*	*	*			2-3	Y		
LAMPAC REGULAR	High vis. polyanionic cellulose	*	*	*	*			2-2	Y		
POLYFLOS HM 21	Non damaging modified natural polymer	*	*	*	*			2-10	Y		
PREMPAC LOVIS	Low vis. polyanionic cellulose	*	*	*	*			2-2.5	Y		
PREMPAC REGULAR	High vis. polyanionic cellulose	*	*	*	*			2-2.5	Y		
LAMBERTI USA											
CMC EHV	Carboxymethyl cellulose extremely high viscosity	*	*	*	*			0.5-4			
CMC LV	Carboxymethyl cellulose low viscosity	*	*	*	*			0.5-4			
EMULAM FLC	Liquid fluid loss control agent for OBM	*	*	*	*	*		0.5-5			
LAMPAC LIQUID	Polyanionic cellulose liquid dispersion	*	*	*	*			1-5			
LIQUID CASING											
LIQUID CASING	Polycrystalline	*	*	*	*	*		8		Y	
LIQUID CASING II	Polycrystalline	*	*	*	*	*		6		Y	
WORKOVER 2000	Non-damaging polymers	*	*	*	*			2	Y		
WORKOVER 3000	Non-damaging polymers	*	*	*	*			2	Y		
XP-1000	Polymer visco	*	*	*	*			2	Y		
XP-2000	Polymer visco	*	*	*	*			2	Y		
MAYCO WELLCHEM											
MAYCO CARB	Viscosity, fluid loss control agents	*	*	*	*			4-8			
MAYCO FLC	Fluid loss control agent	*	*	*	*			1-4			
MAYCO FLOW	Fluid loss control agent	*	*	*	*			2-6			
MAYCO HELP	Polymer temperature extender	*	*	*	*			1-5			
MAYCO LIVIS	Liquid viscosity control agent	*	*	*	*			1-6			
MAYCO MAPP	Gelling, viscosity and fluid loss control agents	*	*	*	*			4-8			
MAYCO VIS	Gelling, viscosity control agents	*	*	*	*			4-8			
M-I SWACO											
ASPHASOL	Blend of sulfonated organic resins	*	*	*	*			4-10	N	N	Y
ASPHASOL D	Sulfonated organic blend	*	*	*	*			4-10	N	N	
ASPHASOL SUPREME	Sulfonated asphalt	*	*	*	*			4-10	N	N	
CAUSTILIG	Causticized ground lignite	*	*	*	*			1-15	N	N	Y
CLEANPERF	Fluid loss/damage control additive for WBM for non-PURE perforating jobs	*	*	*	*						
DI-TROL	FCA for the DIPRO system	*	*	*	*			8			
DUAL-FLO	FCA for the FLOPRO NT system	*	*	*	*			4-6	N	N	Y
DUAL-FLO HT	FCA for high-temperature applications	*	*	*	*			2-7			
DURALON	Filtration control high-temperature polymer	*	*	*	*			1-8	N	N	
ECOTROL 717D	Filtration control resin for diesel	*	*	*	*	*					
ECOTROL RD	Version of ECOTROL used in PARALAND system	*	*	*	*	*		2-4			
FLO-PLEX	FCA for the DRILPLEX system	*	*	*	*			2-6	Y	N	Y
FLO-PLEX PLUS	FCA for the DRILPLEX system	*	*	*	*						
FLO-TROL	Starch derivative for FLOPRO NT systems	*	*	*	*			2-4	Y	Y	
HIBTROL	FCA & secondary shale inhibitor	*	*	*	*			1-5	Y	N	
HIBTROL HV	FCA & secondary shale inhibitor	*	*	*	*			1.4-7	N	N	
HIBTROL ULV	Ultra-low vis FCA and secondary shale inhibitor	*	*	*	*			2.1-7			
K-17	Potassium causticized lignite	*	*	*	*			1-15	N	N	Y
LO-WATE	Acid soluble, powdered calcium carbonate	*	*	*	*			10-40	N	N	
M-1 157	Supplemental emulsifier	*	*	*	*	*		0.5-2	N	N	
M-1 GEL	Bentonite, API spec	*	*	*	*			5-35	Y	Y	
M-1 GEL SUPREME	Non-treated bentonite, API spec	*	*	*	*			5-35	N	N	Y
M-1 GEL SUPREME WYOMING	Non-treated Wyoming bentonite, API spec	*	*	*	*			5-35	N	N	Y
M-1 GEL WYOMING	API spec bentonite, sourced only from Wyoming	*	*	*	*			5-35	N	N	
M-1 PAC R	Pure PAC polymer, technical grade	*	*	*	*			2-5	Y	Y	
M-1 PAC UL	Pure PAC polymer, low viscosity	*	*	*	*			2-5	Y	Y	
M-1 SEAL	LCM for fractured or vugular formations	*	*	*	*	*		5-20	N	N	

Product name	Description	Dispersed	Nondispersed	Saturated salt	Fresh water	Oil-based	Synthetic fluid	Normal concentration usage (lb/bbl)	HOCNF classification	Prior listing available	Passed LC50 test
M-I-X II	Ground cellulose LCM and plugging agent	*	*	*	*	*		5-20	Y	Y	
MUL HTP	Primary emulsifier for negative alkalinity system	*	*	*	*	*		2-6	N	N	
MY-LO-JEL	Pregelatinized corn starch	*	*	*	*	*		4-8	Y	Y	
OILFAZE	Sacked oil-base concentrate	*	*	*	*	*		50	N	N	
PARATROL HT	High-temperature gilsonite	*	*	*	*	*					
PERF-N-PEEL	Fluid loss/damage control additive for WBM for non-PURE perforating jobs	*	*	*	*	*					
POLYPAC ELV	Extra-low viscosity PAC	*	*	*	*	*		0.5-2	Y	N	
POLYPAC R	Polyanionic cellulose	*	*	*	*	*		0.5-2	Y	Y	Y
POLYPAC SUPREME R	PAC, premium grade	*	*	*	*	*		0.5-2	Y	N	
POLYPAC SUPREME UL	PAC, premium grade, ultra-low viscosity	*	*	*	*	*		0.5-2	Y	N	
POLYPAC UL	PAC, ultra low-viscosity	*	*	*	*	*		0.5-2	Y	N	
POLY-PLUS	Liquid high M.W. PHPA polymer	*	*	*	*	*		0.5-4	Y	N	Y
POLY-PLUS DRY	Dry PHPA polymer	*	*	*	*	*		0.25-2			
POLY-PLUS LV	Low-viscosity PHPA polymer	*	*	*	*	*					
POLY-PLUS RD	Readily dispersible powdered high M.W. PHPA polymer	*	*	*	*	*		0.5-4	Y	N	Y
POLY-SAL	Non-fermenting starch	*	*	*	*	*		2-6	N	N	Y
POLY-SAL HT	High-quality, preserved polysaccharide	*	*	*	*	*		2-6			
POLY-SAL T	Non-fermenting tapioca starch derivative	*	*	*	*	*		2-6	N	N	
RESINEX	High-temperature synthetic resin	*	*	*	*	*		2-6	N	N	Y
RESINEX II	High-temperature synthetic resin	*	*	*	*	*		2-10	N	N	
RHEOCHEK	Chrome-free lignosulfonate	*	*	*	*	*		1-5	N	N	
SAFE-CARB	Sized ground marble	*	*	*	*	*		10-50	Y	N	
SAFE-LINK 110	Filtration control agent for completion fluid systems	*	*	*	*	*		.5 pail/perf ft	N	N	
SAFE-LINK 140	Filtration control agent for completion fluid systems	*	*	*	*	*		.5 pail/perf ft	N	N	
SAFE-VIS	Brine viscosifier	*	*	*	*	*		0.5-4	Y	N	
SAFE-VIS E	Liquid viscosifier for brines	*	*	*	*	*		5-10	Y	N	
SAFE-VIS HDE	Liquid viscosifier for high-density brines	*	*	*	*	*		14-29	N	N	
SAFE-VIS LE	Liquid viscosifier for brines	*	*	*	*	*		0.6-1.2 gpb			
SAFE-VIS OGS	Specially formulated liquid HEC	*	*	*	*	*		6-1.2 gpb			
SHALE-CHEK	Shale control additive	*	*	*	*	*		5	N	N	
SP-101	Sodium polyacrylate polymer	*	*	*	*	*		0.5-2	N	N	Y
TANNATHIN	Ground lignite	*	*	*	*	*		1-15	N	N	Y
THRUTROL	Organophilic starch for the FLOTHRU system	*	*	*	*	*		10-15			
TROL-PLEX	Modified starch	*	*	*	*	*					
TRUVIS	Viscosifier for TRUDRIL System	*	*	*	*	*		0-8	N	N	
UNIPAC SUPREME R	Dispersible high-viscosity PAC	*	*	*	*	*		0.25-1			
UNIPAC SUPREME UL	Dispersible regular-grade PAC	*	*	*	*	*		0.25-1			
UNITROL	Improved version of THERMPAC	*	*	*	*	*		2.5-1.5			
VERSAGEL HT	Hectorite	*	*	*	*	*		0-8	Y	N	
VERSALIG	Amine-treated lignite	*	*	*	*	*		2-12	Y	N	Y
VERSAMUL	Basic emulsifier package for oil muds	*	*	*	*	*		2-10	N	N	
VERSATROL	Naturally occurring gilsonite	*	*	*	*	*		2-8	Y	N	
VERSATROL HT	High-temperature gilsonite	*	*	*	*	*		2-8			
VERSATROL M	Medium softening point gilsonite	*	*	*	*	*		2-8			
VG-PLUS	Organophilic clay	*	*	*	*	*		2-10	Y	N	
VINSEAL	FCA & electrical stability additive	*	*	*	*	*		2-20			
XP-20 K	Potassium causticized chrome lignite	*	*	*	*	*		1-15	N	N	Y
XP-20 N	Chrome lignite, neutralized	*	*	*	*	*		1-15	N	N	
MONTELO											
MON PAC	Polyanionic cellulose	*	*	*	*	*		0.25-2			Y
MON PAC ULTRA LO	Polyanionic cellulose	*	*	*	*	*		0.25-2			Y
NEWPARK DRILLING FLUIDS											
CYBERSEAL	Fibrous seepage control agent	*	*	*	*	*		2-5			
DEEPRILL	Polymeric HTHP filtration control agent	*	*	*	*	*		1-5			
INHIBITOR	Proprietary HPWB shale inhibitor	*	*	*	*	*		3-20 vol%			
DYNAFIBER	Micronized cellulose	*	*	*	*	*					
DYNALOSE CM	Modified starch	*	*	*	*	*					
DYNALOSE W	White starch	*	*	*	*	*		2-6			
DYNALOSE Y	Yellow starch	*	*	*	*	*		2-6			
DYNANITE	Gilsonite	*	*	*	*	*		2-6			
DYNAPLEX	Resin	*	*	*	*	*		1-8			
NEWEDGE	High-grade leonardite	*	*	*	*	*		2-10			
NEWLIG	Lignite	*	*	*	*	*		2-10			
NEWPAC LV	Polyanionic cellulose	*	*	*	*	*		0.25-2			
NEWPAC R	Polyanionic cellulose	*	*	*	*	*		0.25-2			
NEWPHALT	Sulphonated asphalt	*	*	*	*	*		2-4			
NEWSPA	Polyacrylate	*	*	*	*	*					
OPTI G	Gilsonite	*	*	*	*	*		2-6			
PRIME ECO GROUP INC.											
DT-SAS	Sulfonated asphalt	*	*	*	*	*		4-10	N	N	Y
PERFOREX-XP	Proprietary HTHP for OBM	*	*	*	*	*		0.2-8			Y
QUICK SLIP	Chemically reacted cellulose	*	*	*	*	*		0.2-8			Y
TRUE SEAL	Filtration control additive for depleted zones	*	*	*	*	*		4-6 ppb			Y
PROGRESS CHEMICAL SALES											
PRO-PAC L	Polyanionic cellulose	*	*	*	*	*		1-2			
PRO-PAC R	Polyanionic cellulose	*	*	*	*	*		1-2			
PT. INDOBENT WJAYA MINERAL											
INDOBENT	Bentonite (API 13A)	*	*	*	*	*		15-25			Y
QUARON N.V.											
MC CMS HV	Carboxy methylated starch havis	*	*	*	*	*		3-7			
MC CMS LV	Carboxy methylated starch lovis	*	*	*	*	*		3-7			
MC DS	Drilling starch	*	*	*	*	*		3-7			

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MC DS FR	Drilling starch non fermenting	*	*	*	*	*		3-10			
MC DS HT	Modified starch, 160° C, 320° F	*	*	*	*	*		4-10			
MC DS HV	Modified starch, high viscous	*	*	*	*	*		2-5			
MC DS MT	Modified starch, 140° C, 280° F	*	*	*	*	*		4-10			
MC PAC PL	Pure ultraalvis PAC	*	*	*	*	*		2-5			
MC PAC PLE	Pure ultraalvis PAC equivalent	*	*	*	*	*		2-5			
MC PAC PR	Pure regular PAC	*	*	*	*	*		2-5			
MC PAC TL	Techn.ultralvis PAC	*	*	*	*	*		2-5			
MC PAC TLE	Techn.ultralvis PAC equivalent	*	*	*	*	*		2-5			
MC PAC TR	Technical regular PAC	*	*	*	*	*		2-5			
MC POL HT	Modified synth.polymer 200° C, 400° F	*	*	*	*	*		4-8			
SETAC											
BOREMASTER	HT/HP FLC, Shale Stabilizer	*	*	*	*	*		1-6		Y	
SEALONE	Non Asphaltic HT/HP FLC	*	*	*	*	*		2 to 6			
SPECIAL PRODUCTS											
PRODUCT 63	Wetting agent					*		1-4			
PRODUCT 243	Wetting agent - fluid loss					*		1-4			
Special Plug											
Special Seal											
STRATA CONTROL SERVICES, INC.											
STRATA-TROL	Preconditioned gilsonite & select resin	*	*	*	*	*		2-8 PPB		Y	
SUN DRILLING PRODUCTS											
BLACKNITE	Multi-particle gilsonite liquid dispersion	*	*	*	*	*		2%		Y	
C-MUL (PAO)	PAO ROP enhancer	*	*	*	*	*		3%		Y	
COASTALUBE (PAO)	PAO-based lubricant and ROP enhancer	*	*	*	*	*		3%		Y	
GUMBO SHIELD	Gumbo inhibitor	*	*	*	*	*		3%		Y	
SX-PLUS	Carbon seepage loss agent	*	*	*	*	*		3-6 lbs/bbl		Y	
TBC-BRINADD											
BROMATROL	Derivatized starch and CaCO3 blend	*	*	*	*	*		6-12			
BROMATROL T	Derivatized starch and CaCO3 blend	*	*	*	*	*		6-10			
FL-7 PLUS	Derivatized starch	*	*	*	*	*		1-6			
FORMATROL	Derivatized starch	*	*	*	*	*		5			
GLYSOL	Derivatized starch	*	*	*	*	*		6-10			
GLYSOL SF 400M	High molecular weight polyethylene glycol	*	*	*	*	*					
GLYTROL	Derivatized starch	*	*	*	*	*					
POLYTEX AHT	Organic polymer	*	*	*	*	*		3-7			
TETRA TECHNOLOGIES, INC.											
ACTIVIS	Liquid viscosifier	*	*	*	*	*					
BIOPOL	Dry viscosifier	*	*	*	*	*					
BIOPOL HT	Dry viscosifier	*	*	*	*	*					
BIOPOL L	Liquid viscosifier	*	*	*	*	*					
CT FOAM	Coil tubing additive	*	*	*	*	*					
HYDROGEN PEROXIDE	Oxidizer	*	*	*	*	*					
PAYZONE 750	Temperature stabilizer	*	*	*	*	*					
PAYZONE HPS	High performance starch	*	*	*	*	*					
PSEUDOPOL	Synthetic polymer	*	*	*	*	*					
PSEUDOPOL D	Synthetic polymer	*	*	*	*	*					
PSEUDOPOL HT	Dry viscosifier	*	*	*	*	*					
PSEUDOPOL HT Liquid	Hi prof liquid viscosifier	*	*	*	*	*					
TETRAVIS	Dry HEC polymer	*	*	*	*	*					
TETRAVIS BREAKER	Viscosity breaker	*	*	*	*	*					
TETRAVIS EXTENDER	Temperature stabilizer	*	*	*	*	*					
TETRAVIS L	Liquid HEC polymer	*	*	*	*	*					
TETRAVIS L PLUS	Double strength liquid HEC viscosifier	*	*	*	*	*					
TURBO-CHEM INTERNATIONAL											
PREMIUM SEAL	Micronized cellulose fiber	*	*	*	*	*		4		Y	
TURBO-PHALT	Gilsonite/resin	*	*	*	*	*		4		Y	
VENTURE CHEMICALS											
VEN-CHEM 208	Organolignite (350° F)	*	*	*	*	*		2-10		Y	
VEN-CHEM 215	Organolignite (300° F)	*	*	*	*	*		2-10		Y	
VEN-CHEM 222	Organolignite (400° F)	*	*	*	*	*		2-10		Y	
WEATHERFORD INTERNATIONAL LTD.											
DRILL-IT 300	Anionic drilling polymer	*	*	*	*	*		0.25-1 lb/bbl			
DRILL-IT 315	Anionic drilling polymer	*	*	*	*	*		0.5-3 lb/bbl			
DRILL-IT 500	Anionic drilling polymer	*	*	*	*	*		0.5 lb/bbl			
FLOCCULANTS											
AMBAR											
AMFLUSH	Surfactants and flocculants	*	*	*	*	*		0.55		Y	
STARDRILL NP-110	Nonionic PHPA	*	*	*	*	*		0.5-0.2		Y	
BAROID FLUID SERVICES											
BARAFLOC	Flocculant for drilling fluids	*	*	*	*	*		0.01-0.25		Y	
CLAY GRABBER	Liquid flocculant for HYDRO-GUARD	*	*	*	*	*		0.5-2.0		Y	
CRYSTAL-DRIL	Flocculant for clear water drilling	*	*	*	*	*		0.2-1.0			
ENVIRO-COG C	Inorganic coagulant	*	*	*	*	*		0.05-1.0			
ENVIRO-COG S	Inorganic coagulant	*	*	*	*	*		0.05-1.0			
ENVIRO-FLOC 104	Polymeric flocculant	*	*	*	*	*		0.01-0.25			
ENVIRO-FLOC 109	Polymeric flocculant	*	*	*	*	*		0.01-0.25			
EZ-FLOC	Flocculant blend	*	*	*	*	*		0.01-0.25			
FLO-CLEAN MD	Flocculant for calcium brines	*	*	*	*	*		1-3 vol%			
FLO-CLEAN Z	Flocculant for zinc brines	*	*	*	*	*		1-3 vol%			
BJ SERVICES											
WELL WASH™ 100	Casing wash for water-based fluids	*	*	*	*	*		2-20%			
WELL WASH™ 120	Casing wash for water-based fluids	*	*	*	*	*		2-20%			
WELL WASH™ 150	Casing wash for water-based fluids	*	*	*	*	*		2-20%			
WELL WASH™ 440	Casing wash for oil and synthetic mud	*	*	*	*	*		2-20%	E	Y	Y
WELL WASH™ 610G	Casing wash for oil and synthetic mud	*	*	*	*	*		2-20%	E	Y	Y
WELL WASH™ 2000	Casing wash for oil and synthetic mud	*	*	*	*	*		2-20%			

Product name	Description	Dispersed	Nondispersed	Saturated salt	Fresh water	Oil-based	Synthetic fluid	Normal concentration usage (lb/bbl)	HOCNF classification	Prior listing available	Passed LC50 test
WELL WASH™ 2020	Casing wash for oil and synthetic mud	*	*	*	*	*		10-20%			
WELL WASH™ 2050	Casing wash for oil and synthetic mud	*	*	*	*	*		2-20%			
WELL WASH™ 3000	Casing wash for oil and synthetic mud	*	*	*	*	*		2-20%			
CABOT SPECIALTY FLUIDS											
4MATE-VIS-HT	HT formate viscosifier	*	*	*	*	*		5-8	INC	Y	
DEEP SOUTH CHEMICAL											
DSC FLOC	Flocculant of clay particles in brines	*	*	*	*	*		1-2%			
DSC INC.											
VISCLEASE	Polymer emulsion/flocculant	*	*	*	*	*		1-1.0		Y	
KELCO OIL FIELD GROUP											
BEN-EX	Bentonite extender selective flocculant	*	*	*	*	*		0.025-0.04		Y	
FINNPOL 35	Partly hydrolyzed acrylamide	*	*	*	*	*		0.1-2			
FINNPOL 215	PHPA high m. w.	*	*	*	*	*		0.2			
FINNPOL 320	PHPA extreme high m. w.	*	*	*	*	*		0.2			
MF-1	Polycrylamide (nonionic)	*	*	*	*	*		0.02-0.04		Y	
MF-55	Polycrylamide (nonionic) liquid	*	*	*	*	*		0.02-0.04		Y	
KEM-TRON TECHNOLOGIES											
KAN-FLOC 500	Polycrylamide, Powder, Low Charge	*	*	*	*	*		0.1 to 0.3			
KAN-FLOC E50	Polycrylamide, Emulsion, Low Charge	*	*	*	*	*		0.1 to 0.3			
POLY-KEM D	Polycrylamide, Powder, Med. Charge	*	*	*	*	*		0.25 to 1.0			
POLY-KEM L	Polycrylamide, Emulsion, Med. Charge	*	*	*	*	*		0.5 to 2.0			
LAMBERTI SPA											
DRILBEX 19	Bentonite extender	*	*	*	*	*		0.05-0.5			
DRILLAM EL	Liquid PHPA	*	*	*	*	*		0.3-3			
EMULAMTH	OBM thinner	*	*	*	*	*		0.5-1.3			
M-I SWACO											
FILTER FLOC	Deflocculant	*	*	*	*	*		1 dm/100bbl			
FLOXIT	Organic flocculant	*	*	*	*	*		0.1-2	N	N	Y
GELX	Polymer bentonite extender	*	*	*	*	*		0.05-0.2	N	N	Y
KLA-FLOC I	Low-cost shale inhibitor for flow water drilling	*	*	*	*	*		1-4 vol%			
KLA-FLOC II	Cationic flocculant for flow water drilling	*	*	*	*	*		1-2			
POLY-PLUS	High m. w. PHPA polymer	*	*	*	*	*		0.5-4	Y	N	Y
POLY-PLUS DRY	Dry PHPA polymer	*	*	*	*	*		25-2		N	N
POLY-PLUS LV	Low-viscosity PHPA polymer	*	*	*	*	*		25-2		N	N
POLY-PLUS RD	Readily dispersible powdered high m. w. PHPA	*	*	*	*	*		0.5-4	Y	N	Y
SAFE-FLOC I	Polymer flocculant	*	*	*	*	*		0.01-2%	N	N	
SAFE-FLOC II	Surfactant flocculant	*	*	*	*	*		0.01-2%	N	N	
MONTELLA	Bentonite extender	*	*	*	*	*		0.05-0.25			Y
NEWPARK DRILLING FLUIDS											
NEWPHPA	PHPA	*	*	*	*	*		0.2-2			
NEWPHPA D	PHPA	*	*	*	*	*		0.25-1			
NEWPHPA DLMW	Low molecular weight anionic PHPA	*	*	*	*	*		1-3			
NEWPHPA DSL	Very low molecular weight PHPA	*	*	*	*	*		1-4			
SPECIAL PRODUCTS											
PRODUCT 1020	Zinc Chloride Flocculant	*	*	*	*	*		1-4			
TETRA TECHNOLOGIES, INC.											
TETRA DIRT MAGNET	Well bore cleaner	*	*	*	*	*					
WELL-FLOW TECHNOLOGIES											
DIRT MAGNET	Alcohol/surfactant blend	*	*	*	*	*				Y	
DIRT MAGNET E	Solvent/surfactant blend	*	*	*	*	*			E		
HOGWASH	Solvent/surfactant blend	*	*	*	*	*					
GELLING AGENTS/ VISCOSIFIERS											
AKZO NOBEL											
GABROIL PAC HVIS	PAC high viscosity technical (improved)	*	*	*	*	*		0.2-3		Y	
GABROIL HV	PAC high viscosity technical	*	*	*	*	*		0.2-3		Y	
GABROSA EHV	CMC extra high viscosity technical	*	*	*	*	*		0.2-4		Y	
GABROSA HVT	CMC high viscosity technical	*	*	*	*	*		0.2-4		Y	
STAFLOC REGULAR	PAC high viscosity pure	*	*	*	*	*		0.2-2		Y	
AMBAR											
AMGEL	Bentonite	*	*	*	*	*		6-35		Y	
AMGEL NT	Bentonite, non-treated	*	*	*	*	*		6-35		Y	
AMSEAGEL	Attapulgite	*	*	*	*	*		6-35		Y	
AMTROL	Viscosifier - liquid	*	*	*	*	*		0.25-4		Y	
AMZINC VIS I	Liquid viscosifier	*	*	*	*	*		3%			
AMZINC VIS II	Liquid viscosifier	*	*	*	*	*		3			
AMZINC VIS III	Liquid viscosifier	*	*	*	*	*		3			
CHEM-X II	Xanthan gum polymer	*	*	*	*	*		0.25-4		Y	
ECOGEL H	Organophilic hectorite viscosifier	*	*	*	*	*		4-10		Y	
ECOGEL M	Organophilic clay	*	*	*	*	*		4-10			
XC POLYMER	Xanthan gum	*	*	*	*	*		0.25-4		Y	
XCD POLYMER	Xanthan gum	*	*	*	*	*		0.25-4		Y	
AQUALON											
AQUACEL R-190	High viscosity Carboxymethyl cellulose	*	*	*	*	*		0.25-2		Y	Y
AQUAFLO HV	Low viscosity Standard Poly-anionic cellulose	*	*	*	*	*		0.25-2		Y	Y
AQUAPAC LIQUID	Environmental friendly anhydrous AquaPAC suspension	*	*	*	*	*		0.50-4	D	Y	Y
AQUAPAC REGULAR	High viscosity Premium Poly-anionic cellulose	*	*	*	*	*		0.25-2		Y	Y
ECODURA	PLONOR rated aqueous HEC suspensions	*	*	*	*	*		1-10		Y	Y
GALACTASOL 251	High viscosity straight guar	*	*	*	*	*		0.25-2		Y	Y
GALACTASOL 252	Straight guar	*	*	*	*	*		0.25-2		Y	Y
GALACTASOL 255	Coarse-grind Straight guar	*	*	*	*	*		0.25-2		Y	Y
GALACTASOL 267	Diesel slurriable guar	*	*	*	*	*		0.25-2		Y	Y
GALACTASOL 271	Self hydrating dispersible straight guar	*	*	*	*	*		0.25-2		Y	Y
GALACTASOL 281	Diesel slurriable high viscosity guar	*	*	*	*	*		0.25-2		Y	Y

Product name	Description	Dispersed	Nondispersed	Saturated salt	Fresh water	Oil-based	Synthetic fluid	Normal concentration usage (lb/bbl)	HOCNF classification	Prior listing available	Passed LC50 test
GALACTASOL 283	Fast Hydrating High Viscosity guar	*	*	*	*			0.25-2	Y	Y	
GALACTASOL 467	Diesel slurriable Hydroxypropyl guar	*	*	*	*			0.25-2	Y	Y	
GALACTASOL 474	High viscosity Hydroxypropyl guar	*	*	*	*			0.25-2	Y	Y	
GALACTASOL 476	Buffered High viscosity Hydroxypropyl guar	*	*	*	*			0.25-2	Y	Y	
GALACTASOL 477	Self hydrating dispersible Hydroxypropyl guar	*	*	*	*			0.25-2	Y	Y	
GALACTASOL 638	Fast hydrating high viscosity Carboxymethyl Hydroxypropyl guar	*	*	*	*			0.25-2	Y	Y	
GALACTASOL 650	Carboxymethyl Hydroxypropyl guar with adipic acid	*	*	*	*			0.25-2	Y	Y	
GALACTASOL 651	Carboxymethyl Hydroxypropyl guar	*	*	*	*			0.25-2	Y	Y	
GALACTASOL 653	Diesel slurriable Carboxymethyl guar	*	*	*	*			0.25-2	Y	Y	
NATROSOL 210 HHX	Ultra High viscosity and Fast hydrating HEC	*	*	*	*			0.5-2.5	Y	Y	
NATROSOL 250 HHR-P	Ultra High viscosity HEC	*	*	*	*			0.5-2.5	Y	Y	
NATROSOL LIQUID	Environmental friendly anhydrous HEC suspension	*	*	*	*			1-5	D	Y	Y
NATROSOL HI-VIS	Ultra High viscosity HEC	*	*	*	*			0.5-2.5	Y	Y	
ARCHER DANIELS MIDLAND											
OPTIXAN D	Dispersed Xathan gum biopolymer	*	*	*	*			0.25-2.0		Y	
OPTIXAN PLUS	Dispersed Xathan gum biopolymer - mid grade	*	*	*	*			0.25-2.0		Y	
OPTIXAN T PLUS	Clarified dispersed Xathan gum biopolymer	*	*	*	*			0.25-2.0	Y		
OPTIXAN T ULTRA	Clarified dispersed Xathan gum biopolymer - high grade	*	*	*	*			0.25-2.0	Y		
OPTIXAN ULTRA	Dispersed Xathan gum biopolymer - high grade	*	*	*	*			0.25-2.0		Y	
BAKER HUGHES DRILLING FLUIDS											
CARBO-GEL	Organophilic hectorite viscosifier for solids suspension					*	*	1-5			
CARBO-GEL II	Organoclay viscosifier					*	*	4-8			
CARBO-GEL 100	Organoclay viscosifier for all oil-base systems					*	*				
CARBO-VIS	Organophilic clay viscosifier for solids suspension					*	*	1-6			
CARBO-VIS XHT	HPHT viscosifier					*	*	1-6			
MAGMA-GEL	Viscosifier for HPHT emulsion systems					*	*				
MAGMA-GEL SE	Suspension Enhancer					*	*				
MILGEL	Wyoming bentonite meeting API specifications	*	*	*	*			0-25		Y	
MILGEL NT	Untreated Wyoming bentonite meeting API specs	*	*	*	*			0-25		Y	
OMNI-PLEX	High-performance, anionic, synthetic polymer					*	*				
RHEO-CLAY	Fast yielding organophilic clay					*	*	2-4			
RHEO-CLAY PLUS	Premium Organophilic Clay					*	*				
RHEO-LINE	Rheological modifier for the RHEO-LOGIC system					*	*				
RHEO-SWEEP	Polymer Viscosifier					*	*				
SALT WATER GEL	Attapulgite clay meeting API specifications	*	*	*	*			20		Y	
SUPER-COL	Extra-high-yield bentonite	*	*	*	*			0.5-5		Y	
W.O. 21L	Liquid HEC viscosifier	*	*	*	*			0.15-2.1 gal/bbl			
W.O. 21LE	Liquid HEC viscosifier for workover fluids - environmentally safe	*	*	*	*			0.3-1 gal/bbl			
XAN-PLEX D	Xanthan gum polymer	*	*	*	*			0.2-2		Y	
XAN-PLEX L	Liquid xanthan gum polymer	*	*	*	*			0.5-3.5			
BAROID FLUID SERVICES											
AQUAGEL	Wyoming bentonite	*	*	*	*			5.0-25.0	Y	Y	Y
AQUAGEL GOLD SEAL	Untreated Wyoming bentonite	*	*	*	*			5.0-25.0	Y	Y	Y
BARACTIVE	Polar activator for all-oil systems	*	*	*	*			4.0-7.0	Y	Y	Y
BARADRIL-VIS	Biopolymer	*	*	*	*			0.2-2.0			
BARAPAK	Oil-soluble polymer	*	*	*	*			2.0-3.0		Y	
BARARESIN-VIS	Oil soluble viscosifier	*	*	*	*			3-20	Y		
BARAVIS	HEC/ water and brine viscosifier	*	*	*	*			1-3	Y	Y	
BARAZAN	Xanthan gum	*	*	*	*			0.1-2.0	Y	Y	Y
BARAZAN D	Dispersion enhanced xanthan gum	*	*	*	*			0.1-2.0	Y	Y	Y
BARAZAN L	Xanthan suspension	*	*	*	*			0.5-4.0	Y		
BARAZAN D PLUS	Premium dispersion-enhanced xanthan	*	*	*	*			0.1-2.0	Y	Y	Y
BAROLIFT	Synthetic monofilament fiber	*	*	*	*			0.1-0.5	Y	Y	Y
BORE-VIS II	Modified bentonite-BOREMAX system	*	*	*	*			5.0-15.0			
BROMI-VIS	Pre-dispersed polymer suspension	*	*	*	*			5.0-20.0		Y	
GELTONE	Oil mud viscosifier	*	*	*	*			2.0-5.0		Y	
GELTONE II	Oil mud viscosifier	*	*	*	*			2.0-15.0	Y	Y	
GELTONE IV	Oil mud viscosifier	*	*	*	*			1.0-15.0			
GELTONE V	Oil mud viscosifier	*	*	*	*			1.0-15.0			
LIQUI-VIS EP	Non-ionic polymer dispersion	*	*	*	*			0.2-9.0		Y	
MUD GEL	Treated, premium grade sodium bentonite	*	*	*	*			2.0-25.0			
N-SOLATE 275, 400, 600 VIS	Thermal insulating packer fluid viscosifiers	*	*	*	*			2-15			
N-SOLATE 275 XLINK	Thermal insulating packer fluid cross-linker	*	*	*	*			2-15			
N-SOLATE 400 XLINK 1 and 2	Thermal insulating packer fluid cross-linkers	*	*	*	*			<0.1			
N-VIS	Biopolymer	*	*	*	*			1.0-3.0		Y	
N-VIS HI	Mixed metal silicates	*	*	*	*			1	Y		
N-VIS HI PLUS	Mixed metal hydroxides	*	*	*	*			1	Y		
N-VIS L	Liquid xanthan gum	*	*	*	*			0.2-9.0			
N-VIS O	Organophilic clay	*	*	*	*			1.0-6.0			
N-VIS P PLUS	Polymer Blend	*	*	*	*			1.0-4.0	Y	Y	
QUIK-GEL	High yield bentonite	*	*	*	*			5-20			
RHEMOD L	Modified fatty acid	*	*	*	*			1.0-4.0	Y	Y	
RHEOBOOST	Oil mud viscosifier	*	*	*	*			0.5-4.0		Y	
RM-63	Rheology modifier	*	*	*	*			0.5-2.0	Y	Y	

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SUSPENTONE	Organophilic clay	*	*	*	*			0.1-5.0	Y		Y
TAU-MOD	Amorphous/fibrous material	*	*	*	*			0.5-5.0			
TEMPERUS	Modified fatty acid	*	*	*	*			0.25-2.5			
THERMA-VIS	Synthetic inorganic viscosifier	*	*	*	*			1.0-4.0	Y	Y	
X-TEND II	Bentonite extender	*	*	*	*			0.01-0.05			Y
VIS-PLUS	Organic viscosifier	*	*	*	*			1.0-5.0			Y
ZEOGEL	Attapulgite	*	*	*	*			5.0-30.0	Y	Y	Y
BASF											
BIOFLOW	Xanthan gum	*	*	*	*			1-6	Y	Y	Y
BIOVIS	Temp. stable biopolymer	*	*	*	*			1-3	Y	Y	Y
POLYVIS II	Mixed metal hydroxide-based viscosifier	*	*	*	*			0.3-1	Y	Y	Y
BJ SERVICES											
BD-VIS 114	Drill-in fluid viscosifier	*	*	*	*			0.5-1.5			Y
BD-VIS 130	Drill-in fluid viscosifier	*	*	*	*			0.5-1.5			Y
QUICK VIS	Liquid brine viscosifier - multi-salt systems	*	*	*	*			As needed	E	Y	Y
QUICK VIS HT	Liquid brine viscosifier - HT environment	*	*	*	*			As needed	E	Y	Y
ULTRAVIS	Liquid brine viscosifier - single salt systems	*	*	*	*			As needed	E	Y	Y
VIS	Pure synthetic polymer	*	*	*	*			0.2-4.0	E	Y	Y
XANVIS L	Liquid viscosifier for brine or fresh water	*	*	*	*			0.125-.75 gpb	E	Y	Y
XCD POLYMER	Fresh or brine-water viscosifier	*	*	*	*			0.5-3.0	E	Y	Y
BOYSENBLUE/CELTEC INTERNATIONAL											
SPUD SEAL	Viscosifier and hole cleaner	*	*	*	*			30			Y
CABOT SPECIALTY FLUIDS											
4 MATE-VIS-HT	High temperature formate viscosifier	*	*	*	*			4-8			
CHANDLER											
ALPHA D1	OrganoClay	*	*	*	*			1.0-5.0			
ALPHA VIS 7	Liquid OBM Viscosifier	*	*	*	*			5 - 3.0			
CHEMSTAR PRODUCTS											
EXSTAR HT	HT viscosifier	*	*	*	*			5			Y
STARPAK	Carboxy methyl starch	*	*	*	*			5			
STARPAK II	Carboxy methyl starch	*	*	*	*			4			
STARPAK DP	Carboxy methyl starch	*	*	*	*			4			
COGNIS											
DEHYDRIL HT	Synthetic silicate	*	*	*	*			0.5-2.5			
TERRADRIL RM 300	Rheology modifier	*	*	*	*			1-5			
TERRADRIL RM 787	Mixed metal silicate	*	*	*	*			0.1-0.25			
TERRADRIL RM 1075	Low end rheology modifier	*	*	*	*			0.5-2			
CRODA		*	*	*	*						
HYPERMER A70	Emulsifier for oil based muds	*	*	*	*			1-5%			
HYPERMER B246SF	Emulsifier for oil based muds	*	*	*	*			1-5%			
DEEP SOUTH CHEMICAL											
DSC LINEAR GEL E	Non-ionic pure hydroxyethyl cellulose	*	*	*	*			0.5-3			
DSC XANVIS E	Liquid Xanvis polymer	*	*	*	*			0.5-3			
LIQUID GUAR E	Liquid viscosifiers using unmodified guar	*	*	*	*			0.04			Y
QUICK VIS EXTENDER 75	Enhances thermal stability of HEC	*	*	*	*			0.3-0.4			
DRILLING SPECIALTIES COMPANY											
CLARIZAN	High viscosity clarified biopolymer	*	*	*	*			0.25-2.0	E	Y	Y
CLARIZAN BIOPOLYMER	High viscosity clarified biopolymer	*	*	*	*			0.25-2.0			Y
DRILLPAC HV POLYMER	High viscosity polyanionic cellulose	*	*	*	*			0.25-2.5		Y	Y
DRILLPAC LV POLYMER	Low viscosity polyanionic cellulose	*	*	*	*			0.25-2.5		Y	Y
DRILLZAN D BIOPOLYMER	Economical high viscosity biopolymer	*	*	*	*			0.25-2.0		Y	Y
DRISCAL D POLYMER	High temperature synthetic polymer	*	*	*	*			0.5-2.5		Y	Y
DRISPAC PLUS REGULAR	Dispersable HV polyanionic cellulose	*	*	*	*			0.25-2.5		Y	Y
DRISPAC PLUS SUPERLO	Dispersable LV polyanionic cellulose	*	*	*	*			0.25-2.5		Y	Y
DRISPAC REGULAR POLYMER	High viscosity polyanionic cellulose	*	*	*	*			0.25-2.5		Y	Y
DRISPAC SUPERLO POLYMER	Low Viscosity polyanionic cellulose	*	*	*	*			0.25-2.5		Y	Y
FLOWZAN BIOPOLYMER	High viscosity biopolymer	*	*	*	*			0.25-2.0		Y	Y
GREENBASE LIQUID BIOPOLYMER	High viscosity polyanionic cellulose	*	*	*	*			0.5-4.0		Y	Y
GREENBASE LIQUID FLOWZAN BIOPOLYMER	High viscosity biopolymer	*	*	*	*			0.5-4.0		Y	Y
GREENBASE LIQUID HEC POLYMER	High viscosity pure hydroxyethyl cellulousic polymer	*	*	*	*			0.5-5.0		Y	Y
LIQUID DRISPAC POLYMER	High viscosity polyanionic cellulose	*	*	*	*			0.5-4.0			
LIQUID FLOWZAN BIOPOLYMER	High viscosity biopolymer	*	*	*	*			0.5-4.0			
LIQUID HEC POLYMER	High viscosity pure hydroxyethyl cellulousic polymer	*	*	*	*			0.5-5.0			
DRILLSAFE JANEL											
BENTONITE	OCMA bentonite	*	*	*	*						
MULTIVIS A	Cellulosic viscosifier	*	*	*	*			0.1-0.5			
MULTIVIS S	Modified polysaccharide	*	*	*	*			0.05-0.1			
SALT GEL	Salt water drilling clay	*	*	*	*						
DSC INC.											
VISCEASE	Blended polymer emulsion	*	*	*	*			0-2			
ECOFLUIDS											
ECO-EX	Rheology Control	*	*	*	*			2			
ECO OBGEL	Orgnophylic clay	*	*	*	*			2-10 ppb			

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ECO PBGEL	Organophilic clay							2-10 ppb			
ECOFLO	Xanthan gum	*	*	*	*	*	*	25-1 ppb			Y
ECOMOD	Oil mud viscosifier							0.25-2 ppb			
GUMPRO CHEMICALS											
GEL BEN	Bentonite	*	*	*	*	*	*	10-25			Y
IMPACT FLUID SOLUTIONS											
DWC 2000	Shear-thinning, non-damaging viscosifier	*	*	*	*	*	*	4.0-6.0		Y	Y
KELCO OIL FIELD GROUP											
BIOZAN	Welan gum	*	*	*	*	*	*	0.75-2			Y
CELPOL R	Purified PAC high visc	*	*	*	*	*	*	0.25-2		Y	Y
CELPOL RX	Purified PAC high visc	*	*	*	*	*	*	0.25-2		Y	Y
CELPOL SL	Purified PAC low visc	*	*	*	*	*	*	0.25-2		Y	Y
CELPOL SLX	Premium purified PAC low visc	*	*	*	*	*	*	0.25-2		Y	Y
FINNFX BOL	Middle visc tech CMC	*	*	*	*	*	*	2-3		Y	Y
FINNFX HC	High visc tech CMC	*	*	*	*	*	*	2-3		Y	Y
FINNFX LC	Low visc tech CMC	*	*	*	*	*	*	2-3		Y	Y
FINNFX RC	Middle visc tech CMC	*	*	*	*	*	*	2-3		Y	Y
GEOVIS XT	Diutan temperature tolerant biopolymer	*	*	*	*	*	*	0.4-1.5			Y
KELZAN L	Liquid Xanthan slurry	*	*	*	*	*	*	0.75-2		Y	Y
KELZAN XC POLYMER	Xanthan gum biopolymer	*	*	*	*	*	*	0.75-2		Y	Y
KELZAN XCD POLYMER	Dispersible Xanthan biopolymer	*	*	*	*	*	*	0.75-2		Y	Y
XANVIS L	Refined clarified liquid Xanthan slurry	*	*	*	*	*	*	0.75-2			Y
XANVIS POLYMER	Clarified Xanthan biopolymer	*	*	*	*	*	*	0.75-2		Y	Y
KEM-TRON TECHNOLOGIES											
KEM-VIS	Polycrylamide, Emulsion Form, AF	*	*	*	*	*	*	0.25-2			
LAMBERTI SPA											
BIOLAM XA	Biopolymer based viscosifier	*	*	*	*	*	*	0.2-2			Y
BIOLAM XA/D	Dispersible biopolymer derivative viscosifier	*	*	*	*	*	*	0.2-2			Y
BIOLAM XG	Xanthan gum	*	*	*	*	*	*	0.2-2			Y
BIOLAM XT	Biopolymer based viscosifier	*	*	*	*	*	*	0.2-2			Y
CARBOCEL EHV	Tech grade, extra high vis. CMC OCMA/API	*	*	*	*	*	*	0.2-4			Y
CARBOCEL EHV-P	Pure grade, extra high vis. CMC	*	*	*	*	*	*	0.2-3			Y
CARBOCEL EHV-S	Semipure grade, extra high vis. CMC	*	*	*	*	*	*	0.2-3			Y
CARBOCEL HV	Tech. grade, high vis. CMC	*	*	*	*	*	*	0.2-4			Y
CARBOCEL HV-P	Pure grade, high vis. CMC	*	*	*	*	*	*	0.2-3			Y
CEPAC REGULAR	High vis. poly-anionic cellulose	*	*	*	*	*	*	0.2-3			Y
DRILBEX 19	Bentonite extender	*	*	*	*	*	*	0.5-5			Y
DRILLAM EL	Liquid PHPA	*	*	*	*	*	*	0.3-3			Y
EMULAM RM	Rheology modifier	*	*	*	*	*	*	1-4			Y
EMULAM TRM	Temporary rheology modifier anti-sagging	*	*	*	*	*	*	1-4			Y
K PAC REGULAR	Potassium high vis. poly-anionic cellulose	*	*	*	*	*	*	0.2-3			Y
LAMGUM 200	High vis. guar gum	*	*	*	*	*	*	0.2-4			Y
LAMPAC CHR	Premium high vis. poly-anionic cellulose	*	*	*	*	*	*	0.2-2			Y
LAMPAC REGULAR	High vis. poly-anionic cellulose	*	*	*	*	*	*	0.2-2			Y
POLYFLOS HM 22	Non ionic modified natural polymer	*	*	*	*	*	*	1-3			Y
PREMPAC REGULAR	High vis. poly-anionic cellulose	*	*	*	*	*	*	0.2-2.5			Y
LAMBERTI USA											
BIOLAM CX	Polymer based viscosifier	*	*	*	*	*	*	0.5-3			
BIOLAM K	Polymer based viscosifier	*	*	*	*	*	*	0.5-3			
CMC EHV	Carboxymethyl cellulose extremely high viscosity	*	*	*	*	*	*	0.5-4			
EMULAM FMR	Rheology Modifier fro Invert muds	*	*	*	*	*	*	0.5-3			
EMULAM RM3	Rheology Modifier for Invert muds	*	*	*	*	*	*	0.5-3			
EMULAM VIS	Organoclay	*	*	*	*	*	*	1-10			
EMULAM V-PLUS	Organoclay	*	*	*	*	*	*	1-8			
LAMGUM 700	Guar Gum based viscosifier	*	*	*	*	*	*	1-3			
POLYFLOS G7F	Liquid Guar	*	*	*	*	*	*	0.5-4			
LIQUID CASING											
WORKOVER	Non-damaging polymers	*	*	*	*	*	*	2			
WORKOVER 2000	Non-damaging polymers	*	*	*	*	*	*	2			
MAYCO WELLCHEM											
MAYCO HELP	Polymer temperature extender	*	*	*	*	*	*	1-5			
MAYCO LIVIS	Liquid viscosity agent	*	*	*	*	*	*	1-6			
MAYCO VIS EXTRA	Viscosity control agent	*	*	*	*	*	*	1-3			
M-I SWACO											
DI-BALANCE	Viscosifier for the DIPRO system	*	*	*	*	*	*	0.25-2			
DI-BOOST	Secondary viscosifier for DIPRO system	*	*	*	*	*	*	0.03-0.06 gpb			
DRILPLEX	Viscosifier for DRILPLEX system	*	*	*	*	*	*	1-3			Y
DUO-TEC	Xanthan gum polymer	*	*	*	*	*	*	0.25-2		Y	N
DUO-TEC NS	Xanthan gum polymer, non-dispersible for North Sea use	*	*	*	*	*	*	0.25-2		Y	N
DUO-VIS	Xanthan gum polymer	*	*	*	*	*	*	0.25-2		Y	N
DUO-VIS L	Liquidified Xanthan gum, non-clarified	*	*	*	*	*	*	0.25-0.5		Y	N
DUO-VIS NS	Xanthan gum, non-dispersible for North Sea use	*	*	*	*	*	*	0.25-2		Y	N
DUO-VIS PLUS	Xanthan gum	*	*	*	*	*	*	0.25-2		Y	N
DUO-VIS PLUS NS	Xanthan gum, non-dispersible for North Sea use	*	*	*	*	*	*	0.25-2		Y	N
DUROGEL	Sepiolite clay	*	*	*	*	*	*	5-35		N	Y
FLO-VIS L	Liquid clarified Xanthan gum	*	*	*	*	*	*	0.25-0.5 gpb			
FLO-VIS NT	Non-dispersible, non-clarified Xanthan gum	*	*	*	*	*	*	0.25-1.5			
FLO-VIS PLUS	Premium clarified Xanthan for FLOPRO NT systems	*	*	*	*	*	*	0.75-2.25		N	N
GELX	Polymer bentonite extender	*	*	*	*	*	*	0.05-0.2		N	Y
GELPLEX	Viscosifier for the DRILPLEX system	*	*	*	*	*	*	7-10			
HIBTROL HV	Fluid loss additive and secondary shale inhibitor	*	*	*	*	*	*	1.4-7			
HRP	Liquid viscosifier & gelling agent for oil muds	*	*	*	*	*	*	1-6		N	N

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M-I GEL	Premium grade treated Wyoming bentonite	*	*	*	*	*	*	5-35		Y	Y
M-I GEL SUPREME	Non-treated bentonite, API spec	*	*	*	*	*	*	5-35		N	N
M-I GEL SUPREME WYOMING	Non-treated API Wyoming bentonite	*	*	*	*	*	*	5-35		N	N
M-I GEL WYOMING	API-spec bentonite Wyoming source only	*	*	*	*	*	*	5-35		N	N
M-I PAC R	Pure PAC polymer, regular grade	*	*	*	*	*	*	2-5		Y	Y
NOVAMOD	Low-shear rate viscosifier	*	*	*	*	*	*	1-5		N	N
NOVATEC M	Low-end rheology modifier	*	*	*	*	*	*	1-3		N	N
POLYPAC R	Polyanionic cellulose	*	*	*	*	*	*	0.5-2		Y	Y
POLYPAC SUPREME R	Polyanionic cellulose, premium grade	*	*	*	*	*	*	0.5-2		Y	N
POLY-SAL	Non-fermenting starch	*	*	*	*	*	*	2-6		N	N
POLY-SAL HT	High-quality, preserved polysaccharide	*	*	*	*	*	*	2-6			
POLY-SAL T	Non-fermenting tapioca starch derivative	*	*	*	*	*	*	2-6		N	N
RHEBUILD	Viscosifier for RHELIANT system	*	*	*	*	*	*	0.25-0.5			
RHEFLAT	Rheology modifier for the RHELIANT system	*	*	*	*	*	*	0.5-3			
RHETHIK	Rheology modifier for the RHELIANT system	*	*	*	*	*	*	0.25-1			
SAFE-VIS	HEC	*	*	*	*	*	*	0.5-4		Y	N
SAFE-VIS E	Liquid HEC	*	*	*	*	*	*	5-10		Y	N
SAFE-VIS HDE	Liquid HEC for high-density brines	*	*	*	*	*	*	14-29		N	N
SAFE-VIS LE	Liquid viscosifier for brines	*	*	*	*	*	*	0.6-1.2 gpb			
SAFE-VIS OGS	Specially formulated liquid HEC	*	*	*	*	*	*	6-1.2 gpb			
SALT GEL	Attapulgite clay	*	*	*	*	*	*	5-35		Y	Y
SUPRAVIS	Viscosifier for the ULTRADRIL system	*	*	*	*	*	*	0.25-2			
SUREMOD	Viscosifier for SBM systems	*	*	*	*	*	*	1-4		N	N
SURETHIK	Rheological modifier	*	*	*	*	*	*	0.25-1		N	N
TARVIS L	Liquid viscosifier for the SAGDril system	*	*	*	*	*	*	0.25-5 gpb		N	N
TRUVIS	Primary viscosifier for TRUDRIL systems	*	*	*	*	*	*	0-8		N	N
UNIPAC SUPREME R	Dispersible, high-viscosity PAC	*	*	*	*	*	*	0.25-1			
VERSAGEL HT	Hectorite	*	*	*	*	*	*	0-8		Y	N
VERSAMOD	Oil mud gelling agent and viscosifier	*	*	*	*	*	*	1-3		N	N
VERSAMUL	Primary emulsifier and wetting agent	*	*	*	*	*	*	2-10		N	N
VERSAPAC	Thermally activated organic thixotrope	*	*	*	*	*	*	5-30		N	N
VG-69	Organophilic clay	*	*	*	*	*	*	2-10		N	N
VG-PLUS	Improved organophilic clay	*	*	*	*	*	*	2-10		Y	N
VG-SUPREME	Organophilic clay for the NOVA systems	*	*	*	*	*	*	2-10			
NEWARK DRILLING FLUIDS											
CYBERVIS	Organo-bentonite	*	*	*	*	*	*	2-4			
CYBERVIS DW	Polymeric rheological modifier	*	*	*	*	*	*	0.25-2.5			
CYBERVIS HT	Organo-hectorite	*	*	*	*	*	*	4-8			
CYBERVIS RM	Polymeric rheological modifier	*	*	*	*	*	*	<4			
DEEPPVIS	Sepiolite	*	*	*	*	*	*				
NEWGEL	Montmorillonite	*	*	*	*	*	*	5-30			
NEWGEL NT	Untreated montmorillonite	*	*	*	*	*	*	5-30			
NEWPHPA	PHPA	*	*	*	*	*	*	0.2-2			
NEWPHPA D	PHPA	*	*	*	*	*	*	0.25-1			
NEWZAN	Biopolymer	*	*	*	*	*	*				
NEWZAN L	Biopolymer	*	*	*	*	*	*				
OPTIVIS	Organo-bentonite	*	*	*	*	*	*	1-6			
OPTIVIS HT	Organo-hectorite	*	*	*	*	*	*	1-6			
OPTIVIS RM	Polymeric rheological modifier	*	*	*	*	*	*	<4			
PRIME ECO GROUP INC.											
BIOGUM	Xanthan gum	*	*	*	*	*	*				
VISCLAY-R	Bentonite extender for high & normal applications	*	*	*	*	*	*	0.75-1.25			Y
PROGRESS CHEMICAL SALES											
PRO-GEL	API bentonite	*	*	*	*	*	*	5-35			
PRO-VIS	Polycrylamide	*	*	*	*	*	*				
RAPID-VIS	Liquid HEC	*	*	*	*	*	*	0.5			
PT. INDOBENT WJAYA MINERAL											
INDOBENT	Bentonite (API 13A)	*	*	*	*	*	*	15-25			Y
QUARON N.V.											
MC FVIS	Viscosifier for bentonite free systems	*	*	*	*	*	*	3-6			
SETAC											
LIQU-HEC	Liquid HEC	*	*	*	*	*	*	1-6			
SETA-VIS	High temperature bio-polymer	*	*	*	*	*	*	0.5-3			
SUN DRILLING PRODUCTS											
SUNSWEEP	Mechanical hole cleaning agent	*	*	*	*	*	*	0.1-0.2 bs/bbl			Y
TBC-BRINADD											
FORMAVIS ULTRA K	Xanthan gum biopolymer	*	*	*	*	*	*	0.5-1.5			
GLYSOL SF 400M	High molecular weight polyethylene glycol	*	*	*	*	*	*				
GLYSOL-DRIL	Xanthan gum biopolymer and CaCO3	*									

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PSEUDOPOL HT LIQUID	Hi prof liquid viscosifier			*	*						
TDSP I <12 LB/GAL	Viscosified weighted spacer	*	*	*	*	*					
TDSP I <15 LB/GAL	Viscosified weighted spacer	*	*	*	*	*					
TDSP I <19 LB/GAL	Viscosified weighted spacer	*	*	*	*	*					
TDSP III - 11.6 CACL2	Viscosified sweep	*	*	*	*	*					
TDSP III - FRESHWATER	Viscosified sweep	*	*	*	*	*					
TDSP III - SALTWATER	Viscosified sweep	*	*	*	*	*					
TETRA HELP	Temperature extender - basic amine-glycol mixture			*	*						
TETRAFLEX 110 POLYMER	Cross Linked Gelled polymer	*	*	*	*						
TETRAFLEX 135 POLYMER	Cross Linked Gelled polymer	*	*	*	*						
TETRAVIS	Dry HEC polymer	*	*	*	*					Y	
TETRAVIS EXTENDER	Temperature stabilizer			*	*						
TETRAVIS L	Liquid HEC polymer	*	*	*	*					Y	
TETRAVIS L PLUS	Double strength liquid HEC viscosifier	*	*	*	*						
TURBO-CHEM INTERNATIONAL											
SWEILCM	Gelled, swelling, sealing agent	*	*	*	*	*					Y
WEATHERFORD INTERNATIONAL LTD.											
HGA-37	Hydrocarbon base gelling agent					*	0.5-1.0%				
HGA-44	Cross-linker for HGA-37 and HGA-715					*	0.5-1.0%				
HGA-48	Cross-linker for HGA-37, 70, 702					*	0.5-1.0%				
HGA-61	Delayed cross-linker for HGA-70, 71, 702					*	0.5-1.0%				
HGA-65	Cross-linker for HGA-70, -71, -702					*	0.3-1.0%				
HGA-70	Hydrocarbon base gelling agent, HT					*	0.3-1.0%				
HGA-71	Hydrocarbon base gelling agent, HT					*	0.3-1.0%				
HGA-702	Hydrocarbon base gelling agent, HT					*	0.3-1.0%				
HGA-715	Hydrocarbon base gelling agent					*	0.5-1.0%				
HGA-S61	Cross-linker for HGA-70, 71, 702					*	0.5-1.0%				
POLYMER K	Water-soluble drilling polymer					*	1.5-3 lbs/bbl				
WGA-1	Water gelling agent	*	*	*	*		1-8			Y	
WGA-2	Water gelling agent	*	*	*	*		1-8			Y	
LOSS CIRCULATION, SEALING MATERIALS											
AMBAR											
AMCARB	Calcium carbonate	*	*	*	*		30			Y	
AMCARB (C)	Calcium carbonate	*	*	*	*						
AMCARB (F)	Calcium carbonate	*	*	*	*						
AMFIBER	Ground plant fibers	*	*	*	*		4			Y	
AMMICA	Mica	*	*	*	*		25			Y	
AMPLUG	Granular nutshells	*	*	*	*		20			Y	
AMSEAL	Surface modified cellulose derivative	*	*	*	*					Y	
AMTROL	Viscosifier liquid	*	*	*	*		0.25-4				
AMVIS	Viscosifier	*	*	*	*		0.25-4 dry powder				
KWIK SEAL	Granules, flakes, fibers	*	*	*	*		25			Y	
MAGMA FIBER LCM	Lost circulation material	*	*	*	*		5-25				
STARPLUG	Crosslink polymer blend	*	*	*	*		Pill Form				
STARSQUEEZE	Crosslink polymer blend	*	*	*	*		Pill Form				
SURSEAL	Graded carbon compound	*	*	*	*						
BAKER HUGHES DRILLING FLUIDS											
CARBO-SEAL	Modified hydrocarbon LCM for oil-base, synthetic-base and water-base systems	*	*	*	*	*			Y		
CHEK-LOSS	Seepage loss control and differential sticking preventative for fractured zones or porous sandstones	*	*	*	*	*	2-7		Y		
CHEK-LOSS COARS	Seepage loss control and differential sticking preventative for fractured zones or porous sandstones	*	*	*	*	*	2-7		Y		
CHEK-LOSS PLUS	High-lignin cellulosic LCM particularly for OBM/NAF with less adverse effect on PV and ES	*	*	*	*	*					
FLOW-CARB SERIES	Sized ground calcium carbonate	*	*	*	*						
LC-LUBE	Sized graphite	*	*	*	*	*	2-8		Y		
LC-LUBE FINE	Sized, synthetic graphite	*	*	*	*	*	2-8		Y		
MIL-CARB SERIES	Sized ground calcium carbonate	*	*	*	*	*	1-50		Y		
MIL-CEADAR FIBER	Shredded cedar bark	*	*	*	*	*	5-10		Y		
MIL-FIBER	Shredded cane fiber	*	*	*	*	*	5-10		Y		
MILFLAKE	Shredded cellophane	*	*	*	*	*	5-10		Y		
MILMICA	Muscovite mica	*	*	*	*	*	5-10		Y		
MIL-PLUG	Ground nut shells	*	*	*	*	*	5-10		Y		
MIL-SEAL	Blended LCM product available in three grind sizes	*	*	*	*	*	5-10		Y		
SOLUFLAKE SF, F, M	Flaked calcium carbonate	*	*	*	*	*	2-8		Y		
SOLU-SQUEEZE W.O. 30	Acid-soluble LCM	*	*	*	*	*			Y		
WO-30 SUPER COARSE	Sized, ground calcium carbonate (Multiple grind sizes available)	*	*	*	*	*					
X-LINK	Calcium carbonate	*	*	*	*	*					
X-LINK ACR	Cross-linked polymer system	*	*	*	*	*					
X-LINK ACR	Accelerator for X-Link system	*	*	*	*	*					
X-LINK RTR	Retarder for X-Link system	*	*	*	*	*					
BAROID FLUID SERVICES											
BARACARB 5, 25, 50, 150, 600, 1200	Sized acid-soluble ground marble	*	*	*	*	*	5-60		Y	Y	Y
BARACARB DF 5, 25, 50, 150, 600	Sized calcium carbonate	*	*	*	*	*	5.0-60.0		Y	Y	Y

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BARAFLAKE M	Flaked calcium carbonate	*	*	*	*	*		5-60	Y	Y	Y
BARAMAG 10, 30, 50	Sized magnesium oxide	*	*	*	*	*		5-30			
BARAPLUG 20, 50, 6300	Sized salt particle	*	*	*	*	*		5-60	Y	Y	Y
BARARESIN	Sized oil soluble bridging agent-F, M, C	*	*	*	*	*		5-20			Y
BAROFIBRE	Seepage-loss additive, regular & coarse	*	*	*	*	*		5-50	Y	Y	Y
BAROFIBRE O	Seepage-loss additive	*	*	*	*	*		5-50			
BAROFIBRE SUPERFINE	Seepage-loss additive, fine	*	*	*	*	*		5-50	Y	Y	Y
BARO-SEAL Classic	Sized LCM blend	*	*	*	*	*		5-50			Y
BARO-SEAL Coarse	Sized LCM blend	*	*	*	*	*		5-50			Y
BARO-SEAL Fine	Sized LCM blend	*	*	*	*	*		5-50			Y
BARO-SEAL Medium	Sized LCM blend	*	*	*	*	*		5-50			Y
DIAMOND SEAL	Crystalline synthetic polymer	*	*	*	*	*		As needed			
DUO-SQUEEZE H	Bimodal distribution LCM	*	*	*	*	*		As needed			
DUO-SQUEEZE R	Polymer/carbonate blend	*	*	*	*	*		As needed			
EZ-PLUG	Acid soluble LCM blend	*	*	*	*	*		5-90			Y
FUSE-IT	Synthetic polymer-based blend	*	*	*	*	*		Pill form			
HYDRO-PLUG	Hydratable polymeric blended material	*	*	*	*	*		Pill form			Y
HYDRO-PLUG NS	Hydratable polymeric blended material	*	*	*	*	*		Pill form			Y
N-PLEX	Activator for N-SQUEEZE	*	*	*	*	*		As needed	Y	Y	
N-SEAL	Inorganic LCM	*	*	*	*	*		As needed			
N-SQUEEZE	Lost circulation material	*	*	*	*	*		As needed			Y
PLUG-GIT	Processed cedar fiber	*	*	*	*	*		3-10	Y	Y	Y
PLUG-GIT H	Processed hardwood fiber	*	*	*	*	*		3-10	Y	Y	Y
STOP-FRAC D	Pelletized blend of LCM	*	*	*	*	*		10-15			
STOP-FRAC S	Pelletized blend of coarse LCM	*	*	*	*	*		50-70 Pill			
STEELSEAL	Dual composition carbon compound	*	*	*	*	*		5.0-30	Y	Y	Y
STEELSEAL Fine	Dual composition carbon compound	*	*	*	*	*		5.0-30	Y	Y	Y
STEELSEAL 50, 100, 400, 1000	Dual composition carbon compound	*	*	*	*	*		5.0-30	Y	Y	Y
WALL-NUT	Ground walnut shells -- F, M, C	*	*	*	*	*		10-40	Y	Y	Y
ThermaTek LC	ceramic cement	*	*	*	*	*		As needed			
ThermaTek RSP	ceramic cement	*	*	*	*	*		As needed			
BJ SERVICES											
BD-VIS 114	Drill-in fluid viscosifier	*	*	*	*	*		0.5-1.5			Y
BD-VIS 130	Drill-in fluid viscosifier	*	*	*	*	*		0.5-1.5			Y
CLEANPLUG™ KF	Crosslinked LCM system - single-salt	*	*	*	*	*					
FLO-GUARD-L	Drilling fluid and cement LCM system	*	*	*	*	*					
FLO-GUARD-LC	Drilling fluid and cement LCM system	*	*	*	*	*					
FC-30	Sized calcium carbonate	*	*	*	*	*		5-50 lb/bbl	E	Y	Y
MAGNA-PLUS™	Acid soluble bridging material	*	*	*	*	*		As needed			
POLY-FX	Polymeric LCM low density brines	*	*	*	*	*					
QUICK VIS	Liquid brine viscosifier - multi-salt	*	*	*	*	*		As needed	E	Y	Y
QUICK VIS HT	Liquid brine viscosifier - HT environments	*	*	*	*	*		As needed	E	Y	Y
SEAL (FINE, MEDIUM, COARSE)	Sized calcium carbonate and bridging material	*	*	*	*	*					
TEKPLUG® XL	Cross linked polymer (no zinc)	*	*	*	*	*					
TEKPLUG® XL HD	Cross linked polymer high density	*	*	*	*	*					
THERMO-PLUG I	Crosslinked LCM system	*	*	*	*	*					
THERMO-PLUG II	Crosslinked LCM system	*	*	*	*	*					
ULTRAVIS	Liquid brine viscosifier - single salt systems	*	*	*	*	*		As needed	E	Y	Y
VIS	Pure synthetic polymer	*	*	*	*	*		As needed	E	Y	Y
XL STABILIZER	Cross linked polymer stabilizer	*	*	*	*	*					
BOYENBLUE/CELTEC INTERNATIONAL											
BLEN FYBER	Cellulose fiber	*	*	*	*	*		6		Y	
BLEN PLUG	Cellulose coarse fiber	*	*	*	*	*		30			
BLEN SEAL	Cellulose fiber	*	*	*	*	*		6		Y	
BLEN SQUEEZE	Cellulose LCM w/crosslinkable polymer	*	*	*	*	*		30		Y	
BORESEAL	Mineral fiber w/pore blocking material	*	*	*	*	*		8-10		Y	
FRAC PAK	High solids, high fluid loss	*	*	*	*	*		80-120		Y	
HYDRASWELL	Seals fractures and large openings	*	*	*	*	*					
CESCO CHEMICAL											
CESCO PORE PLUG	Extruded mineral fiber	*	*	*	*	*		5-20			Y
CESCO PORE SEAL	Cellulose fiber	*	*	*	*	*		5-20			Y
DEEP SOUTH CHEMICAL											
SUNCO FIBER	Cellulose Fiber	*	*	*	*	*		5-50			
SUNCO CARBONATE	Carbonate powder	*	*	*	*	*		5-50			
DRILLING SPECIALTIES COMPANY											
DIASEAL M LCM	Sized diatomaceous earth blend	*	*	*	*	*		17-50		Y	Y
DYNARED FINE	Ground cellulosic fiber for seepage control	*	*	*	*	*		2.0-10.0		Y	Y
DYNARED MEDIUM	Ground cellulosic fiber for seepage control	*	*	*	*	*		2.0-10.0		Y	Y
DYNARED COURSE	Ground cellulosic fiber for seepage control	*	*	*	*	*		2.0-10.0		Y	Y
POLY BLOCK LCM	Blended LCM for vugular formations	*	*	*	*	*		60-90			Y
REBOUND LCM REGULAR & FINE	Carbon-based LCM for fractures	*	*	*	*	*		15 - 50			Y
DRILLSAFE JANEL											
DS-CHIP	Flakey acid-soluble LCM, all grades	*	*	*	*	*					
MULTIPLAST	Non-pollution high soluble low solids LCM	*	*	*	*	*					
DSC INC.											
SEALLEASE	Proprietary blend of LCM additives	*	*	*	*	*		0-30			
ECOFILUIDS											
ECOFIBER	Micronized SLA	*	*	*	*	*		2-25			Y
MUD SAVE	Thermoset rubber SLA	*	*	*	*	*					

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GEL SEAL M	Blended squeeze mix	*	*	*	*	*		5-20		Y	
GEL SHELL	Nu shell	*	*	*	*	*		20		Y	
IMPACT FLUID SOLUTIONS											
FLC2000	Seepage loss control	*	*	*	*	*		3.0-8.0	Y	Y	Y
LCP2000	Lost circulation pill for severe/total losses	*	*	*	*	*		45-75	Y	Y	Y
KELCO OIL FIELD GROUP											
KWIK-SEAL	Blended LCM- fine, medium, coarse	*	*	*	*	*		20-30			
KEM-TRON TECHNOLOGIES											
POLY SEAL 500	Proprietary polymer	*	*	*	*	*					
SMECTEX	Selective flocculant and bentonite extender	*	*	*	*	*					
LAMBERTI SPA											
CEPAC LOVIS	Low vis. polyanionic cellulose	*	*	*	*	*		0.2-3		Y	
CEPAC REGULAR	High vis. polyanionic cellulose	*	*	*	*	*		0.2-3		Y	
DRILLAM EL	Liquid PHPA	*	*	*	*	*		0.3-3			
ESAPAL DMS	Drilling mud surfactant	*	*	*	*	*		1-10			
K PAC LOVIS	Potassium low vis. polyanionic cellulose	*	*	*	*	*		0.2-3	Y		
K PAC REGULAR	Potassium high vis polyanionic cellulose	*	*	*	*	*		0.2-3	Y		
LAMPAC CHL	Premium low vis. polyanionic cellulose	*	*	*	*	*		0.2-2	Y		
LAMPAC CHR	Premium high vis. polyanionic cellulose	*	*	*	*	*		0.2-2	Y		
LAMPAC LOVIS	Low vis. polyanionic cellulose	*	*	*	*	*		0.2-2	Y		
LAMPAC REGULAR	High vis. polyanionic cellulose	*	*	*	*	*		0.2-2	Y		
PAG 102	Polyalkyleneglycol	*	*	*	*	*		3%	Y		
PAG 209	Polyalkyleneglycol	*	*	*	*	*		3%	Y		
PREMPAC LOVIS	Low vis. polyanionic cellulose	*	*	*	*	*		0.2-2.5	Y		
PREMPAC REGULAR	High vis. polyanionic cellulose	*	*	*	*	*		0.2-2.5	Y		
LIQUID CASING											
LIQUID CASING I	Polycrystalline	*	*	*	*	*		8		Y	
LIQUID CASING II	Polycrystalline	*	*	*	*	*		6		Y	
O-M SEAL	Polycrystalline	*	*	*	*	*		50		Y	
WORKOVER 3000	Non-damaging polymers	*	*	*	*	*		2		Y	
M&D INDUSTRIES OF LOUISIANA											
POLY PLUG ULTRA SQUEEZE	Cross link polymer de-watering slurry	*	*	*	*	*		Situational			
ULTRA SEAL-C	Coarse cellulosic fiber blend	*	*	*	*	*		15-25		Y	
ULTRA SEAL-PLUS	Massive loss fiber LCM	*	*	*	*	*		25-40		Y	
ULTRA SEAL-POLY PLUG	Fibers and crosslink polymer	*	*	*	*	*		Situational		Y	
ULTRA SEAL-TG	Tech grade cellulosic fibers	*	*	*	*	*		7-9		Y	
ULTRA SEAL-XLA	Cross link polymer temp. accelerator	*	*	*	*	*		Situational			
ULTRA SEAL-XLD	Cross link mixing enhancer	*	*	*	*	*		Situational			
ULTRA SEAL-XLR	Cross link polymer temp. retarder	*	*	*	*	*		Situational		Y	
ULTRA SEAL-XP	Cellulosic fiber blend	*	*	*	*	*		5-7		Y	
ULTRA SPACER	High Fluid Loss Mud Spacer	*	*	*	*	*		Hole dicates		Y	
ULTRA SEAL CLEAR GEL	Solids free crosslink polymer system	*	*	*	*	*		Situational			
LIQUID BRIDGE PLUG	Epoxy Resin System	*	*	*	*	*		Situational			
MAYCO WELLCHEM											
MAYCO MAD SEAL	Lost circulation material	*	*	*	*	*		5-25			
MAYCO SEAL	Lost circulation, sealing material	*	*	*	*	*		10-50			
MAYCO SEAL COARSE	Lost circulation, sealing material	*	*	*	*	*		10-50			
MAYCO SEAL MEDIUM	Lost circulation, sealing material	*	*	*	*	*		10-50			
MAYCO SLURRY	Lost circulation spotting fluid	*	*	*	*	*		50			
M-I SWACO											
C-SEAL	Coke FLCA	*	*	*	*	*		15-20	N	N	
C-SEAL F	Coke FLCA - fine grind	*	*	*	*	*		15-20	N	N	
FORM-A-PLUG II	Pumpable lost circulation plug	*	*	*	*	*		100%			
FORM-A-PLUG ACC	Accelerator for FORM-A-PLUG pill	*	*	*	*	*		3.5-10.5			
FORM-A-PLUG RET	Retarder for FORM-A-PLUG pill	*	*	*	*	*		3.5-17.5			
FORM-A-SET	Polymeric lost circulation material	*	*	*	*	*		25-50	Y	N	
FORM-A-SET ACC	Accelerator for FORM-A-SET pill	*	*	*	*	*		1-5	N	N	
FORM-A-SET AK	Polymeric LCM	*	*	*	*	*		25	N	N	
FORM-A-SET AKX	Variant of FORM-A-SET AK pill for water shutoff	*	*	*	*	*		11-17.5	N	N	
FORM-A-SET RET	Retarder for FORM-A-SET pill	*	*	*	*	*		0-20	N	N	
FORM-A-SET XL	Crosslinker for FORM-A-SET pill	*	*	*	*	*		1-2	N	N	
FORM-A-SQUEEZE	High-solids, high-fluid loss plug	*	*	*	*	*		80			
G-SEAL	Coarse-sized graphite	*	*	*	*	*		15-20	Y	Y	
G-SEAL FINE	Fine-sized graphite	*	*	*	*	*		15-20			
G-SEAL PLUS	Coarse-sized plugging agent	*	*	*	*	*		15-20			
LO-WATE	Sized ground limestone	*	*	*	*	*		10-40	N	Y	
M-I CEDAR FIBER	Shredded cedar bark fiber	*	*	*	*	*		5-30	Y	N	
M-I SEAL	LCM for fractured or vugular formations	*	*	*	*	*		5-20	N	N	
M-I-X II	Ground cellulosic fibers	*	*	*	*	*		5-20	Y	Y	
NUT PLUG	Ground nut shells	*	*	*	*	*		5-50	Y	Y	Y
OPTISEAL I	Loss prevention material	*	*	*	*	*					
OPTISEAL II	Loss prevention material	*	*	*	*	*					
OPTISEAL III	Loss prevention material	*	*	*	*	*					
SAFE-CARB	Sized ground marble	*	*	*	*	*		10-50	Y	N	
SAFE-LINK 110	Cross linked polymer (no zinc)	*	*	*	*	*		32pails/10bb	N	N	
SAFE-LINK 140	Cross linked polymer high density	*	*	*	*	*		32pails/10bb	N	N	
SEAL-N-PEEL	Removable loss control pill	*	*	*	*	*		100%			
VERSAPAC	Thermally activated organic thixotrope	*	*	*	*	*		5-30	N	N	
VERSATROL	Naturally occurring asphalt	*	*	*	*	*		2-8	Y	Y	
VINSEAL	Filtration control additive particularly effective in depleted zones	*	*	*	*	*		2-5			
MONTELLIO											
MICRO LUBE PLUG	Non-treated pulverized gilsonite	*	*	*	*	*		2-6		Y	
PHENO SEAL	Thermo-set laminate resins	*	*	*	*	*		2-50		Y	

Product name	Description	Dispersed	Nondispersed	Saturated salt	Fresh water	Oil-based	Synthetic fluid	Normal concentration usage (lb/bbl)	HOCNF classification	Ponor listing available	Passed LC50 test
SUPER DRILL PLUS	Surfactant treated gilsonite	*	*	*	*	*		2-6		Y	
NEWPARK DRILLING FLUIDS											
60/40 BLEND	Blended LCM	*	*	*	*	*					
CYBERSEAL	Fibrous seepage control agent	*	*	*	*	*		10-35			
DYNAFIBER	Micronized cellulose	*	*	*	*	*					
DYNAPLUG	Fibers, polymer & crosslink	*	*	*	*	*		50-100			
DYNASQUEEZE	Fibers, polymer & crosslink	*	*	*	*	*					
NEWCARB	Sized calcium carbonate	*	*	*	*	*					
NEWPLUG	Nut shell	*	*	*	*	*					
NEWSEAL	Sized carbonaceous seepage agent	*	*	*	*	*		5-15			
PRIME ECO GROUP INC.											
PERFOREX-XP	Proprietary HTHP for OBM	*	*	*	*	*		0.2-8		Y	
QUICK SLIP	Graphitic plumbago/PDMS	*	*	*	*	*		4-6 ppb		Y	
TRUE SEAL	Filtration control additive for depleted zone	*	*	*	*	*		4-6 ppb		Y	
PROGRESS CHEMICAL SALES											
ENVIRO-SEAL	Liquid blended fibers	*	*	*	*	*		2-6			
ENVIRO-SLIDE	Silicone treated beads	*	*	*	*	*		4-6			
ENVIRO-TREAT	Blended polyglycerol	*	*	*	*	*		1-4		Y	
FLC-F	Blended fibers	*	*	*	*	*		4-40			
FLC-L	Blended fibers	*	*	*	*	*		4-40		Y	
FLC-L	Blended fibers	*	*	*	*	*		4-40			
PRO-TEX	Blended asphalt sulfonate	*	*	*	*	*		2-6			
QUARON N.V.											
MC BEX	Bentonite extender	*	*	*	*	*					
MC LLC	Liquid lost circulation plug	*	*	*	*	*					
MC SUPERSEALER	LCM mixture	*	*	*	*	*					
SETAC											
XP-911	Multi sized insoluble carbon	*	*	*	*	*		6-50		Y	
SPECIAL PRODUCTS											
SPECIAL PLUG	Fluid loss control										
SPECIAL SEAL	Acid soluble fluid loss control										
STRATA CONTROL SERVICES, INC.											
FRAC-ATTACK	Pkg LCM Squeeze Pill System	*	*	*	*	*		80 ppb		Y	
STRATA-VANGUARD	Pkg LCM Pill Mixed In Drilg Fluid	*	*	*	*	*		5-100 PPB		Y	
STRATA-FLEX Fine	Fine Grade Elastomeric Sealant	*	*	*	*	*		5-100 PPB		Y	
STRATA-FLEX Medium	Medium Grade Elastomeric Sealant	*	*	*	*	*		5-100 PPB		Y	
STRATA-SCM Fine	Blended Fine Grade Cellulose Material	*	*	*	*	*		5-70 PPB		Y	
STRATA-LCM Medium	Blended Med Grade Cellulose Material	*	*	*	*	*		5-70 PPB		Y	
SUN DRILLING PRODUCTS											
SX-PLUS	Carbon seepage loss agent	*	*	*	*	*		3-6 lbs/bbl		Y	
TBC-BRINADD											
BRIDGECARB-ULTRA	Polymer and sized calcium carbonate blend	*	*	*	*	*		50		Y	
BRIDGECARB-ULTRA SF	Polymer and sized calcium carbonate blend	*	*	*	*	*		50		Y	
BRIDGESAL-ULTRA	Polymer and sized salt blend	*	*	*	*	*		50		Y	
BRIDGESAL-ULTRA SF	Polymer and sized salt blend	*	*	*	*	*		50		Y	
BRINEWATE ULTRA	Sized sodium chloride	*	*	*	*	*		10-50			
BRINEWATE ULTRA SUPERFINE	Sized sodium chloride	*	*	*	*	*					
CARBWATE ULTRA	Sized calcium carbonate	*	*	*	*	*		10-50			
CARBWATE ULTRA F	Sized calcium carbonate	*	*	*	*	*		15-30			
HYVAL ACTIVATOR	Catalyst for polymer hydration	*	*	*	*	*		0.5 gal/bbl			
HYVAL C	Blend of polymers, buffers and CaCO ₃	*	*	*	*	*		100			
HYVAL HD	Polymer and sized salt blend for high density brines	*	*	*	*	*		100			
HYVAL HT	Blend of polymers, buffers and sodium chloride for high temperatures and densities	*	*	*	*	*					
HYVAL SUPERFINE	Polymer and sized salt blend for high density brines	*	*	*	*	*		100			
OSS PILL	Polymer and oil soluble resin blend	*	*	*	*	*		30			
PBS PLUG 2000	Polymer and inorganic salt blend	*	*	*	*	*		100			
PBS PLUG 500	Polymer and inorganic salt blend	*	*	*	*	*		100			
PBS PLUG ACTIVATOR	Inorganic salt blend	*	*	*	*	*		50 ppb		Y	Y
PBS PLUG RETARDER	Inorganic salt blend	*	*	*	*	*		6			
PLUG-SAL	Sized sodium chloride	*	*	*	*	*		50			
PLUG-SAL X	Sized sodium chloride	*	*	*	*	*		50			
PLUG-SAL XC	Sized sodium chloride	*	*	*	*	*		50			
SANHEAL PILL	Polymer/carbonate blend	*	*	*	*	*		50			
SLUGGIT	Coarse calcium carbonate	*	*	*	*	*		50			
SLUGGIT CM	Coarse calcium carbonate	*	*	*	*	*		50			
SLUGGIT PLUS	Coarse calcium carbonate	*	*	*	*	*		50			
SOLUBRIDGE	Oil-soluble bridging agent	*	*	*	*	*					
SOLUBRIDGE COARSE	Sized oil soluble resin	*	*	*	*	*		50			
SOLUBRIDGE FINE	Sized oil soluble resin	*	*	*	*	*		25			
SOLUBRIDGE MID	Sized oil soluble resin	*	*	*	*	*		25			
SOLUVIS	Oil-soluble polymer and organic salt blend	*	*	*	*	*					
TETRA TECHNOLOGIES, INC.											

Product name	Description	Dispersed	Nondispersed	Saturated salt	Fresh water	Oil-based	Synthetic fluid	Normal concentration usage (lb/bbl)	HOCNF classification	Ponor listing available	Passed LC50 test
PAYZONE FLC SLURRY	Severe lost circulation pill										
PAYZONE FLC SMARTSEAL	Calcium carbonate pill			*	*						
PAYZONE FLC-CC	Calcium carbonate pill			*	*						
PAYZONE FLC-SS	Sodium chloride pill			*	*						
PAYZONE HPS	High performance starch	*	*	*	*				Y		
PAYZONE SS PRIME	Broad PSD - fine grind NaCl	*	*	*	*				Y		
PAYZONE SS ULTRA	Ultra fine grind, NaCl	*	*	*	*				Y		
TETRA FLEX 110	Cross Linked Gelled polymer			*	*						
TETRA FLEX 135	Cross Linked Gelled polymer			*	*						
TETRA SS COARSE	Size controlled, coarse NaCl	*	*	*	*				Y		
TETRA SS FINE	Select grind, fine grind NaCl	*	*	*	*				Y		
TETRA SS MEDIUM	Size controlled, med size NaCl	*	*	*	*				Y		
TETRACARB COARSE	Size controlled, coarse CaCO3	*	*	*	*				Y		
TETRACARB FINE	Select grind, fine CaCO3	*	*	*	*				Y		
TETRACARB FLAKE	Sized calcium carbonate										
TETRACARB MEDIUM	Size controlled, medium CaCO3	*	*	*	*				Y		
TETRA MAGMAFIBER REG	Med grind, acid soluble fiber	*	*	*	*				Y		
TETRA MAGMAFIBER FINE	Fine grind, acid soluble fiber	*	*	*	*				Y		
TURBO-CHEM INTERNATIONAL											
E Z SQUEEZE	High solids, high fluid loss squeeze material	*	*	*	*	*	*	32-100 ppb		Y	
PREMIUM SEAL	Micronized cellulose fiber	*	*	*	*	*	*	4		Y	
SWELLCM	Gelled, swelling, sealing agent	*	*	*	*	*	*	10 ppb		Y	
SYN SEAL	Seepage loss additive for synthetic & base mud	*	*	*	*	*	*	10-50 ppb		Y	
TURBO-PHALT	Gilsonite/resin	*	*	*	*	*	*	4		Y	
VENTURE CHEMICALS											
DELTA P	Polysaccharide complex	*	*	*	*	*	*	2-8		Y	
VEN-FYBER 201	Micronized surface modified cellulose fiber	*	*	*	*	*	*	6-10		Y	
VEN-PAK	Blend of organic fibers	*	*	*	*	*	*	3-20		Y	
VEN-PLEX I	Crosslinking agent for VEN-PLUG							0.2 gal/bbl			
VEN-PLUG	Fiber/polymer LCM							40			
SHALE CONTROL											
AKZO NOBEL											
GABROIL PAC HAVIS	PAC high viscosity technical (improved)	*	*	*	*	*	*	0.5-3		Y	
GABROIL PAC LOVIS	PAC low viscosity technical (improved)	*	*	*	*	*	*	0.5-3		Y	
GABROIL HV	PAC high viscosity technical	*	*	*	*	*	*	0.5-3		Y	
GABROIL LV	PAC low viscosity technical	*	*	*	*	*	*	0.5-3		Y	
STAFLO EXLO	PAC low viscosity pure	*	*	*	*	*	*	0.5-2		Y	
STAFLO REGULAR	PAC high viscosity pure	*	*	*	*	*	*	0.5-2		Y	
AMBAR											
GILSONITE	Gilsonite	*	*	*	*	*	*	2-8		Y	
K-TROL	Potassium acetate, liquid	*	*	*	*	*	*	2-6			
POTASSIUM CHLORIDE	Salt			*	*	*	*	As needed			
SOLTEX	Asphalt	*	*	*	*	*	*	4-8		Y	
STAR LG	Gilsonite blend liquid	*	*	*	*	*	*	2-6			
STARTROL	Asphalt blend	*	*	*	*	*	*	2-6			
TRIPLE A	Anti-accretion agent	*	*	*	*	*	*	5-3.0 %		Y	
AMERICAN GILSONITE											
BORE-PLATE	Shale control agent for water-based fluids	*	*	*	*	*	*	6		Y	
AQUALON											
AQUACEL R-110	Low viscosity Carboxymethyl cellulose	*	*	*	*	*	*	0.25-2		Y	Y
AQUACEL R-190	High viscosity Carboxymethyl cellulose	*	*	*	*	*	*	0.25-2		Y	Y
AQUAFLO LV	High viscosity Standard Polyaniionic cellulose	*	*	*	*	*	*	0.25-2		Y	Y
AQUAFLO HV	Low viscosity Standard Polyaniionic cellulose	*	*	*	*	*	*	0.25-2		Y	Y
AQUAPAC LIQUID	Environmental friendly anhydrous AquaPAC suspension	*	*	*	*	*	*	0.50-4	D	Y	Y
AQUAPAC LV	Low viscosity Premium Polyaniionic cellulose	*	*	*	*	*	*	0.25-2		Y	Y
AQUAPAC REGULAR	High viscosity Premium Polyaniionic cellulose	*	*	*	*	*	*	0.25-2		Y	Y
AQUAPAC ULV	Ultra Low viscosity Premium Polyaniionic cellulose	*	*	*	*	*	*	0.25-2		Y	Y
BAKER HUGHES DRILLING FLUIDS											
AQUA-COL	Glycol used to control sensitive shales, increase lubricity and lower HT-HP filtrate in freshwater and saltwater systems	*	*	*	*	*	*	0.03	Y		
AQUA-COL B	Polyglycol ether	*	*	*	*	*	*	3%	Y		
AQUA-COL D	Glycol used to control sensitive shales, increase lubricity and lower HT-HP filtrate in moderate to high-salinity systems	*	*	*	*	*	*	3%	Y		
AQUA-COL S	Glycol used to control sensitive shales, increase lubricity and lower HT-HP filtrate in saturated salt systems	*	*	*	*	*	*	3%	Y		
AQUA-SEAL	Polymeric shale stabilizer and filtration control	*	*	*	*	*	*	1-2			
CLAY-TROL	Clay swelling and hydration suppressant	*	*	*	*	*	*	4-8	Y		
MAX-GUARD	Clay hydration suppressant	*	*	*	*	*	*	1-7			
MAX-PLEX	Aluminum and resin complex for shale stability for PERFORMAX	*	*	*	*	*	*	1-5			
MAX-SHIELD	Deformable sealing polymer for shale stability for PERFORMAX	*	*	*	*	*	*	2-4%			
MIL-LIME	Calcium hydroxide	*	*	*	*	*	*				
NEW-DRILL	High-molecular weight anionic liquid polymer							1.5	Y		
NEW-DRILL HP	Powdered polymer for improved shale control							1.5-2	Y		
NEW-DRILL LV	Low viscosity PHPA							1-3			

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NEW-DRILL PLUS	Powdered, high-molecular weight, partially hydrolyzed polyacrylamide	*	*	*	*	*	*	1	Y		
PROTECTOMAGIC	Oil-soluble, air-blown asphalt used with oil	*	*	*	*	*	*	2-8			
PROTECTOMAGIC M	Water-dispersible, air-blown asphalt	*	*	*	*	*	*	2-8	Y		
SHALE-BOND	Water-dispersing, naturally-occurring asphalt	*	*	*	*	*	*	2-6	Y		
SHALE-PLEX	Aluminum complex for shale stability	*	*	*	*	*	*				
SULFATROL	Sulfonated asphalt	*	*	*	*	*	*	2-6	Y		
SULFATROL K	Potassium sulfonated asphalt	*	*	*	*	*	*	2-8			
TERRA-COAT	Deformable sealing polymer for TERRA-MAX	*	*	*	*	*	*				
BAROID FLUID SERVICES											
AK-70	Asphaltic blend	*	*	*	*	*	*	5.0-15.0		Y	Y
BARABLOK	Powdered gilsonite, wallcake enhancer	*	*	*	*	*	*	5.0-35.0	Y	Y	
BARABLOK 400	Hi-temp powdered gilsonite	*	*	*	*	*	*	5.0-35.0		Y	
BARACAT	Cationic polymer solution	*	*	*	*	*	*	1.0-3.0			
BARASIL-S	Sodium silicate solution	*	*	*	*	*	*	2-10%	Y	Y	
BARO-TROL PLUS	Enhanced shale stabilizer	*	*	*	*	*	*	2.0-6.0			
BORE-HIB	Shale inhibitor blend-BOREMAX system	*	*	*	*	*	*	1-2 vol%			
BORE-PLUS	Shale stabilizer-BOREMAX system	*	*	*	*	*	*	0.2-3		Y	
BXR	Borehole stabilizer	*	*	*	*	*	*	4.0-20.0		Y	
BXR-L	Borehole stabilizer suspension	*	*	*	*	*	*	8.0-40.0		Y	
CLAY FIRM	Shale stabilizer-HYDROGUARD system	*	*	*	*	*	*	5.0-8.0		Y	
CLAY GRABBER	Shale encapsulator	*	*	*	*	*	*	0.5-2.0		Y	
CLAY SYNC	Shale stabilizer-HYDROGUARD system	*	*	*	*	*	*	2.0-4.0		Y	
CLAY SYNC II	Shale stabilizer-HYDROGUARD system	*	*	*	*	*	*	2.0-4.0		Y	
CLAYSEAL	Amphoteric compound shale stabilizer	*	*	*	*	*	*	4.0-8.0		Y	
CLAYSEAL PLUS	Amphoteric compound shale stabilizer	*	*	*	*	*	*	4.0-8.0	Y	Y	
EZ-MUD	Shale stabilizing polymer solution	*	*	*	*	*	*	1.0-4.0	Y	Y	
EZ-MUD DP	Powdered shale stabilizing polymer	*	*	*	*	*	*	0.25-1.5	Y	Y	
EZ-MUD GOLD	Beaded shale stabilizing polymer	*	*	*	*	*	*	0.25-1.5	Y	Y	
EZ-MUD PLUS	Shale stabilizing polymer emulsion	*	*	*	*	*	*	1.0-4.0			
GEM CP	Polyglycol	*	*	*	*	*	*	5-7%	Y	Y	
GEM GP	Polyalkylene glycol	*	*	*	*	*	*	2-6%	Y	Y	
GEM SP	Polyglycol	*	*	*	*	*	*	2.0-15.0	Y		
INHIBI-TAR	Tar zone stabilizer	*	*	*	*	*	*	Pill form			
MEGAGEN	Sodium silicate solution	*	*	*	*	*	*	2-10%			
PERFORMATROL	Shale inhibitive polymer	*	*	*	*	*	*	2-3%	Y	Y	
QUIK-MUD	Liquid anionic polymer	*	*	*	*	*	*				
SS-105	Copolymer emulsion	*	*	*	*	*	*				
BASF											
BASODRILL 2000	Glycol ether shale inhibitor	*	*	*	*	*	*	4-7%			
BASODRILL 2200	Polyglycol ether, shale inhibitor	*	*	*	*	*	*	4-7%			
BASODRILL 3000	Polyglycol ether, shale inhibitor	*	*	*	*	*	*	4-7%			
BJ SERVICES											
CLAYMIX	Clay inhibitor	*	*	*	*	*	*	0.2-1.0%		Y	Y
CLAYMASTER 5-C	Clay inhibitor	*	*	*	*	*	*	0.2-1.0%	E	Y	Y
CLAYTROL-3	Clay inhibitor	*	*	*	*	*	*	0.2-1.0%			
CLAYTROL-6	Clay inhibitor	*	*	*	*	*	*	0.2-1.0%			
CABOT SPECIALTY FLUIDS											
CESIUM ACETATE	Density to 2.2 sg (18.3 ppg)										N
CESIUM FORMATE	Density to 2.3 sg (19.2 ppg)									E	Y
MIXED FORMATES	Densities from 1.0 sg to 2.3 sg									E	Y
POTASSIUM FORMATE	Density to 1.57 sg (13 ppg)									E	N
SODIUM FORMATE	Density to 1.3 sg (10.8 ppg)									E	Y
CESCO CHEMICAL											
CESCO C-G	Pretreated gilsonite	*	*	*	*	*	*	4-6		Y	
COGNIS											
TERRADRIL RM 568	For aqueous systems, water dissovable, saturated salt	*	*	*	*	*	*				
DEEP SOUTH CHEMICAL											
SUNCO GILSONITE	Treated gilsonite	*	*	*	*	*	*	0.2-1%			
DRILLING SPECIALTIES COMPANY											
DRILLPAC HV POLYMER	High viscosity polyaniionic cellulose	*	*	*	*	*	*	0.25-2.5		Y	Y
DRILLPAC LV POLYMER	Low viscosity polyaniionic cellulose	*	*	*	*	*	*	0.25-2.5		Y	Y
DRISCAL D POLYMER	High temperature synthetic polymer	*	*	*	*	*	*	0.5-2.5		Y	Y
DRISPAC PLUS REGULAR	Dispersable HV polyaniionic cellulose	*	*	*	*	*	*	0.25-2.5		Y	Y
DRISPAC PLUS SUPERLO	Dispersable LV polyaniionic cellulose	*	*	*	*	*	*	0.25-2.5		Y	Y
DRISPAC REGULAR POLYMER	High viscosity polyaniionic cellulose	*	*	*	*	*	*	0.25-2.5		Y	Y
DRISPAC SUPERLO POLYMER	Low Viscosity polyaniionic cellulose	*	*	*	*	*	*	0.25-2.5		Y	Y
DRISTEMP POLYMER	High temperature synthetic polymer	*	*	*	*	*	*	0.5-2.5		Y	Y
GREENBASE LIQUID DRISPAC POLYMER	High viscosity polyaniionic cellulose	*	*	*	*	*	*	0.5-4.0		Y	Y
LIQUID DRISPAC POLYMER	High viscosity polyaniionic cellulose	*	*	*	*	*	*	0.5-4.0			
LIQUID SOLTEX ADDITIVE	Sulfonated asphalt	*	*	*	*	*	*	5.0-10.0		Y	Y
POTASSIUM SOLTEX ADDITIVE	Potassium sulfonated asphalt	*	*	*	*	*	*	2.0-6.0		Y	Y
SOLTEX ADDITIVE	Sulfonated asphalt	*	*	*	*	*	*	2.0-6.0		Y	Y
DRILLSAFE JANEL											
MULTICOAT	Water soluble asphaltic	*	*	*	*	*	*	0.5-2			
ECOFUIDS											
CLAY KILL	Low Molecular Weight Shale Inhibitor	*	*	*	*	*	*	1.0-3.0			

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ECOGLYCOL H	HMW glycol clay/shale inhibitor	*	*	*	*	*		2%-5%		Y	
ECO PHPA	Anionic Emulsion Shale Inhibitor	*	*	*	*	*		0.25 - 1.0			
ECO PHAPA-L	Anionic Emulsion Shale Inhibitor	*	*	*	*	*					
EF-100N	Polyglycerol shale inhibitor	*	*	*	*	*		5%-20%		Y	
GUMBOTROL	Gumbo Inhibitor	*	*	*	*	*		0.5-1 %		Y	
K-SUB	KCL Substitute	*	*	*	*	*		0.15-0.3			
STRATADRILL	Amine clay inhibitor	*	*	*	*	*		4-10 ppb		Y	
GUMPRO CHEMICALS											
GEL-ASPHAL	Sodium asphalt sulfonate	*	*	*	*	*		26		Y	
GEL K-LIG	Potassium lignite	*	*	*	*	*		0.5-6		Y	
GEL-P-ASPHAL	Potassium asphalt sulfonate	*	*	*	*	*		26		Y	
GEL-P-LIGNITE	Potassium lignite	*	*	*	*	*		26		Y	
HORIZON PRODUCTS											
CONTROL 1-166	Alkaline starch	*	*	*	*	*		3%		Y	
CONTROL 1-910	Deflocculant, calcium control agent	*	*	*	*	*		3-5		Y	
CONTROL 1-920	Deflocculant, calcium control agent	*	*	*	*	*		3-5		Y	
CONTROL 1-930	Deflocculant, calcium control agent	*	*	*	*	*		3-5		Y	
GEO-MEG	Methyl glucoside	*	*	*	*	*		2-3%		Y	
IMPACT FLUID SOLUTIONS											
FLC 2000	Stabilizes microfractured and bedded shales and coals	*	*	*	*	*		3.0-8.0	Y	Y	Y
KELCO OIL FIELD GROUP											
CELPOL R	Purified PAC high visc	*	*	*	*	*		0.25-2		Y	Y
CELPOL RX	Purified PAC high visc	*	*	*	*	*		0.25-2		Y	Y
CELPOL SL	Purified PAC low visc	*	*	*	*	*		0.25-2		Y	Y
CELPOL SLX	Premium purified PAC low visc	*	*	*	*	*		0.25-2		Y	Y
FINNFX BOL	Middle visc CMC	*	*	*	*	*		2-3		Y	Y
FINNFX H	CMC high viscosity pure	*	*	*	*	*		2-3		Y	Y
FINNFX HC	High visc CMC	*	*	*	*	*		0.2-3		Y	Y
FINNFX LC	Low visc CMC	*	*	*	*	*		2-3		Y	Y
FINNFX RC	Middle visc CMC	*	*	*	*	*		2-3		Y	Y
MF-1	Non-ionic polyacrylamide	*	*	*	*	*				Y	
MF-55	Non-ionic polyacrylamide - liquid	*	*	*	*	*				Y	
X-PEL-G	Water dispersible gilsonite	*	*	*	*	*		2-4		Y	
LAMBERTI SPA											
HYBSTAR	Shale inhibitor and clay stabilizer	*	*	*	*	*					
LAMBERTI USA											
HYBSTAR	All purpose shale control	*	*	*	*	*		1-3%			
PAG 102	Polyalkylene glycol low cloud point	*	*	*	*	*		2-4%			
PAG 209	Polyalkylene glycol medium cloud point	*	*	*	*	*		2-4%			
LIQUID CASING		*	*	*	*	*					
LIQUID CASING	Polycrystalline	*	*	*	*	*		8		Y	
LIQUID CASING II	Polycrystalline	*	*	*	*	*		6		Y	
O-M SEAL	Polycrystalline	*	*	*	*	*		50		Y	
MAYCO WELLCHEM											
MAYCO-KLAYTROL	Clay inhibitor	*	*	*	*	*		1-4			
M-I SWACO											
ASPHASOL	Blend of sulfonated organic resins	*	*	*	*	*		4-10	N	N	Y
ASPHASOL D	Sulfonated organic blend	*	*	*	*	*		4-10	N	N	
ASPHASOL SUPREME	Sulfonated asphalt	*	*	*	*	*		1-8			
DI-INHIB	Shale inhibitor for the DIPRO system	*	*	*	*	*		3 vol%			
DRILPLEX	Viscosifier for DRILPLEX system	*	*	*	*	*		1-3		Y	
DRIL-KLEEN	Low-toxicity detergent	*	*	*	*	*		0.2-1	N	N	Y
ENVIROBLEND	Salt for ENVIROVERT system	*	*	*	*	*					
FLOXIT	Clay flocculant	*	*	*	*	*		0.1-2	N	N	Y
GLYDRIL GP	Polyalkylene glycol with low cloud point	*	*	*	*	*		7-17.5	Y	N	
GLYDRIL HC	Polyalkylene glycol with high cloud point	*	*	*	*	*		7-17.5	N	N	
GLYDRIL LC	Polyalkylene glycol with low cloud point	*	*	*	*	*		7-17.5	Y	N	
GLYDRIL MC	Polyalkylene glycol with medium cloud point	*	*	*	*	*		7-17.5	Y	N	
HIBTROL	Fluid loss additive & secondary shale inhibitor	*	*	*	*	*		1-5	Y	N	
HIBTROL HV	Fluid loss additive & secondary shale inhibitor	*	*	*	*	*		1.4-7			
HIBTROL ULV	Ultra-low vis filtration control additive and secondary shale inhibitor	*	*	*	*	*		2.1-7			
IDCAP D	Polymeric shale inhibitor	*	*	*	*	*		0-4	Y	N	Y
INHIBYCOL XT	Wide-molecular-weight glycol	*	*	*	*	*		7-17.5			
K-17	Potassium lignite	*	*	*	*	*		1-15	N	N	Y
K-52	Non-chloride potassium supplement	*	*	*	*	*		1-5	N	N	Y
KLA-CURE	Hydration suppressant	*	*	*	*	*		4-8	Y	N	Y
KLA-CURE II	Hydration suppressant and detergent	*	*	*	*	*		4-8			
KLA-GARD	Shale inhibitor & hydration suppressant	*	*	*	*	*		4-8	Y	N	Y
KAL-GARD B	Salt-free KLA-GARD	*	*	*	*	*		4-8	N	N	Y
KLA-PLEX	Potassium-base shale inhibitor	*	*	*	*	*					
KLA-SENTRY	Shale inhibitor for lignosulfonate muds on	*	*	*	*	*					
KLA-STOP	Shale inhibitor	*	*	*	*	*		2-4 vol%	N	N	
M-I PAC R	Pure PAC polymer, technical grade	*	*	*	*	*		2-5	Y	Y	
M-I PAC UL	PAC polymer, low viscosity, technical grade	*	*	*	*	*		2-5	Y	Y	
POLYPAC R	Polyanionic cellulose	*	*	*	*	*		0.5-2	Y	Y	Y
POLYPAC ELV	Extra-low-viscosity PAC	*	*	*	*	*		0.5-2	Y	N	
POLYPAC SUPREME R	PAC, premium grade	*	*	*	*	*		0.5-2	Y	N	
POLYPAC SUPREME UL	PAC, premium grade, ultra-low viscosity	*	*	*	*	*		0.5-2	Y	N	
POLYPAC UL	PAC, ultra-low viscosity	*	*	*	*	*		0.5-2	Y	N	
POLY-PLUS	High m.w. PHPA polymer	*	*	*	*	*		0.5-4	Y	N	Y
POLY-PLUS DRV	Dry PHPA polymer	*	*	*	*	*		0.25-2			
POLY-PLUS LV	Low-viscosity PHPA polymer	*	*	*	*	*		0.25-2	N	N	
POLY-PLUS RD	Readily dispersible PHPA dry powder	*	*	*	*	*		0.5-4	Y	N	Y
SHALE-CHEK	Shale control additive	*	*	*	*	*		5	N	N	

Product name	Description	Dispersed	Nondispersed	Saturated salt	Fresh water	Oil-based	Synthetic fluid	Normal concentration usage (lb/bbl)	HOCNF classification	Ponor listing available	Passed LC50 test
SILDRIIL D	Dry sodium silicate	*	*	*	*	*		9-15	Y	Y	
SILDRIIL K	Potassium silicate version of SILDRIIL	*	*	*	*	*		8-12%			
SILDRIIL L	Liquid sodium silicate	*	*	*	*	*		5-8%	Y	Y	
SP-101	Sodium polyacrylate polymer	*	*	*	*	*		0.5-2	N	N	Y
TARCLEAN	Anticrete agent for heavy oil	*	*	*	*	*		100% app			
ULTRACAP	Encapsulator for ULTRADRILL system	*	*	*	*	*		1.5-3			
ULTRACAP NS	Biodegradable shale encapsulator	*	*	*	*	*					
ULTRACAP PLUS	Polymeric shale inhibitor in ULTRADRILL system	*	*	*	*	*		0-4			
ULTRAHIB	Shale inhibitor for ULTRADRILL system	*	*	*	*	*		2-4 vol%			
UNIPAC SUPREME UL	Dispersible, regular-grade PAC	*	*	*	*	*		0.25-1			
XP-20K	Potassium causticized chrome lignite	*	*	*	*	*		1-15	N	N	Y
XP-20 N	Chrome lignite, neutralized	*	*	*	*	*		1-15	N	N	Y
MONTELLO											
BORE-PLATE	Blended pretreated gilsonite	*	*	*	*	*		3-6			Y
MICRO LUBE PLUG	Untreated pulverized gilsonite	*	*	*	*	*		2-6			Y
MON PAC	Polyanionic cellulose	*	*	*	*	*		0.25-2			Y
MON PAC ULTRA LO	Polyanionic cellulose	*	*	*	*	*		0.25-2			Y
MON PAAL	PHPA	*	*	*	*	*		0.5-4			Y
MON REZ LT	Low temp. resins	*	*	*	*	*		3-6			Y
SUPER DRILL	Surfactant treated gilsonite	*	*	*	*	*		2-6			Y
NEWARK DRILLING FLUIDS											
DEEPRILL INHIBITOR	Proprietary HPWB shale inhibitor	*	*	*	*	*		3-20 vol%			
DYNACOL	Glycol shale stabilizer	*	*	*	*	*		0.7-5 vol%			
DYANITE	Gilsonite	*	*	*	*	*		2-6			
FLEXFIRM KA	Potassium silicate shale stabilizer	*	*	*	*	*		0.25-2			
FLEXFIRM SA	Sodium silicate shale stabilizer	*	*	*	*	*		0.25-2			
HIPERM	Amine shale inhibitor	*	*	*	*	*		0.3-0.6 vol%			
LST-MD	Liquid sulfonated asphalt	*	*	*	*	*		2-3 vol%			
NEW100	Blend of polyglycerines	*	*	*	*	*		4-5 vol%			
NEW100 N	Blend of polyglycerines	*	*	*	*	*		4-5 vol%			
NEWEDGE	High-grade leonardite	*	*	*	*	*		2-10			
NEWPHALT	Sulphonated asphalt	*	*	*	*	*		2-8			
NEWPHPA	PHPA	*	*	*	*	*		0.2-2			
NEWPHPA D	PHPA	*	*	*	*	*		0.25-1			
NEWPHPA DLMW	Low molecular weight anionic PHPA	*	*	*	*	*		1-3			
NEWPHPA DSL	Very low molecular weight PHPA	*	*	*	*	*		1-4			
OLEON N.V.											
RADIAGREEN EBL	Env. friendly ester based lubricant	*	*	*	*	*		1-3%	Y	N	Y
RADIAGREEN EBO	General purpose lubricant & ROP enhancer	*	*	*	*	*		4-6%	Y	N	Y
RADIAGREEN	Lubricant for heavy brines	*	*	*	*	*		1-3%	Y	N	Y
EME SALT		*	*	*	*	*					
RADIAGREEN SL	Lubricant for pH system >10	*	*	*	*	*		2-5%	Y	N	Y
PQ CORP.											
ECODRILL	Silicate drilling fluid	*	*	*	*	*		5-20%			
PRIME ECO GROUP INC.											
DT-2002	Blended polyglycerol	*	*	*	*	*					Y
DT-SAS	Sulfonated asphalt	*	*	*	*	*		4-10	N	N	Y
SKL-100	Environmental replacement for KCL	*	*	*	*	*		1-4			
PROGRESS CHEMICAL SALES											
ENVIRO-SEAL	Liquid blended fibers	*	*	*	*	*		2-6			
ENVIRO-TREAT	Blended polyglycerol	*	*	*	*	*		1-4			Y
PRO-PLATE	Blended gilsonite	*	*	*	*	*		3-6			
PRO-TEX	Blended asphalt sulfonate	*	*	*	*	*		2-6			
QUARON N.V.											
MC DEX	Mud thinner / shale stabilizer	*	*	*	*	*		2-5			
MC K-SOL	Potassium asphalt sulphonate	*	*	*	*	*		2-5			
MC SIP	Shale inhibitive polymer	*	*	*	*	*		1-3			
MC SOL	Sodium asphalt sulphonate	*	*	*	*	*		2-5			
SETAC											
BORE MASTER	Resin	*	*	*	*	*		2-6			
DRILL FAST	ROP enhancer and lubricant	*	*	*	*	*		2-10%			Y
SETA-SEAL	Fiber/carbon blend	*	*	*	*	*		4-10			
SETA-SEAL	OB spun wood	*	*	*	*	*		5-20			
SET PHALT	Asphalt blend	*	*	*	*	*		2-6			
SPECIAL PRODUCTS											
PRODUCT 239	Clay inhibitor	*	*	*	*	*		1-2			Y
PRODUCT 6166	Clay Inhibitor	*	*	*	*	*		1-2			
SUN DRILLING PRODUCTS											
BLACKNITE	Multi-particle gilsonite liquid dispersion	*	*	*	*	*		2%			Y
C-MUL (PAO)	Polyalphaolefin, ROP enhancer	*	*	*	*	*		3%			Y
COASTALUBE (PAO)	Polyalphaolefin liquid lubricant	*	*	*	*	*		3%			Y
DRIL-CON	Clay hydration suppressant	*	*	*	*	*		1%			Y
GUMBOSHIELD	Gumbo inhibitor	*	*	*	*	*		3%			Y
TBC-BRINADD											
BORCLEAN	High molecular weight glycol	*	*	*	*	*		100			
CL FREE	Organic amine	*	*	*	*	*		3% by vol	Y		
GLYSON K	Potassium salt	*	*	*	*	*		1-3% by vol			
INHIBISAL ULTRA	Low molecular weight polyglycol	*	*	*	*	*		3% by vol	Y		
INHIBISAL ULTRA B	Low molecular weight polyglycol	*	*	*	*	*		3% by vol	Y		
TETRA TECHNOLOGIES, INC.											
PAYZONE STAY	Clay Stabilizer	*	*	*	*	*					
PAYZONE STRATAFIX	Shale/clay stabilizer	*	*	*	*	*					
TURBO-CHEM INTERNATIONAL											
TURBO-PHALT	Gilsonite/resin	*	*	*	*	*		4			Y
VENTURE CHEMICALS											
VEN-TROL 401	Resin-coated micronized, cellulose fiber	*	*	*	*	*		2-6			Y

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WEATHERFORD INTERNATIONAL LTD.											
ALPHA 9206	Shale control amine		*	*	*			0.01-1			
CC-200	Polymer/formate shale control		*	*	*			0.002		Y	
CC-300	Copolymer/formate shale control		*	*	*			0.2%-0.5%		Y	
SC-900	Shale control copolymer				*			1000-2000 ppm			
SPOTTING FLUIDS, LUBRICANTS											
AMBAR											
DE-2000	ROP Enhancer	*	*	*	*						
DL-100	EP Lubricant	*	*	*	*						
ECOSPOT	Environmentally safe spotting fluid	*	*	*	*					Y	
BAKER HUGHES DRILLING FLUIDS											
AQUA-MAGIC	Differential sticking preventative for depleted zones	*	*	*	*			2% -4%	Y		
BIO-DRILL	Water-base ROP enhancement alternative	*	*	*	*			2%-4%	Y		
BLACK-MAGIC	Oil-base spotting fluid	*	*	*	*				Y		
BLACK-MAGIC CLEAN	Environmentally-safe spotting fluid	*	*	*	*						
BLACK-MAGIC LT	Low-toxicity, oil-base spotting fluid	*	*	*	*				Y		
BLACK MAGIC PHALT FREE	Spotting fluid without asphalt	*	*	*	*				Y		
BLACK-MAGIC SFT	Oil-base spotting fluid concentrate	*	*	*	*				Y		
LC-GLIDE	Spherical synthetic graphite for torque and drag reduction	*	*	*	*						
LUBE-622	WBM lubricant	*	*	*	*			2-4%			
MIL-FREE	Vegetable-oil-base spotting fluid	*	*	*	*			2-3%			
MIL-GRAPHITE	Graphite used to enhance lubricity	*	*	*	*			2-8	Y		
MIL-LUBE	Vegetable oil-base boundary and extreme pressure lubricant	*	*	*	*			2-4%	Y		
MIL-SPOT 2	Invert emulsion, weighted spotting fluid concentrate (available exclusively through INTEQ International)	*	*	*	*						
NF2	Gas hydrate inhibitor	*	*	*	*			10-40%	Y		
NF3	Gas hydrate & shale inhibitor	*	*	*	*			5-40%	Y		
OMNI-LUBE	EP lubricant for emulsion systems	*	*	*	*						
PENETREX	ROP enhancer	*	*	*	*			2-3%	Y		
PENETREX NS	ROP enhancer	*	*	*	*			2-3%	Y		
PROTECTOMAGIC	Oil soluble, air-blown asphalt used with oil	*	*	*	*			2-6			
PROTECTOMAGIC M	Water-dispersible, air-blown asphalt	*	*	*	*			2-6	Y		
TERRA-RATE	ROP enhancer for TERRA-MAX	*	*	*	*						
TEQ-LUBE II	Water soluble lubricant	*	*	*	*			2-3%			
BAROID FLUID SERVICES											
BARO-LUBE GOLD SEAL	Surfactants/lubricant blend	*	*	*	*			2.0-6.0		Y	
BARO-LUBE NS	Surfactants/lubricant blend	*	*	*	*			2.0-6.0			
CMO-568	Oil mud lubricant	*	*	*	*			2.0-6.0	Y		
DRIL-N-SLIDE	ROP enhancer	*	*	*	*			2.0-5.0%	Y	Y	
EZ SPOT	Spotting fluid concentrate	*	*	*	*			as needed			
ENVIRO-TORQ	Broad-spectrum lubricant	*	*	*	*			2.0-6.0		Y	
EP MUDLUBE	Extreme-pressure lubricant	*	*	*	*			2.0-6.0		Y	
EZ GLIDE	Lubricant	*	*	*	*			1.0-3.0			
GRAPHITE	Carbon platelets	*	*	*	*			5.0-40.0			
LIQUI-DRIL	ROP enhancer	*	*	*	*			<1.0			
LUBRA-BEADS	Copolymer bead lubricant, F and C	*	*	*	*			4.0-8.0			
NXS-LUBE	Extreme-pressure lubricant	*	*	*	*			2.0-8.0		Y	
QUIK-FREE	High performance spotting fluid	*	*	*	*			As needed			
QUIK-FREE NS	North Sea compliant spotting fluid	*	*	*	*			As needed			
STICK-LESS 20	Spherical glass beads	*	*	*	*			4.0-8.0	Y	Y	
TORQ-TRIM 22	Lubricant	*	*	*	*			2.0-6.0			
TORQ-TRIM II	Lubricant	*	*	*	*			2.0-6.0	Y	Y	
TORQ-TRIM II PLUS	Lubricant	*	*	*	*			2.0-6.0			
TORQUE-LESS DI-170	Spherical glass beads	*	*	*	*			4.0-8.0	Y	Y	
XLR-RATE	ROP enhancer	*	*	*	*			1.0-4.0			Y
BASF											
BASODRILL 1000	Glycol ether lubricant	*	*	*	*			3-6%			
BJ SERVICES											
FRO-18	Liquid friction reducer for well treatments	*	*	*	*			As needed			
FRS-12	Liquid friction reducer for well treatments	*	*	*	*			As needed			
FRW-14	Liquid friction reducer for well treatments	*	*	*	*			As needed	E	Y	Y
FRW-15	Liquid friction reducer for well treatments	*	*	*	*			As needed	E	Y	Y
FRW-16	Liquid friction reducer for well treatments	*	*	*	*			As needed	E	Y	Y
ECOGLIDE™	Lubricant	*	*	*	*			As needed	Y	Y	
BOYSENBLUE/CELTEC INTERNATIONAL											
BLN SEAL	Cellulose fiber	*	*	*	*			6	Y		
MEGASLIDE	Glass beads 'C'	*	*	*	*			10		Y	
SUPERSLIDE	Glass beads 'M' & 'F'	*	*	*	*			10		Y	
CESCO CHEMICAL											
CESCO WBL-1600	Water-based lubricant	*	*	*	*			2-4%			Y
CHANDLER											
ALPHA BORELUBE	Environment Safe Lubricant	*	*	*	*			5 - 8.0			
ALPHA SAVESPOT	Spotting Fluid	*	*	*	*			1.0 - 5.0			
COGNIS											
DEHYLUB 197	Lubricant for silicate muds, alcohol based	*	*	*	*			2-6			
DEHYLUB 586	Environ. Friendly lubricant, ester based	*	*	*	*			1-4			
DEHYLUB 1037	OBM lubricant, ester based	*	*	*	*			1-3			
DEHYLUB 1111	OBM/WBM lubricant, esterblend	*	*	*	*			1-3			
DEHYLUB 1200	WBM lubricant, ester based	*	*	*	*			1-3			
DEHYLUB 1222	WBM lubricant, ester based	*	*	*	*			1-3			
DEHYLUB 1757	WBM lubricant, ester based	*	*	*	*			1-5			

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CRODA											
ESLTADRIL L100	Silicate and calcium tolerant lubricant for water based muds	*	*	*	*			2-5%			
KEMELIX VG20WAN	Shale swell inhibitor	*	*	*	*			2-5%			
KEMELIX VG45WAN	Saturated salt shale swell inhibitor	*	*	*	*			2-5%			
KEMELIX 7423X	Shale swell inhibitor	*	*	*	*			2-5%			
DRILLSAFE JANEL		*	*	*	*						
MULTILUBE A	Non-polluting EP lubricant	*	*	*	*			1-5			
MULTILUBE B	Salt water EP lubricant	*	*	*	*			1-5			
MULTI-POL SP	Pipe-freeing agent	*	*	*	*			1.5-3			
DSC INC.											
TORKEASE	Non-hydrocarbon, temperature stable drilling lubricant	*	*	*	*			0-4			Y
ECOFUIDS											
ECOFREE	Pipe Freeing Agent	*	*	*	*						
DRILLFAST	ROP Enhancer	*	*	*	*			4-8			Y
STRATABEADS	Glass Beads	*	*	*	*			10-40			
STRATALUBE	Glycol EP Lubricant	*	*	*	*			2%-6%			Y
GUMPRO CHEMICALS											
GEL DET	Mud detergent	*	*	*	*						Y
GEL EPLUBE	Extreme pressure	*	*	*	*						Y
H2O BASE		*	*	*	*						
GEL FREE	Spotting fluid	*	*	*	*						Y
GEL LUBE	Lubricant - water based	*	*	*	*			1-2			Y
HORIZON PRODUCTS											
GEO-MEG	Methyl glucoside	*	*	*	*			2-3			Y
IMPACT FLUID SOLUTIONS											
KFA2000	Liquid lubricant	*	*	*	*			1%-5%			
KEM-TRON TECHNOLOGIES											
K LUBE	Hydrocarbon lubricant	*	*	*	*						
LAMBERTI SPA											
LUBE OBM	Effective lubricant for oil and water based fluids	*	*	*	*			1-3%			
LUBRICANT 73	Effective water soluble lubricant	*	*	*	*			1-3%			
LUBRICANT CD	Drilling lubricant	*	*	*	*			5-5			
LUBRICANT EP	Extreme pressure lubricant	*	*	*	*			1-3%			
LUBRICANT EP/S	Sulphide based extreme pressure lubricant	*	*	*	*			1-3%			
LUBRICANT F/458	HPHT drilling lubricant	*	*	*	*			5-5			
LUBRICANT RB	Non toxic lubricant	*	*	*	*			5-5			Y
PRESANTIL	Spotting fluid concentrate	*	*	*	*			5-20			
PRESANTIL W	Weighted spotting fluid concentrate	*	*	*	*			30			
PRESANTIL WNF	Weighted spotting fluid concentrate	*	*	*	*			30-50			
LAMBERTI USA											
PRESANTIL USP	Unweighted spotting fluids	*	*	*	*						
PRESANTIL WSP	Weighted spotting fluids	*	*	*	*						
PRESANTIL 873	Hydrocarbon free spotting fluids	*	*	*	*						
LUBRICANT 479	General purpose lubricant	*	*	*	*			1-3%			
LUBRICANT EPS	Extreme pressure lubricant	*	*	*	*			1-3%			
LUBRICANT OBM	Invert muds lubricant	*	*	*	*			1-3%			
LIQUID CASING											
LIQUID CASING	Polycrystalline	*	*	*	*			8			Y
LIQUID CASING II	Polycrystalline	*	*	*	*			6			Y
O-M SEAL	Polycrystalline	*	*	*	*			50			Y
MAYCO WELLCHEM											
KLEEN-PAK	Completion fluid package	*	*	*	*			2-3			
MAYCO SLURRY	Lost circulation spotting fluid	*	*	*	*			50			
OILSPOT-FT	Spotting fluid package	*	*	*	*			75			
OILSPOT-L	Premium weighted spotting fluid	*	*	*	*			24			
OILSPOT-P	Spotting fluid package	*	*	*	*			50			
POLY-SLUICK	Copolymer bead lubricant	*	*	*	*			4			Y
SLICKPIPE	Mud lubricant	*	*	*	*			4			
SLICKPIPE EP	Extreme pressure mud lubricant	*	*	*	*			4			Y
STUCK-BREAKER	Pipe freeing compound	*	*	*	*			8			
STUCK-BREAKER-W	Weighted spotting fluid	*	*	*	*			12			
M-I SWACO											
DRILFREE	High-performance lubricant, antisticking agent	*	*	*	*			1-3%		Y	N
DRIL-KLEEN	Anti bit balling agent	*	*	*	*			0.2-1		N	N
DRIL-KLEEN II	Anti bit balling agent	*	*	*	*			0.2-0.5		N	N
GLYDRIL GP	Polyalkylene glycol with low cloud point	*	*	*	*			7-17.5		Y	N
GLYDRIL HC	Polyalkylene glycol with high cloud point	*	*	*	*			7-17.5		N	N
GLYDRIL LC	Polyalkylene glycol with low cloud point	*	*	*	*			7-17.5		Y	N
GLYDRIL MC	Polyalkylene glycol with medium cloud point	*	*	*	*			7-17.5		Y	N
G-SEAL	Coarse sized graphite	*	*	*	*			15-20		Y	Y
INHIBYCOL XT	Wide-molecular-weight glycol	*	*	*	*			7-17.5			
LOTORQ	Lubricant for FLOPRO system in Alaska	*	*	*	*			1-3 vol%			
LUBE XLS	Extreme pressure lubricant	*	*	*	*			1-6			Y
LUBE-100	Low-toxicity lubricant	*	*	*	*			4-6		N	N
LUBE-167	Lower-toxicity lubricant	*	*	*	*			4-16		Y	N
LUBE-776	Lubricant for LSND muds	*	*	*	*			1-3 vol%			
LUBE 945	WBM lubricant	*	*	*	*			4-16			
LUBE-PLEX	Lubricant	*	*	*	*						
M-I LUBE	General-purpose lubricant	*	*	*	*			1-3%		N	N

Product name	Description	Dispersed	Nondispersed	Saturated salt	Fresh water	Oil-based	Synthetic fluid	Normal concentration usage (lb/bbl)	HOCNF classification	Ponor listing available	Passed LC50 test
STARGLIDE	Lubricant for WBMs	*	*	*	*	*		1-3 vol%			
STEEL-LUBE EP	Extreme-pressure lubricant	*	*	*	*	*		1-3 vol%			
ULTRAFREE	ROP Enhancer for the ULTRADRIL system	*	*	*	*	*		1-2 vol%			
ULTRAFREE L	Low-cost anticrete	*	*	*	*	*		1-2 vol%			
ULTRAFREE NH	Non-hydrocarbon version of ULTRAFREE	*	*	*	*	*		1-2 vol%			
VERSALUBE	Oil-soluble lubricant	*	*	*	*	*		1-3	N	N	
MONTELLO											
HME ENERGIZER	Selective non-ionic wetting agent	*	*	*	*	*		0.1-1			Y
NEWARK DRILLING FLUIDS											
DYNACOL	Glycol shale stabilizer	*	*	*	*	*		0.7-5 vol%			
DYNAFREE	Blend of lubricants & surfactants	*	*	*	*	*					
NEW100	Blend of polyglycerines	*	*	*	*	*		3-4 vol%			
NEW100 N	Blend of polyglycerines	*	*	*	*	*		3-4 vol%			
NEWWEASE 203	Modified ester	*	*	*	*	*		2-5 vol%			
NEWWEASE HT	Synthetic ROP enhancer	*	*	*	*	*		2-5 vol%			
SAFEVERT SFT	1-sack blend of emulsifiers & gellants	*	*	*	*	*					
TOPSPOT	Non-toxic organic blend	*	*	*	*	*					
PRIME ECO GROUP INC.											
DTS-2002	Polyalcohol no cloud point	*	*	*	*	*		3%-10%			Y
PROGRESS CHEMICAL SALES											
ENVIRO-BEADS	Carbon beads	*	*	*	*	*		7			
ENVIRO-SLUCK	Blended polyglycerols	*	*	*	*	*		2			
ENVIRO-SLIDE	Silicone treated beads	*	*	*	*	*		4-6			
TORQ-LUBE	Diesel based lubricant	*	*	*	*	*		2			
SETAC											
DRILLFAST	Triglyceride ester micro emulsion	*	*	*	*	*		4 to 14			Y
DRILLFAST BASE	Triglyceride ester base	Y									
SPECIAL PRODUCTS											
PRODUCT 6055	Spotting compound	*	*	*	*	*					
PRODUCT 6064	Drilling pipe lubricant (low toxicity)	*	*	*	*	*		1-2			
STRATA CONTROL SERVICES, INC.											
STRATA-LUBE	Liquid Lubricant	*	*	*	*	*		1-3%			Y
SUPER GLIDER BEADS	Glass Drilling & Spotting Beads	*	*	*	*	*		5 - 50 PPB			
SUN DRILLING PRODUCTS											
C-MUL (PAO)	Polyalphaolefin, ROP enhancer	*	*	*	*	*		3%			Y
COASTAL SPOT (PAO)	Stuck pipe, spotting fluid	*	*	*	*	*		As needed			Y
COASTALUBE (PAO)	PAO-based lubricant & ROP enhancer	*	*	*	*	*		3%			Y
EZE-SLIDE	Lubricant	*	*	*	*	*		1-2%			Y
LIQUIBEADS	Liquid mechanical lubricant	*	*	*	*	*		2%			Y
LUBRA GLIDE	Mechanical, solid lubricant	*	*	*	*	*		4-6 lbs/bbl			Y
TBC-BRINAD											
CL FREE	Multivalent, non-volatile amine							1-3% by vol			
INHIBISAL ULTRA	Low molecular weight polyglycol	*	*	*	*	*		3% by vol	Y		
INHIBISAL ULTRA B	Low molecular weight polyglycol	*	*	*	*	*		3% by vol	Y		
LUBETEX	Lubricant	*	*	*	*	*		0.5 gpb	Y		
TETRA TECHNOLOGIES, INC.											
CT 100 FR	Friction reducer					*					
CT 200 FR	Friction reducer					*					
PAYZONE FLC SLICK	Solids free pill	*	*	*	*	*					
PAYZONE	Solids free pill	*	*	*	*	*					
SMARTSEAL PAD		*	*	*	*	*					
PAYZONE STRATA GLIDE	Lubricant	*	*	*	*	*					
TETRAGLIDE	Water-soluble brine lubricant	*	*	*	*	*		0.6vol%	N	N	
TURBO-CHEM INTERNATIONAL											
TURBO-LUBE	Lubricant	*	*	*	*	*		2%			Y
VENTURE CHEMICALS											
VEN-LUBE II		*	*	*	*	*		6-10			Y
WEATHERFORD INTERNATIONAL LTD.											
ALPHA 6111	Low toxicity spotting fluid	*	*	*	*	*		0.5-2			
ALPHA 6151	Lubricant/spotting fluid	*	*	*	*	*		0.5-2			
ALPHA 6156	Lubricant/spotting fluid	*	*	*	*	*		0.5-2			
ALPHA 6177	Dispersant lubricant, low tox.	*	*	*	*	*		0.5-2			
WELL-FLOW TECHNOLOGIES											
KOPLUS D14	Med/high weight filter cake dissolver	*	*	*	*	*			D		
KOPLUS D17	High/extreme weight filter cake dissolver	*	*	*	*	*			D		
KOPLUS LL	Water base fluid pipe release additive	*	*	*	*	*			E		
KOPLUS LO	Water/Oil base fluid pipe release additive	*	*	*	*	*			E		
SUPER PICKLE	Blend of solvents	*	*	*	*	*			C		
SURFACTANTS											
AMBAR											
AMDMO	Drilling mud detergent	*	*	*	*	*		0.1-0.4			Y
AMFLUSH	Well wash	*	*	*	*	*		55/100			
HME	Surface active agent	*	*	*	*	*					
AQUA-CLEAR INC.											
AIRFOAM 311	Foaming agent heavy salt water		*	*	*	*		0.05 ga/bbl			
AIRFOAM 511	Foaming agent fresh water and mild salt water		*	*	*	*		0.05 ga/bbl			
AIRFOAM AP-50	Foaming agent fresh water and mild salt water		*	*	*	*		0.05 ga/bbl			
AIRFOAM B	Foaming agent heavy salt water	*	*	*	*	*		0.05 ga/bbl			
AIRFOAM HD	Foaming agent for oil-oil tolerant	*	*	*	*	*		0.05 ga/bbl			
AIRFOAM 418	All-purpose foaming agent- oil tolerant	*	*	*	*	*					
BAKER HUGHES DRILLING FLUIDS											
BIO-COTE	Wetting agent for synthetic systems	*	*	*	*	*		2.4-24 L/m ³	Y		
CASING WASH 100	Casing cleaner	*	*	*	*	*					
CASING WASH 200	Casing cleaner	*	*	*	*	*					
CASING WASH 300	Solvent/surfactant for casing clean-up	*	*	*	*	*					

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FLOW-CLEAN	Solvent for wellbore clean-up	*	*	*	*	*					
MD	Biodegradable drilling fluid detergent	*	*	*	*	*					
MIL-BREAK 943	Drill-in fluid demulsifier	*	*	*	*	*					
MIL-CLEAN	Water-soluble, biodegradable detergent/rig wash	*	*	*	*	*					
MIL-CLEAN E	Biodegradable cleaner/degreaser	*	*	*	*	*					
NF2	Gas hydrate inhibitor	*	*	*	*	*		10-40%			
NF3	Gas hydrate inhibitor	*	*	*	*	*		5-40%			
OMNI-COTE	Wetting Agent	*	*	*	*	*					
RISER WASH	Solvent blend for riser clean-up	*	*	*	*	*					
SURF COTE	Wetting agent	*	*	*	*	*					
BAROID FLUID SERVICES											
AKTAFLO-S	Non-ionic surfactant	*	*	*	*	*		0.5-7.0			Y
AQUATONE-S	Non-ionic surfactant	*	*	*	*	*		0.5-7.0			Y
BARAKLEAN	Degreaser and oil mud remover	*	*	*	*	*		As needed			Y
BARAKLEAN DUAL	Surfactant/solvent blend for casing cleaning	*	*	*	*	*		Push Pill			
BARAKLEAN FL	Wellbore cleaner for displacement	*	*	*	*	*		5% in H2O			Y
BARAKLEAN FL PLUS	Wellbore cleaner for displacement	*	*	*	*	*		5% in H2O	Y		Y
BARAKLEAN GOLD	Wellbore cleaner for displacement	*	*	*	*	*		5% in H2O	Y		Y
BARAKLEAN NS PLUS	Wellbore cleaner for displacement	*	*	*	*	*		5% in H2O	Y		Y
BARASTIM	Time-delayed filter-cake breaker	*	*	*	*	*		as needed			
BAROID RIG WASH	Cleaning/degreasing compound	*	*	*	*	*		as needed			
CON DET	Mud detergent	*	*	*	*	*		0.25-1.0			Y
CON DET E	Surfactant blend	*	*	*	*	*		0.25-1.0	Y		Y
DHT FOAM	Foaming agent	*	*	*	*	*		0.02-2.0%			
DRILFOAM	Foaming agent	*	*	*	*	*		0.1-1.0%			Y
DRILTREAT	Oil wetting agent	*	*	*	*	*		0.25-2.0	Y		Y
EXTENSOL	Salt crystal growth inhibitor	*	*	*	*	*		0.2-0.5			
INHIBI-TAR	Tar zone stabilizer	*	*	*	*	*		Pill form			
N-FLOW 325, 408, 412, 457	Time/temperature controlled breakers	*	*	*	*	*		as needed			
PIPESCRUB	Pipe dope remover	*	*	*	*	*		as needed			
QUIK-FOAM	Foaming agent	*	*	*	*	*		0.02-2.0%			
BASF											
BASOCLEAN 40	Biodegradable foamer for drilling and stimulation fluids	*	*	*	*	*		0.1-1			
BASOSOL	Non-ionic surfactants	*	*	*	*	*		1-6			
BJ SERVICES											
APS-1	Weightable wash for WBM	*	*	*	*	*		As needed			
CLAYMASTER 5-C	Polymeric shale inhibitor	*	*	*	*	*		0.1-1.2%			
DEFOAMER	Defoaming agent for completion fluids	*	*	*	*	*		As needed			
FAW-1	Foaming agent for well treatments	*	*	*	*	*					
FAW-4	Foaming agent for well treatments	*	*	*	*	*					
FAW-5	Foaming agent for well treatments	*	*	*	*	*					
FAW-18W	Foaming agent for well treatments	*	*	*	*	*					
FAW-21	Foaming agent for well treatments	*	*	*	*	*					
FLTO-BACK™ 20	Gas well treatment surfactant	*	*	*	*	*		0.1-1.0%			
LT-32	Oil well treatment surfactant	*	*	*	*	*		0.1-1.2%			
MCS-2	Casing wash for water-based fluids	*	*	*	*	*		As needed			
MCS-3	Casing wash for water-based fluids	*	*	*	*	*		As needed			
MCS-4	Casing wash for water-based fluids	*	*	*	*	*		As needed			
NOMUL™ Z	Non-emulsifier for calcium / zinc brines	*	*	*	*	*		0.5-1.0 vol %			
OB-1	Weightable wash for OBM	*	*	*	*	*		As needed	Y		Y
OB5	Casing wash for oil and synthetic mud	*	*	*	*	*		2-20%	Y		Y
SPACER S	Casing wash for oil and synthetic mud	*	*	*	*	*		2-20%			
SYNWASH	Casing wash for oil and synthetic mud	*	*	*	*	*		2-20%			
TECHNI-CLEAN™ 4570	Pickling solvent	*	*	*	*	*		As needed			
TECHNI-CLEAN™ 4575	Casing wash for oil and synthetic mud	*	*	*	*	*		As needed			
TECHNI-CLEAN™ 4580	Pickling solvent	*	*	*	*	*					
TURBO SOLVENT	Casing wash for oil and synthetic mud	*	*	*	*	*		As needed			
ULTRA FLUSH	Weightable WBM/OBM casing wash	*	*	*	*	*		As needed			
ULTRA FLUSH II	Weightable WBM/OBM casing wash	*	*	*	*	*		As needed			
WATER BASE SOAP	Casing wash for water-based fluids	*	*	*	*	*		2-20%			
WELL WASH™ 100	Casing wash for water-based fluids	*	*	*	*	*		2-20%			
WELL WASH™ 120	Waterbase mud cleaner	*	*	*	*	*		2-20%			
WELL WASH™ 150	Casing wash for water-based fluids	*	*	*	*	*		2-20%			
WELL WASH™ 440	Casing wash for oil and synthetic mud	*	*	*	*	*		2-20%	E		Y
WELL WASH™ 2000	Casing wash for oil and synthetic mud	*	*	*	*	*		2-20%			
WELL WASH™ 2020	Casing wash for oil and synthetic mud	*	*	*	*	*		10-20%			
WELL WASH™ 2050	Casing wash for oil and synthetic mud	*	*	*	*	*		2-20%			
WELL WASH™ 3000	Casing wash for oil and synthetic mud	*	*	*	*	*		2-20%			
WELL WASH™ 610G	Casing wash for oil and synthetic mud	*	*	*	*	*		2-20%	E		Y
COGNIS											
SULFOTEX 853 B	Foamer	*	*	*	*	*		0.5-3			
SULFOTEX 1137	Foamer	*	*	*	*	*		0.5-3			
SULFOTEX 1138	Foamer	*	*	*	*	*		0.5-			

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SYNERGONIC A 11	Wetting agent							0.01-1.0%			
SYNERGONIC LF/RA 320	High temperature Low foam wetting agent							0.01-1.0%			
SYNERGONIC NCA 850	Environment friendly low foaming wetting agent						*	0.01-1.0%			
TWEEN 80	Oil Spill Dispersants	*	*	*	*			40-60%			
TWEEN 85	Oil Spill Dispersants	*	*	*	*			40-60%			
DEEP SOUTH CHEMICAL											
DSC FOAMING AGENT	Foamer	*	*	*	*			1-2%			
WELL WASH I	Casing wash for water-based fluids	*	*	*	*			3-7%			
WELL WASH II	Casing wash for oil base fluids	*	*	*	*			3-7%			
DSC INC.											
SHALEASE	Shale stabilizer, Aluminum Blend	*	*	*	*			2.0-8.0			
DRILLING SPECIALTIES COMPANY											
PROD NES - 200	Non emulsifying Surfactant				*			0.1 - 0.2 %			
DRILLSAFE JANEL											
MULTI-FOAM	Foaming agent	*	*	*	*						
KEM-TRON TECHNOLOGIES											
KEM DET	Proprietary surfactant	*	*	*	*						
LAMBERTI SPA											
ALBISOL CF	Wellbore cleaner environmental friendly	*	*	*	*	*	*	2-10%			Y
ALBISOL DM	Effective washer/spacer	*	*	*	*	*	*	2-10%			
ALBISOL OE	Solvent based pipe cleaner	*	*	*	*	*	*	2-10%			
DRILITAL 131	Drilling detergent	*	*	*	*	*	*	1-10			
EMULAM PE	Primary emulsifier	*	*	*	*	*	*	1-10			
EMULAM PE/HT	HPHT Primary emulsifier for OBM	*	*	*	*	*	*	1-10			
EMULAM SE	Secondary emulsifier	*	*	*	*	*	*	1-10			
ESAPAL DME	Drilling mud emulsifier	*	*	*	*	*	*	1-10			
ESAPAL DMS	Drilling mud surfactant	*	*	*	*	*	*	1-10			
FOAMEX S	Foaming agent	*	*	*	*	*	*	1-10			
FOAMEX TS	Concentrate forming agent	*	*	*	*	*	*	0.5-5			
LAMBERTI USA											
DRILITAL 389	Drilling fluids surfactant	*	*	*	*	*	*	1-10			
ALBISOL DET	Drilling detergent & anti bit balling agent	*	*	*	*	*	*	1-10			
CLEAR RIG	Effective cleaning agent	*	*	*	*	*	*	1-10			
MAYCO WELLCHEM											
MAYCO TREAT	Surfactant de-emulsifier	*	*	*	*	*	*	0.2-0.5			
M-I SWACO											
CLEAN UP	Surfactant blend	*	*	*	*	*	*	1-100%	N	N	
D-D	Drilling detergent	*	*	*	*	*	*	0.5-6	N	N	Y
D-SPERSE	Surfactant	*	*	*	*	*	*	0.25-1 vol%			
DRILFREE	Lubricant, antisticking agent	*	*	*	*	*	*	1-3%	Y	N	
DRIL-KLEEN	Low-toxicity detergent	*	*	*	*	*	*	0.2-1	N	N	Y
DRIL-KLEEN II	Anti bit balling agent	*	*	*	*	*	*	0.2-0.5	N	N	
DRILZONE	ROP enhancer	*	*	*	*	*	*	1-2 vol%			
DRILZONE L	Low-cost anticrete	*	*	*	*	*	*	1-2vol%			
DRILZONE NS	ROP enhancer	*	*	*	*	*	*	1-2vol%			
DRILZONE II	ROP enhancer	*	*	*	*	*	*	1-2vol%			
HYDRABLOK	Deepwater hydrate inhibitor	*	*	*	*	*	*	5 vol%			
SAFE-SURF E	Non-ionic wellbore cleaning agent for OBM and WBM	*	*	*	*	*	*	2-5 vol%			
SAFE-SURF NS	Non-ionic surfactant blend	*	*	*	*	*	*	2-10%			
SAFE-SURF O	Concentrated surfactant for wellbore clean-up	*	*	*	*	*	*	2-20%	N	N	
SAFE-SURF W	Surfactant-base detergent	*	*	*	*	*	*	2-10%	N	N	
SAFE-SURF WE	Non-ionic surfactant blend	*	*	*	*	*	*	2-10%	N	N	
SAFE-SURF WN	Displacement wash chemical for WBM	*	*	*	*	*	*	2-10%	N	N	
SAFE-T-PICKLE	Pipe dope solvent	*	*	*	*	*	*	100%			
SCREENKLEEN	Stops screen blinding from tar & heavy oil	*	*	*	*	*	*	0.5-1 vol%			
TARSURF	Water-wetter for the SAGDRIIL system	*	*	*	*	*	*	0.02-0.5 vol%			
ULTRAFREE	ROP enhancer for ULTRADRIL system	*	*	*	*	*	*	1-2 vol%			
ULTRAFREE L	Low-cost anticrete	*	*	*	*	*	*	1-2vol%			
ULTRAFREE NH	Non-hydrocarbon version of ULTRAFREE	*	*	*	*	*	*	1-2vol%			
ULTRAFREE NS	ROP enhancer for WBM	*	*	*	*	*	*	1-2 vol%			
ULTRAFREE II	ROP enhancer for ULTRADRIL system	*	*	*	*	*	*	1-2 vol%			
VERSATRIM	Reduces oil on cuttings for OBM	*	*	*	*	*	*	2-6			
MONTELLO											
HME ENERGIZER	Wetting agent, coupler for gilsonite	*	*	*	*	*	*	0.1 - 0.5 PPB	N	N	Y
NEWARK DRILLING FLUIDS											
CYBER MUL	Low toxicity emulsifier	*	*	*	*	*	*				
CYBER PLUS	Low toxicity emulsifier	*	*	*	*	*	*				
DYNADET	Detergent	*	*	*	*	*	*	0.17-0.8			
DYNAMUL 204	Oil-in-water emulsifier	*	*	*	*	*	*	1-2			
GILSONITE COUPLER	Non-ionic gilsonite surfactant	*	*	*	*	*	*	0.1-0.3			
OPTI MUL	Organic emulsifier	*	*	*	*	*	*				

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OPTI PLUS	Organic emulsifier					*					
OLEON N.V.											
RADIAGREEN CLO	Stimulation additive & mud cake breaker					*	*				
RADIAGREEN CLW	Cased hole cleaner	*	*	*	*	*	*				
PROGRESS CHEMICAL SALES											
ENVIRO-CLEAN	Rig wash	*	*	*	*	*	*		As needed		
ENVIRO-DET	Drilling detergent	*	*	*	*	*	*	0.05			
SETAC											
SETA - SURF	Surfactant	*	*	*	*	*	*	0.5-1			
SPECIAL PRODUCTS											
PRODUCT 2077	Unique corrosion inhibiting oxygen scavenger	*	*	*	*	*	*	1-4			
PRODUCT 6099	High-Temp DMS Shale Dispersant Surfactant	*	*	*	*	*	*	1-4			
STRATA CONTROL SERVICES, INC.											
STRATA-COUPLER TBC-BRINADD	Liquid Coupling Surfactant	*	*	*	*	*	*	0.2 - 0.5%			Y
HYVAL ACTIVATOR											
HYVAL ACTIVATOR	Catalyst for polymer hydration	*	*	*	*	*	*	0.5 gal/bbl			
TETRA TECHNOLOGIES, INC.											
TDSP II OMD	Surfactant wash	*	*	*	*	*	*				
TDSP II O-SOL	Surfactant wash	*	*	*	*	*	*				
TDSP II O-SOL PLUS	Surfactant wash	*	*	*	*	*	*				
TETRA OMD	Surfactant wash	*	*	*	*	*	*				
TETRA O-SOL	Surfactant wash	*	*	*	*	*	*				
TETRASOL	Surfactant wash	*	*	*	*	*	*				
WEATHERFORD INTERNATIONAL LTD.											
ALPHA 6177	Low toxicity, dispersant	*	*	*	*	*	*	0.1-0.4			
ALPHA CLEAN O	Casing wash/pipe dope, low toxicity	*	*	*	*	*	*				
ALPHA CLEAN W	Casing wash, toxicity	*	*	*	*	*	*				
CAT-FOAM	Cationic foaming agent	*	*	*	*	*	*	0.02-0.2 gal/bbl			
CWF-311RC	Multi-purpose air-foam drilling surfactant	*	*	*	*	*	*	0.02-0.2 gal/bbl			
CWF-418	All-purpose, oil-tolerant air-drilling surfactant	*	*	*	*	*	*	0.02-0.2 gal/bbl			
CWF-419	Oil-tolerant surfactant for high TDS brines	*	*	*	*	*	*	0.02-0.2 gal/bbl			
CWF-511	Fresh water air-drilling surfactant	*	*	*	*	*	*	0.02-0.2 gal/bbl			
FW-FOAMER	Fresh water air-drilling surfactant	*	*	*	*	*	*	0.02-0.2 gal/bbl			
WELL-FLOW TECHNOLOGIES											
DIRT MAGNET	Alcohol/surfactant blend	*	*	*	*	*	*				Y
HOG WASH	Solvent/surfactant blend	*	*	*	*	*	*				
POWERWASH	Surface cleaner	*	*	*	*	*	*				
RINSE-AID	Complex surfactant blend	*	*	*	*	*	*				
RINSE-AID "E"	Complex surfactant blend	*	*	*	*	*	*			E	
THINNERS/DISPERANTS											
AMBAR											
AMCLS	Chrome lignosulfonate	*	*	*	*	*	*	2-6			Y
AMLIG	Processed lignite	*	*	*	*	*	*	6			Y
AMSAPP	Sodium acid pyrophosphate	*	*	*	*	*	*	0.1-0.25			Y
AMSPERSE	Modified lignosulfonate	*	*	*	*	*	*	0.25-5			Y
CHEMTHIN	Polymeric deflocculant	*	*	*	*	*	*	1-4			Y
DESCO	Modified tannin	*	*	*	*	*	*	3			Y
DRILLTHIN	Organic mud thinner	*	*	*	*	*	*	0.25-3			Y
AQUALON											
AQU D-3536	Cellulosic dispersant and fluid loss additive	*	*	*	*	*	*	1-3			Y Y
BAKER HUGHES DRILLING FLUIDS											
ALL-TEMP	Water-base deflocculant/rheological stabilizer with special applications in HT environments	*	*	*	*	*	*	0.5-2			Y
FILTREX	Polyanionic lignin resin	*	*	*	*	*	*	2-6			
MIL-TEMP	Sulfonated styrene, maleic anhydride co-polymer to stabilize flow properties of water-base fluids	*	*	*	*	*	*	1-2			Y
NEW-THIN	Synthetic deflocculant	*	*	*	*	*	*				
SAPP	Sodium acid phosphate	*	*	*	*	*	*				Y
UNI-CAL	Chrome-modified sodium lignosulfonate	*	*	*	*	*	*	2-6			Y
UNI-CAL CF	Chrome-free lignosulfonate	*	*	*	*	*	*	1-5			Y
BAROID FLUID SERVICES											
ATC	All temperature thinner	*	*	*	*	*	*	1.0-3.0			
BARAFOS	Sodium polyphosphate compound	*	*	*	*	*	*	0.1-1.0			Y
BARATHIN-PLUS	Modified lignosulfonate	*	*	*	*	*	*	2.0-6.0			Y
CARBONOX	Leonardite	*	*	*	*	*	*	2.0-12.0		Y	Y
COLDTROL	Cold temperature thinner	*	*	*	*	*	*	1.0-3.0			Y
DEEP-TREAT	Wetting agent	*	*	*	*	*	*	1.0-6.0			Y

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FLUID LOSS

SYN-Seal

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E Z SQUEEZE

LOST CIRCULATION

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Product name	Description	Dispersed	Nondispersed	Saturated salt	Fresh water	Oil-based	Synthetic fluid	Normal concentration usage (lb/bbl)	HOCNF classification	Prior listing available	Passed LC50 test
ENVIRO-THIN	Chrome-free lignosulfonate	*	*	*	*			2.0-6.0	Y	Y	Y
LIGNOX PLUS	Lignosulfonate thinner for lime muds	*	*	*	*			2.0-10.0			
OMC	Oil mud conditioner					*	*	25-1.5			
OMC 42	Oil mud conditioner					*	*	25-1.5	Y	Y	
OMC 2	Oil mud conditioner					*	*	0.1-0.5			
OMC 3	Oil mud conditioner					*	*	0.1-1.0	Y		
QUIK-THIN	Ferrocchrome lignosulfonate	*	*	*	*			1.0-8.0			
SAPP	Sodium acid polyphosphate	*	*	*	*			0.1-0.5	Y	Y	
THERMA-FLOW 500	High temperature dispersant	*	*	*	*			1-4 vol%		Y	
THERMA-THIN	High temperature deflocculant	*	*	*	*			0.1-4.0	Y	Y	
BASF											
POLYTHIN	Synthetic high temp. deflocculant	*	*	*	*			0.5-1	Y	Y	Y
BOYSENBLUE/CELTEC INTERNATIONAL											
BLN THIN	Polymer liquid deflocculant	*	*	*	*						
CHANDLER											
ALPHA THIN	Thinner / Dispersant	*	*	*	*			2-2.0			
ALPHA TEMP	Thinner / Dispersant	*	*	*	*			2-2.0			
COGNIS											
TERRADRIL D 408	Wetting agent					*	*	0.2-2			
TERRADRIL D 988	OBM thinner					*	*	0.2-2			
TERRADRIL D 1135	OBM thinner					*	*	0.2-2			
CRODA											
HYPERMER 2296	Asphaltene dispersant					*	*	1-3%			
HYPERMER 2524	Asphaltene dispersant					*	*	1-3%			
HYPERMER LP1	Dispersant for barytes, metal oxides, hydroxides and carbonates					*	*	1-3%			
KEMELIX 7475X	Asphaltene dispersant					*	*				
MONAWET 5136	Wetting and Dispersing agent	*	*	*	*			1-3%			
DRILLING SPECIALTIES COMPANY											
CF DESCO DEFLOCCULANT	Chrome free modified tannin	*	*	*	*			0.25-6	Y	Y	
CF DESCO II DEFLOCCULANT	Chrome free modified tannin	*	*	*	*			0.25-6	N	Y	
DESCO DEFLOCCULANT	Modified tannin	*	*	*	*			0.25-6	Y	Y	
DRILL-THIN THINNER	Chrome free modified tannin	*	*	*	*			0.25-6	Y	Y	
DRILLSAFE JANEL											
CARBOX S	Polymeric dispersant	*	*	*	*			0.05-1			
MULTICRYL	Acrylic polymer	*	*	*	*			0.05-1			
MULTILIG AF	Alu-iron lignite	*	*	*	*			0.1-2			
MULTILIG K	Potassium lignite	*	*	*	*			0.1-2			
DSC INC.											
THINEASE	Proprietary blend, temperature stable deflocculant/dispersant	*	*	*	*			0-2			
ECOFUIDS											
ECOSPERSER	Oil mud thinner					*	*	1-2 ppb			
ECOSULFONATE	HT liquid thinner	*	*	*	*			0.5-2 ppb		Y	
ECOTHIN E	Liquid thinner	*	*	*	*			1-2 ppb		Y	
HORIZON PRODUCTS											
CONTROL I-910	Deflocculant, calcium control agent	*	*	*	*			3-5		Y	
CONTROL I-920	Deflocculant, calcium control agent	*	*	*	*			3-5		Y	
CONTROL I-930	Deflocculant, calcium control agent	*	*	*	*			3-5		Y	
KELCO OIL FIELD GROUP											
CELPOL ESL	Extreme low visc PAC	*	*	*	*			0.25-2		Y	
KEM-TRON TECHNOLOGIES											
KEM-THIN SUPER	Anionic Polyacrylate, Liquid	*	*	*	*			0.25 to 3.0			
KEM-THIN 5A	Anionic Polyacrylate, Powder	*	*	*	*			0.05 to 2.5			
LAMBERTI SPA											
EMULAM ASB	Superwetting agent for invert muds					*	*	0.5-3			
EMULAMTH	OBM thinner					*	*	0.5-3			
LAMSPERSE 100	High temperature synthetic thinner	*	*	*	*			0.2-3		Y	
LAMSPERSE 300	Calcium resistant, HT synthetic thinner	*	*	*	*			0.2-2		Y	
LAMSPERSE 600	High-temp polymer thinner - cuttings injection	*	*	*	*			0.2-2		Y	
LAMSPERSE CF	Chrome free modified tannin based dispersant	*	*	*	*			0.2-3			
LAMSPERSE TH	Chrome free, modified thannin based thinner	*	*	*	*			0.2-3			
RHEOMATE	Zirconium control agent	*	*	*	*			0.5-5		Y	
LAMBERTI USA											
EMULAM TH	Thinner / dispersant for OBM					*	*	0.5-3			
LAMSPERSE TH	Chrome free modified tannin based dispersant	*	*	*	*			0.2-3			
RHEOMATE	Zirconium complex based dispersant / HT extender	*	*	*	*			0.5-3			
M-I SWACO											
CAUSTILIG	Causticized ground lignite	*	*	*	*			1-15	N	N	Y
IDSPERSE XT	High temp polymeric dispersant	*	*	*	*			0-6	Y	N	
K-17	Potassium causticized lignite	*	*	*	*			1-15	N	N	Y
NOVATHIN	Thinner for synthetic muds					*	*	0.5-2	N	N	Y
NOVAWET	Wetting agent for synthetic muds					*	*	1-5	N	N	Y
RESINEX	High-temperature synthetic resin	*	*	*	*			2-6	N	N	Y
RESINEX II	High-temperature synthetic resin	*	*	*	*			2-10	N	N	Y
RHEDUCE	Thinner and conditioner for the RHELIANT system					*	*	0.1-0.2			
RHEOCHEK	Chrome-free lignosulfonate	*	*	*	*			1-12			
RHEOSPERSER	Polymeric high-temperature deflocculant	*	*	*	*			1-5	N	N	
SHALE CHEK	Shale control & gumbo additive	*	*	*	*			5	N	N	
SPERSENE	Chrome lignosulfonate	*	*	*	*			1-12	N	N	Y

Product name	Description	Dispersed	Nondispersed	Saturated salt	Fresh water	Oil-based	Synthetic fluid	Normal concentration usage (lb/bbl)	HOCNF classification	Prior listing available	Passed LC50 test
SPERSENE CFI	Iron lignosulfonate	*	*	*	*			1-12	N	N	
SPERSENE I	Ferrocchrome lignosulfonate	*	*	*	*			0.5-8	N	N	Y
SURETHIN	Thinner for synthetic RDF systems	*	*	*	*			0.5-2	N	N	Y
SUREWET	Wetting agent for syn. RDF systems	*	*	*	*			1-5	N	N	Y
TACKLE	Sodium polyacrylate	*	*	*	*			0.1-1	N	N	Y
TACKLE DRY	Dry sodium polyacrylate	*	*	*	*			0.1-2	N	N	
TANNATHIN	Ground lignite	*	*	*	*			1-15	N	N	Y
THINSMART	Organic FGA and rheological additive	*	*	*	*			1-6			
VERSATHIN	Surfactant thinner for high-solids OBM	*	*	*	*			0.5-2	N	N	
VERSATHIN HF	Version of VERSATHIN made with VERSACOAT HF	*	*	*	*			0.5-2	N	N	
XP-20 N	Chrome lignite, neutralized	*	*	*	*			1-15	N	N	
XP-20K	Potassium causticized chrome lignite	*	*	*	*			1-15	N	N	Y
NEWARK DRILLING FLUIDS											
FLEXTHIN HTZ	High-temperature thinner	*	*	*	*			0.5-10			
NEWFLOW CF	Chrome-free lignosulfonate	*	*	*	*			2-5			
NEWFLOW	Ferrocchrome lignosulfonate	*	*	*	*			2-5			
NEWLIG	Lignite	*	*	*	*			2-10			
OPTITHIN	Organic thinner	*	*	*	*			0.25-1			
PRIME ECO GROUP INC.											
DTHIN-12	Chrome free thinner	*	*	*	*			0.5 - 2			Y
DTHIN-18	Chrome free thinner for weighted fluids	*	*	*	*			3-6			Y
SETAC											
LIQUI-THINZ	Oxidized manganese lignosulfonate	*	*	*	*			2-6			Y
SPECIAL PRODUCTS											
PRODUCT 63	Wetting agent	*	*	*	*			1-4			
PRODUCT 2075	Wetting agent	*	*	*	*			2-6			
PRODUCT 6099	High-Temp DMS Shale Dispersant Surfactant	*	*	*	*			1-4			
TETRA TECHNOLOGIES, INC.											
FERROBAN	Organic iron reducer and sequestrant	*	*	*	*						
PAYZONE NE 200	Emulsion preventor	*	*	*	*						
PAYZONE NE 300	Emulsion preventor	*	*	*	*						
PAYZONE 1320	Penetrant, wetting agent	*	*	*	*						
TURBO-CHEM INTERNATIONAL											
E Z THIN	Surfactant blend to maintain pumpability & fluidity of E Z Squeeze	*	*	*	*			5.6 lbs/bbl			Y
WEATHERFORD INTERNATIONAL LTD.											
ALPHA 6450	Oil mud thinner	*	*	*	*			0.5-3			
WELL-FLUID TECHNOLOGIES											
RINSE-AID	Complex surfactant blend	*	*	*	*						
RINSE-AID "E"	Complex surfactant blend	*	*	*	*				E		
WEIGHTING AGENTS											
AMBAR											
AMBAR	Barite	*	*	*	*						Y
AMCARB (C)	Calcium carbonate	*	*	*	*			As needed			
AMCARB (F)	Calcium carbonate	*	*	*	*			As needed			
AMCARB (M)	Calcium carbonate	*	*	*	*			As needed			
CALCIUM BROMIDE	Salt	*	*	*	*			As needed			
CALCIUM CHLORIDE	Salt	*	*	*	*			As needed			
HEMATITE	Hematite	*	*	*	*						Y
POTASSIUM CHLORIDE	Salt	*	*	*	*			As needed			
SODIUM BROMIDE	Salt	*	*	*	*			As needed			
SODIUM CHLORIDE	Salt	*	*	*	*			As needed			
BAKER HUGHES DRILLING FLUIDS											
DEEP SWEEP	Coarse ground barite to improve hole cleaning	*	*	*	*						
DENSIMIX	High specific gravity hematite	*	*	*	*					Y	
MIL-BAR	Barite meeting API specifications	*	*	*	*					Y	
MIL-BAR 410	4.1 specific gravity barite	*	*	*	*						
SURF-COTE	Wetting Agent	*	*	*	*						
W.O. 30	Sized, ground calcium carbonate (Multiple grind sizes available)	*	*	*	*					Y	
WO-30 SUPER COARSE	Calcium carbonate	*	*	*	*						
BAROID FLUID SERVICES											
BARACARB 5, 25, 50, 150, 600, 1200	Sized acid-soluble ground marble	*	*	*	*			5.0-60.0	Y	Y	Y
BARACARB DF 5, 25, 50, 150, 600	Sized calcium carbonate	*	*	*	*			5.0-60.0	Y	Y	Y
BARAPLUG 20, 50, 6300	Sized salt particles	*	*	*	*			As needed	Y	Y	Y
BARAWEIGHT	Iron carbonate powder	*	*	*	*			As needed		Y	
BARODENSE	Hematite	*	*	*	*			As needed		Y	
BAROID	Barite	*	*	*	*			As needed	Y	Y	Y
BAROID 41	4.1 specific gravity barite	*	*	*	*			As needed	Y	Y	Y
HEMATITE	Iron oxide	*	*	*	*			As needed		Y	
SWEEP-WATE	Selectively sized barite	*	*	*	*			As needed	Y	Y	Y
BJ SERVICES											
AMMONIUM CHLORIDE	Solid salt for NH4Cl fluids to 9 ppg	*	*	*	*			As needed	E	Y	Y
BARITE	Barite	*	*	*	*				E	Y	Y
CALCIUM BROMIDE	Solid salt for 15.3 ppg	*	*	*	*			As needed	E	Y	Y
CALCIUM CHLORIDE	Solid salt for 11.6 ppg	*	*	*	*			As needed	E	Y	Y
HEMATITE	Iron oxide	*	*	*	*			As needed	E	Y	Y
HYCAL@ I	Calcium chloride solution to 11.6 ppg	*	*	*	*			As needed	E	Y	Y
HYCAL@ II	Calcium bromide solution to 15.1 ppg	*	*	*	*			As needed	E	Y	Y
HYCAL@ III	Zinc bromide solution to 21.5 ppg	*	*	*	*			As needed	E	Y	Y
POTASSIUM CHLORIDE	Solid salt for NoCal fluids to 9.7 ppg	*	*	*	*			As needed	E	Y	Y

Product name	Description	Dispersed	Nondispersed	Saturated salt	Fresh water	Oil-based	Synthetic fluid	Normal concentration usage (lb/bbl)	HOCNF classification	Plonor listing available	Passed LC50 test
POTASSIUM FORMATE	Dry KCOOH for weight up to 13.1 ppg								E	Y	Y
SEAL	Sized calcium carbonate	*	*	*	*			5-50	E	Y	Y
SODIUM BROMIDE	Powder for NoCal fluids to 12.7							As needed	E	Y	Y
SODIUM CHLORIDE	Solid salt for fluids to 10 ppg							As needed	E	Y	Y
SODIUM FORMATE	Dry NaCOOH for weight up to 11 ppg								E	Y	Y
SPACER S	A polymer base weighted fluid								E	Y	Y
BOYSENBLUE/CELTEC INTERNATIONAL											
BLN CARB	Sized calcium carbonate	*	*	*	*	*			Y		
CABOT SPECIALTY FLUIDS											
CESIUM ACETATE	Density to 2.2 sg (18.3 ppg)			*							N
CESIUM FORMATE	Density to 2.3 sg (19.2 ppg)			*					E		N
MIXED FORMATES	Densities from 1 sg to 2.3 sg			*					E	Y	
POTASSIUM FORMATE	Density to 1.57 sg (13 ppg)			*					E		N
SODIUM FORMATE	Density to 1.3 sg (10.8 ppg)			*					E		Y
DRILLSAFE JANEL											
BARITE	OCMA grade	*	*	*	*	*					
DRILLWATE	Calcium carbonate, all grades	*	*	*	*	*					
HI-WATE	Extreme density weight material	*	*	*	*	*	150				Y
IRONOXIDE	Weighting agent H2S remover	*	*	*	*	*					
KLEEN-BAR	Acid soluble weight agent			*	*	*		As needed			
KLEEN-BLOCK	Acid soluble LCM			*	*	*		10-50			
KLEEN-BLOCK-X	Sized carbonate LCM			*	*	*		10-50			
KLEEN-WATE	Completion brines (calcium, zinc)			*	*	*		As needed			
MARITE	High density weight material	*	*	*	*	*	150				Y
MESUCO-BAR	API Barite	*	*	*	*	*	150				Y
SOLUBLE-WATE	Acid soluble weight material	*	*	*	*	*	150				Y
TEMP-WATE	Coarse grind barite	*	*	*	*	*	150				Y
ELKEM AS, MATERIALS											
MICROMAX	Microfine weighting agent (Mn304)	*	*	*	*	*		As needed	Y	Y	Y
GUMPRO CHEMICALS											
GEL BAR	Barytes	*	*	*	*	*	60				Y
MAYCO WELLCHEM											
MAYCO CALWATE	Weighting agent sized calcium carbonate, acid soluble	*	*	*	*	*					
M-I SWACO											
FER-OX	API hematite	*	*	*	*	*	1-500		Y	Y	Y
FLO-WATE	Sized salt			*			40-60			N	N

Product name	Description	Dispersed	Nondispersed	Saturated salt	Fresh water	Oil-based	Synthetic fluid	Normal concentration usage (lb/bbl)	HOCNF classification	Plonor listing available	Passed LC50 test	
LO-WATE	Sized ground limestone	*	*	*	*	*		10-40		N	Y	
M-I BAR	API barite	*	*	*	*	*		1-600	Y	Y	Y	
M-I WATE	4.1 sg barite	*	*	*	*	*		1-600	N	N	Y	
SAFE-CARB	Sized ground marble	*	*	*	*	*		10-50	Y	Y	N	
THRU-CARB	Carbonate for the FLOTHRU system	*	*	*	*	*		6	N	N		
WARP	Micron-sized weighting agent	*	*	*	*	*						
NEWPARK DRILLING FLUIDS												
NEWBAR	Barite	*	*	*	*	*						
NEWCARB	Sized calcium carbonate	*	*	*	*	*						
NORBAR MINERALS AS												
ECOFORM PF75	Potassium formate brine			*						Y	Y	Y
ECOFORM PF97	Potassium formate powder			*						Y	Y	Y
ECOFORM SF98	Sodium formate powder			*						Y	Y	Y
PROGRESS CHEMICAL SALES												
PRO-BAR	Barite	*	*	*	*	*		1-600				
PRO-CARB	Calcium carbonate	*	*	*	*	*		As needed				
PRO-CHLOR	Calcium chloride 11.6 ppg			*				11.6				
SPECIAL PRODUCTS												
DENSIMIX	API Hematite	*	*	*	*	*			As Required			
STRATA CONTROL SERVICES, INC.												
STRATA-COUPLER	Coupler for gilsonite, asphalt and oil	*	*	*	*	*					Y	
TBC-BRINADD												
ULTRACARB 2	Sized calcium carbonate	*	*	*	*	*		10-50				
ULTRACARB 5	Sized calcium carbonate	*	*	*	*	*		10-50				
ULTRACARB 12	Sized calcium carbonate	*	*	*	*	*		10-30				
ULTRACARB 20	Sized calcium carbonate	*	*	*	*	*		10-50				
ULTRACARB 30	Sized calcium carbonate	*	*	*	*	*		10-50				
ULTRASAL 5	Sized sodium chloride	*	*	*	*	*		10-50				
ULTRASAL 10	Sized sodium chloride	*	*	*	*	*		10-50				
ULTRASAL 20	Sized sodium chloride	*	*	*	*	*		10-50				
ULTRASAL 30	Sized sodium chloride	*	*	*	*	*		10-50				
TETRA TECHNOLOGIES, INC.												
BARITE	Insoluble weighting agent			*								
CABR2	Calcium bromide, 95%			*								
EXPRESS, 94%	Calcium chloride, 94%			*								
KCL	Potassium chloride, 99%			*								
NABR	Sodium bromide, 97%			*								
NACL	Drillers' Salt			*								
NACL	Sodium chloride evaporated salt			*								
TETRA SS COARSE	Size controlled, coarse NaCl	*	*	*	*	*					Y	
TETRA SS FINE	Select grind, fine grind NaCl	*	*	*	*	*					Y	
TETRA SS MEDIUM	Size controlled, med size NaCl	*	*	*	*	*					Y	
TETRACARB COARSE	Size controlled, coarse CaCO3	*	*	*	*	*					Y	
TETRACARB FINE	Select grind, fine CaCO3	*	*	*	*	*					Y	
TETRACARB FLAKE	Sized calcium carbonate	*	*	*	*	*					Y	
TETRACARB MEDIUM	Size controlled, medium CaCO3	*	*	*	*	*					Y	
CALCIUM CHLORIDE 11.6 ppg	Stock Fluid			*								
CALCIUM BROMIDE 14.2 ppg	Stock Fluid			*								
ZNBR2/CABR2 19.2 SOLUTION	Stock Fluid			*								
ZNBR2/CABR2 20.5 SOLUTION	Stock Fluid			*								
TURBO-CHEM INTERNATIONAL												
E Z THIN	Surfactant blend to maintain pumpability & fluidity of E Z Squeeze	*	*	*	*	*		5.6 lbs/bbl			Y	
WEATHERFORD INTERNATIONAL LTD.												
CLEARFORM K	Potassium formate solution	*	*	*	*	*				E		
CLEARFORM S	Sodium formate dry powder	*	*	*	*	*				E		

Footnotes:
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