



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1106388
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: _____



1106388

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: 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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Circle 3410 1-35H
Doc ID	1106388

All Electric Logs Run

Boresight
Mudlog
Porosity
Resistivity

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Circle 3410 1-35H
Doc ID	1106388

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8721-9100	4207 bbls water, 36 bbls acid, 75M lbs sd, 4336 TLTR	
5	8250-8629	4199 bbls water, 36 bbls acid, 75M lbs sd, 8728 TLTR	
5	7778-8157	4192 bbls water, 36 bbls acid, 75M lbs sd, 13114 TLTR	
5	7307-7686	4185 bbls water, 36 bbls acid, 75M lbs sd, 17404 TLTR	
5	6835-7215	4178 bbls water, 36 bbls acid, 75M lbs sd, 21806 TLTR	
5	6375-6743	4170 bbls water, 36 bbls acid, 75M lbs sd, 26126 TLTR	
5	5920-6272	4163 bbls water, 36 bbls acid, 75M lbs sd, 29516 TLTR	
5	5421-5786	4156 bbls water, 36 bbls acid, 75M lbs sd, 33738 TLTR	
5	4950-5329	4148 bbls water, 36 bbls acid, 75M lbs sd, 38155 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Circle 3410 1-35H
Doc ID	1106388

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	30	20	75	106	Mid-Continent Conductor grout	10	none
Surface	12.25	9.63	36	1000	O-Tex Lite Premium Plus 65/ Premium Plus (Class C)	600	6% gel, 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C41P
Intermediate	8.75	7	26	5317	50/50 poz Premium/ Premium	260	4% Gel, .4% C12, .5% C41P, 2 lb/sk Phenoseal
Liner	6.12	4.5	11.6	9216	50/50 Poz Premium	470	4% Gel, .4% C12, .5% C41P, 2 lb/sk Phenoseal

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

January 02, 2013

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

Re: ACO1
API 15-007-23971-01-00
Circle 3410 1-35H
NW/4 Sec.35-34S-10W
Barber 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



Invoice

P.O. Box 1570
Woodward, OK 73802

Phone: (580)254-5400

Fax: (580)254-3242

Date	Invoice #
12/6/2012	1596

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
Parker	Net 45	12/6/2012	Circle 3410 1-35H, Barber Cnty, KS	Unit 9

Item	Quantity	Description						
Conductor Hole	90	Drilled 90 ft. conductor hole						
20" Pipe	90	Furnished 90 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 6' X 6' cellar hole						
6' X 6' Tinhorn	1	Furnished and set 6' X 6' tinhorn						
Mud and Water	1	Furnished mud and water						
Transport Truck - Conductor	1	Transport mud and water to location						
Grout & Trucking	10	Furnished grout and trucking to location						
Grout Pump	1	Furnished grout pump						
Fence Panels	4	Furnished and set fence panels around conductor hole						
Welder & Materials	1	Furnished welder and materials						
Dirt Removal	1	Furnished labor and equipment for dirt removal						
Cover Plate	1	Furnished cover plates						
Permits	1	Permits						
		AFE Number: <u>DC-12482</u> Well Name: <u>Loc. 3510 3-2H</u> Code: <u>850-010</u> Amount: <u>17,340.00</u> Co. Man: <u>Dwayne Burt</u> Co. Man Sig.: <u>Dwayne Burt</u> Notes: _____						
		<table border="1" style="width: 100%;"> <tr> <td>Subtotal</td> <td style="text-align: right;">\$17,340.00</td> </tr> <tr> <td>Sales Tax (0.0%)</td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td>Total</td> <td style="text-align: right;">\$17,340.00</td> </tr> </table>	Subtotal	\$17,340.00	Sales Tax (0.0%)	\$0.00	Total	\$17,340.00
Subtotal	\$17,340.00							
Sales Tax (0.0%)	\$0.00							
Total	\$17,340.00							

JOB SUMMARY			PROJECT NUMBER SOK 2230	TICKET DATE 12/17/12
COUNTY Barber	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Dwayne Burt	
LEASE NAME Circle 3410	Well No. 1-35H	JOB TYPE Surface	EMPLOYEE NAME LOUIS ARNEY	

EMP NAME LOUIS ARNEY	DAN TEWEL				
JASON JONES					
MARCOS QUINTANA					
GALE WOMACK					

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **80** Pressure _____

Retainer Depth _____ Total Depth **1000**

Date	Called Out	On Location	Job Started	Job Completed
	12/17/2012	12/17/2012	12/18/2012	12/18/2012
Time	18:00	20:00	00:40	2:00

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	1,000	Shots/Ft.
Perforations							
Perforations							
Perforations							

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

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
12/17	3.0	12/18		Surface
12/18	2.0	12/18	2.0	
Total	5.0	Total	2.0	

Pressures			
MAX	1,500 PSI	AVG.	200
Average Rates in BPM			
MAX	6 BPM	AVG	5
Cement Left in Pipe			
Feet	47'	Reason	SHOE JOINT

Cement Data		Additives			W/Rq.	Yield	Lbs/Gal	
Stage	Sacks	Cement						
1	440	TEX Lite Premium Plus 65 (6% Gel)	2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P			10.88	1.84	12.70
2	160	Premium Plus (Class C)	2% Calcium Chloride - 1/4pps Cello-Flake			6.32	1.32	14.80
3	*100	Premium Plus (Class C)	*2% Calcium Chloride on side to use if necessary			*6.32	*1.32	*14.8

Summary							
Preflush Breakdown	_____	Type: _____	MAXIMUM _____	1,500 PSI	Preflush: BBI _____	10.00	Type: Fresh Water
		Lost Returns-N _____	NO/FULL		Load & Bkdn: Gal - BBI _____	N/A	Pad:Bbl -Gal _____
		Actual TOC _____	SURFACE		Excess /Return BBI _____	29	Calc. Disp Bbl _____
Average	_____	Bump Plug PSI: _____	1,000		Calc. TOC: _____	SURFACE	Actual Disp. _____
ISIP _____	5 Min. _____	10 Min _____	15 Min _____		Final Circ. PSI: _____	400	Disp:Bbl _____
					Cement Slurry: BBI _____	182.0	
					Total Volume BBI _____	265.00	

CUSTOMER REPRESENTATIVE _____ *Dwayne Burt* _____
SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK 2247	TICKET DATE 12/23/12
COUNTY BARBER	State KANSAS	COMPANY Sandridge Exploration & Production	CUSTOMER REP DWAYNE BURT	
LEASE NAME CIRCLE	Well No. 1410 1-35	JOB TYPE Intermediate	EMPLOYEE NAME Matt Wilson	

EMP NAME					
Matt Wilson	0				
Jared Green					
Emmit Brock					
David Thomas					

Form. Name _____ Type: _____
 Packer Type _____ Set At 0
 Bottom Hole Temp. 155 Pressure _____
 Retainer Depth _____ Total Depth 5317

Date	Called Out 12/23/2012	On Location 12/23/2012	Job Started 12/23/2012	Job Completed 12/23/2012
Time	12:00 am	4:00 am	7:15 am	9:00 am

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

New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	26#	7"		Surface	5,317	5,000
Liner						
Liner						
Tubing		0				
Drill Pipe						
Open Hole		8 3/4"		Surface	5,317	Shots/Ft.
Perforations						
Perforations						
Perforations						

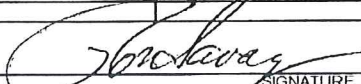
Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	Fresh Water	BBL.	20
Spacer type	Caustic	BBL.	10
Acid Type		Gal.	%
Acid Type		Gal.	%
Surfactant		Gal.	In
NE Agent		Gal.	In
Fluid Loss		Gal/Lb	In
Gelling Agent		Gal/Lb	In
Fric. Red.		Gal/Lb	In
MISC.		Gal/Lb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

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
12/23	5.0	12/23	4.0	Intermediate
Total	6.0	Total	4.0	

Pressures			
MAX	5,000 PSI	AVG	300
Average Rates in BPM			
MAX	8 BPM	AVG	5
Cement Left in Pipe			
Feet	90	Reason	SHOE JOINT

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	160	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		0.00	0.00	0.00

Summary					
Preflush Breakdown	<u>10</u>	Type: Caustic	Preflush: BBI	<u>30.00</u>	Type: WEIGHTED SP.
		MAXIMUM 5,000 PSI	Load & Bkdn: Gal - BBI	N/A	Pad: Bbl - Gal N/A
		Lost Returns-NO/FULL	Excess /Return BBI	N/A	Calc. Disp Bbl 200
		Actual TOC	Calc. TOC:	4,194	Actual Disp. 200.00
Average		Bump Plug PSI:	Final Circ. PSI:	730	Disp: Bbl
ISIP	5 Min.	10 Min.	15 Min.	62.0	
			Total Volume BBI	292.00	

CUSTOMER REPRESENTATIVE _____

 SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK 2272	TICKET DATE 12/29/12
COUNTY Barber	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Ron Savage	
LEASE NAME Circle 3410	Well No 1-35H	JOB TYPE Liner	EMPLOYEE NAME Matt Wilson	

EMP NAME Matt Wilson	Dustin Odum				
Jared Green					
Emmit Brock					
David Thomas					

Form. Name _____ Type: _____
Packer Type _____ Set At **5,317**
Bottom Hole Temp. **150** Pressure _____
Retainer Depth _____ Total Depth **9216**

Date	Called Out 12/29/2012	On Location 12/29/2012	Job Started 12/30/2012	Job Completed 12/30/2012
Time	6:00 pm	11:30 pm	1:32 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		4826	9,216	
Liner Tool							
HWDP					3,439	4,826	
Drill Pipe			3 1/2"		0	3,439	
Drill Collars							
Open Hole			6 1/8"		Surface	9,216	Shots/Ft.
Perforations							
Perforations							
Perforations							

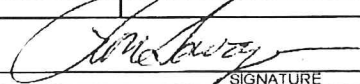
Materials			
Mud Type	WBM	Density	9.1 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	Fresh Water BBL.		20 Lb/Gal
Spacer type	Caustic BBL.		10 Lb/Gal
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
MISC.	Gal/Lb	In	
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
12/29	0.5	12/30	6.0	Liner
12/30	4.0			
Total	4.5	Total	6.0	

Pressures			
MAX	3,500 PSI	AVG	400
Average Rates in BPM			
MAX	6 BPM	AVG	4
Cement Left in Pipe			
Feet	88	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
3	0	0		0	0.00	0.00

Summary								
Preflush Breakdown	10-	Type:	Gel Water	Preflush:	BBI	30.00	Type:	3.59#SPACER
		MAXIMUM	3,500 PSI	Load & Bkdn:	Gal - BBI	N/A	Pad:Bbl -Gal	N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBI	N/A	Calc. Disp Bbl	110
		Actual TOC	4,697'	Calc. TOC:		4,697'	Actual Disp.	110.00
Average		Bump Plug PSI:		Final Circ.	PSI:	790	Disp:Bbl	
ISIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBI	120.5		
				Total Volume	BBI	260.54		

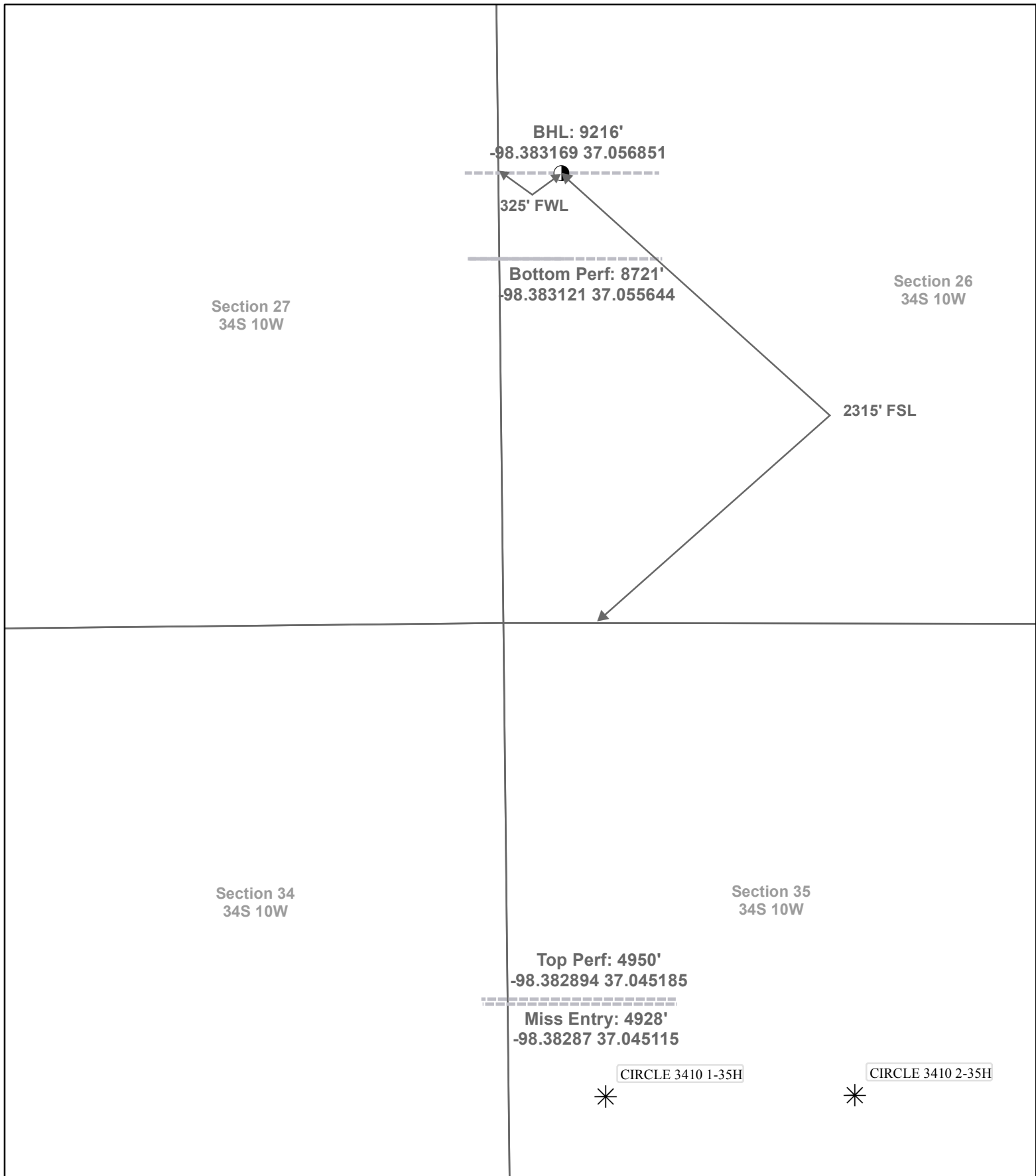
CUSTOMER REPRESENTATIVE _____

SIGNATURE

Directional Survey Calculations	Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL
SHL	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7761	2889	654	4708
BHL	9216	91.30	357.70	4771.21	4747.86	-225.95	4753.19	0.37	3013	7640	483	4912
Miss Entry	4928	55.38	344.83	4740.60	484.91	-136.04	490.35	11.46	7276	3376	524	4842
Top Perf	4950	57.80	345.38	4752.83	502.57	-140.76	508.19	11.09	7258	3394	519	4846
Bottom Perf	9100	91.46	357.79	4774.04	4631.99	-221.24	4637.22	0.41	3129	7524	486	4908

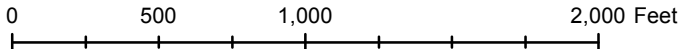
Survey Points	NW Corner XY Coord	X	Y	SW Corner XY Coord	X	Y	NE Corner XY Coord	X	Y	SE Corner XY Coord	X	Y	North Line slope	
													m	
	2033831	145099		2033953	134443		2039246	145116		2039295	134509		0.00313943	-0.0046196
						Surface XY	2034574	137340					0.01235492	-0.0114489

Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL	
0	0.0	0	0	0	0	0	0	7761	2889	654	4708	
1060	0.20	226.80	1060.00	-1.27	-1.35	-1.21	0.02	7763	2888	653	4709	
1431	0.80	191.40	1430.98	-4.25	-2.33	-4.14	0.17	7766	2885	652	4710	
1908	0.90	216.20	1907.93	-10.54	-5.20	-10.30	0.08	7772	2879	649	4713	
2382	0.80	195.00	2381.88	-16.74	-8.26	-16.36	0.07	7778	2873	646	4716	
2856	0.90	190.40	2855.83	-23.59	-9.79	-23.15	0.03	7785	2866	644	4718	
3333	0.80	199.10	3332.78	-30.43	-11.55	-29.90	0.03	7792	2859	642	4720	
3777	0.40	153.00	3776.75	-34.74	-11.86	-34.19	0.13	7796	2855	642	4720	
3840	1.50	316.70	3839.75	-34.33	-12.33	-33.76	3.00	7796	2855	641	4720	
3871	3.30	330.90	3870.72	-33.26	-13.04	-32.66	6.07	7795	2856	641	4721	
3903	4.80	346.70	3902.64	-31.15	-13.80	-30.52	5.80	7792	2858	640	4722	
3934	6.60	343.90	3933.48	-28.17	-14.59	-27.52	5.87	7789	2861	639	4723	
3966	8.50	337.80	3965.21	-24.22	-15.99	-23.50	6.44	7785	2865	638	4724	
3997	10.20	334.70	3995.79	-19.61	-18.03	-18.81	5.72	7781	2870	636	4726	
4028	12.10	338.00	4026.21	-14.12	-20.42	-13.22	6.46	7775	2875	634	4728	
4060	14.80	347.30	4057.33	-7.02	-22.58	-6.04	10.79	7768	2883	632	4731	
4091	16.80	353.60	4087.16	1.30	-23.95	2.33	8.49	7760	2891	630	4732	
4123	17.90	355.90	4117.70	10.80	-24.82	11.86	4.05	7750	2900	629	4733	
4154	19.00	354.30	4147.11	20.57	-25.66	21.66	3.91	7741	2910	629	4733	
4186	20.30	352.90	4177.25	31.26	-26.86	32.40	4.32	7730	2921	628	4735	
4218	21.60	351.60	4207.13	42.60	-28.41	43.79	4.31	7719	2932	626	4736	
4250	23.40	350.20	4236.69	54.69	-30.35	55.95	5.87	7707	2944	624	4738	
4281	25.90	350.50	4264.87	67.43	-32.52	68.78	8.07	7694	2957	622	4740	
4312	28.90	350.30	4292.39	81.50	-34.90	82.93	9.68	7680	2971	620	4742	
4344	30.70	349.20	4320.15	97.15	-37.73	98.69	5.88	7664	2987	618	4745	
4376	32.50	349.50	4347.41	113.62	-40.83	115.29	5.65	7648	3003	615	4748	
4407	34.30	349.50	4373.29	130.40	-43.94	132.18	5.81	7631	3020	612	4751	
4439	35.80	348.70	4399.48	148.45	-47.41	150.36	4.90	7613	3038	608	4755	
4471	37.30	347.30	4425.19	167.08	-51.38	169.15	5.36	7594	3057	605	4759	
4503	39.00	345.90	4450.35	186.31	-55.96	188.56	5.96	7575	3076	600	4763	
4534	40.90	346.50	4474.12	205.64	-60.71	208.08	6.25	7556	3096	596	4768	
4567	42.10	348.00	4498.83	226.97	-65.53	229.59	4.72	7534	3117	591	4772	
4599	44.30	348.30	4522.16	248.40	-70.03	251.21	6.90	7513	3139	587	4777	
4631	46.50	347.30	4544.63	270.67	-74.85	273.66	7.23	7490	3161	582	4782	
Top of Tangent @ 4,675'	4662	48.90	346.20	4565.49	292.99	-80.11	296.18	8.17	7468	3183	577	4787
	4757	48.20	343.40	4628.38	361.69	-98.76	365.63	2.33	7399	3252	560	4805
	4789	47.10	342.50	4649.94	384.30	-105.70	388.52	4.02	7377	3275	553	4812
Btm of Tangent @ 4,839'	4820	46.20	342.10	4671.22	405.78	-112.55	410.27	3.05	7355	3296	546	4819
	4852	47.10	342.90	4693.18	427.97	-119.54	432.75	3.35	7333	3319	540	4825
	4884	50.40	343.50	4714.28	451.00	-126.49	456.06	10.41	7310	3342	533	4832
	4915	54.00	344.50	4733.28	474.54	-133.24	479.87	11.89	7286	3366	526	4839
	4947	57.40	345.30	4751.31	500.06	-140.12	505.66	10.82	7261	3391	520	4846
	4979	61.70	346.20	4767.52	526.79	-146.91	532.66	13.65	7234	3418	513	4852
	5010	65.80	346.90	4781.23	553.83	-153.37	559.95	13.38	7207	3445	507	4859
	5042	69.50	347.90	4793.40	582.71	-159.82	589.08	11.92	7178	3474	501	4865
	5074	72.20	349.40	4803.89	612.34	-165.76	618.95	9.53	7148	3504	495	4871
	5106	75.50	350.70	4812.79	642.61	-171.07	649.42	11.03	7118	3534	490	4876
	5138	78.50	352.30	4819.99	673.44	-175.68	680.43	10.56	7087	3565	486	4880
	5168	81.30	352.50	4825.25	702.72	-179.58	709.84	9.36	7058	3594	483	4884
	5200	83.00	354.30	4829.62	734.20	-183.23	741.46	7.70	7027	3626	479	4888
	5232	85.70	356.00	4832.77	765.93	-185.92	773.27	9.96	6995	3658	477	4890
	5264	89.00	357.10	4834.25	797.83	-187.84	805.23	10.87	6963	3689	475	4892
	5280	89.90	357.10	4834.41	813.81	-188.65	821.22	5.63	6947	3705	475	4893
	5441	90.00	356.00	4834.55	974.52	-198.34	982.20	0.69	6786	3866	467	4902
	5533	91.30	357.80	4833.50	1066.37	-203.31	1074.18	2.41	6694	3958	463	4906
	5624	91.40	0.40	4831.36	1157.33	-204.74	1165.11	2.86	6603	4049	463	4907
	5717	90.70	359.00	4829.65	1250.31	-205.23	1258.03	1.68	6510	4142	463	4907
	5810	91.30	359.30	4828.03	1343.28	-206.61	1350.98	0.72	6417	4235	463	4908
	5903	91.80	360.00	4825.52	1436.25	-207.18	1443.88	0.92	6324	4328	463	4908
	5997	91.00	359.50	4823.22	1530.22	-207.59	1537.78	1.00	6230	4422	464	4908
	6091	90.60	358.70	4821.91	1624.20	-209.06	1631.73	0.95	6136	4516	464	4909
	6182	90.30	358.60	4821.19	1715.17	-211.21	1722.71	0.35	6046	4607	463	4911
	6277	90.60	0.70	4820.45	1810.16	-211.79	1817.63	2.23	5951	4702	463	4911
	6372	90.80	0.50	4819.29	1905.14	-210.79	1912.49	0.30	5856	4797	465	4910
	6467	90.80	0.50	4817.96	2000.13	-209.96	2007.35	0.00	5761	4892	467	4909
	6563	91.30	0.50	4816.20	2096.11	-209.12	2103.20	0.52	5665	4988	469	4907
	6658	90.40	359.90	4814.79	2191.10	-208.79	2198.09	1.14	5570	5083	470	4907
	6754	90.20	360.00	4814.29	2287.10	-208.88	2294.00	0.23	5474	5179	471	4906
	6848	89.60	359.10	4814.45	2381.09	-209.61	2387.94	1.15	5380	5273	472	4907

Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)					
								FNL	FSL	FWL	FEL	
6943	90.20	359.60	4814.62	2476.09	-210.69	2482.89	0.82	5285	5368	472	4907	
7038	90.00	359.00	4814.45	2571.08	-211.85	2577.84	0.67	5190	5463	472	4908	
7134	90.50	359.30	4814.03	2667.07	-213.28	2673.80	0.61	5094	5559	471	4909	
7228	91.90	0.60	4812.06	2761.04	-213.36	2767.69	2.03	5000	5653	472	4909	
7323	92.20	0.70	4808.67	2855.97	-212.28	2862.49	0.33	4905	5748	475	4907	
7444	91.50	1.20	4804.76	2976.89	-210.28	2983.21	0.71	4784	5869	478	4904	
7540	91.00	1.10	4802.67	3072.85	-208.35	3078.99	0.53	4688	5965	481	4902	
7634	90.60	1.20	4801.35	3166.82	-206.46	3172.80	0.44	4594	6059	484	4900	
7730	90.80	1.30	4800.18	3262.79	-204.37	3268.58	0.23	4498	6155	487	4897	
7825	90.00	1.10	4799.52	3357.77	-202.38	3363.38	0.87	4403	6250	490	4895	
7920	90.00	1.30	4799.52	3452.75	-200.39	3458.19	0.21	4308	6345	493	4892	
8015	89.40	359.60	4800.01	3547.74	-199.65	3553.06	1.90	4213	6440	495	4891	
8110	90.10	359.60	4800.43	3642.74	-200.31	3647.99	0.74	4118	6535	496	4891	
8205	89.90	359.70	4800.43	3737.73	-200.89	3742.93	0.24	4023	6630	496	4892	
8300	91.80	359.60	4799.02	3832.72	-201.47	3837.85	2.00	3928	6725	497	4892	
8396	92.30	359.10	4795.59	3928.65	-202.56	3933.74	0.74	3832	6820	497	4892	
8491	92.80	358.80	4791.36	4023.54	-204.30	4028.61	0.61	3737	6915	496	4894	
8586	93.30	358.70	4786.30	4118.38	-206.37	4123.46	0.54	3642	7010	495	4895	
8681	91.50	358.40	4782.33	4213.26	-208.77	4218.35	1.92	3547	7105	494	4897	
8776	90.70	358.60	4780.50	4308.21	-211.25	4313.32	0.87	3452	7200	492	4899	
8871	90.70	358.30	4779.34	4403.17	-213.82	4408.30	0.32	3357	7295	491	4901	
8966	91.50	358.30	4777.52	4498.11	-216.64	4503.27	0.84	3263	7390	489	4904	
9061	91.50	358.00	4775.03	4593.03	-219.71	4598.23	0.32	3168	7485	487	4906	
9156	91.40	357.50	4772.63	4687.92	-223.44	4693.20	0.54	3073	7580	484	4910	
TD	9216	91.30	357.70	4771.21	4747.86	-225.95	4753.19	0.37	3013	7640	483	4912



<p>SANDRIDGE THE POWER OF US™</p> <p>● Actual BH Location</p> <p>* SandRidge Wells</p> <p>--- Perf</p> <p>□ Sections</p>	<p>Actual Bottom-Hole Location of Circle 3410 1-35H Barber County, Kansas T&R: 34S 10W Section: 26, 325' FWL & 2315' FSL Long/Lat: -98.383169 37.056851</p> <p>1 in = 655 ft</p>		
	<p>Draftsman: Aaron Birk</p>	<p>Draft Date: 3/25/2013</p>	
	<p>Drawing Name/Number: Addendum_Circle_1-35H.mxd</p>		
<p>Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502</p>			



* 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%

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 04/01/013 11:51 am	Well no longer shut it- 1st production 3/17/2013
Tiffany Golay 03/12/013 10:52 am	Conductor weight= 106.5 lbs/ft
Tiffany Golay 03/12/013 10:37 am	Well Shut In- waiting on SWD pipelines