



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1072315
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: _____

1072315

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	VC 1-23H
Doc ID	1072315

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	9804-9807; 9666-9669; 9528-9531	4555 bbls Slickwater, 30 bbls 15% NeFe HCl, 78M lbs 40/70 sd, 4585 TLTR	
6	9390-9393; 9252-9255; 9114-9117	5691 bbls Slickwtr, 29 bbls 15% NeFe HCl, 75M lbs 40/70 sd, 10530 TLTR	
6	8976-8979; 8838-8841; 8701-8704	4771 bbls Slickstr, 29 bbls 15% NeFe HCl, 79M lbs 40/70 sd, 15507 TLTR	
6	8563-8566; 8425-8428; 8287-8290	4179 bbls Slickwtr, 31 bbls 15% NeFe HCl, 77M lbs 40/70 sd, 19889 TLTR	
6	8149-8152; 8011-8014; 7873-7876	4433 bbls Slickwtr, 29 bbls 15% NeFe HCl, 78M lbs 40/70 sd, 244494 TLTR	
6	7735-7738; 7597-7600; 7459-7462	4376 bbls Slickwtr, 29 bbls 15% NeFe HCl, 74M lbs 40/70 sd, 29015 TLTR	
6	7321-7324; 7183-7186; 7045-7048	4175 bbls Slickwtr, 30 bbls 15% NeFe HCl, 73M lbs 40/70 sd, 33311 TLTR	
6	6907-6910; 6769-6772; 6631-6634	4204 bbls Slickwtr, 29 bbls 15% NeFe HCl, 73M lbs 40/70 sd, 37614 TLTR	

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Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	6494-6497; 6356-6359; 6218-6221	4185 bbls Slickstr, 29 bbls 15% NeFe HCl, 72M lbs 40/70 sd, 41878 TLTR	
6	6080-6083; 5942-5945; 5804-5807	4102 bbls Slickwtr, 29 bbls 15% NeFe HCl, 72M lbs 40/70 sd, 46043 TLTR	
6	5666-5669; 5528-5531; 5390-5393	4449 bbls Slickwtr, 49 bbls 15% NeFe HCl, 72M lbs 40/70 sd, 50561 TLTR	

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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	8 sack grout	11	none
Surface	12.25	9.63	36	857	O-Tex Lite Standard/Standard	670	2% Calcium Chloride, 1/4 lb/sk Celloflake, .5% C-41P
Intermediate	8.75	7	29	5478	50/50 Poz Premium	220	4% Gel, .4% c-12, .1% C-37, .5% C-41P, 2lb/sk Phenoseal
Liner	6.13	4.5	11.6	9456	50/50 Premium Poz	480	4% Gel, .4% C12, .1% C37, .5% C-41P, 2Lb/Sk Phenoseal

Sandridge Energy

Comanche County (KS27S)

Sec 23-T31S-R20W

VC 1-23H

Sidetrack #1

Survey: Sidetrack Surveys

Standard Survey Report

04 January, 2012

Wolverine Directional, LLC

Survey Report

Company: Sandridge Energy	Local Co-ordinate Reference: Well VC 1-23H
Project: Comanche County (KS27S)	TVD Reference: WELL @ 0.0ft (Original Well Elev)
Site: Sec 23-T31S-R20W	MD Reference: WELL @ 0.0ft (Original Well Elev)
Well: VC 1-23H	North Reference: Grid
Wellbore: Sidetrack #1	Survey Calculation Method: Minimum Curvature
Design: Sidetrack #1	Database: EDM 2003.21 Single User Db

Design	Sidetrack #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	181.72	

Survey Program		Date 2012/01/04
From (ft)	To (ft)	Survey (Wellbore)
888.0	9,456.0	Sidetrack Surveys (Sidetrack #1)
		Tool Name
		MWD
		Description
		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
888.0	0.10	5.30	888.0	0.8	0.1	-0.8	0.01	0.01	0.00
1,041.0	0.30	252.10	1,041.0	0.8	-0.3	-0.8	0.23	0.13	-73.99
1,517.0	0.20	339.30	1,517.0	1.2	-1.8	-1.1	0.07	-0.02	18.32
1,993.0	0.50	292.50	1,993.0	2.7	-4.0	-2.6	0.08	0.06	-9.83
2,469.0	0.50	326.30	2,469.0	5.3	-7.1	-5.1	0.06	0.00	7.10
2,945.0	0.30	19.20	2,945.0	8.2	-7.8	-7.9	0.08	-0.04	11.11
3,421.0	0.30	63.20	3,421.0	9.9	-6.3	-9.7	0.05	0.00	9.24
3,898.0	0.30	146.90	3,897.9	9.4	-4.5	-9.3	0.08	0.00	17.55
3,993.0	0.50	154.90	3,992.9	8.8	-4.2	-8.7	0.22	0.21	8.42
4,064.0	0.40	149.80	4,063.9	8.4	-3.9	-8.2	0.15	-0.14	-7.18
4,089.0	0.50	169.80	4,088.9	8.2	-3.9	-8.0	0.74	0.40	80.00
4,121.0	1.50	181.10	4,120.9	7.6	-3.8	-7.5	3.17	3.13	35.31
4,152.0	3.10	173.70	4,151.9	6.4	-3.8	-6.3	5.24	5.16	-23.87
4,184.0	4.70	171.30	4,183.8	4.2	-3.5	-4.1	5.02	5.00	-7.50
4,216.0	6.60	173.90	4,215.7	1.1	-3.1	-1.0	5.99	5.94	8.13
4,248.0	8.00	175.20	4,247.4	-3.0	-2.7	3.0	4.41	4.38	4.06
4,279.0	9.70	177.40	4,278.1	-7.7	-2.4	7.8	5.59	5.48	7.10
4,311.0	11.80	180.20	4,309.5	-13.7	-2.3	13.7	6.76	6.56	8.75
4,343.0	14.20	182.30	4,340.7	-20.9	-2.4	20.9	7.64	7.50	6.56
4,375.0	16.90	181.80	4,371.5	-29.4	-2.7	29.5	8.45	8.44	-1.56
4,407.0	19.30	182.10	4,401.9	-39.4	-3.1	39.5	7.51	7.50	0.94
4,438.0	21.40	181.90	4,431.0	-50.2	-3.5	50.2	6.78	6.77	-0.65
4,468.0	23.30	181.00	4,458.7	-61.6	-3.7	61.6	6.44	6.33	-3.00
4,500.0	25.40	180.90	4,487.9	-74.7	-4.0	74.8	6.56	6.56	-0.31
4,532.0	26.90	180.80	4,516.6	-88.9	-4.2	88.9	4.69	4.69	-0.31
4,564.0	27.90	180.90	4,545.0	-103.6	-4.4	103.7	3.13	3.13	0.31
4,596.0	29.60	181.70	4,573.1	-119.0	-4.7	119.1	5.45	5.31	2.50
4,627.0	32.40	182.10	4,599.6	-134.9	-5.3	135.0	9.06	9.03	1.29
4,659.0	34.30	181.70	4,626.4	-152.5	-5.9	152.6	5.98	5.94	-1.25
4,691.0	36.30	181.90	4,652.5	-171.0	-6.4	171.1	6.26	6.25	0.63
4,723.0	38.10	181.20	4,678.0	-190.3	-7.0	190.4	5.78	5.63	-2.19
4,755.0	39.90	181.40	4,702.8	-210.5	-7.4	210.6	5.64	5.63	0.63
4,786.0	41.80	181.50	4,726.3	-230.7	-7.9	230.9	6.13	6.13	0.32
4,818.0	44.90	181.00	4,749.5	-252.7	-8.4	252.8	9.75	9.69	-1.56
4,850.0	47.00	181.70	4,771.8	-275.7	-9.0	275.8	6.75	6.56	2.19
4,882.0	48.50	182.30	4,793.3	-299.3	-9.8	299.5	4.89	4.69	1.88
4,914.0	48.50	182.60	4,814.5	-323.3	-10.8	323.5	0.70	0.00	0.94
4,945.0	49.90	182.70	4,834.8	-346.7	-11.9	346.9	4.52	4.52	0.32

Wolverine Directional, LLC

Survey Report

Company: Sandridge Energy
Project: Comanche County (KS27S)
Site: Sec 23-T31S-R20W
Well: VC 1-23H
Wellbore: Sidetrack #1
Design: Sidetrack #1

Local Co-ordinate Reference: Well VC 1-23H
TVD Reference: WELL @ 0.0ft (Original Well Elev)
MD Reference: WELL @ 0.0ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
4,977.0	50.60	182.30	4,855.2	-371.3	-13.0	371.5	2.39	2.19	-1.25
5,011.0	50.50	182.60	4,876.8	-397.5	-14.1	397.8	0.74	-0.29	0.88
5,043.0	50.50	182.00	4,897.2	-422.2	-15.1	422.5	1.45	0.00	-1.88
5,074.0	50.40	182.40	4,916.9	-446.1	-16.0	446.4	1.05	-0.32	1.29
5,106.0	52.90	182.10	4,936.8	-471.2	-17.0	471.5	7.85	7.81	-0.94
5,138.0	56.50	182.40	4,955.3	-497.3	-18.0	497.6	11.28	11.25	0.94
5,170.0	59.90	182.70	4,972.1	-524.4	-19.2	524.8	10.65	10.63	0.94
5,201.0	62.60	182.50	4,987.0	-551.6	-20.4	551.9	8.73	8.71	-0.65
5,233.0	64.90	181.80	5,001.2	-580.3	-21.5	580.6	7.45	7.19	-2.19
5,265.0	67.00	181.80	5,014.2	-609.5	-22.4	609.9	6.56	6.56	0.00
5,297.0	69.30	181.10	5,026.1	-639.1	-23.2	639.6	7.47	7.19	-2.19
5,328.0	71.30	181.10	5,036.6	-668.3	-23.8	668.7	6.45	6.45	0.00
5,360.0	75.00	180.30	5,045.9	-698.9	-24.1	699.4	11.81	11.56	-2.50
5,392.0	78.20	180.50	5,053.3	-730.1	-24.3	730.5	10.02	10.00	0.63
5,423.0	81.10	181.10	5,058.8	-760.6	-24.8	761.0	9.55	9.35	1.94
5,513.0	85.20	181.60	5,069.6	-849.9	-26.9	850.3	4.59	4.56	0.56
5,544.0	84.80	181.10	5,072.3	-880.7	-27.6	881.2	2.06	-1.29	-1.61
5,576.0	86.40	181.00	5,074.7	-912.6	-28.2	913.1	5.01	5.00	-0.31
5,608.0	89.10	181.20	5,076.0	-944.6	-28.8	945.0	8.46	8.44	0.63
5,640.0	89.20	181.10	5,076.5	-976.6	-29.4	977.0	0.44	0.31	-0.31
5,672.0	88.80	181.10	5,077.0	-1,008.6	-30.1	1,009.0	1.25	-1.25	0.00
5,704.0	89.70	181.00	5,077.4	-1,040.6	-30.6	1,041.0	2.83	2.81	-0.31
5,736.0	91.00	180.90	5,077.2	-1,072.6	-31.2	1,073.0	4.07	4.06	-0.31
5,831.0	90.30	181.30	5,076.2	-1,167.6	-33.0	1,168.0	0.85	-0.74	0.42
5,927.0	90.20	180.90	5,075.7	-1,263.5	-34.8	1,264.0	0.43	-0.10	-0.42
6,023.0	89.00	181.80	5,076.4	-1,359.5	-37.1	1,360.0	1.56	-1.25	0.94
6,118.0	90.10	182.50	5,077.2	-1,454.4	-40.7	1,455.0	1.37	1.16	0.74
6,214.0	89.10	181.80	5,077.8	-1,550.4	-44.3	1,551.0	1.27	-1.04	-0.73
6,310.0	90.60	183.30	5,078.1	-1,646.3	-48.5	1,647.0	2.21	1.56	1.56
Last OH Survey									
6,382.0	86.80	181.90	5,079.7	-1,718.1	-51.8	1,718.9	5.62	-5.28	-1.94
First ST#1 Survey									
6,405.0	85.20	181.90	5,081.3	-1,741.1	-52.6	1,741.9	6.96	-6.96	0.00
6,436.0	85.40	180.80	5,083.9	-1,772.0	-53.3	1,772.8	3.59	0.65	-3.55
6,467.0	86.30	178.70	5,086.1	-1,802.9	-53.2	1,803.7	7.35	2.90	-6.77
6,498.0	88.00	177.90	5,087.6	-1,833.8	-52.2	1,834.6	6.06	5.48	-2.58
6,529.0	89.30	177.40	5,088.4	-1,864.8	-51.0	1,865.5	4.49	4.19	-1.61
6,560.0	88.60	178.00	5,088.9	-1,895.8	-49.7	1,896.4	2.97	-2.26	1.94
6,592.0	89.70	178.60	5,089.4	-1,927.7	-48.8	1,928.3	3.92	3.44	1.88
6,624.0	90.80	178.10	5,089.3	-1,959.7	-47.9	1,960.3	3.78	3.44	-1.56
6,655.0	92.20	178.10	5,088.5	-1,990.7	-46.8	1,991.2	4.52	4.52	0.00
6,686.0	91.40	178.40	5,087.5	-2,021.7	-45.9	2,022.1	2.76	-2.58	0.97
6,718.0	91.50	178.60	5,086.7	-2,053.7	-45.0	2,054.1	0.70	0.31	0.63
6,749.0	92.40	178.70	5,085.6	-2,084.6	-44.3	2,085.0	2.92	2.90	0.32
6,781.0	91.90	178.90	5,084.4	-2,116.6	-43.6	2,116.9	1.68	-1.56	0.63
6,813.0	92.40	178.90	5,083.2	-2,148.6	-43.0	2,148.9	1.56	1.56	0.00
6,845.0	92.80	178.90	5,081.8	-2,180.5	-42.4	2,180.8	1.25	1.25	0.00
6,877.0	90.90	179.70	5,080.7	-2,212.5	-42.0	2,212.8	6.44	-5.94	2.50
6,909.0	90.80	179.40	5,080.3	-2,244.5	-41.8	2,244.7	0.99	-0.31	-0.94
6,941.0	90.30	179.10	5,080.0	-2,276.5	-41.4	2,276.7	1.82	-1.56	-0.94
6,973.0	89.10	179.90	5,080.1	-2,308.5	-41.1	2,308.7	4.51	-3.75	2.50
7,005.0	89.20	178.70	5,080.6	-2,340.5	-40.7	2,340.7	3.76	0.31	-3.75
7,036.0	88.70	179.40	5,081.2	-2,371.5	-40.2	2,371.6	2.77	-1.61	2.26
7,068.0	88.10	180.90	5,082.1	-2,403.5	-40.3	2,403.6	5.05	-1.88	4.69

Wolverine Directional, LLC

Survey Report

Company: Sandridge Energy
Project: Comanche County (KS27S)
Site: Sec 23-T31S-R20W
Well: VC 1-23H
Wellbore: Sidetrack #1
Design: Sidetrack #1

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North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)	
7,100.0	89.30	181.80	5,082.8	-2,435.4	-41.0	2,435.6	4.69	3.75	2.81	
7,132.0	90.60	182.30	5,082.8	-2,467.4	-42.2	2,467.6	4.35	4.06	1.56	
7,164.0	90.50	182.50	5,082.5	-2,499.4	-43.5	2,499.6	0.70	-0.31	0.63	
7,196.0	90.60	182.70	5,082.2	-2,531.4	-44.9	2,531.6	0.70	0.31	0.63	
7,222.0	90.50	182.60	5,082.0	-2,557.3	-46.1	2,557.6	0.54	-0.38	-0.38	
7,254.0	90.60	182.40	5,081.6	-2,589.3	-47.5	2,589.6	0.70	0.31	-0.63	
7,286.0	90.40	182.40	5,081.4	-2,621.3	-48.9	2,621.6	0.63	-0.63	0.00	
7,381.0	90.20	182.00	5,080.9	-2,716.2	-52.5	2,716.6	0.47	-0.21	-0.42	
7,477.0	90.20	182.20	5,080.5	-2,812.1	-56.0	2,812.5	0.21	0.00	0.21	
7,572.0	90.10	181.80	5,080.3	-2,907.1	-59.4	2,907.5	0.43	-0.11	-0.42	
7,668.0	90.10	181.00	5,080.1	-3,003.0	-61.7	3,003.5	0.83	0.00	-0.83	
7,763.0	89.90	180.50	5,080.1	-3,098.0	-62.9	3,098.5	0.57	-0.21	-0.53	
7,859.0	88.60	180.70	5,081.4	-3,194.0	-64.0	3,194.5	1.37	-1.35	0.21	
7,955.0	90.20	181.40	5,082.4	-3,290.0	-65.7	3,290.5	1.82	1.67	0.73	
8,050.0	89.00	181.40	5,083.0	-3,385.0	-68.0	3,385.5	1.26	-1.26	0.00	
8,145.0	89.90	182.10	5,084.0	-3,479.9	-70.9	3,480.5	1.20	0.95	0.74	
8,241.0	91.00	181.10	5,083.2	-3,575.9	-73.6	3,576.5	1.55	1.15	-1.04	
8,337.0	89.70	180.80	5,082.6	-3,671.9	-75.2	3,672.5	1.39	-1.35	-0.31	
8,432.0	91.10	182.50	5,082.0	-3,766.8	-77.9	3,767.4	2.32	1.47	1.79	
8,528.0	89.20	181.80	5,081.7	-3,862.7	-81.5	3,863.4	2.11	-1.98	-0.73	
8,624.0	91.20	182.80	5,081.4	-3,958.6	-85.4	3,959.4	2.33	2.08	1.04	
8,719.0	91.50	181.90	5,079.1	-4,053.5	-89.3	4,054.4	1.00	0.32	-0.95	
8,815.0	92.80	182.40	5,075.5	-4,149.4	-92.9	4,150.3	1.45	1.35	0.52	
8,908.0	89.80	180.70	5,073.4	-4,242.3	-95.4	4,243.3	3.71	-3.23	-1.83	
9,004.0	88.90	180.50	5,074.5	-4,338.3	-96.4	4,339.3	0.96	-0.94	-0.21	
9,099.0	89.10	180.30	5,076.2	-4,433.3	-97.1	4,434.2	0.30	0.21	-0.21	
9,195.0	88.60	179.50	5,078.1	-4,529.3	-96.9	4,530.1	0.98	-0.52	-0.83	
9,291.0	89.00	179.60	5,080.1	-4,625.3	-96.1	4,626.1	0.43	0.42	0.10	
9,386.0	88.20	179.80	5,082.4	-4,720.2	-95.7	4,721.0	0.87	-0.84	0.21	
Last ST#1 Survey										
9,456.0	88.20	179.80	5,084.6	-4,790.2	-95.4	4,790.9	0.00	0.00	0.00	
Proj to TD - VC 1-23H PBHL										

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
6,310.0	5,078.1	-1,646.3	-48.5	Last OH Survey
6,382.0	5,079.7	-1,718.1	-51.8	First ST#1 Survey
9,386.0	5,082.4	-4,720.2	-95.7	Last ST#1 Survey
9,456.0	5,084.6	-4,790.2	-95.4	Proj to TD

Checked By: _____ Approved By: _____ Date: _____

Mid-Continent Conductor, LLC

Invoice

P.O. Box 1570
Woodward, OK 73802

Phone: (580)254-5400

Fax: (580)254-3242

Date	Invoice #
11/30/2011	1157

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
Lawrence	Net 60	11/28/2011	VC 1-23H, 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	11	Furnished 11 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 \$19,590.00
			Sales Tax (0.0%) \$0.00
			Total \$19,590.00

JOB SUMMARY			PROJECT NUMBER SOK1057	TICKET DATE 12/15/11
COUNTY Comanche	State Kansas	COMPANY Sandridge Exp and Production	CUSTOMER REP Roger Harris	
LEASE NAME VC	Well No 1-23H	JOB TYPE Surface	EMPLOYEE NAME M.Wilson	

EMP NAME	Matt Wilson	John Hall				
	Johnny Breeze					
	David Settlmeyer					
	David Thomas					

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

Date	Called Out 12/15/2011	On Location 12/15/2011	Job Started 12/16/2011	Job Completed 12/16/2011
Time	6:00 pm	11:00 pm	3:30 am	5:45 am

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	36.0	9 5/8		Surface		
Liner						
Liner						
Tubing		0				
Drill Pipe						
Open Hole		12 1/4		Surface	900	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Spacer type	BBL.	
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	
12/15	1.0	12/16	4.0	Surface
12/16	6.0			
Total	7.0	Total	4.0	

Pressures

MAX	1500	AVG.	300
Average Rates in BPM			
MAX	6	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	100	Standard	2% Calcium Chloride on the side	5.20	1.18	15.60

Summary

Preflush	_____	Type:	Preflush:	BBI	10.00	Type:	water
Breakdown	_____	MAXIMUM	Load & Bkdn:	Gal - BBI	_____	Pad:Bbl - Gal	_____
	_____	Lost Returns-N	Excess /Return	BBI	70	Calc. Disp Bbl	65
	_____	Actual TOC	Calc. TOC:	_____	surface	Actual Disp.	65.00
Average	_____	Frac. Gradient	Treatment:	Gal - BBI	_____	Disp:Bbl	_____
ISIP	5 Min. _____	10 Min _____	Cement Slurry:	BBI	165.0		
		15 Min _____	Total Volume	BBI	240.00		

CUSTOMER REPRESENTATIVE *Roger Harris* SIGNATURE

JOB SUMMARY

PROJECT NUMBER SKO1075		TICKET DATE 12/22/11	
COUNTY Comanche		STATE Kansas	
COMPANY Sandridge Exp and Prod		CUSTOMER REP Felix Ortiz Jr.	
LEASE NAME VC		WELL NO. 1-23H	
JOB TYPE Intermediate		EMPLOYEE NAME Larry Kirchner Jr.	

EMP NAME			
Larry Kirchner Jr.			
Jayson Pierce			
Billy Taff			

Form. Name _____ Type: _____

Packer Type _____ Set At _____ d

Bottom Hole Temp. _____ 0 Pressure _____

Retainer Depth _____ Total Depth **5478**

Date	Called Out	On Location	Job Started	Job Completed
	12/22/2011	12/22/2011	12/22/2011	12/22/2011
Time	12:00AM	5:30AM	7:06AM	8:30AM

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	New	29.0	7		Surface	5,478'	3,500
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			8 3/4		Surface	5,478	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

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

Date	Hours
12/22	3.0
Total	3.0

Operating Hours

Date	Hours
12/22	2.0
Total	2.0

Description of Job

Intermediate

Pressures

MAX 3,500	AVG 350
Average Rates in BPM	
MAX	AVG
Cement Left in Pipe	
Feet 87	Reason Shoe Joint

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	220	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	0	0		0	0.00	0.00
3	0	0		0	0.00	0.00

Summary

Preflush _____	Type: _____	Preflush: BBI	20.00	Type: FRESH WATER
Breakdown _____	MAXIMUM _____	Load & Bkdn: Gal - BBI	N/A	Pad: Bbl - Gal N/A
	Lost Returns - A _____	Excess /Return BBI	N/A	Calc. Disp Bbl 200
	Actual TOC _____	Calc. TOC: Gal - BBI	4,118'	Actual Disp. 200.00
Average _____	Frac. Gradient _____	Treatment: Gal - BBI	N/A	Disp: Bbl _____
IGIP 5 Min. _____	10 Min. _____	Cement Slurry: BBI	56.0	
	15 Min. _____	Total Volume BBI	276.00	

CUSTOMER REPRESENTATIVE _____ *Felix Ortiz Jr.* SIGNATURE _____

JOB SUMMARY			PROJECT NUMBER SOK1106	TICKET DATE 01/05/12
COUNTY Comanche	State Oklahoma	COMPANY Landridge Exp and Productio	CUSTOMER REP Felix Ortiz Jr.	
LEASE NAME VC	Well No. 1-23H	JOB TYPE Liner	EMPLOYEE NAME Louis Arney	

EMP NAME							
Louis Arney							
Jason Jones							
Mark Boethin							
Flo Helkena							

Form. Name _____ Type: _____

Packer Type _____ Set At **5,478'**

Bottom Hole Temp. **150** Pressure _____

Retainer Depth _____ Total Depth **9,456'**

Date	Called Out 1/5/2012	On Location 1/5/2012	Job Started 1/5/2012	Job Completed 1/6/2012
Time	11:30	18:00	22:38	00:02

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		6,077'	9,456'	3,500
Liner Tool			2 1/4ID		5,059'	5,077'	3,500
Drill Collars			2 1/4ID		4,141.68'	5,059'	3,500
Drill Pipe			3 1/2"		Surface	4,141.68'	3,500
Open Hole			6 1/8"		Surface	9,456'	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.	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	
1/5	6.0	1/5	1.5	Liner
1/6	1.0			
Total	7.0	Total	1.5	

Pressures			
MAX	3,500 PSI	AVG	400
Average Rates in BPM			
MAX	6 BPM	AVG	5
Cement Left in Pipe			
Feet	78.39'	Reason	SHOE JOINT

Cement Data			
Stage	Sacks	Cement	Additives
1	480	50/50 Premium Poz	(4%Gel) - .4% C12 - .1% C37 - 0.5% C-41P - 2 Lb/Sk Phenoseal
2	0	0	0 0.00 0.00 0.00
3	0	0	0 0.00 0.00 0.00

Summary							
Preflush Breakdown	10-	Type: Caustic	Preflush: BBI	20.00	Type: Fresh Water		
		MAXIMUM	Load & Bkdn: Gal - BBI	N/A	Pad:Bbl -Gal	N/A	
		Lost Returns-N	Excess /Return BBI	N/A	Calc. Disp Bbl		
		Actual TOC	Calc. TOC:	4,541'	Actual Disp.	89.00	
Average		Bump Plug PSI:	Final Circ. PSI:	440	Disp:Bbl		
ISIP	5 Min.	10 Min	Cement Slurry: BBI	123.1			
			Total Volume BBI	232.10			

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____



123 Robert S. Kerr Ave.
Oklahoma City, OK 73102

Wellbore Schematic

VC 1-23H

HORIZONTAL - Sidetrack 1, 3/7/2012 8:44:31 AM		Wellbore Sections										
Vertical schematic (actual)		Section Des		Size (in)		Act Top (ftKB)		Act Blm (ftKB)				
		Production		6 1/8		6,370.0		9,456.0				
		Casing										
		Csg Desc	Jts	Item Des	OD (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Blm (ftKB)	Com
		Conductor		Casing-Joints	20	94.00	J-55	LT&C	90.00	0.0	90.0	
		Surface	20	Casing-Joints	9 5/8	36.00	J-55	LT&C	844.08	-31.0	813.0	
		Surface	1	Casing-Joints	9 5/8	36.00	J-55	LT&C	41.72	814.2	856.0	
		Surface	1	Shoe	9 5/8	36.00	J-55	LT&C	1.05	856.0	857.0	
		Intermediate	102	Casing-Joints	7	29.00	N-80		4,049.62	-3.3	4,046.3	
		Intermediate	32	Casing-Joints	7	29.00	P-110		1,344.38	4,046.3	5,390.7	
		Intermediate	2	Casing-Joints	7	29.00	P-110		84.53	5,391.9	5,476.4	
Intermediate	1	Shoe	7	29.00	P-110		1.60	5,476.4	5,478.0			
Liner	0	Casing-Joints	4 1/2	11.60	P-110	LT&C	0.00	5,041.1	5,041.1			
Liner	111	Casing-Joints	4 1/2	11.60	P-110	LT&C	4,318.48	5,059.1	9,377.6			
Liner	2	Casing-Joints	4 1/2	11.60	P-110	LT&C	75.39	9,379.1	9,454.5			
Liner	1	Guide Shoe	4 1/2	11.60	P-110	LT&C	1.50	9,454.5	9,456.0			
Cement												
Des		Top (ftKB)		Blm (ftKB)		Com						
Conductor Cement		19.5		90.0								
Surface Casing Cement		19.5		857.0								
Intermediate Casing Cement		4,118.0		5,478.0								
Liner Cement		5,041.1		9,456.0								
Tubing												
Des		Item Des		OD (in)	ID (in)	EUE Wt (lb/ft)	Grade	Jts	Top (ftKB)	Blm (ftKB)	Com	
Rod Components												
Jts	Item Description	OD (in)	Top Coupling	Grade	Guide Des	Len (ft)	Top (ftKB)	Blm (ftKB)	Comment			
Perforations												
Date	Top (ftKB)	Blm (ftKB)	Zone Name			Shot Dens (shots/ft)	Current Status		Com			
1/28/2012	9,365.0	9,367.0	Miss Lime			6.0	Active					
1/28/2012	9,281.0	9,283.0	Miss Lime			6.0	Active					
1/28/2012	9,196.0	9,198.0	Miss Lime			6.0	Active					
1/28/2012	9,112.0	9,114.0	Miss Lime			6.0	Active					
1/28/2012	9,027.0	9,029.0	Miss Lime			6.0	Active					
2/16/2012	8,943.0	8,945.0	Miss Lime			6.0	Active					
2/16/2012	8,859.0	8,861.0	Miss Lime			6.0	Active					
2/16/2012	8,774.0	8,776.0	Miss Lime			6.0	Active					
2/16/2012	8,690.0	8,692.0	Miss Lime			6.0	Active					
2/16/2012	8,606.0	8,608.0	Miss Lime			6.0	Active					
2/16/2012	8,521.0	8,523.0	Miss Lime			6.0	Active					
2/16/2012	8,437.0	8,439.0	Miss Lime			6.0	Active					
2/16/2012	8,352.0	8,354.0	Miss Lime			6.0	Active					
2/16/2012	8,268.0	8,270.0	Miss Lime			6.0	Active					
2/16/2012	8,184.0	8,186.0	Miss Lime			6.0	Active					
2/16/2012	8,099.0	8,101.0	Miss Lime			6.0	Active					
2/16/2012	8,015.0	8,017.0	Miss Lime			6.0	Active					
2/16/2012	7,930.0	7,932.0	Miss Lime			6.0	Active					
2/16/2012	7,846.0	7,848.0	Miss Lime			6.0	Active					
2/16/2012	7,762.0	7,764.0	Miss Lime			6.0	Active					
2/17/2012	7,677.0	7,679.0	Miss Lime			6.0	Active					
2/17/2012	7,593.0	7,595.0	Miss Lime			6.0	Active					
2/17/2012	7,508.0	7,510.0	Miss Lime			6.0	Active					
2/17/2012	7,424.0	7,426.0	Miss Lime			6.0	Active					

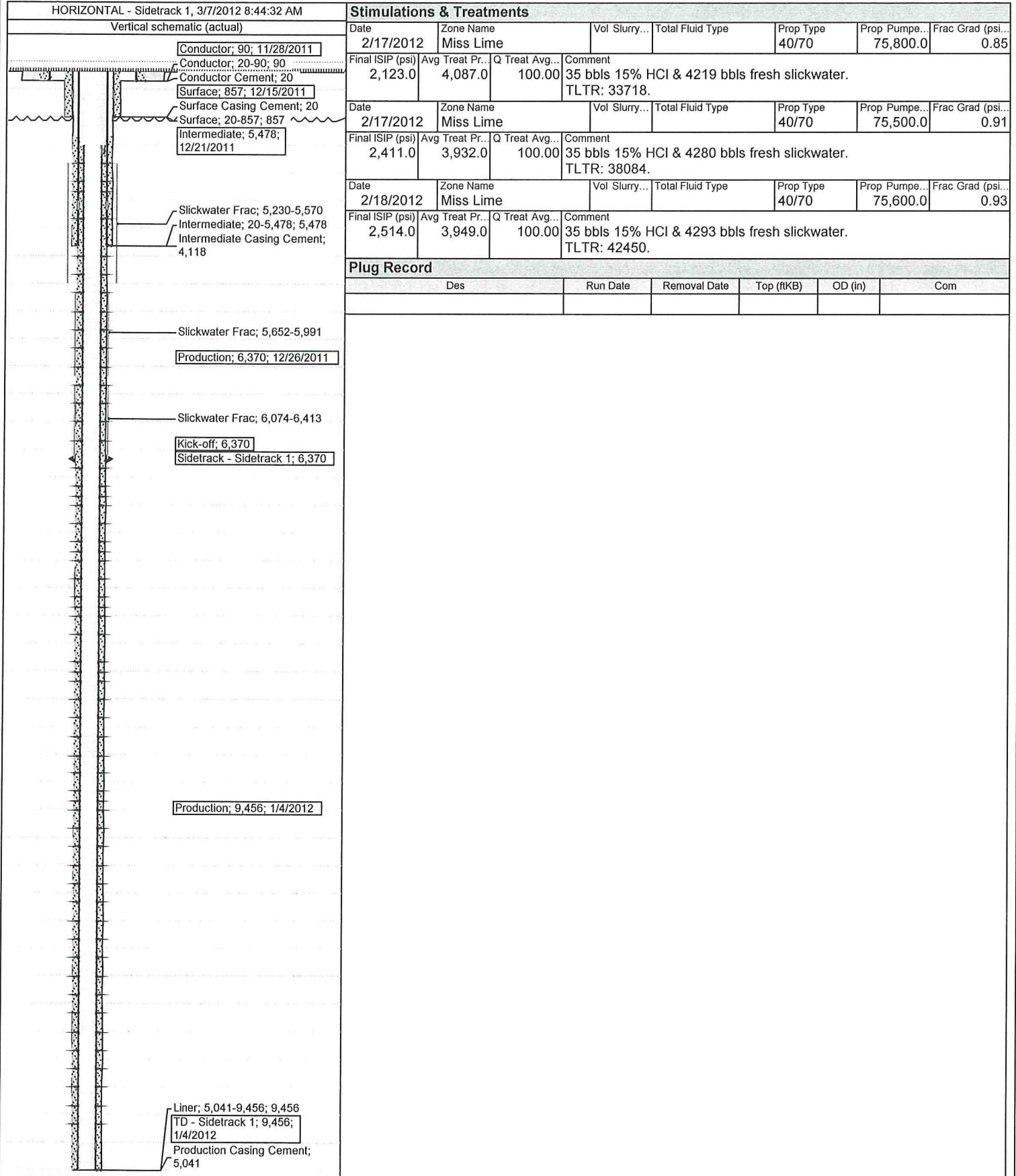
Wellbore Schematic

VC 1-23H

HORIZONTAL - Sidetrack 1, 3/7/2012 8:44:31 AM		Perforations						
Vertical schematic (actual)		Date	Top (ftKB)	Blm (ftKB)	Zone Name	Shot Dens (shots/ft)	Current Status	Com
Conductor; 90; 11/28/2011		2/17/2012	7,340.0	7,342.0	Miss Lime	6.0	Active	
Conductor; 20-90; 90		2/17/2012	7,255.0	7,257.0	Miss Lime	6.0	Active	
Conductor Cement; 20		2/17/2012	7,171.0	7,173.0	Miss Lime	6.0	Active	
Surface; 857; 12/15/2011		2/17/2012	7,087.0	7,089.0	Miss Lime	6.0	Active	
Surface Casing Cement; 20		2/17/2012	7,002.0	7,004.0	Miss Lime	6.0	Active	
Surface; 20-857; 857		2/17/2012	6,918.0	6,920.0	Miss Lime	6.0	Active	
Intermediate; 5,478; 12/21/2011		2/17/2012	6,833.0	6,835.0	Miss Lime	6.0	Active	
Slickwater Frac; 5,230-5,570		2/17/2012	6,749.0	6,751.0	Miss Lime	6.0	Active	
Intermediate; 20-5,478; 5,478		2/17/2012	6,665.0	6,667.0	Miss Lime	6.0	Active	
Intermediate Casing Cement; 4,118		2/17/2012	6,580.0	6,582.0	Miss Lime	6.0	Active	
Slickwater Frac; 5,652-5,991		2/17/2012	6,496.0	6,498.0	Miss Lime	6.0	Active	
Production; 6,370; 12/26/2011		2/17/2012	6,411.0	6,413.0	Miss Lime	6.0	Active	
Slickwater Frac; 6,074-6,413		2/17/2012	6,327.0	6,329.0	Miss Lime	6.0	Active	
Kick-off; 6,370		2/17/2012	6,243.0	6,245.0	Miss Lime	6.0	Active	
Sidetrack - Sidetrack 1; 6,370		2/17/2012	6,074.0	6,076.0	Miss Lime	6.0	Active	
		2/17/2012	6,158.0	6,160.0	Miss Lime	6.0	Active	
		2/17/2012	5,989.0	5,991.0	Miss Lime	6.0	Active	
		2/17/2012	5,905.0	5,907.0	Miss Lime	6.0	Active	
		2/17/2012	5,821.0	5,823.0	Miss Lime	6.0	Active	
		2/17/2012	5,736.0	5,738.0	Miss Lime	6.0	Active	
		2/17/2012	5,652.0	5,654.0	Miss Lime	6.0	Active	
		2/17/2012	5,568.0	5,570.0	Miss Lime	6.0	Active	
		2/17/2012	5,483.0	5,485.0	Miss Lime	6.0	Active	
		2/18/2012	5,399.0	5,401.0	Miss Lime	6.0	Active	
		2/18/2012	5,314.0	5,316.0	Miss Lime	6.0	Active	
		2/18/2012	5,230.0	5,232.0	Miss Lime	6.0	Active	
Stimulations & Treatments								
Date	Zone Name	Vol Slurry...	Total Fluid Type	Prop Type	Prop Pumpe...	Frac Grad (psi...		
2/14/2012	Miss Lime			40/70	75,000.0	0.98		
Final ISIP (psi)	Avg Treat Pr...	Q Treat Avg...	Comment					
	5,600.0	88.00	40bbls 15%HCL, 4492 bbls slickwater, 4532TTL					
Date	Zone Name	Vol Slurry...	Total Fluid Type	Prop Type	Prop Pumpe...	Frac Grad (psi...		
2/18/2012	Miss Lime			40/70	75,000.0	0.93		
Final ISIP (psi)	Avg Treat Pr...	Q Treat Avg...	Comment					
2,524.0	4,548.0	100.00	45 bbls 15% HCL & 4335 bbls fresh slickwater. TLTR: 46809.					
Date	Zone Name	Vol Slurry...	Total Fluid Type	Prop Type	Prop Pumpe...	Frac Grad (psi...		
2/16/2012	Miss Lime			40/70	75,000.0	0.91		
Final ISIP (psi)	Avg Treat Pr...	Q Treat Avg...	Comment					
	5,522.0	100.00	36bbls 15%HCL, 4346 bbls slickwater, 11088TTL					
Date	Zone Name	Vol Slurry...	Total Fluid Type	Prop Type	Prop Pumpe...	Frac Grad (psi...		
2/16/2012	Miss Lime			40/70	74,200.0	0.85		
Final ISIP (psi)	Avg Treat Pr...	Q Treat Avg...	Comment					
	3,996.0	100.00	35bbls 15%HCL, 4335 freshwater, tltr 15678					
Date	Zone Name	Vol Slurry...	Total Fluid Type	Prop Type	Prop Pumpe...	Frac Grad (psi...		
2/16/2012	Miss Lime			40/70	74,500.0	0.98		
Final ISIP (psi)	Avg Treat Pr...	Q Treat Avg...	Comment					
2,765.0	5,312.0	99.00	35bbls 15%HCL, 4330 bbls freshwater, tltr 20301					
Date	Zone Name	Vol Slurry...	Total Fluid Type	Prop Type	Prop Pumpe...	Frac Grad (psi...		
2/17/2012	Miss Lime			40/70	75,000.0	0.99		
Final ISIP (psi)	Avg Treat Pr...	Q Treat Avg...	Comment					
2,855.0	4,722.0	100.00	36 bbls 15% HCl & 4232 bbls fresh slickwater. TLTR: 24894.					
Date	Zone Name	Vol Slurry...	Total Fluid Type	Prop Type	Prop Pumpe...	Frac Grad (psi...		
2/17/2012	Miss Lime			40/70	75,400.0	0.88		
Final ISIP (psi)	Avg Treat Pr...	Q Treat Avg...	Comment					
2,279.0	4,411.0	100.00	36 bbls 15% HCl & 4245 bbls fresh slickwater. TLTR: 29319.					
Liner; 5,041-9,456; 9,456								
TD - Sidetrack 1; 9,456; 1/4/2012								
Production Casing Cement; 5,041								

Wellbore Schematic

VC 1-23H



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

Section 14
31S 20W

Section 13
31S 20W

VC 1-23H



Miss Entry: 5220'
-99.456727 37.335873

Top Perf: 5230'
-99.456728 37.335848

Section 23
31S 20W

Section 24
31S 20W

Bottom Perf: 9365'
-99.456838 37.324526

BHL: 9456'
-99.4568340 37.324277

738' FEL

312' FSL

Section 26
31S 20W

Section 25
31S 20W



Actual Bottom-Hole Location of VC 1-23H
Comanche County, Kansas
T&R: 31S 20W
Section: 23, 738' FEL & 312' FSL
Long/Lat:: -99.456834 37.324277

1 in = 667 ft

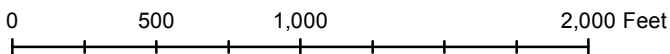


● Actual BH Location

* SandRidge Wells

--- Perf

□ Sections



Draftsman:

Aaron Birk

Draft Date: 3/15/2012

Drawing Name/Number:

Addendum_VC_1-23H.mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502

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

March 16, 2012

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

Re: ACO1
API 15-033-21607-01-00
VC 1-23H
NE/4 Sec.23-31S-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

Logo

Attachment successfully uploaded.

Back to Well Completion

VC 1-23H (1072315)

Actions

View PDF
Delete
Edit
Certify & Submit
Request Confidentiality

Attachments

Two Year Confidentiality OPERATOR	View PDF Delete
Directional Survey OPERATOR	View PDF Delete
Cementing Information OPERATOR	View PDF Delete
Wellbore Schematic OPERATOR	View PDF Delete
Gas Analysis OPERATOR	View PDF Delete
As Drilled Plat OPERATOR	View PDF Delete

Add Attachment

Remarks

Remarks to KCC

Add Remark

Remarks

Tiffany Golay 03/07/012 12:56 pm	Fluid Mgmt: 3080bbls hauled to disposal. Operator: Weinett Disposal LLCm License# 10-0992, Permit # 906250, County: Lipscomb, TX 5940 bbls were soil farmed by Triple C Soil Farming in Woodward County.
Tiffany Golay 03/07/012 08:47 am	Conductor Weight= 94 lbs/ft