



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1152476
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: _____



1152476

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

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> _____ <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	Bane 3306 1-20H
Doc ID	1152476

All Electric Logs Run

Induction
Porosity
Mud Log
Prizm
Boresight

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Bane 3306 1-20H
Doc ID	1152476

Tops

Name	Top	Datum
Base Heebner	3214	
Lansing	3580	
Cottage Grove	3820	
Oswego Limestone	4121	
Cherokee Group	4239	
Verdigris Limestone	4269	
Mississippi Unconformity	4432	
Mississippi Limestone	4448	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Bane 3306 1-20H
Doc ID	1152476

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8498-8768	36 bbls 15% HCL Acid, 4077 bbls Fresh Slickwater, Running TLTR 4113 bbls	
5	8113-8388	36 bbls 15% HCL Acid, 4104 bbls Fresh Slickwater, Running TLTR 8603 bbls	
5	7763-8042	36 bbls 15% HCL Acid, 4017 bbls Fresh Slickwater, Running TLTR 12756 bbls	
5	7330-7656	36 bbls 15% HCL Acid, bbls Fresh Slickwater, Running TLTR bbls	
5	7037-7245	36 bbls 15% HCL Acid, 4079 bbls Fresh Slickwater, Running TLTR 21109 bbls	
5	6688-6970	36 bbls 15% HCL Acid, 4065 bbls Fresh Slickwater, Running TLTR 25252 bbls	
5	6318-6612	36 bbls 15% HCL Acid, 4050 bbls Fresh Slickwater, Running TLTR 29384 bbls	
5	5832-6208	36 bbls 15% HCL Acid, 4069 bbls Fresh Slickwater, Running TLTR 33517 bbls	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Bane 3306 1-20H
Doc ID	1152476

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	5505-5743	36 bbls 15% HCL Acid, 4066 bbls Fresh Slickwater, Running TLTR 36672 bbls	
5	5168-5487	36 bbls 15% HCL Acid, 4076 bbls Fresh Slickwater, Running TLTR 41803 bbls	

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

July 22, 2013

Tiffany Golay
SandRidge Exploration and Production LLC
123 ROBERT S. KERR AVE
OKLAHOMA CITY, OK 73102-6406

Re: ACO1
API 15-077-21948-01-00
Bane 3306 1-20H
NE/4 Sec.20-33S-06W
Harper County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Tiffany Golay

Standard Wellpath Report
 Sandridge
 Sec 20 - 33S - 6W, Kansas
 Harper County
 Wellbore: Bane 3306 1-20H (Actual)

Wellbore

Name	Created	Last Revised
Bane 3306 1-20H (Actual)	3-Jul-2013	22-Jul-2013

Well

Name	Government ID	Last Revised
Bane 3306 1-20H		3-Jul-2013

Slot

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Bane 3306 1-20H	182370.0000	2149721.0000	N37 9 58.9946	W97 59 10.3667	204.00S	597.99W

Installation

Name	Easting	Northing	Coord System Name	North Alignment
Harper County	2150319.0000	182574.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Field

Name	Easting	Northing	Coord System Name	North Alignment
Sec 20 - 33S - 6W	2150319.0000	182574.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Created By

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Comments

<p>FINAL SURVEYS: MD 8872 is a projection to bit @ TD</p>
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Standard Wellpath Report
Sandridge
Sec 20 - 33S - 6W, Kansas
Harper County
Wellbore: Bane 3306 1-20H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
0.00	0.00	0.000	0.00	0.00N	0.00E		0.00	2149721.00	182370.00
957.00	1.30	128.800	956.92	6.80S	8.46E	0.14	6.82	2149729.46	182363.20
1415.00	1.10	124.400	1414.82	12.54S	16.14E	0.05	12.58	2149737.14	182357.46
1873.00	0.80	95.100	1872.76	15.31S	22.95E	0.12	15.36	2149743.95	182354.69
2347.00	0.20	129.300	2346.74	16.13S	26.89E	0.14	16.18	2149747.89	182353.87
2821.00	0.70	70.000	2820.72	15.66S	30.25E	0.13	15.72	2149751.25	182354.34
3296.00	0.40	111.200	3295.70	15.27S	34.52E	0.10	15.34	2149755.52	182354.73
3696.00	0.90	194.100	3695.68	18.82S	35.06E	0.23	18.89	2149756.06	182351.18
3739.00	1.00	198.100	3738.68	19.50S	34.86E	0.28	19.58	2149755.86	182350.49
3771.00	2.50	200.900	3770.66	20.42S	34.52E	4.69	20.49	2149755.52	182349.58
3802.00	5.00	194.300	3801.59	22.36S	33.95E	8.17	22.43	2149754.95	182347.64
3834.00	7.50	193.500	3833.40	25.75S	33.11E	7.82	25.82	2149754.11	182344.25
3866.00	10.10	193.200	3865.02	30.51S	31.99E	8.13	30.58	2149752.99	182339.49
3897.00	12.70	189.300	3895.40	36.52S	30.81E	8.74	36.58	2149751.81	182333.48
3929.00	15.60	187.700	3926.43	44.26S	29.67E	9.14	44.32	2149750.67	182325.74
3961.00	18.30	186.600	3957.04	53.51S	28.51E	8.50	53.57	2149749.51	182316.49
3992.00	20.30	187.400	3986.29	63.68S	27.26E	6.51	63.74	2149748.26	182306.32
4024.00	22.10	185.700	4016.13	75.18S	25.95E	5.94	75.23	2149746.95	182294.82
4056.00	24.10	185.800	4045.56	87.67S	24.69E	6.25	87.72	2149745.69	182282.33
4087.00	26.10	184.400	4073.63	100.76S	23.53E	6.73	100.81	2149744.53	182269.23
4119.00	28.30	181.900	4102.09	115.37S	22.74E	7.75	115.41	2149743.74	182254.63
4150.00	30.50	182.300	4129.10	130.57S	22.18E	7.12	130.62	2149743.18	182239.42
4182.00	33.20	180.900	4156.28	147.45S	21.71E	8.75	147.50	2149742.71	182222.55
4214.00	36.30	181.300	4182.57	165.68S	21.36E	9.71	165.73	2149742.36	182204.31
4245.00	38.80	181.600	4207.14	184.57S	20.88E	8.09	184.61	2149741.88	182185.43
4277.00	41.30	182.300	4231.64	205.15S	20.18E	7.94	205.19	2149741.18	182164.85
4309.00	44.20	182.600	4255.13	226.85S	19.25E	9.08	226.89	2149740.25	182143.15
4340.00	46.90	182.100	4276.84	248.96S	18.34E	8.79	248.99	2149739.34	182121.04
4372.00	49.90	182.400	4298.08	272.86S	17.40E	9.40	272.90	2149738.40	182097.13
4404.00	52.50	182.000	4318.13	297.78S	16.45E	8.18	297.82	2149737.45	182072.21
4435.00	55.00	183.200	4336.46	322.75S	15.31E	8.65	322.78	2149736.31	182047.24
4467.00	58.10	183.000	4354.10	349.41S	13.87E	9.70	349.44	2149734.87	182020.58
4498.00	61.20	183.100	4369.76	376.12S	12.44E	10.00	376.15	2149733.44	181993.87
4530.00	63.30	182.500	4384.66	404.40S	11.06E	6.77	404.43	2149732.06	181965.59
4562.00	65.80	182.200	4398.41	433.27S	9.88E	7.86	433.29	2149730.88	181936.72
4593.00	67.30	180.900	4410.75	461.70S	9.11E	6.18	461.72	2149730.11	181908.29
4625.00	69.80	181.700	4422.45	491.47S	8.43E	8.15	491.49	2149729.43	181878.52
4657.00	72.40	181.300	4432.81	521.74S	7.64E	8.21	521.75	2149728.64	181848.25
4688.00	75.30	180.100	4441.43	551.51S	7.28E	10.07	551.52	2149728.28	181818.48
4720.00	78.10	179.300	4448.79	582.64S	7.44E	9.08	582.66	2149728.44	181787.34
4752.00	81.30	179.200	4454.52	614.12S	7.85E	10.00	614.14	2149728.85	181755.87
4783.00	84.30	179.000	4458.40	644.87S	8.34E	9.70	644.89	2149729.34	181725.12
4815.00	87.00	179.700	4460.83	676.77S	8.70E	8.71	676.79	2149729.70	181693.21
4846.00	88.00	179.500	4462.18	707.74S	8.92E	3.29	707.76	2149729.92	181662.24
4878.00	88.30	179.500	4463.21	739.72S	9.19E	0.94	739.74	2149730.19	181630.26
4910.00	88.30	179.400	4464.16	771.71S	9.50E	0.31	771.73	2149730.50	181598.28
4941.00	88.30	178.800	4465.08	802.69S	9.99E	1.93	802.71	2149730.99	181567.29
4973.00	88.60	179.000	4465.95	834.67S	10.60E	1.13	834.69	2149731.60	181535.31
5005.00	88.60	178.900	4466.73	866.66S	11.19E	0.31	866.68	2149732.19	181503.33
5036.00	89.00	178.600	4467.38	897.64S	11.86E	1.61	897.67	2149732.86	181472.34
5068.00	90.70	180.200	4467.46	929.64S	12.20E	7.30	929.66	2149733.20	181440.34
5100.00	91.20	180.200	4466.93	961.63S	12.09E	1.56	961.66	2149733.09	181408.35
5131.00	91.50	180.700	4466.20	992.63S	11.84E	1.88	992.65	2149732.84	181377.36
5140.00	91.10	180.300	4466.00	1001.62S	11.77E	6.28	1001.64	2149732.77	181368.36
5202.00	90.80	181.600	4464.97	1063.60S	10.74E	2.15	1063.62	2149731.74	181306.38
5266.00	90.60	181.500	4464.19	1127.58S	9.01E	0.35	1127.59	2149730.01	181242.40
5357.00	90.80	180.600	4463.08	1218.55S	7.34E	1.01	1218.57	2149728.34	181151.42
5449.00	88.90	179.300	4463.32	1310.55S	7.42E	2.50	1310.56	2149728.42	181059.43
5541.00	89.10	179.400	4464.92	1402.53S	8.46E	0.24	1402.54	2149729.46	180967.45
5632.00	88.80	180.200	4466.59	1493.51S	8.78E	0.94	1493.52	2149729.78	180876.46
5724.00	88.80	179.900	4468.52	1585.49S	8.70E	0.33	1585.50	2149729.70	180784.48
5816.00	89.60	181.600	4469.80	1677.47S	7.50E	2.04	1677.48	2149728.50	180692.50
5907.00	89.00	181.100	4470.91	1768.44S	5.35E	0.86	1768.44	2149726.35	180601.53
5999.00	88.50	180.200	4472.92	1860.41S	4.31E	1.12	1860.41	2149725.31	180509.56
6090.00	90.20	180.000	4473.95	1951.40S	4.15E	1.88	1951.40	2149725.15	180418.57
6182.00	91.00	179.600	4472.99	2043.39S	4.47E	0.97	2043.40	2149725.47	180326.57
6274.00	91.20	180.200	4471.22	2135.37S	4.63E	0.69	2135.38	2149725.63	180234.59
6365.00	90.60	180.000	4469.79	2226.36S	4.47E	0.69	2226.37	2149725.47	180143.60
6457.00	89.80	179.300	4469.47	2318.36S	5.04E	1.16	2318.36	2149726.04	180051.60
6549.00	90.10	180.000	4469.55	2410.36S	5.60E	0.83	2410.36	2149726.60	179959.60
6640.00	90.30	179.200	4469.23	2501.35S	6.23E	0.91	2501.36	2149727.23	179868.60
6732.00	90.90	178.800	4468.27	2593.33S	7.84E	0.78	2593.34	2149728.84	179776.62

All data is in Feet unless otherwise stated
Coordinates are from Slot and TVD's are from Slot (Bane 3306 1-20H 0.00ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 179.880 degrees
Bottom hole distance is 4732.46 Feet on azimuth 179.82 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 22-Jul-2013

Standard Wellpath Report
 Sandridge
 Sec 20 - 33S - 6W, Kansas
 Harper County
 Wellbore: Bane 3306 1-20H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
6823.00	91.20	179.800	4466.60	2684.31S	8.95E	1.15	2684.32	2149729.95	179685.64
6915.00	89.80	180.000	4465.80	2776.30S	9.11E	1.54	2776.32	2149730.11	179593.64
7007.00	88.60	180.200	4467.09	2868.29S	8.95E	1.32	2868.30	2149729.95	179501.65
7098.00	88.70	180.000	4469.23	2959.27S	8.79E	0.25	2959.28	2149729.79	179410.68
7193.00	89.10	180.000	4471.05	3054.25S	8.79E	0.42	3054.26	2149729.79	179315.69
7288.00	92.90	181.600	4469.40	3149.20S	7.47E	4.34	3149.21	2149728.47	179220.74
7383.00	91.10	181.800	4466.08	3244.10S	4.65E	1.91	3244.10	2149725.65	179125.84
7478.00	89.40	180.800	4465.67	3339.07S	2.49E	2.08	3339.07	2149723.49	179030.87
7573.00	89.80	179.700	4466.33	3434.07S	2.08E	1.23	3434.06	2149723.08	178935.87
7668.00	89.40	178.500	4466.99	3529.05S	3.57E	1.33	3529.05	2149724.57	178840.88
7762.00	89.00	178.000	4468.30	3623.00S	6.44E	0.68	3623.00	2149727.44	178746.93
7857.00	88.10	178.000	4470.71	3717.91S	9.76E	0.95	3717.92	2149730.76	178652.02
7952.00	89.20	178.300	4472.95	3812.83S	12.82E	1.20	3812.85	2149733.82	178557.10
8047.00	91.50	178.400	4472.37	3907.78S	15.56E	2.42	3907.81	2149736.56	178462.14
8142.00	91.70	178.600	4469.71	4002.71S	18.04E	0.30	4002.74	2149739.04	178367.21
8237.00	91.40	179.400	4467.14	4097.66S	19.70E	0.90	4097.69	2149740.70	178272.26
8332.00	92.60	179.800	4463.83	4192.60S	20.36E	1.33	4192.63	2149741.36	178177.32
8427.00	91.80	181.100	4460.18	4287.52S	19.62E	1.61	4287.56	2149740.62	178082.39
8521.00	90.90	180.700	4457.97	4381.49S	18.14E	1.05	4381.51	2149739.14	177988.43
8616.00	90.90	180.800	4456.47	4476.47S	16.90E	0.11	4476.49	2149737.90	177893.45
8711.00	89.70	180.400	4455.98	4571.46S	15.90E	1.33	4571.48	2149736.90	177798.45
8806.00	91.20	180.400	4455.23	4666.45S	15.24E	1.58	4666.47	2149736.24	177703.46
8822.00	91.20	180.000	4454.90	4682.45S	15.18E	2.50	4682.47	2149736.19	177687.46
8872.00	91.20	180.000	4453.85	4732.43S	15.18E	==>	4732.46	2149736.19	177637.47

All data is in Feet unless otherwise stated
 Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Bane 3306 1-20H 0.00ft above Mean Sea Level)
 Vertical Section is from 0.00N 0.00E on azimuth 179.880 degrees
 Bottom hole distance is 4732.46 Feet on azimuth 179.82 degrees from Wellhead
 Calculation method uses Minimum Curvature method
 Prepared by
 Date Printed: 22-Jul-2013

Standard Wellpath Report
Sandridge
Sec 20 - 33S - 6W, Kansas
Harper County
Wellbore: Bane 3306 1-20H (Actual)

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Bane 3306 1-20H 0.00ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 179.880 degrees
Bottom hole distance is 4732.46 Feet on azimuth 179.82 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 22-Jul-2013



BASIN SERVICES, LLC
 P O BOX 4268
 ABILENE, TX 79608-4268
 Phone # (325)690-0053
 Fax # (325)698-0055

INVOICE

INVOICE NO.: 452
 INVOICE DATE: 08/15/2013

SANDRIDGE ENERGY
 123 ROBERT S KERR AVE
 OKLAHOMA CITY, OK 73102-6406

YARD: WY WAYNOKA OK
 LEASE: Bane
 WELL#: 3306 1-20H
 RIG #: Lariat 45
 Co/St: HARPER, KS

Tkt # WY-69-1 (10422) 07/03/2013-07/06/2013

DESCRIPTION	FOOTAGE	QUANTITY	RATE	AMOUNT
7/3-6/2013 DRILLED 30" CONDUCTOR HOLE				
7/3-6/2013 20" CONDUCTOR PIPE (.250 WALL)				
7/3-6/2013 DRILL & INSTALL 6' X 6' CELLAR TINHORN				
7/3-6/2013 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING				
7/3-6/2013 DRILLED 20" MOUSE HOLE (PER FOOT)				
7/3-6/2013 16" CONDUCTOR PIPE (.250 WALL)				
7/3-6/2013 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE				
7/3-6/2013 WELDING SERVICES FOR PIPE & LIDS				
7/3-6/2013 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE				
7/3-6/2013 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE)				
7/3-6/2013 SAFETY FENCING AROUND WELL				
7/3-6/2013 10 SACK GROUT				
7/3-6/2013 TAXABLE ITEMS				4,470.00
7/3-6/2013 BID - TAXABLE ITEMS				9,480.00

Sub Total: 13,950.00
 Tax HARPER COUNTY (6.3 %): 281.61
PLEASE PAY THIS AMOUNT: \$ 14,231.61 ✓

JOB SUMMARY			PROJECT NUMBER SOK 2867	TICKET DATE 07/11/13
COUNTY Harper	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Tommy Whitlow	
LEASE NAME Bane 3306	Well No. 1-20H	JOB TYPE Surface	EMPLOYEE NAME NATHAN COTTA	

EMP NAME					
NATHAN COTTA	0				
VONTREY W					
FRANK					
JOSEPH					

Form. Name _____ Type: _____
 Packer Type _____ Set At **0**
 Bottom Hole Temp. **80** Pressure _____
 Retainer Depth _____ Total Depth **700'**

	Called Out	On Location	Job Started	Job Completed
Date	7.10.13	7.10.13	7.11.13	7.11.13
Time	1700	2200	030	200

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data						
	New/Used	Weight	Size	Grade	From	To
Casing		36#	9 5/8"		Surface	700'
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4"		Surface	700'
Perforations						
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	Fresh Water	BBL.	10 8.33
Spacer type	BBL.		
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
MISC.	Gal/Lb	In	
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
7.10.13	1.0	7.11.13	2.0	Surface
7.11.13	2.0			
Total	3.0	Total	2.0	

Pressures	
MAX	1,500 PSI
AVG	200
Average Rates in BPM	
MAX	5 BPM
AVG	5
Cement Left in Pipe	
Feet	44
Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	215	TEX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	115	Premium Plus (Class C)	2% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	0	0		0.00	0.00	0.00

Summary					
Preflush Breakdown	Type:	MAXIMUM	1,500 PSI	Preflush:	BBI
	Lost Returns-N	NO/FULL		Load & Bkdn:	Gal - BBI
	Actual TOC	SURFACE		Excess /Return	BBI
Average	Bump Plug PSI:	1,000		Calc. TOC:	SURFACE
	5 Min	10 Min	15 Min	Final Circ.	PSI:
				Cement Slurry:	BBI
				Total Volume	BBI
					157.50
				Type:	Fresh Water
				Pad:Bbl -Gal	N/A
				Calc.Disp Bbl	50
				Actual Disp.	50.00
				Disp:Bbl	50.00

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

JOB SUMMARY

JOB SUMMARY			PROJECT NUMBER SOK 2888	TICKET DATE 07/16/13
COUNTY Harper	State Oklahoma	COMPANY Sandridge Exploration & Production	CUSTOMER REP Tommy Whitlow	
LEASE NAME Bane 3306	Well No. 1-20H	JOB TYPE Intermediate	EMPLOYEE NAME NATHAN COTTA	

EMP NAME NATHAN COTTA	VONTREY W				
WESLEY T					
RICKY S					
BRETT A					

Form. Name _____ Type: _____

Packer Type _____ Set At **3,757**

Bottom Hole Temp. **155** Pressure _____

Retainer Depth _____ Total Depth **5164**

	Called Out	On Location	Job Started	Job Completed
Date	7.15.13	7.15.13	7.15.13	7.16.13
Time	1300	2000	2250	100

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data						
	New/Used	Weight	Size	Grade	From	To
Casing		26#	7"		Surface	
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			8 1/2"		Surface	5,164
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials				
Mud Type	WBM	Density	9	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal
Spacer type	resh Wate BBL.		20	8.33
Spacer type	Caustic BBL.		10	8.40
Acid Type	Gal.		%	
Acid Type	Gal.		%	
Surfactant	Gal.		In	
NE Agent	Gal.		In	
Fluid Loss	Gal/Lb		In	
Gelling Agent	Gal/Lb		In	
Fric. Red.	Gal/Lb		In	
MISC.	Gal/Lb		In	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

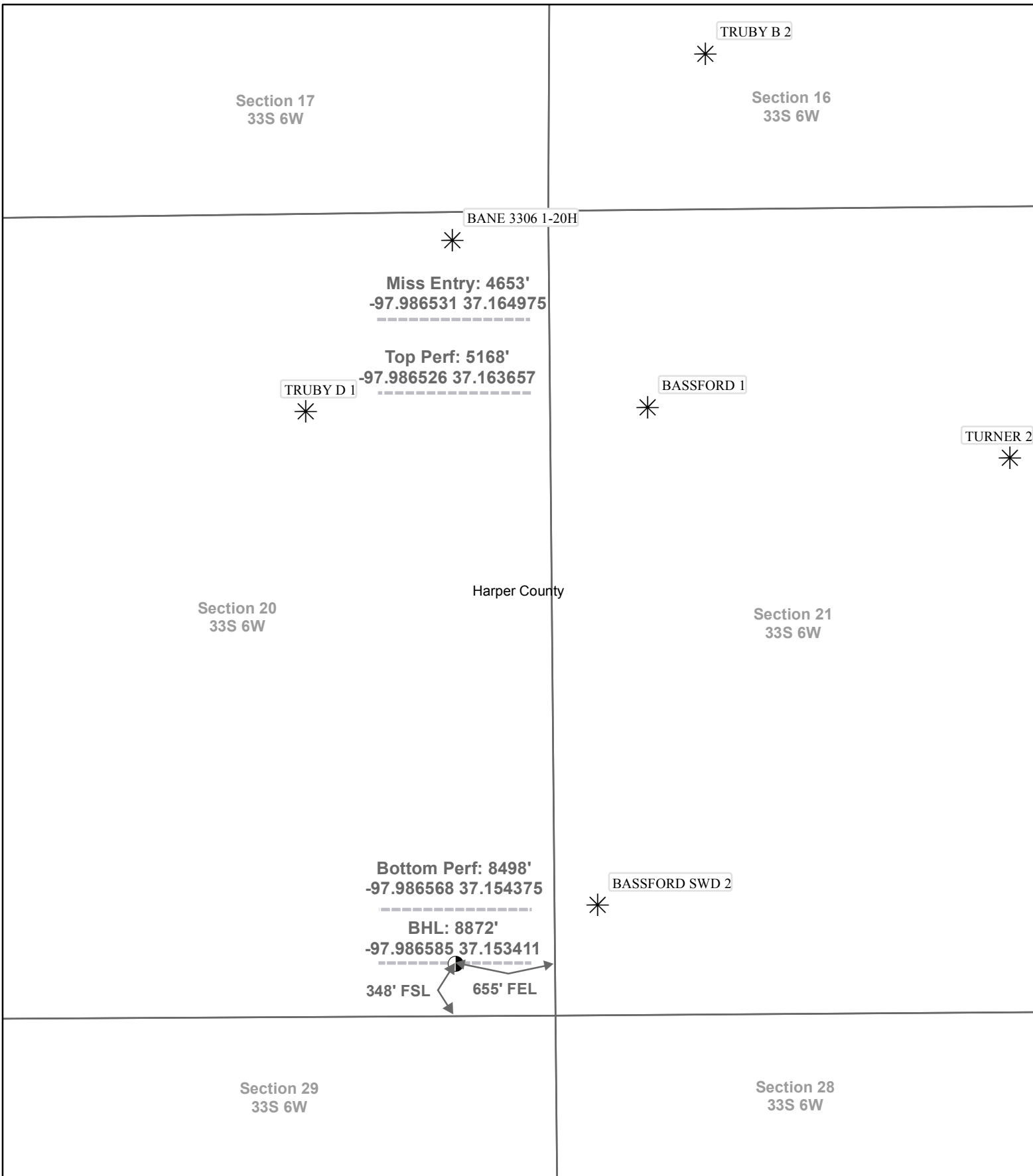
Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
7.15.13	4.0	7.16.13	1.0	Intermediate
7.16.13	1.0			
Total 5.0		Total 1.0		

Pressures	
MAX 5,000 PSI	AVG 500
Average Rates in BPM	
MAX 8 BPM	AVG 5
Cement Left in Pipe	
Feet 89	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	220	50/50 POZ PREMIUM	4% Gel - 0.4% FL-17 - 0.2% C-51 - 0.1% C-20 - 0.1% C-37 - 0.5% C-41P	6.77	1.44	13.60
2	100	Premium	0.4% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.4% C-41P	5.20	1.18	15.60
3	0	0		0	0.00	0.00

Summary					
Preflush	10	Type: _____	Caustic	Preflush: BBI	30.00
Breakdown		MAXIMUM	5,000 PSI	Load & Bkdn: Gal - BBI	N/A
		Lost Returns-N	NO/FULL	Excess /Return BBI	N/A
		Actual TOC	3.190	Calc. TOC:	3.190
Average		Bump Plug PSI:	1,500	Final Circ. PSI:	800
	5 Min.	10 Min.	15 Min.	Cement Slurry: BBI	78.0
				Total Volume BBI	303.00

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____



SANDRIDGE
THE POWER OF US™

Actual Bottom-Hole Location of Bane 3306 1-20H
Harper County
T&R: 33S 6W
Section: 20, 655' FEL & 348' FSL
-97.986585 37.153411

1 in = 833 ft

● Actual BH Location

* SandRidge Wells

--- Perf

□ Sections

0 750 1,500 3,000 Feet

Draftsman: Aaron Birk	Draft Date: 10/25/2013
Drawing Name/Number: Addendum_Bane 3306 1-20H.mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	8/9/2013
Job End Date:	8/11/2013
State:	Kansas
County:	Harper
API Number:	15-077-21948-01-00
Operator Name:	SandRidge Energy
Well Name and Number:	Bane 3306 1-20H
Longitude:	-97.98620000
Latitude:	37.16630000
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	8,872
Total Base Water Volume (gal):	1,718,072
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
C102	Bosque Disposal Systems, LLC	Oxidizer					
			Chlorine Dioxide	10049-04-4	15.00000	100.00000	
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.							
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			2-propenamid	79-06-1	0.00151		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Polyethylene glycol monoethyl ether	31726-34-8	0.11466		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					

			Alkenes, C>10 a-	64743-02-8	0.00139		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Propan-2-ol	67-63-0	0.00101		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Alcohols, C10-C16, ethoxylated	68002-97-1	0.00673		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Trisodium ortho phosphate	7601-54-9	0.03250		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Fatty acids, tall-oil	61790-12-3	0.00817		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Sodium sulfocyanate	540-72-7	0.00875		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Ethoxylated oleic acid	9004-96-0	0.03366		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Sodium erythorbate	6381-77-7	0.02113		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Ammonium chloride	12125-02-9	0.16828		

HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Prop-2-yn-1-ol	107-19-7	0.00209		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.00505		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Alcohols, C12-C14, ethoxylated	68439-50-9	0.00505		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Water (Including Mix Water Supplied by Client)*	NA			
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Acrylamide/ammonium acrylate copolymer	26100-47-0	0.26925		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Alcohols, C14-15, ethoxylated (7EO)	68951-67-7	0.00313		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Ethane-1,2-diol	107-21-1	0.00925		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					

			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00503		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Hydrogen chloride	7647-01-0	2.69161		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Crystalline silica	14808-60-7	96.10712		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Potassium hydroxide	1310-58-3	0.00023		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Sorbitan monooleate	1338-43-8	0.03366		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			C14 alpha olefin ethoxylate	84133-50-6	0.00505		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Distillates (petroleum), hydrotreated light	64742-47-8	0.35339		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Sorbitol Tetraoleate	61723-83-9	0.01010		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					

			2-Propenoic acid, ammonium salt	10604-69-0	0.00825		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Methanol	67-56-1	0.01113		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Ethanol, 2,2',2''-nitrotris-, 1,1',1''-tris(dihydrogen phosphate), sodium salt	68171-29-9	0.07393		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Thiourea, polymer with formaldehyde and 1-phenylethanone	68527-49-1	0.00673		

* 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)

Remarks

Tiffany Golay 10/23/013 12:42 pm	Additional Fluid Mgmt Info: 2320 bbls soil farmed by Texoma Tank Services, SW/4, 14-29N-9W, Alfalfa, OK
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