Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1082082

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 # 34192
Name: SandRidge Exploration and Production LLC
Address 1: 123 ROBERT S. KERR AVE
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73102 + 6406
Contact Person: Tiffany Golay
Phone: (405) 429-6543
CONTRACTOR: License # 34464
Name: Lariat Services, Inc.
Wellsite Geologist: Kathy Gentry
Purchaser: DCP Midstream, LP (gas) NCRA (oil)

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 #:

5/24/2012	6/15/2012	6/19/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-033-21639-01-00
Spot Description:
SW SW SE SE Sec. 24 Twp. 34 S. R. 18 ☐ East ☑ West
200 Feet from ☐ North / ☑ South Line of Section
1000 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Comanche
Lease Name: Brock 3418 Well #: 1-24H
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 1861 Kelly Bushing: 1881
Total Vertical Depth: 9747 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 435 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: 22000 ppm Fluid volume: 440 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: SandRidge Expl. and Prod. LLC
Lease Name: Dixie #1-25 License #: 34192
Quarter SW Sec. 25 Twp. 31 S. R. 20 ☐ East ☑ West
County: Comanche Permit #: D-30872

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: 09/20/2012
☑ **Confidential Release Date:** 09/20/2014
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 09/20/2012

[redacted] 1082082

Operator Name: SandRidge Exploration and Production LLC Lease Name: Brock 3418 Well #: 1-24H

Sec. 24 Twp. 34 S. R. 18 ☐ East ☑ West County: Comanche

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 ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Induction
Density

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
Attached	Attached	Attached	Attached	Attached	Attached	Attached	Attached

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ 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 *(Amount and Kind of Material Used)*	Depth
Attached	Attached	Attached	Attached

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 7/6/2012

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:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
_____
_____

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Brock 3418 1-24H
Doc ID	1082082

Tops

Name	Top	Datum
Base Heebner Shale Marker	4334	
Lansing Ls.Shale Group	4550	
Oswego Ls Group	5136	
Cherokee Shale Marker	5202	
Miss Unconformity	5280	
Miss Eroded, Karsted, Bedded	5311	
Miss Bedded, Altered	5327	
Mississippi 'True' Solid	5344	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
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Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9323-9629	4322 bbls of water, 36 bbls acid, 75M lbs sand, 4358 TLTR	
5	8943-9241	4246 bbls of water, 36 bbls acid, 75M lbs sand, 8811 TLTR	
5	8550-8869	4272 bbls of water, 36 bbls acid, 75M lbs sand, 13259 TLTR	
5	8200-8498	4257 bbls of water, 36 bbls acid, 75M lbs sand, 17651 TLTR	
5	7793-8103	4339 bbls of water, 36 bbls acid, 77M lbs sand, 22139 TLTR	
5	7424-7729	4270 bbls of water, 36 bbls aicd, 75M lbs sand, 26535 TLTR	
5	7044-7364	4252 bbls of water, 36 bbls acid, 75M lbs sand, 35262 TLTR	
5	6284-6577	4279 bbls of water, 36 bbls acid, 75M lbs sand, 39616 TLTR	
5	5888-6130	4336 bbls of water, 39 bbls acid, 75M lbs sand, 44022 TLTR	
5	5544-5830	4157 bbls of water, 38 bbls acid, 74M lbs sand, 48243 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Brock 3418 1-24H
Doc ID	1082082

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	32	20	75	120	Mid-Continent Conductor 8 sack grout	10	none
Surface	12.25	13.37	68	435	O-TEX Lite Standard/ Standard	840	(6% Gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate	17.5	9.63	36	965	O-Tex Lite Standard/ Standard	540	(6% Gel) 2% Calcium Chloride, 1/4 pps Celo-Flake, .5% C-41P
Intermediate	12.25	7	26	5840	50/50 Poz Premium/ Premium	240	4% Gel, .4% C12, .1% C37, .5% C41P, 2 lb/sk Phenoseal

Form	ACO1 - Well Completion
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Well Name	Brock 3418 1-24H
Doc ID	1082082

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Liner	8.75	4.5	11.6	9747	50/50 Premium Poz	470	4% gel, .4% C12, .1% C37, .5% C41P, 2 lb/sk Phenoseal

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

Kansas
Corporation Commission

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

September 11, 2012

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

Re: ACO1
API 15-033-21639-01-00
Brock 3418 1-24H
SE/4 Sec.24-34S-18W
Comanche 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

SandRidge Energy

Comanche County (KS27S)
Sec 24-R34S-R18W
Brock 3418 1-24H

Wellbore #1

Survey: MWD Surveys

Standard Survey Report

16 June, 2012

Wolverine Directional, LLC

Survey Report

Company:	SandRidge Energy	**Local Co-ordinate Reference:**	Well Brock 3418 1-24H
Project:	Comanche County (KS27S)	**TVD Reference:**	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 24-R34S-R18W	**MD Reference:**	WELL @ 0.0ft (Original Well Elev)
Well:	Brock 3418 1-24H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 2003.21 Single User Db

Design	Wellbore #1			
Audit Notes:				
Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**
	0.0	0.0	0.0	0.22

Survey Program **Date** 06/16/12

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
1,044.0	9,747.0	MWD Surveys (Wellbore #1)	MWD	MWD - Standard

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
1,044.0	0.20	186.40	1,044.0	-1.8	-0.2	-1.8	0.02	0.02	0.00
First MWD Survey									
1,234.0	0.00	359.60	1,234.0	-2.1	-0.2	-2.1	0.11	-0.11	0.00
1,520.0	0.10	49.80	1,520.0	-2.0	0.0	-2.0	0.03	0.03	0.00
1,996.0	0.30	35.20	1,996.0	-0.7	1.0	-0.7	0.04	0.04	-3.07
2,472.0	0.50	131.50	2,472.0	-1.1	3.3	-1.0	0.13	0.04	20.23
2,948.0	0.60	106.00	2,948.0	-3.1	7.2	-3.1	0.05	0.02	-5.36
3,424.0	0.40	16.30	3,424.0	-2.2	10.1	-2.2	0.15	-0.04	-18.84
3,900.0	0.80	354.10	3,899.9	2.7	10.2	2.7	0.10	0.08	-4.66
4,090.0	0.80	349.70	4,089.9	5.3	9.8	5.4	0.03	0.00	-2.32
4,186.0	0.80	326.60	4,185.9	6.5	9.3	6.6	0.33	0.00	-24.06
4,281.0	0.60	334.40	4,280.9	7.5	8.8	7.6	0.23	-0.21	8.21
4,376.0	0.90	2.00	4,375.9	8.7	8.6	8.8	0.49	0.32	29.05
4,408.0	1.00	350.90	4,407.9	9.3	8.5	9.3	0.65	0.31	-34.69
4,439.0	0.90	351.00	4,438.9	9.8	8.5	9.8	0.32	-0.32	0.32
4,471.0	1.70	353.00	4,470.9	10.5	8.4	10.5	2.50	2.50	6.25
4,503.0	3.50	0.20	4,502.8	11.9	8.3	12.0	5.71	5.63	22.50
4,535.0	6.20	4.70	4,534.7	14.6	8.4	14.7	8.51	8.44	14.06
4,566.0	8.40	5.70	4,565.5	18.6	8.8	18.6	7.11	7.10	3.23
4,598.0	10.60	5.60	4,597.0	23.8	9.3	23.8	6.88	6.88	-0.31
4,630.0	12.80	5.30	4,628.4	30.3	9.9	30.3	6.88	6.88	-0.94
4,661.0	15.10	4.90	4,658.4	37.7	10.6	37.8	7.43	7.42	-1.29
4,693.0	17.30	4.40	4,689.2	46.6	11.3	46.7	6.89	6.88	-1.56
4,725.0	19.80	4.50	4,719.5	56.8	12.1	56.8	7.81	7.81	0.31
4,756.0	21.90	4.20	4,748.5	67.8	12.9	67.8	6.78	6.77	-0.97
4,788.0	23.90	3.10	4,777.9	80.2	13.7	80.2	6.39	6.25	-3.44
4,820.0	25.90	3.10	4,807.0	93.6	14.5	93.7	6.25	6.25	0.00
4,852.0	27.80	2.90	4,835.5	108.1	15.2	108.1	5.94	5.94	-0.63
4,883.0	29.50	2.80	4,862.7	122.9	16.0	123.0	5.49	5.48	-0.32
4,915.0	31.40	2.90	4,890.3	139.1	16.8	139.2	5.94	5.94	0.31
4,947.0	33.10	2.80	4,917.4	156.2	17.6	156.2	5.32	5.31	-0.31
4,979.0	34.60	3.10	4,943.9	174.0	18.5	174.0	4.72	4.69	0.94
5,011.0	36.10	2.60	4,970.0	192.5	19.5	192.5	4.77	4.69	-1.56
5,042.0	38.30	1.50	4,994.7	211.2	20.1	211.3	7.41	7.10	-3.55
5,074.0	40.50	0.80	5,019.5	231.5	20.5	231.6	7.01	6.88	-2.19
5,106.0	43.00	1.10	5,043.3	252.8	20.9	252.9	7.84	7.81	0.94
5,138.0	44.40	1.00	5,066.5	274.9	21.3	275.0	4.38	4.38	-0.31
5,169.0	46.30	1.10	5,088.3	297.0	21.7	297.0	6.13	6.13	0.32

Wolverine Directional, LLC

Survey Report

Company:	SandRidge Energy	**Local Co-ordinate Reference:**	Well Brock 3418 1-24H
Project:	Comanche County (KS27S)	**TVD Reference:**	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 24-R34S-R18W	**MD Reference:**	WELL @ 0.0ft (Original Well Elev)
Well:	Brock 3418 1-24H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,201.0	48.60	0.80	5,109.9	320.5	22.1	320.6	7.22	7.19	-0.94
5,233.0	50.20	1.00	5,130.7	344.8	22.5	344.9	5.02	5.00	0.63
5,265.0	50.20	1.10	5,151.2	369.4	22.9	369.5	0.24	0.00	0.31
5,296.0	50.10	1.10	5,171.1	393.2	23.4	393.3	0.32	-0.32	0.00
5,328.0	50.00	1.00	5,191.6	417.7	23.8	417.8	0.39	-0.31	-0.31
5,360.0	49.90	0.50	5,212.2	442.2	24.1	442.3	1.24	-0.31	-1.56
5,392.0	49.40	0.30	5,232.9	466.6	24.3	466.7	1.63	-1.56	-0.63
5,423.0	50.60	0.00	5,252.8	490.3	24.4	490.4	3.94	3.87	-0.97
5,455.0	53.30	0.10	5,272.6	515.5	24.4	515.6	8.44	8.44	0.31
5,487.0	56.10	0.40	5,291.1	541.7	24.5	541.7	8.78	8.75	0.94
5,519.0	59.20	0.70	5,308.2	568.7	24.8	568.8	9.72	9.69	0.94
5,550.0	63.00	1.20	5,323.2	595.8	25.2	595.9	12.34	12.26	1.61
5,582.0	66.90	1.10	5,336.7	624.8	25.8	624.9	12.19	12.19	-0.31
5,614.0	69.10	0.40	5,348.7	654.5	26.2	654.6	7.17	6.88	-2.19
5,645.0	71.90	0.50	5,359.0	683.7	26.4	683.8	9.04	9.03	0.32
5,677.0	75.20	0.50	5,368.1	714.4	26.7	714.5	10.31	10.31	0.00
5,709.0	78.90	0.80	5,375.3	745.5	27.0	745.6	11.60	11.56	0.94
5,741.0	82.40	0.60	5,380.5	777.1	27.4	777.2	10.95	10.94	-0.63
5,773.0	85.70	0.50	5,383.8	808.9	27.7	809.0	10.32	10.31	-0.31
5,792.0	87.20	0.60	5,385.0	827.9	27.9	828.0	7.91	7.89	0.53
5,853.0	89.90	0.70	5,386.5	888.9	28.6	889.0	4.43	4.43	0.16
5,945.0	92.20	359.50	5,384.8	980.8	28.8	980.9	2.82	2.50	-1.30
6,038.0	91.60	359.10	5,381.7	1,073.8	27.6	1,073.9	0.78	-0.65	-0.43
6,129.0	92.00	358.80	5,378.9	1,164.7	26.0	1,164.8	0.55	0.44	-0.33
6,221.0	90.30	358.90	5,377.0	1,256.7	24.1	1,256.8	1.85	-1.85	0.11
6,313.0	90.60	359.30	5,376.3	1,348.7	22.7	1,348.7	0.54	0.33	0.43
6,404.0	91.40	358.60	5,374.7	1,439.6	21.0	1,439.7	1.17	0.88	-0.77
6,496.0	89.80	359.50	5,373.8	1,531.6	19.5	1,531.7	2.00	-1.74	0.98
6,588.0	90.40	358.90	5,373.6	1,623.6	18.2	1,623.7	0.92	0.65	-0.65
6,680.0	90.90	359.40	5,372.5	1,715.6	16.8	1,715.6	0.77	0.54	0.54
6,776.0	91.60	359.50	5,370.5	1,811.6	15.9	1,811.6	0.74	0.73	0.10
6,870.0	90.00	359.50	5,369.1	1,905.5	15.1	1,905.6	1.70	-1.70	0.00
6,966.0	90.90	359.00	5,368.4	2,001.5	13.8	2,001.6	1.07	0.94	-0.52
7,061.0	91.30	358.90	5,366.6	2,096.5	12.1	2,096.5	0.43	0.42	-0.11
7,157.0	91.90	358.20	5,363.9	2,192.4	9.7	2,192.4	0.96	0.63	-0.73
7,253.0	91.60	358.20	5,361.0	2,288.3	6.6	2,288.3	0.31	-0.31	0.00
7,348.0	89.40	0.00	5,360.1	2,383.3	5.2	2,383.3	2.99	-2.32	1.89
7,444.0	90.00	358.80	5,360.6	2,479.3	4.2	2,479.3	1.40	0.63	-1.25
7,539.0	90.40	358.10	5,360.3	2,574.3	1.6	2,574.3	0.85	0.42	-0.74
7,635.0	91.50	356.80	5,358.7	2,670.2	-2.7	2,670.1	1.77	1.15	-1.35
7,730.0	91.20	357.40	5,356.5	2,765.0	-7.5	2,765.0	0.71	-0.32	0.63
7,826.0	89.20	357.00	5,356.1	2,860.9	-12.2	2,860.8	2.12	-2.08	-0.42
7,922.0	89.50	356.30	5,357.2	2,956.7	-17.8	2,956.6	0.79	0.31	-0.73
8,017.0	91.30	358.90	5,356.6	3,051.6	-21.8	3,051.5	3.33	1.89	2.74
8,113.0	91.70	0.00	5,354.0	3,147.6	-22.7	3,147.5	1.22	0.42	1.15
8,208.0	91.20	0.30	5,351.6	3,242.5	-22.4	3,242.4	0.61	-0.53	0.32
8,304.0	90.60	1.10	5,350.1	3,338.5	-21.3	3,338.4	1.04	-0.63	0.83
8,399.0	91.30	1.00	5,348.6	3,433.5	-19.5	3,433.4	0.74	0.74	-0.11
8,495.0	91.20	1.60	5,346.5	3,529.4	-17.4	3,529.4	0.63	-0.10	0.63
8,591.0	91.70	1.90	5,344.0	3,625.4	-14.4	3,625.3	0.61	0.52	0.31
8,686.0	90.70	3.50	5,342.0	3,720.2	-9.9	3,720.2	1.99	-1.05	1.68
8,782.0	91.30	3.90	5,340.4	3,816.0	-3.8	3,816.0	0.75	0.63	0.42
8,877.0	89.50	3.40	5,339.7	3,910.8	2.3	3,910.8	1.97	-1.89	-0.53
8,973.0	90.20	3.20	5,340.0	4,006.7	7.8	4,006.7	0.76	0.73	-0.21

Wolverine Directional, LLC

Survey Report

Company:	SandRidge Energy	**Local Co-ordinate Reference:**	Well Brock 3418 1-24H
Project:	Comanche County (KS27S)	**TVD Reference:**	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 24-R34S-R18W	**MD Reference:**	WELL @ 0.0ft (Original Well Elev)
Well:	Brock 3418 1-24H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,069.0	91.10	3.50	5,338.9	4,102.5	13.4	4,102.5	0.99	0.94	0.31
9,164.0	89.10	4.00	5,338.7	4,197.3	19.6	4,197.3	2.17	-2.11	0.53
9,260.0	89.10	4.10	5,340.2	4,293.0	26.4	4,293.1	0.10	0.00	0.10
9,356.0	89.10	2.20	5,341.7	4,388.9	31.7	4,389.0	1.98	0.00	-1.98
9,451.0	90.90	1.10	5,341.7	4,483.8	34.4	4,483.9	2.22	1.89	-1.16
9,547.0	91.90	0.90	5,339.4	4,579.8	36.1	4,579.9	1.06	1.04	-0.21
9,642.0	92.80	0.80	5,335.5	4,674.7	37.5	4,674.8	0.95	0.95	-0.11
9,697.0	93.30	0.70	5,332.5	4,729.6	38.2	4,729.7	0.93	0.91	-0.18
Last MWD Survey									
9,747.0	93.30	0.70	5,329.7	4,779.5	38.8	4,779.6	0.00	0.00	0.00
Proj to TD - Brock 3418 1-24H PBHL									

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
1,044.0	1,044.0	-1.8	-0.2	First MWD Survey
9,697.0	5,332.5	4,729.6	38.2	Last MWD Survey
9,747.0	5,329.7	4,779.5	38.8	Proj to TD

Checked By: _____ Approved By: _____ Date: _____

Mid-Continent Conductor, LLC

Invoice

Date	Invoice #
5/23/2012	1334

P.O. Box 1570
Woodward, OK 73802

Phone: (580)254-5400
Fax: (580)254-3242

Bill To
SandRidge Energy, Inc. Attn: Purchasing Mgr. 123 Robert S. Kerr Avenue Oklahoma City, OK. 73102

Ordered By	Terms	Date of Service	Lease Name/Legal Desc.	Drilling Rig
Jason Harrison	Net 45	5/23/2012	Brock 1-24H, Comanche Cnty, KS	Lariat 38

Item	Quantity	Description
Conductor Hole	100	Drilled 100 ft. conductor hole.
20" Pipe	100	Furnished 100 ft. of 20 inch conductor pipe.
Mouse Hole	80	Drilled 80 ft. mouse hole.
16" Pipe	80	Furnished 80 ft. of 16 inch mouse hole pipe.
Cellar Hole	1	Drilled 6x6 cellar hole.
6' X 6' Tinhorn	1	Furnished and set 6x6 tinhorn.
Mud and Water	1	Furnished mud and water.
Mud, Water, & Trucking	1	Transport mud and water to location.
Grout & Trucking	10	Furnished 10 yards of grout and trucking to location.
Grout Pump	1	Furnished grout pump.
Welder & Materials	1	Furnished welder and materials.
Dirt Removal	1	Labor and Equip. for dirt removal.
Cover Plate	1	Furnished cover plates.
Permits	1	Permits

AFE Number: DC 12080
Well Name: Brock 3418 1-24H
Code: 850.010
Amount: 23,910.00
Co. Man: Felix Ortiz Jr
Co. Man Sig.: Felix Ortiz Jr
Notes:

Subtotal	$23,910.00
Sales Tax (0.0%)	$0.00
Total	$23,910.00

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK1513	06/01/12

COUNTY	State	COMPANY	CUSTOMER REP
COMANCHE	KANSAS	dridge Exploration & Produc	ROGER BARBER

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
BROCK 3418	1-24H	Surface	Johnny Breeze

EMP NAME								
Johnny Breeze		0						
Scott Woods								
David Settlemier								
Flo Helkena								

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 342'

	Called Out	On Location	Job Started	Job Completed
Date	5/31/2012	6/1/2012	6/1/2012	6/2/2012
Time	1800	0430	1411	0530

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	Max. Allow
Casing		48#	13 3/8	Surface	451	1,500
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			17 1/2	Surface	450	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density 9	Lb/Gal	
Disp. Fluid	Fresh Water	Density 8.33	Lb/Gal	
Spacer type	resh Wate	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 _____

Other _____

Hours On Location

Date	Hours
6/1	25.0
Total	25.0

Operating Hours

Date	Hours
6/2	4.0
Total	4.0

Description of Job

Surface

Pressures

MAX 1,500 PSI AVG. 50

Average Rates in BPM

MAX 6 BPM AVG 5

Cement Left in Pipe

Feet 44 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	360	O-TEX Lite Standard	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	180	Standard	2% Calcium Chloride - 1/4pps Cello-Flake	5.20	1.18	15.60
3	300	Standard	2% Calcium Chloride on side to use if necessary	5.20	1.18	15.60

Summary

Preflush		Type:		Preflush:	BBl	10.00	Type: Fresh Water
Breakdown		MAXIMUM	1,500 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	No Returns	Excess /Return	BBl	0	Calc.Disp Bbl 44
		Actual TOC	SURFACE	Calc. TOC:		SURFACE	Actual Disp. 44.00
Average		Bump Plug PSI:	600	Final Circ.	PSI:	90	Disp:Bbl
ISIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBl	165.8	
				Total Volume	BBl	209.80	

CUSTOMER REPRESENTATIVE _____ SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK1528	06/03/12

COUNTY	State	COMPANY	CUSTOMER REP
COMANCHE	KANSAS	dridge Exploration & Produc	ROGER BARBER

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
BROCK 3418	1-24H	Surface	

EMP NAME							
LOUIS ARNEY		0					
BILLY TAFF							
MARCOS QUINTANA							
CHERYL NEWTON							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 850'

	Called Out	On Location	Job Started	Job Completed
Date	6/3/2012	6/4/2012	6/4/2012	6/4/2012
Time	18:00	3:00	9:40	11:07

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	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	Max. Allow
Casing		36#	9 5/8	Surface		1,500
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4"	Surface	850'	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density 9		Lb/Gal
Disp. Fluid	Fresh Water	Density 8.33		Lb/Gal
Spacer type	resh Wate	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 _____

Other _____

Hours On Location

Date	Hours
6/4	9.0
Total	9.0

Operating Hours

Date	Hours
6/4	1.5
Total	1.5

Description of Job

Surface

Pressures

MAX 1,500 PSI AVG. 200

Average Rates in BPM

MAX 6 BPM AVG 5

Cement Left in Pipe

Feet 44' Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	260	O-TEX Lite Standard	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	180	Standard	2% Calcium Chloride - 1/4pps Cello-Flake	5.20	1.18	15.60
3	100	Standard	2% Calcium Chloride on side to use if necessary	5.20	1.18	15.60

Summary

Preflush _____ Type: _____

Breakdown _____ MAXIMUM 1,500 PSI

_____ Lost Returns-N NO/FULL

_____ Actual TOC SURFACE

Average _____ Bump Plug PSI: 800

ISIP _____ 5 Min. _____ 10 Min. _____ 15 Min. _____

Preflush:	BBl	10.00
Load & Bkdn:	Gal - BBl	N/A
Excess /Return	BBl	100
Calc. TOC:		SURFACE
Final Circ.	PSI:	250
Cement Slurry:	BBl	118.8
Total Volume	BBl	197.80

Type: Fresh Water

Pad:Bbl -Gal N/A

Calc.Disp Bbl 71

Actual Disp. 69.00

Disp:Bbl _____

CUSTOMER REPRESENTATIVE _____ SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK1545	06/10/11

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	Sandridge Exploration & Production	Felix Ortiz Jr./Marc Harvey

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Brock 3418	1-24H	Intermediate	Jared Green

EMP NAME							
Jared Green		Eric Parsons					
Arthur Setzar							
0.00							
Robert Stonehocker							

Form. Name _____ Type: _____

Packer Type _____ Set At 4,462

Bottom Hole Temp. 155 Pressure _____

Retainer Depth _____ Total Depth 5845

	Called Out	On Location	Job Started	Job Completed
Date		6/10/2012	6/10/2012	6/10/2012
Time		5:00pm		

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	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	Max. Allow
Casing		26#	7"		Surface	5,842	5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 3/4"		Surface	5,845	Shots/Ft.
Perforations							
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					
Other					

Hours On Location

Date	Hours
6/10	
Total	0.0

Operating Hours

Date	Hours
6/10	
Total	0.0

Description of Job

Intermediate

Pressures

MAX 5,000 PSI AVG. 350

Average Rates in BPM

MAX 8 BPM AVG 4

Cement Left in Pipe

Feet 92 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	140	50/50 POZ PREMIUM	4% Gel - 0.4% C-12 - 0.1% C-37 - 0.5% C-41P - 2 lb/sk Phenoseal	6.77	1.44	13.60
2	100	Premium	0.4% C-12 - 0.1% C-37	5.20	1.18	15.60
3	0	0	0	0.00	0.00	0.00

Summary

Preflush	10	Type:	CF-63	Preflush:	BBl	30.00	Type: WEIGHTED SP.
Breakdown		MAXIMUM	5,000 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl	N/A	Calc.Disp Bbl 220
		Actual TOC		Calc. TOC:			Actual Disp. 220.00
Average		Bump Plug PSI:	1,250	Final Circ.	PSI:	780	Disp:Bbl
ISIP _____ 5 Min. _____		10 Min _____	15 Min _____	Cement Slurry:	BBl	56.9	
				Total Volume	BBl	306.90	

CUSTOMER REPRESENTATIVE _____ SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK1563	06/16/12

COUNTY	State	COMPANY	CUSTOMER REP
COMANCHE	KANSAS	dridge Exploration & Produc	ROGER BARBER

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
BROCK 3418	1-24H	Liner	Matt Wilson

EMP NAME							
Matt Wilson		Marcos Quintana					
Jayson Pierce							
Billy Taff							
David Thomas							

Form. Name _____ Type: _____

Packer Type _____ Set At 5840'

Bottom Hole Temp. 150 Pressure _____

Retainer Depth _____ Total Depth 9747'

	Called Out	On Location	Job Started	Job Completed
Date	6/17/2012	6/18/2012	6/18/2012	6/18/2012
Time	6:00 pm	12:00 am	1:07 am	4:00 am

Tools and Accessories

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

Well Data

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing		11.6	4 1/2	5,233'	9,543'	3,500
Liner Tool				5,215'	5,233'	3,500
HWDP				3,836.33'	5,215'	3,500
Drill Pipe			3 1/2"	Surface	3,836.33'	3,500
Drill Collars						3,500
Open Hole			6 1/8"	Surface	9747'	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density 9.1	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 _____

Other _____

Hours On Location

Date	Hours
6/18	
Total	0.0

Operating Hours

Date	Hours
6/18	4.0
Total	4.0

Description of Job

Liner

Pressures

MAX 3,500 PSI AVG 300

Average Rates in BPM

MAX 6 BPM AVG 4

Cement Left in Pipe

Feet 86 Reason SHOE JOINT

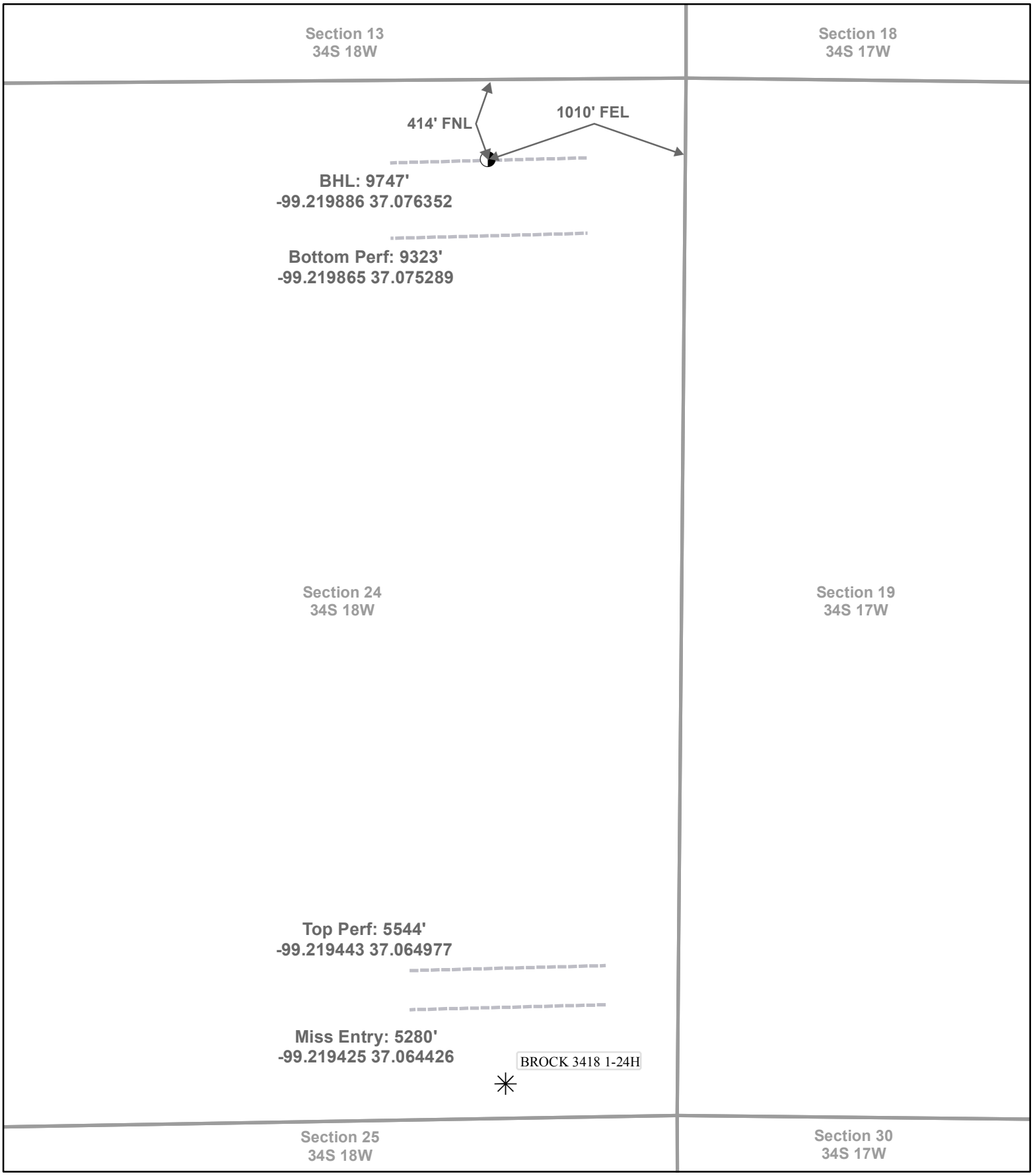
Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	470	50/50 Premium Poz	(4%Gel) - .4% C12 - .1% C37 - 0.5% C-41P - 2 Lb/Sk Phenoseal	6.77	1.44	13.60
2	0	0	0	0.00	0.00	0.00
3	0	0	0	0.00	0.00	0.00

Summary

Preflush	10	Type:	Caustic	Preflush:	BBl	20.00	Type: C-63
Breakdown		MAXIMUM	3,500 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl	N/A	Calc.Disp Bbl 99
		Actual TOC	4,697'	Calc. TOC:		4,697'	Actual Disp. 99.00
Average		Bump Plug PSI:		Final Circ.	PSI:	730	Disp:Bbl
ISIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBl	120.5	
				Total Volume	BBl	239.54	

CUSTOMER REPRESENTATIVE _____ SIGNATURE



SANDRIDGE
THE POWER OF US

Actual BH Location
SandRidge Wells
Perf
Sections

Actual Bottom-Hole Location of Brock 3418 1-24H
Comanche County, Kansas
T&R: 34S 18W
Section: 24, 414' FNL & 1010' FEL
Long/Long: -99.219886, 37.076352

1 in = 650 ft

0 500 1,000 2,000 Feet

N

Draftsman: Aaron Birk	Draft Date: 9/12/2012
Drawing Name/Number: Addendum_Brock_3418_1-24H.mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	

Logo

Back to Well Completion

Brock 3418 1-24H (1082082)

Actions
View PDF
Delete
Edit
Certify & Submit
Request Confidentiality

Attachments	
Two Year Confidentiality OPERATOR	View PDF Delete
Directional Survey OPERATOR	View PDF Delete
Cement Reports OPERATOR	View PDF Delete
As Drilled Plat OPERATOR	View PDF Delete

Add Attachment

Remarks

Remarks to KCC	

Add Remar

Remarks

Tiffany Golay 09/20/012 10:43 am	Correct Additional Fluid Mgmt Info: 4850 bbls hauled to LoJo Disposal, Pit #1, SW/4 10-26N-15S, Woods County, OK; 100 bbls hauled to Harmon SWD 1 NW/4 11-33S-20W, Comanche County; 70 bbls hauled to German SWD
Tiffany Golay 09/20/012 10:27 am	Please disregard 10:22 am remark- that was meant for another well.
Tiffany Golay 09/20/012 10:22 am	Additional Fluid Mgmt Info: 120 bbls hauled to Harmon SWD 1, 11-33S-20W, NW/4, E-22304 Pond 4489, License# 5993, Comanche County, KS; 280bbls hauled to West OK Disposal, Smith Estate, Well #1, 21-23N-21W, Woodward County, OK; 140bbls hauled to German SWD
Tiffany Golay 09/12/012 09:57 am	Conductor: 94 lbs/ft and set with 10 yds of grout