

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1236675
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1236675

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
Estimated Production Per 24 Hours	Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Jellison A 3319 14-5
Doc ID	1236675

Tops

Name	Top	Datum
Base Anhydrite	2357	
Base Heebner Shale Marker	4170	
Top Lansing Limestone Group	4344	
Top Marmaton Limestone Group	4853	
Top Big Lime	4887	
Top Oswego Limestones	4901	
Top Pawnee Limestone	4938	
Top Cherokee Shale Marker (OK)	4974	
Top Fort Scott Limestone	4978	
Top Cherokee Shale Marker (KS)	4990	
Top Mississippi Unconformity	5072	
Top Mississippi 'Solid' (Meramec age)	5085	
Top Kinderhook Group	5900	
Top Viola Carbonates	5930	
Top Simpson Group	6028	
Top Oil Creek Sands	6166	
Top Arbuckle Dolostones	6181	



INVOICE

DATE	INVOICE #
9/18/2014	5100

BILL TO
SANDRIDGE ENERGY, INC. ATTN: PURCHASING MANAGER 123 ROBERT S. KERR AVENUE OKLAHOMA CITY, OK 73102

REMIT TO
EDGE SERVICES, INC. PO BOX 609 WOODWARD, OK 73802

COUNTY	STARTING D...	WORK ORDER	RIG NUMBER	LEASE NAME	Terms
COMANCHE	9/16/2014			JELLISON 3319 14-5	Due on rec...

Description	
DUG OUT CEMENT AROUND CONDUCTOR PIPE, DUG NEW HOLE FURNISHED AND SET 6' X 6' TINHORN CELLAR FURNISHED 4' OF 20" PIPE TO EXISTING CONDUCTOR TOTAL BID \$3,000.00	

Sales Tax (6.15%)	\$28.66
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TOTAL	\$3,028.66
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INVOICE

DATE	INVOICE #
9/29/2014	5145

BILL TO
SANDRIDGE ENERGY, INC. ATTN: PURCHASING MANAGER 123 ROBERT S. KERR AVENUE OKLAHOMA CITY, OK 73102

REMIT TO
EDGE SERVICES, INC. PO BOX 609 WOODWARD, OK 73802

COUNTY	STARTING D...	WORK ORDER	RIG NUMBER	LEASE NAME	Terms
COMANCHE	9/25/2014	3755	TOMCAT 2	JELLISON 3319 14-5	Due on rec...

Description

DRILLED 80' OF 20" CONDUCTOR HOLE
 FURNISHED 6 YARDS OF 10 SACK GROUT FOR CONDUCTOR HOLE
 DRILL RAT AND MOUSE HOLES
 FURNISHED 60' OF 16" CONDUCTOR PIPE FOR MOUSEHOLE AND RATHOLE
 TOTAL BID \$6,500.00

AFE Number: DC 14296
 Well Name: Jellison 3319 14-5
 Code: 850.010
 Amount: \$6,547.97
 Co. Man: John Foster
 Co. Man Sig: [Signature]
 Notes: _____

Sales Tax (6.15%)	\$47.97
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TOTAL	\$6,547.97
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SandRidge Energy
Jellison A #3319 14-5
Comanche County, KS.

1.0 Executive Summary

Allied Oil & Gas Services would like to thank you, for the award of the provision of cementing products and services on the well Jellison A #3319 14-5 Surface Casing.

A pre-job meeting was held to discuss job details, review the safety hazards, potential environmental impact and established emergency procedures.

Allied started the job testing lines to 2000 psi. After a successful test we began the job by pumping 10 bbls of preflush spacer. We then mixed and pumped the following cements:

122 Bbls (500 sacks) of 14.8 ppg Lead slurry:
Class A 1.37 Yield
2% Gel
2% cc
¼# Floseal

26 Bbls (125 sacks) of 14.8ppg lead cement
Class A 1.20 Yield
2% cc

The top plug was then released and displaced with 26 Bbls of fresh water. The plug bumped and pressured up to 650 psi. Pressure was released and floats held. Cement did circulate.

All real time data is shown on the graph in the attachment section.

Allied Oil & Gas Services remains committed to provide operational excellence and superior product performance. All comments and suggestions are greatly appreciated and help us to continue to provide this level of service.

Again we want to thank you for the opportunity to perform these and your future cementing & acidizing service needs.



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 147009

Invoice Date: Nov 9, 2014

Page: 1

Voice: (817) 546-7282
Fax: (817) 246-3361

Federal Tax ID#: 20-8651475

Bill To:
SandRidge Energy Accounts Payable P O Box 1748 Oklahoma City, OK 73102

Customer ID	Field Ticket #	Payment Terms	
SandR	65102	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Medicine Lodge	Nov6, 2014	12/9/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Jelison A 3319 #14-5 AFE #DC14296		
625.00	CEMENT MATERIALS	Class A Common	17.90	11,187.50
10.00	CEMENT MATERIALS	Gel	23.40	234.00
15.00	CEMENT MATERIALS	Chloride	64.00	960.00
125.00	CEMENT MATERIALS	Flo Seal	2.97	371.25
669.82	CEMENT SERVICE	Cubic Feet Charge	2.48	1,661.15
1,524.75	CEMENT SERVICE	Ton Mileage Charge	2.60	3,964.35
1.00	CEMENT SERVICE	Surface	2,058.50	2,058.50
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	CEMENT SERVICE	Manifold Rental	275.00	275.00
1.00	CEMENT SERVICE	Circulating Iron	450.00	450.00
1.00	EQUIPMENT SALES	8-5/8 Top Rubber Plug	131.04	131.04
1.00	CEMENT SUPERVISOR	Coy Price		
1.00	CEMENT SUPERVISOR	Jeremy Vance		
1.00	OPERATOR ASSISTANT	Andrew Engles		
1.00	EQUIPMENT OPERATOR	Sahib Henderson		
1.00	JOB DISCOUNT	Job Discount if paid within terms	6,569.33	-6,569.33

Subtotal	15,328.46
Sales Tax	792.35
Total Invoice Amount	16,120.81
Payment/Credit Applied	
TOTAL	16,120.81

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$

ONLY IF PAID ON OR BEFORE
Dec 9, 2014

ALLIED OIL & GAS SERVICES, LLC 063877

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Great Bend

11-18-14	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION 3:00 pm	JOB START 5:30 pm	JOB FINISH 6:30 pm
Jellison A	WELL #3319 11-5		LOCATION Cold water 5 to JCT then w to		COUNTY	STATE	
OLD OR <u>NEW</u> (Circle one)			COLD 8 then N & E dnts				
LEASE		COMMANCHE		K9			

CONTRACTOR <u>Tom cat #2</u>		OWNER <u>Name</u>
TYPE OF JOB <u>pipe</u>		
HOLE SIZE <u>7 7/8</u>	T.D. <u>6270</u>	CEMENT
CASING SIZE <u>5 1/2</u> 17#	DEPTH <u>6273</u>	AMOUNT ORDERED <u>200450150 2 1/2 gal .4 FI-160</u>
TUBING SIZE	DEPTH	<u>.1% C-51 155m class A .8% FI-160 .2%</u>
DRILL PIPE	DEPTH	<u>CD-31</u>
TOOL	DEPTH	
PRES. MAX	MINIMUM	COMMON <u>155 m</u> @ <u>17.90</u> <u>2774.50</u>
MEAS. LINE	SHOE JOINT <u>44.21</u>	POZMIX @
CEMENT LEFT IN CSG. <u>44.21</u>		GEL @
PERFS.		CHLORIDE @
DISPLACEMENT <u>H2O 144.5</u>		ASC @
EQUIPMENT		
PUMP TRUCK # <u>517</u>	CEMENTER <u>Charles King</u>	<u>Dv1100 30 BBI</u> @ <u>58.70</u> <u>1761</u>
	HELPER <u>Ben newell</u>	<u>50150 Blend 200m</u> @ <u>14.40</u> <u>2880</u>
BULK TRUCK # <u>819-823</u>	DRIVER <u>Candy Luis Montemayor (MUS)</u>	<u>FI-160 185 lb</u> @ <u>18.90</u> <u>8496.50</u>
BULK TRUCK #	DRIVER	<u>SA-51 171B</u> @ <u>17.55</u> <u>298.35</u>
		<u>CD-31 301B</u> @ <u>10.30</u> <u>309</u>
		Materials Total <u>11,519.35</u>
		Dial 30% <u>3455.81</u>
		Service
		HANDLING <u>366.6</u> @ <u>2.48</u> <u>909.17</u>
		MILEAGE <u>798.39</u> @ <u>2.60</u> <u>2075.82</u>

REMARKS:

Rig ran 6273' 5 1/2 cgs Broke circ in 1 mi
used pump 30BBI Dv1100 mix 200m 50150
2 1/2 gal .4% FI-160 .1% CD-31 155m class A
.8% FI-160 .2% CD-31 that clean trash pump
& circ release plug displace 144.5 BBI H2O
plug dis land float dis land 3 1/2 hold

DEPTH OF JOB	<u>6273</u>	
PUMP TRUCK CHARGE		<u>3651.25</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>50</u> @ <u>7.70</u>	<u>385</u>
MANIFOLD	@	<u>275</u>
LVM	<u>50</u> @ <u>4.40</u>	<u>220</u>
	@	

CHARGE TO: land ridge energy
STREET _____
CITY _____ STATE _____ ZIP _____

TOTAL 7516.24
Dial 30% 2254.81

PLUG & FLOAT EQUIPMENT

<u>Rubber plug</u>		<u>85.41</u>
AFE-Number:	<u>DC14296</u>	
Well Name:	<u>Jellison A-3319 11-5</u>	
Code:	<u>830 370</u>	
Amount:	<u>13384.70</u>	
Co. Man:	<u>Cory glenn</u>	
Co. Man Sig.:	<u>[Signature]</u>	
Notes:		TOTAL <u>85.41</u>
		Dial 30% <u>25.62</u>

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Cory glenn
SIGNATURE [Signature]

SALES TAX (If Any) _____
TOTAL CHARGES 19121.00
DISCOUNT 5736.30 IF PAID IN 30 DAYS
13384.70



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 147151

Invoice Date: Nov 18, 2014

Voice: (817) 546-7282

Page: 1

Fax: (817) 246-3361

Federal Tax ID.#: 20-8651475

Bill To:
SandRidge Energy Accounts Payable P O Box 1748 Oklahoma City, OK 73102

Customer ID	Field Ticket #	Payment Terms	
SandR	63877	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Great Bend	Nov 18, 2014	12/18/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Jelison A 3319 #11-5 AFE#DC14296		
155.00	CEMENT MATERIALS	Class A Common	17.90	2,774.50
30.00	CEMENT MATERIALS	DV-1 100	58.70	1,761.00
200.00	CEMENT MATERIALS	50/50 Blend	14.40	2,880.00
185.00	CEMENT MATERIALS	FL-160	18.90	3,496.50
17.00	CEMENT MATERIALS	SA-51	17.55	298.35
30.00	CEMENT MATERIALS	CD-31	10.30	309.00
366.60	CEMENT SERVICE	Cubic Feet Charge	2.48	909.17
798.39	CEMENT SERVICE	Ton Mileage Charge	2.60	2,075.81
1.00	CEMENT SERVICE	Production Casing	3,651.25	3,651.25
50.00	CEMENT SERVICE	Pump Truck Mileage	7.70	385.00
1.00	CEMENT SERVICE	Manifold Rental	275.00	275.00
50.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	220.00
1.00	EQUIPMENT SALES	5-1/2 Rubber Plug	85.41	85.41
1.00	CEMENT SUPERVISOR	Charles Kinyon		
1.00	EQUIPMENT OPERATOR	Ben Newell		
1.00	JOB DISCOUNT	Job Discount if paid within terms	5,736.30	-5,736.30

Subtotal	13,384.69
Sales Tax	713.68
Total Invoice Amount	14,098.37
Payment/Credit Applied	
TOTAL	14,098.37

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$

ONLY IF PAID ON OR BEFORE
 Dec 18, 2014

STAGE 1										
Top Perf @ 5,935'										
Fluid	Rate	Vol, gal	Vol, bbl	Prop	Prop Type	Prop Con	Prop, lbs	Time, min		
15% HCl acid	20	10000	238						11.9	
Slickwater	50	17779	423						8.5	
Slickwater	50	16333	389	40/70	Garnet	0.25	4083		7.8	
Slickwater	50	16333	389	40/70	White	0.50	8167		7.8	
Slickwater	50	16333	389	40/70	White	0.75	12250		7.8	
Slickwater	50	5783	138						2.8	
Slickwater	50	12250	292	40/70	White	1.00	12250		5.8	
Slickwater	50	4083	97	40/70	Garnet	1.00	4083		1.9	
Slickwater	50	5783	138						2.8	
Slickwater	50	5783	138	20 Ball Sealers (0.45" Min Diameter)						2.8
Slickwater	50	5783	138						2.8	
Slickwater	50	16333	389	40/70	Garnet	0.25	4083		7.8	
Slickwater	50	16333	389	40/70	White	0.50	8167		7.8	
Slickwater	50	16333	389	40/70	White	0.75	12250		7.8	
Slickwater	50	5783	138						2.8	
Slickwater	50	12250	292	40/70	White	1.00	12250		5.8	
Slickwater	50	4083	97	40/70	Garnet	1.00	4083		1.9	
Slickwater	50	4083	97						1.9	
Slickwater	50	4083	97	20 Ball Sealers (0.45" Min Diameter)						1.9
Slickwater	50	4083	97						1.9	
Slickwater	50	16333	389	40/70	Garnet	0.25	4083		7.8	
Slickwater	50	16333	389	40/70	White	0.50	8167		7.8	
Slickwater	50	16333	389	40/70	White	0.75	12250		7.8	
Slickwater	50	4083	97						1.9	
Slickwater	50	12250	292	40/70	White	1.00	12250		5.8	
Slickwater	50	4083	97	40/70	Garnet	1.00	4083		1.9	
Slickwater	50	4083	97						1.9	

TOTAL

273,111 6,503

122,500

98.3

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	12/2/2014
Job End Date:	12/3/2014
State:	Kansas
County:	Comanche
API Number:	15-033-21740-01-01
Operator Name:	SandRidge Energy
Well Name and Number:	Jellison A 3319 #14-5
Longitude:	-99.41634000
Latitude:	37.20365200
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	6,291
Total Base Water Volume (gal):	261,912
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Well Operator	Carrier/Base Fluid	Water	7732-18-5	100.00000	90.93666	None
40/70 Northern White	CAF	Proppant, Scouring, Fill	Crystalline Silica (quartz)	14808-60-7	100.00000	4.10153	None
15% Unihibited HCl Acid	CAF	Etching, Dissolving, Cleaning	Water	7732-18-5	85.00000	3.17257	None
			Hydrochloric Acid	7647-01-0	15.00000	0.55987	None
			Water	7732-18-5	24.00000	0.00082	None
			Methanol	67-56-1	9.00000	0.00031	None
			Ethylene Glycol	107-21-1	8.40000	0.00028	None
			Isopropyl Alcohol	67-63-0	8.40000	0.00028	None
			2-Butoxyethanol	111-76-2	8.40000	0.00028	None
			Triethyl Phosphate	78-40-0	8.40000	0.00028	None
			N-Dimethylformamide	68-12-2	8.40000	0.00028	None
			Ethoxylated Nonylphenol	68412-54-4	8.40000	0.00028	None
			Cinnamaldehyde	104-55-2	8.40000	0.00028	None
			Tar Bases-quinoline derivs-benzyl chloride/quaternized	72480-70-7	8.40000	0.00028	None

40/70 RCS Garnett	CAF	Proppant, Scouring, Fill					
			Crystalline Silica (quartz)	14808-60-7	97.00000	1.07352	None
IC-3	CAF	Iron Control					
			Water	7732-18-5	55.50000	0.02353	None
			Methanol	67-56-1	12.70000	0.00540	None
			Dinanylphenyl Polyoxyethylene	201602-88-2	9.10000	0.00386	None
			Nonylphenal Polyethylene Glycol Ether	127087-87-0	9.10000	0.00386	None
			Poly(ethylene Oxide)	25322-68-3	9.10000	0.00386	None
			Isopropanol	67-63-0	4.60000	0.00193	None
			Sodium Erythorbate	6381-77-7	100.00000	0.00125	None
SI-2	CAF	Scale Inhibitor					
			Water	7732-18-5	50.00000	0.00447	None
			Phosphoric Acid	7664-38-2	16.80000	0.00150	None
			Hydrochloric Acid	7647-01-0	16.80000	0.00150	None
			Ethylene Glycol	107-21-1	12.70000	0.00114	None
			Methanol	67-56-1	3.60000	0.00033	None
FR-1	CAF	Friction Reducer					
			Petroleum Hydrotreated Light Distillate	64742-47-8	2.50000	0.00167	None

Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)