



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1073092
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: _____

1073092

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> <i>(Submit ACO-4)</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	PTL 1-15H
Doc ID	1073092

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	11984-11986; 11899-11901; 11813-11815; 11728-11730; 11643-11645	4416 bbls Slickwtr, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 4452 TLTR	
5	11216-11560	4176 bbls Slickwtr, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 22326 TLTR	
5	10790-11133	4210 bbls Slickwtr, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 13394 TLTR	
5	10363-10707	4204 bbls Slickwtr, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 17845 TLTR	
5	9937-10280	4259 bbls Slickwtr, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 22326 TLTR	
5	9511-9854	4187 bbls Slickwtr, 36 bbls 15% NeFe HCl, 75< lbs 40/70 sd, 26725 TLTR	
5	9084-9427	4196 bbls Slickwtr. 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 31109 TLTR	
5	8658-9001	4174 bbls Slickwtr, 36 bbls 15% NeFe HCl, 75M bbls 40/70 sd, 35425 TLTR	

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Doc ID	1073092

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8231-8574	4215 bbls Slickwtr, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 39805 TLTR	
5	7805-8148	4163 bbls Slickwtr, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 44108 TLTR	
5	7378-7721	4266 bbls Slickwtr, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 48496 TLTR	
5	6952-7295	4060 bbls Slickwtr, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 52843 TLTR	
5	6525-6869	4039 bbls Slickwtr, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 56948 TLTR	
5	6099-6442	4279 bbls Slickwtr, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 61321 TLTR	
5	5672-6016	4314 bbls Slickwtr, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 65731 TLTR	
5	5246-5589	4176 bbls Slickwtr, 36 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 69981 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	PTL 1-15H
Doc ID	1073092

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	90	Mid-Continent grout	12	none
Surface	12.25	9.63	36	880	O-Tex Lite Standard/Standard	730	2% Calcium Chloride, 1/4 lb/sk Cellflake, .5% C-41P
Intermediate	8.75	7	29	5523	50/50 Poz Premium	210	.4% C-12, .1% C-37, .5% C-41P, 2 lb/sk Phenoseal
Liner	6.13	4.5	11.6	9999	50/50 Premium Poz	710	(4% Gel) .4% C12, .1% C37, .5% C-41P, 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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

February 28, 2012

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

Re: ACO1
API 15-033-21613-01-00
PTL 1-15H
NE/4 Sec.15-31S-20W
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 15-T31S-R20W - GRID

PTL 1-15H

Wellbore #1

Survey: MWD Surveys

Standard Survey Report

01 February, 2012

Wolverine Directional, LLC

Survey Report

Company: SandRidge Energy	Local Co-ordinate Reference: Well PTL 1-15H
Project: Comanche County (KS27S)	TVD Reference: WELL @ 0.0ft (Original Well Elev)
Site: Sec 15-T31S-R20W - GRID	MD Reference: WELL @ 0.0ft (Original Well Elev)
Well: PTL 1-15H	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	181.17	

Survey Program	Date	2012/02/01			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
952.0	12,075.0	MWD Surveys (Wellbore #1)	MWD	MWD - Standard	

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	
952.0	0.30	297.30	952.0	1.1	-2.2	-1.1	0.03	0.03	0.00	
First MWD Survey										
1,139.0	0.40	248.40	1,139.0	1.1	-3.3	-1.1	0.16	0.05	-26.15	
1,520.0	0.80	172.70	1,520.0	-2.0	-4.2	2.1	0.21	0.10	-19.87	
1,996.0	0.40	161.90	1,995.9	-6.9	-3.2	6.9	0.09	-0.08	-2.27	
2,472.0	0.50	177.10	2,471.9	-10.5	-2.6	10.6	0.03	0.02	3.19	
2,948.0	0.30	152.80	2,947.9	-13.7	-1.9	13.7	0.05	-0.04	-5.11	
3,424.0	0.70	151.10	3,423.9	-17.4	0.1	17.4	0.08	0.08	-0.36	
3,901.0	0.80	141.90	3,900.9	-22.5	3.5	22.5	0.03	0.02	-1.93	
3,996.0	0.70	145.40	3,995.9	-23.5	4.3	23.4	0.12	-0.11	3.68	
4,091.0	0.50	159.20	4,090.8	-24.4	4.7	24.3	0.26	-0.21	14.53	
4,155.0	0.40	146.00	4,154.8	-24.8	5.0	24.7	0.22	-0.16	-20.63	
4,186.0	0.40	151.10	4,185.8	-25.0	5.1	24.9	0.11	0.00	16.45	
4,218.0	1.90	172.40	4,217.8	-25.7	5.2	25.5	4.79	4.69	66.56	
4,250.0	4.20	182.60	4,249.8	-27.4	5.2	27.2	7.36	7.19	31.88	
4,282.0	6.10	185.80	4,281.7	-30.2	5.0	30.1	6.00	5.94	10.00	
4,313.0	8.20	183.70	4,312.4	-34.1	4.7	34.0	6.83	6.77	-6.77	
4,345.0	10.70	181.60	4,344.0	-39.3	4.4	39.2	7.89	7.81	-6.56	
4,375.0	13.40	180.90	4,373.3	-45.6	4.3	45.5	9.01	9.00	-2.33	
4,407.0	16.10	180.70	4,404.3	-53.7	4.2	53.6	8.44	8.44	-0.63	
4,439.0	18.10	180.80	4,434.8	-63.1	4.1	63.0	6.25	6.25	0.31	
4,471.0	20.00	181.00	4,465.1	-73.6	3.9	73.5	5.94	5.94	0.63	
4,502.0	22.20	181.80	4,494.0	-84.7	3.6	84.6	7.16	7.10	2.58	
4,534.0	24.20	182.00	4,523.4	-97.3	3.2	97.2	6.25	6.25	0.63	
4,566.0	26.10	182.90	4,552.4	-110.9	2.6	110.8	6.06	5.94	2.81	
4,598.0	27.90	182.90	4,580.9	-125.4	1.9	125.3	5.63	5.63	0.00	
4,630.0	30.00	182.80	4,608.9	-140.9	1.1	140.8	6.56	6.56	-0.31	
4,661.0	32.00	182.70	4,635.5	-156.8	0.4	156.8	6.45	6.45	-0.32	
4,693.0	34.50	182.10	4,662.2	-174.4	-0.4	174.3	7.88	7.81	-1.88	
4,725.0	36.20	181.40	4,688.3	-192.9	-0.9	192.8	5.46	5.31	-2.19	
4,757.0	37.80	181.50	4,713.9	-212.1	-1.4	212.1	5.00	5.00	0.31	
4,789.0	40.00	181.70	4,738.8	-232.2	-2.0	232.2	6.89	6.88	0.63	
4,820.0	41.70	181.30	4,762.2	-252.5	-2.5	252.5	5.55	5.48	-1.29	
4,852.0	44.10	181.20	4,785.7	-274.2	-3.0	274.3	7.50	7.50	-0.31	
4,884.0	45.80	182.00	4,808.3	-296.8	-3.6	296.9	5.60	5.31	2.50	
4,915.0	48.00	181.30	4,829.5	-319.5	-4.3	319.5	7.29	7.10	-2.26	
4,947.0	50.80	180.70	4,850.3	-343.8	-4.7	343.8	8.87	8.75	-1.88	
4,979.0	51.00	180.70	4,870.5	-368.6	-5.0	368.6	0.63	0.63	0.00	

Wolverine Directional, LLC

Survey Report

Company:	SandRidge Energy	Local Co-ordinate Reference:	Well PTL 1-15H
Project:	Comanche County (KS27S)	TVD Reference:	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 15-T31S-R20W - GRID	MD Reference:	WELL @ 0.0ft (Original Well Elev)
Well:	PTL 1-15H	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)
5,011.0	50.30	180.90	4,890.8	-393.3	-5.3	393.4	2.24	-2.19	0.63
5,042.0	50.20	180.90	4,910.6	-417.2	-5.7	417.2	0.32	-0.32	0.00
5,074.0	49.70	180.60	4,931.2	-441.7	-6.0	441.7	1.72	-1.56	-0.94
5,106.0	49.10	180.20	4,952.0	-466.0	-6.2	466.0	2.10	-1.88	-1.25
5,138.0	50.60	180.00	4,972.7	-490.4	-6.2	490.4	4.71	4.69	-0.63
5,169.0	53.30	179.70	4,991.8	-514.8	-6.2	514.8	8.74	8.71	-0.97
5,201.0	56.70	180.40	5,010.1	-541.0	-6.2	541.0	10.77	10.63	2.19
5,233.0	59.70	181.50	5,027.0	-568.2	-6.7	568.2	9.82	9.38	3.44
5,265.0	63.20	181.90	5,042.3	-596.3	-7.5	596.3	10.99	10.94	1.25
5,296.0	65.80	181.40	5,055.6	-624.3	-8.3	624.3	8.51	8.39	-1.61
5,328.0	68.80	180.80	5,068.0	-653.8	-8.9	653.8	9.53	9.38	-1.88
5,360.0	71.80	180.60	5,078.8	-683.9	-9.2	684.0	9.39	9.38	-0.63
5,392.0	75.60	180.50	5,087.7	-714.6	-9.5	714.7	11.88	11.88	-0.31
5,424.0	79.20	180.50	5,094.7	-745.8	-9.8	745.9	11.25	11.25	0.00
5,456.0	82.10	181.10	5,099.9	-777.4	-10.2	777.5	9.25	9.06	1.88
5,476.0	84.30	181.10	5,102.3	-797.3	-10.6	797.3	11.00	11.00	0.00
5,554.0	87.80	182.30	5,107.6	-875.0	-12.9	875.1	4.74	4.49	1.54
5,586.0	87.90	182.10	5,108.9	-907.0	-14.2	907.1	0.70	0.31	-0.63
5,618.0	88.80	182.10	5,109.8	-938.9	-15.3	939.1	2.81	2.81	0.00
5,650.0	89.90	182.40	5,110.1	-970.9	-16.6	971.1	3.56	3.44	0.94
5,745.0	90.10	182.50	5,110.1	-1,065.8	-20.7	1,066.0	0.24	0.21	0.11
5,841.0	90.10	182.60	5,110.0	-1,161.7	-24.9	1,162.0	0.10	0.00	0.10
5,937.0	89.80	181.90	5,110.1	-1,257.7	-28.7	1,258.0	0.79	-0.31	-0.73
6,032.0	89.60	181.60	5,110.5	-1,352.6	-31.6	1,353.0	0.38	-0.21	-0.32
6,128.0	88.70	180.60	5,112.0	-1,448.6	-33.4	1,449.0	1.40	-0.94	-1.04
6,223.0	90.10	180.40	5,113.0	-1,543.6	-34.3	1,544.0	1.49	1.47	-0.21
6,319.0	90.10	180.40	5,112.8	-1,639.6	-34.9	1,639.9	0.00	0.00	0.00
6,415.0	89.80	179.80	5,112.9	-1,735.6	-35.1	1,735.9	0.70	-0.31	-0.63
6,510.0	89.50	179.00	5,113.5	-1,830.6	-34.1	1,830.9	0.90	-0.32	-0.84
6,606.0	89.40	178.90	5,114.4	-1,926.5	-32.3	1,926.8	0.15	-0.10	-0.10
6,701.0	90.20	179.70	5,114.7	-2,021.5	-31.2	2,021.8	1.19	0.84	0.84
6,796.0	90.40	179.70	5,114.2	-2,116.5	-30.7	2,116.7	0.21	0.21	0.00
6,892.0	90.30	179.40	5,113.6	-2,212.5	-29.9	2,212.7	0.33	-0.10	-0.31
6,988.0	90.00	178.90	5,113.4	-2,308.5	-28.5	2,308.6	0.61	-0.31	-0.52
7,083.0	90.70	178.50	5,112.8	-2,403.5	-26.4	2,403.5	0.85	0.74	-0.42
7,179.0	90.20	177.90	5,112.0	-2,499.4	-23.3	2,499.4	0.81	-0.52	-0.63
7,275.0	90.20	179.20	5,111.7	-2,595.4	-20.9	2,595.3	1.35	0.00	1.35
7,370.0	90.60	180.30	5,111.0	-2,690.4	-20.5	2,690.3	1.23	0.42	1.16
7,466.0	89.40	181.30	5,111.0	-2,786.4	-21.8	2,786.3	1.63	-1.25	1.04
7,561.0	89.40	180.70	5,112.0	-2,881.4	-23.5	2,881.2	0.63	0.00	-0.63
7,657.0	89.00	181.10	5,113.4	-2,977.3	-25.0	2,977.2	0.59	-0.42	0.42
7,753.0	89.10	181.20	5,115.0	-3,073.3	-26.9	3,073.2	0.15	0.10	0.10
7,848.0	88.90	180.90	5,116.6	-3,168.3	-28.7	3,168.2	0.38	-0.21	-0.32
7,944.0	89.30	180.70	5,118.1	-3,264.3	-30.0	3,264.2	0.47	0.42	-0.21
8,040.0	89.90	181.70	5,118.8	-3,360.2	-32.0	3,360.2	1.21	0.63	1.04
8,159.0	90.20	180.70	5,118.7	-3,479.2	-34.5	3,479.2	0.88	0.25	-0.84
8,254.0	91.80	181.50	5,117.1	-3,574.2	-36.3	3,574.2	1.88	1.68	0.84
8,350.0	92.80	181.90	5,113.2	-3,670.1	-39.2	3,670.1	1.12	1.04	0.42
8,446.0	91.80	181.90	5,109.3	-3,765.9	-42.4	3,766.0	1.04	-1.04	0.00
8,541.0	91.30	181.40	5,106.8	-3,860.8	-45.1	3,861.0	0.74	-0.53	-0.53
8,637.0	90.90	181.40	5,104.9	-3,956.8	-47.4	3,956.9	0.42	-0.42	0.00
8,733.0	90.60	182.80	5,103.7	-4,052.7	-51.0	4,052.9	1.49	-0.31	1.46
8,829.0	89.10	183.40	5,103.9	-4,148.6	-56.2	4,148.9	1.68	-1.56	0.63
8,925.0	89.40	183.80	5,105.2	-4,244.4	-62.2	4,244.8	0.52	0.31	0.42

Wolverine Directional, LLC

Survey Report

Company:	SandRidge Energy	Local Co-ordinate Reference:	Well PTL 1-15H
Project:	Comanche County (KS27S)	TVD Reference:	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 15-T31S-R20W - GRID	MD Reference:	WELL @ 0.0ft (Original Well Elev)
Well:	PTL 1-15H	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)
9,020.0	87.00	182.80	5,108.2	-4,339.2	-67.6	4,339.6	2.74	-2.53	-1.05
9,116.0	87.30	182.10	5,112.9	-4,435.0	-71.7	4,435.5	0.79	0.31	-0.73
9,212.0	88.00	182.30	5,116.9	-4,530.8	-75.4	4,531.4	0.76	0.73	0.21
9,308.0	88.60	181.90	5,119.7	-4,626.7	-78.9	4,627.4	0.75	0.63	-0.42
9,404.0	88.80	182.20	5,121.9	-4,722.6	-82.4	4,723.3	0.38	0.21	0.31
9,499.0	89.30	181.80	5,123.5	-4,817.5	-85.7	4,818.3	0.67	0.53	-0.42
9,595.0	88.90	181.20	5,125.0	-4,913.5	-88.2	4,914.3	0.75	-0.42	-0.63
9,691.0	90.00	180.00	5,125.9	-5,009.5	-89.2	5,010.3	1.70	1.15	-1.25
9,786.0	90.00	179.90	5,125.9	-5,104.5	-89.1	5,105.2	0.11	0.00	-0.11
9,882.0	91.20	179.50	5,124.9	-5,200.5	-88.6	5,201.2	1.32	1.25	-0.42
9,978.0	91.40	180.00	5,122.7	-5,296.5	-88.2	5,297.1	0.56	0.21	0.52
10,073.0	91.60	180.70	5,120.2	-5,391.4	-88.8	5,392.1	0.77	0.21	0.74
10,169.0	90.30	181.40	5,118.6	-5,487.4	-90.5	5,488.1	1.54	-1.35	0.73
10,265.0	87.30	181.60	5,120.7	-5,583.3	-93.1	5,584.1	3.13	-3.13	0.21
10,360.0	88.40	180.60	5,124.2	-5,678.2	-94.9	5,679.0	1.56	1.16	-1.05
10,456.0	89.60	181.80	5,125.9	-5,774.2	-96.9	5,775.0	1.77	1.25	1.25
10,550.0	90.40	181.80	5,125.9	-5,868.1	-99.8	5,869.0	0.85	0.85	0.00
10,645.0	91.60	181.10	5,124.2	-5,963.1	-102.2	5,963.9	1.46	1.26	-0.74
10,741.0	92.70	181.10	5,120.6	-6,059.0	-104.1	6,059.9	1.15	1.15	0.00
10,836.0	92.00	180.60	5,116.7	-6,153.9	-105.5	6,154.8	0.91	-0.74	-0.53
10,931.0	90.90	181.50	5,114.3	-6,248.9	-107.2	6,249.8	1.50	-1.16	0.95
11,027.0	90.00	182.60	5,113.6	-6,344.8	-110.7	6,345.7	1.48	-0.94	1.15
11,123.0	90.20	181.90	5,113.4	-6,440.7	-114.4	6,441.7	0.76	0.21	-0.73
11,218.0	88.70	181.40	5,114.3	-6,535.7	-117.2	6,536.7	1.66	-1.58	-0.53
11,314.0	89.10	182.00	5,116.2	-6,631.6	-120.0	6,632.7	0.75	0.42	0.63
11,410.0	90.00	181.30	5,116.9	-6,727.6	-122.8	6,728.7	1.19	0.94	-0.73
11,506.0	91.50	181.70	5,115.7	-6,823.5	-125.3	6,824.7	1.62	1.56	0.42
11,603.0	92.30	182.20	5,112.5	-6,920.4	-128.6	6,921.6	0.97	0.82	0.52
11,699.0	89.70	183.40	5,110.8	-7,016.3	-133.3	7,017.5	2.98	-2.71	1.25
11,795.0	88.80	181.90	5,112.0	-7,112.2	-137.7	7,113.5	1.82	-0.94	-1.56
11,891.0	90.80	186.00	5,112.4	-7,207.9	-144.3	7,209.4	4.75	2.08	4.27
11,988.0	90.70	186.00	5,111.1	-7,304.4	-154.5	7,306.0	0.10	-0.10	0.00
12,026.0	90.70	185.50	5,110.6	-7,342.2	-158.3	7,343.9	1.32	0.00	-1.32
Last MWD Survey									
12,074.8	90.70	185.50	5,110.0	-7,390.8	-163.0	7,392.6	0.00	0.00	0.00
PTL 1-15H PBHL									
12,075.0	90.70	185.50	5,110.0	-7,391.0	-163.0	7,392.7	0.00	0.00	0.00
Proj to TD									

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
952.0	952.0	1.1	-2.2	First MWD Survey
12,026.0	5,110.6	-7,342.2	-158.3	Last MWD Survey
12,075.0	5,110.0	-7,391.0	-163.0	Proj to TD

Checked By: _____ Approved By: _____ Date: _____

American Measurement Services

A Limited Liability Company

Ames, Oklahoma

Station Number: KS03R0020
Producer: SANDRIDGE ENERGY
Lease: PTL 1-15H
Sample Pressure: 92.0
Sample Temperature: 75.0
Cylinder Number: 295
Analysis By: AMS
Date Sampled: 3/6/2012
Analysis Run Date: 3/7/2012

Gas Components	Mole Percent	GPM
Methane	79.431	
Ethane	4.666	1.2403
Propane	2.035	0.5573
IButane	0.337	0.1098
NButane	0.655	0.2053
IPentan	0.206	0.0748
NPentan	0.194	0.0700
C6 +	0.373	0.1619
Nitrogen	11.586	
CO2	0.516	
	100.00%	2.4194

BTU @ 14.65 @ 60 F - Real

Dry 1002.8
Wet 985.2

Gasoline Content

Propane And Heavier 1.1791
Butane And Heavier 0.6218
Pentane And Heavier 0.3067

Specific Gravity - Real 0.6826
Z = 0.9976

H2S Field Test: 0 PPM

Field Remarks:

Analysis Based Upon GPA 2145, 2172, And 2261

Mid-Continent Conductor, LLC

P.O. Box 1570
Woodward, OK 73802

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

Invoice

Date	Invoice #
1/3/2012	1184

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	Net 60	1/3/2012	PTL 1-15H, Comanche Cnty, KS	Lariat 38

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 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	12	Furnished 12 yards of grout and trucking to location	
Grout Pump	1	Furnished grout pump	
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	
		Subtotal	\$22,840.00
		Sales Tax (0.0%)	\$0.00
		Total	\$22,840.00

JOB SUMMARY			PROJECT NUMBER 0	TICKET DATE 01/13/12
COUNTY Comanche	State Kansas	COMPANY Sandridge Exp and Production	CUSTOMER REP Roger Barber	
LEASE NAME PTL	Well No. 1-15H	JOB TYPE Surface	EMPLOYEE NAME Larry Kirchner Jr.	

EMP NAME Larry Kirchner Jr.	Robert Stonehocker				
Emmit Brock					
David Thomas					
Arthur Setzer					

Form. Name _____ Type: _____
 Packer Type _____ Set At **0**
 Bottom Hole Temp. **80** Pressure _____
 Retainer Depth _____ Total Depth **900**

Date	Called Out	On Location	Job Started	Job Completed
	1/11/2012	1/12/2012	1/12/2012	1/13/2012
Time	10:00PM	4:30AM	3:54PM	8:30AM

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	New	36.6	9 5/8		Surface	880
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4		Surface	880
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials		
	Density	Lb/Gal
Mud Type		
Disp. Fluid		
Spacer type	BBL.	
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

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
1/12	19.5	1/12	2.0	Surface
1/13	8.5	1/13	2.0	
Total	28.0	Total	4.0	

Perfpac Balls _____ Qty. _____
 Other _____
 Other _____
 Other _____
 Other _____

Pressures	
MAX	1,500
AVG	100
Average Rates in BPM	
MAX	8
AVG	5
Cement Left in Pipe	
Feet	44
Reason Shoe Joint	

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	390	O-Tex Lite Standard	(6%Gel) 2% Calcium Chloride - 1/4 lb/sk Cellflake - 0.5% C-41P	10.88	1.84	12.70
2	180	Standard	2% Calcium Chloride - 1/4 lb/sk Celloflake	5.20	1.18	15.60
3	160	Standard	2% Calcium Chloride on the side	5.20	1.18	15.60

Summary			
Preflush	_____	Type: _____	Preflush: BBI 10.00 Type: Fresh Water
Breakdown	_____	MAXIMUM _____	Load & Bkdn: Gal - BBI N/A Pad:Bbl -Gal N/A
	_____	Lost Returns-N _____	Excess /Return BBI 0 Calc. Disp Bbl 65
	_____	Actual TOC _____	Calc. TOC: Surface Actual Disp. 61.00
Average	_____	Frac. Gradient _____	Treatment: Gal - BBI N/A Disp:Bbl _____
(SP) _____	5 Min. _____	10 Min. _____	Cement Slurry: BBI 200.0
			15 Min. _____
			Total Volume BBI 271.00

CUSTOMER REPRESENTATIVE _____

 SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK1148	TICKET DATE 01/19/12
COUNTY Commanche	State Kansas	COMPANY Sandridge Exp and Prod	CUSTOMER REP Felix Ortiz Jr.	
LEASE NAME PTL	Well No. 1-15H	JOB TYPE Intermediate	EMPLOYEE NAME Matt Wilson	

EMP NAME					
Matt Wilson					
David Settlemier					
David Thomas					
Jayson Pierce					

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **0** Pressure _____

Retainer Depth _____ Total Depth **0**

	Called Out	On Location	Job Started	Job Completed
Date	1/19/2012	1/19/2012	1/19/2012	1/19/2012
Time	04:00	08:00	11:14 am	1:30 pm

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							
	Now/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		26.0	7		Surface		5,000
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			8 3/4"		Surface	0	Shots/Ft.
Perforations							
Perforations							
Perforations							

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

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
1/19	4.0	1/19	4.0	Intermediate
Total	4.0	Total	4.0	

Pressures		
MAX	5,000 PSI	AVG. 200
Average Rates in BPM		
MAX	10 BPM	AVG 4
Cement Left in Pipe		
Feet	35	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	210	50/60 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	0	0		0	0.00	0.00
3	0	0		0	0.00	0.00

Summary					
Preflush	10	Type: CAUSTIC	Preflush: BBI	10.00	Type: FRESH WATER
Breakdown		MAXIMUM	Load & Bkdn: Gal - BBI	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	Excess /Return BBI	N/A	Calc.Disp Bbl 202
		Actual TOC	Calc. TOC:	3.810	Actual Disp. 202.00
Average		Bump Plug PSI:	Final Circ. PSI:	630	Disp:Bbl
5 Min.	10 Min.	15 Min.	Cement Slurry: BBI	63.0	
			Total Volume BBI	265.00	

CUSTOMER REPRESENTATIVE _____ *Felix Ortiz Jr.* SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK1185	TICKET DATE 02/02/12
COUNTY Commanche	State Kansas	COMPANY Landridge Exp and Productio	CUSTOMER REP Roger	
LEASE NAME PTL	Well No. 1-15	JOB TYPE Liner	EMPLOYEE NAME Louis Arney	

EMP NAME							
Louis Arney							
Jason Jones							
Michael Bajo							
Emmit Brock							

Form. Name _____ Type: _____

Packer Type _____ Set At **5,523'**

Bottom Hole Temp. **155** Pressure _____

Retainer Depth _____ Total Depth **12,075'**

Date	Called Out 2/2/2012	On Location 2/2/2012	Job Started 2/2/2012	Job Completed 2/2/2012
Time	04:30	10:30	15:50	18:46

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		5,148'	12,075'	3,500
Liner Tool					5,122'	5,148'	3,500
Drill Collars					4,199	5,122'	3,500
Drill Pipe			3 1/2"		Surface	4,199.27'	3,500
Open Hole			6 1/8"		Surface	12,075'	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 Water BBL.		20 8.33
Spacer type	Caustic BBL.		10 8.40
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

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
2/2	9.0	2/2	3.0	Liner
Total	9.0	Total	3.0	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Pressures			
MAX	3,500 PSI	AVG.	1100
Average Rates in BPM			
MAX	6 BPM	AVG	3
Cement Left in Pipe			
Feet	79	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	710	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		0.00	0.00	0.00
3	0	0		0.00	0.00	0.00

Summary								
Preflush	10-	Type:	Caustic	Preflush:	BBI	20.00	Type:	Fresh Water
Breakdown		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	
		Actual TOC	4,604'	Calc. TOC:		4,604'	Actual Disp.	128.00
Average		Bump Plus PSI:	2,360	Final Circ.	PSI:	1,700	Disp:Bbl	142.00
15IP	5 Min.	10 Min	15 Min	Cement Slurry:	BBI	182.1		
				Total Volume	BBI	328.10		

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

Section 10
31S 20W

Section 11
31S 20W

PTL 1-15H



Miss Entry: 5226'
-99.474239 37.350315

Top Perf: 5246'
-99.474240 37.350268

Section 15
31S 20W

Section 14
31S 20W

Section 22
31S 20W

Section 23
31S 20W

2303' FNL

Bottom Perf: 11984'
-99.473445 37.331815

BHL: 12075'
-99.473411 37.331567

424' FEL



Actual BH Location
Lat/Long

SandRidge Wells

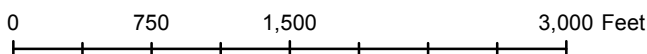
Actual Bottom-Hole Location of PTL 1-15H
Comanche County, Kansas
T&R: 31S 20W
Section: 22, 424' FEL & 2303' FNL
Long/Lat: -99.473411 37.331567

1 in = 1,042 ft



Perf

Sections



Draftsman:

Aaron Birk

Draft Date: 4/17/2012

Drawing Name/Number:

Addendum_PTL_1-15H.mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502

Logo

Attachment successfully uploaded.

Back to Well Completion

PTL 1-15H (1073092)

Actions	Attachments	
View PDF	Two Year Confidentiality OPERATOR	View PDF Delete
Delete	Directional Survey OPERATOR	View PDF Delete
Edit	Gas Analysis OPERATOR	View PDF Delete
Certify & Submit	Cement Records OPERATOR	View PDF Delete
Request Confidentiality	As Drilled Plat OPERATOR	View PDF Delete
		<input type="button" value="Add Attachment"/>

Remarks
Remarks to KCC
<input type="button" value="Add Remark"/>

Remarks
Tiffany Golay 03/14/012 10:42 am Cement Records: Conductor cemented with 12 yards of grout. Conductor casing weight = 94 lb/ft. Liner depth= 12075
Tiffany Golay 03/08/012 02:32 pm Fluid Mgmt: 9240bbls hauled to soil farm in Oklahoma. 420 additional bbls hauled to disposal by S&B Trucking to Lipscomb County, TX.
Tiffany Golay 02/28/012 09:51 am TMD: 12,040'