Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1075704

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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

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 #:

2/24/2012	3/17/2012	3/22/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-033-21625-01-00
Spot Description:
N2 - NW - NW - NW Sec. 30 Twp. 31 S. R. 19 ☐ East ☑ West
165 Feet from ☑ North / ☐ South Line of Section
330 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Comanche
Lease Name: Larry Well #: 1-30H
Field Name:
Producing Formation: Mississippi
Elevation: Ground: 2054 Kelly Bushing: 2034
Total Vertical Depth: 9527 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 991 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: 18000 ppm Fluid volume: 3900 bbls
Dewatering method used: Haul Off Pit
Location of fluid disposal if hauled offsite:
Operator Name: Triple C
Lease Name: unknown License #: 99999
Quarter NE Sec. 29 Twp. 26 S. R. 18 ☐ East ☑ West
County: Woodware, OK Permit #: 1220121

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: 06/21/2012
☑ **Confidential Release Date:** 06/21/2014
☐ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 06/21/2012

[redacted] 1075704

Operator Name: SandRidge Exploration and Production LLC Lease Name: Larry Well #: 1-30H

Sec. 30 Twp. 31 S. R. 19 ☐ East ☑ West County: Comanche

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☐ Yes ☑ No

List All E. Logs Run:

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

Name	Top	Datum
Base Heebner	4203	-2131
Cherokee Group	5142	-2916
Mississippi Unconformity	5294	-3004

CASING RECORD ☑ New ☐ Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Conductor	30	20	75	90	Edge Services Grade A Cemen	9	none
Surface	12.25	9.63	36	991	O-Tex Lite Standard/ Standard	720	(6% gel lite only) 2% calcium chloride, 1/
Intermediate	8.75	7	26	5573	50/50 Poz Premium	200	4% gel, .4% C-12, .1% C-37, .5% C-41P,

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☐ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
Attached	Attached	Attached	Attached

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

Date of First, Resumed Production, SWD or ENHR. 4/12/2012

Producing Method: ☑ Flowing ☐ Pumping ☑ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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

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

PRODUCTION INTERVAL:

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

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Larry 1-30H
Doc ID	1075704

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
	9409-9410	3192 bbls water, 48 bbls acid, 54M lbs sd, 3240 TLTR	
	9144-9145	3156 bbls water, 48 bbls acid, 56M lbs sd, 6396 TLTR	
	8879-8880	3247 bbls water, 48 bbls acid, 55M lbs sd, 9691 TLTR	
	8614-8615	3126 bbls water, 48 bbls acid, 55M lbs sd, 12855 TLTR	
	8349-8350	3139 bbls water, 48 bbls acid, 59M lbs sd, 16042 TLTR	
	8084-8085	3142 bbls water, 48 bbls acid, 56M lbs sd, 19232 TLTR	
	7819-7820	3133 bbls water, 48 bbls acid, 55M lbs sd, 22413 TLTR	
	7555-7556	3133 bbls water, 48 bbls acid, 55M lbs sd, 25590 TLTR	
	7290-7291	3125 bbls water, 48 bbls acid, 55M lbs sd, 28763 TLTR	
	7025-7026	3100 bbls water, 48 bbls acid, 56M lbs sd, 31906 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Larry 1-30H
Doc ID	1075704

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
	6760-6761	3139 bbls water, 48 bbls acid, 55M lbs sd, 35093 TLTR	
	6495-6496	3161 bbls water, 48 bbls acid, 55M lbs sd	
	6230-6231	3105 bbls water, 48 bbls acid, 56045 lbs sd	
	5965-5966	3116 bbls water, 48 bbls acid, 56045 lbs sd	
	5700-5701	3172 bbls water, 46 bbls acid, 56045 lbs sd	

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

Kansas
Corporation Commission

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

March 19, 2012

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

Re: ACO1
API 15-033-21625-01-00
Larry 1-30H
NW/4 Sec.30-31S-19W
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 30-T31S-R19W
Larry 1-30H

Wellbore #1

Survey: MWD Surveys

Standard Survey Report

18 March, 2012

Wolverine Directional, LLC

Survey Report

Company:	SandRidge Energy	**Local Co-ordinate Reference:**	Well Larry 1-30H
Project:	Comanche County (KS27S)	**TVD Reference:**	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 30-T31S-R19W	**MD Reference:**	WELL @ 0.0ft (Original Well Elev)
Well:	Larry 1-30H	**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	178.74

Survey Program **Date** 2012/03/18

From (ft)	**To (ft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
1,039.0	9,527.0	MWD Surveys (Wellbore #1)	MWD	MWD - Standard

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
1,039.0	0.60	293.30	1,039.0	2.2	-5.0	-2.3	0.06	0.06	0.00
First MWD Survey									
1,230.0	0.90	286.40	1,230.0	3.0	-7.4	-3.1	0.16	0.16	-3.61
1,516.0	0.10	61.60	1,516.0	3.7	-9.3	-3.9	0.34	-0.28	47.27
1,992.0	0.40	151.10	1,991.9	2.5	-8.1	-2.6	0.09	0.06	18.80
2,469.0	0.50	169.40	2,468.9	-1.0	-6.9	0.9	0.04	0.02	3.84
2,945.0	0.30	116.30	2,944.9	-3.6	-5.4	3.5	0.08	-0.04	-11.16
3,422.0	0.50	57.70	3,421.9	-3.1	-2.6	3.0	0.09	0.04	-12.29
3,896.0	0.60	1.30	3,895.9	0.5	-0.8	-0.5	0.11	0.02	-11.90
3,992.0	0.80	36.80	3,991.9	1.6	-0.3	-1.6	0.49	0.21	36.98
4,087.0	0.60	65.50	4,086.9	2.3	0.5	-2.3	0.42	-0.21	30.21
4,182.0	0.70	56.30	4,181.9	2.8	1.4	-2.8	0.15	0.11	-9.68
4,214.0	0.60	55.70	4,213.9	3.0	1.7	-3.0	0.31	-0.31	-1.88
4,246.0	1.70	160.40	4,245.9	2.7	2.0	-2.6	6.07	3.44	327.19
4,277.0	4.20	169.80	4,276.8	1.1	2.4	-1.1	8.19	8.06	30.32
4,309.0	6.50	175.30	4,308.7	-1.8	2.8	1.9	7.36	7.19	17.19
4,341.0	8.20	174.90	4,340.4	-5.9	3.1	6.0	5.31	5.31	-1.25
4,373.0	10.30	176.30	4,372.0	-11.0	3.5	11.1	6.60	6.56	4.38
4,404.0	12.60	178.60	4,402.4	-17.2	3.8	17.3	7.56	7.42	7.42
4,436.0	15.20	180.30	4,433.4	-24.9	3.8	25.0	8.22	8.13	5.31
4,468.0	18.30	181.30	4,464.1	-34.1	3.7	34.2	9.73	9.69	3.13
4,500.0	20.80	181.40	4,494.2	-44.8	3.4	44.9	7.81	7.81	0.31
4,531.0	22.50	181.70	4,523.0	-56.2	3.1	56.3	5.50	5.48	0.97
4,563.0	24.20	181.40	4,552.4	-68.9	2.8	69.0	5.33	5.31	-0.94
4,595.0	26.50	180.70	4,581.3	-82.6	2.5	82.6	7.25	7.19	-2.19
4,627.0	28.10	179.90	4,609.8	-97.3	2.5	97.3	5.13	5.00	-2.50
4,658.0	29.30	179.90	4,637.0	-112.2	2.5	112.2	3.87	3.87	0.00
4,690.0	31.00	180.60	4,664.6	-128.2	2.4	128.3	5.42	5.31	2.19
4,722.0	33.50	180.60	4,691.7	-145.3	2.2	145.3	7.81	7.81	0.00
4,754.0	35.20	179.90	4,718.1	-163.4	2.2	163.4	5.45	5.31	-2.19
4,785.0	36.60	179.90	4,743.2	-181.6	2.2	181.6	4.52	4.52	0.00
4,817.0	38.90	178.90	4,768.5	-201.1	2.4	201.1	7.44	7.19	-3.13
4,849.0	41.40	178.50	4,793.0	-221.8	2.9	221.8	7.85	7.81	-1.25
4,881.0	43.00	179.10	4,816.7	-243.3	3.3	243.3	5.16	5.00	1.88
4,912.0	45.20	179.40	4,839.0	-264.8	3.6	264.8	7.13	7.10	0.97
4,944.0	48.30	179.60	4,860.9	-288.1	3.8	288.1	9.70	9.69	0.63
4,976.0	50.50	178.40	4,881.7	-312.4	4.2	312.4	7.44	6.88	-3.75
5,007.0	50.50	178.10	4,901.4	-336.3	5.0	336.4	0.75	0.00	-0.97

Wolverine Directional, LLC

Survey Report

Company:	SandRidge Energy	**Local Co-ordinate Reference:**	Well Larry 1-30H
Project:	Comanche County (KS27S)	**TVD Reference:**	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 30-T31S-R19W	**MD Reference:**	WELL @ 0.0ft (Original Well Elev)
Well:	Larry 1-30H	**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)
5,039.0	50.30	177.80	4,921.8	-361.0	5.8	361.0	0.96	-0.63	-0.94
5,071.0	50.00	177.30	4,942.3	-385.5	6.9	385.6	1.52	-0.94	-1.56
5,103.0	49.80	177.10	4,962.9	-410.0	8.1	410.0	0.79	-0.63	-0.63
5,134.0	49.50	176.80	4,983.0	-433.6	9.3	433.7	1.22	-0.97	-0.97
5,166.0	49.50	176.70	5,003.8	-457.8	10.7	458.0	0.24	0.00	-0.31
5,198.0	52.00	176.90	5,024.0	-482.6	12.1	482.7	7.83	7.81	0.63
5,230.0	55.30	177.80	5,043.0	-508.3	13.3	508.5	10.56	10.31	2.81
5,261.0	58.90	178.70	5,059.8	-534.3	14.1	534.5	11.87	11.61	2.90
5,293.0	62.00	178.90	5,075.6	-562.2	14.7	562.4	9.70	9.69	0.63
5,325.0	64.50	178.40	5,090.0	-590.7	15.3	590.9	7.94	7.81	-1.56
5,356.0	67.50	178.20	5,102.6	-619.0	16.2	619.2	9.70	9.68	-0.65
5,388.0	69.90	177.50	5,114.2	-648.8	17.3	649.1	7.77	7.50	-2.19
5,420.0	72.80	177.80	5,124.5	-679.1	18.5	679.4	9.11	9.06	0.94
5,452.0	76.10	178.10	5,133.1	-709.9	19.6	710.2	10.35	10.31	0.94
5,483.0	79.20	178.90	5,139.7	-740.2	20.4	740.5	10.31	10.00	2.58
5,515.0	81.30	179.80	5,145.1	-771.7	20.8	772.0	7.12	6.56	2.81
5,604.0	84.90	179.90	5,155.8	-860.1	21.0	860.3	4.05	4.04	0.11
5,635.0	86.80	179.90	5,158.0	-891.0	21.1	891.2	6.13	6.13	0.00
5,665.0	88.50	180.10	5,159.3	-921.0	21.1	921.2	5.71	5.67	0.67
5,696.0	89.10	180.30	5,159.9	-951.9	21.0	952.2	2.04	1.94	0.65
5,726.0	90.30	180.40	5,160.1	-981.9	20.8	982.2	4.01	4.00	0.33
5,757.0	90.70	180.60	5,159.8	-1,012.9	20.5	1,013.2	1.44	1.29	0.65
5,849.0	91.60	181.10	5,158.0	-1,104.9	19.2	1,105.1	1.12	0.98	0.54
5,940.0	91.30	177.90	5,155.7	-1,195.9	19.9	1,196.0	3.53	-0.33	-3.52
6,032.0	89.50	176.90	5,155.0	-1,287.8	24.1	1,288.0	2.24	-1.96	-1.09
6,124.0	90.70	177.10	5,154.8	-1,379.6	28.9	1,379.9	1.32	1.30	0.22
6,217.0	89.70	177.40	5,154.5	-1,472.5	33.4	1,472.9	1.12	-1.08	0.32
6,309.0	88.70	176.00	5,155.8	-1,564.4	38.7	1,564.8	1.87	-1.09	-1.52
6,399.0	88.40	176.80	5,158.1	-1,654.2	44.3	1,654.7	0.95	-0.33	0.89
6,492.0	88.60	177.20	5,160.5	-1,747.0	49.2	1,747.7	0.48	0.22	0.43
6,584.0	88.90	177.10	5,162.5	-1,838.9	53.8	1,839.6	0.34	0.33	-0.11
6,676.0	90.00	177.50	5,163.4	-1,930.8	58.1	1,931.6	1.27	1.20	0.43
6,772.0	90.80	176.90	5,162.7	-2,026.6	62.8	2,027.5	1.04	0.83	-0.63
6,867.0	90.60	177.00	5,161.6	-2,121.5	67.9	2,122.5	0.24	-0.21	0.11
6,962.0	87.20	178.70	5,163.4	-2,216.4	71.4	2,217.4	4.00	-3.58	1.79
7,057.0	88.40	178.60	5,167.1	-2,311.3	73.7	2,312.4	1.27	1.26	-0.11
7,152.0	89.20	179.10	5,169.0	-2,406.3	75.6	2,407.3	0.99	0.84	0.53
7,248.0	89.40	178.20	5,170.2	-2,502.2	77.8	2,503.3	0.96	0.21	-0.94
7,344.0	89.70	178.10	5,171.0	-2,598.2	80.9	2,599.3	0.33	0.31	-0.10
7,439.0	90.30	177.20	5,171.0	-2,693.1	84.8	2,694.3	1.14	0.63	-0.95
7,535.0	89.80	178.90	5,170.9	-2,789.0	88.1	2,790.3	1.85	-0.52	1.77
7,630.0	90.40	178.40	5,170.7	-2,884.0	90.3	2,885.3	0.82	0.63	-0.53
7,726.0	90.30	178.10	5,170.1	-2,980.0	93.3	2,981.3	0.33	-0.10	-0.31
7,821.0	90.20	177.80	5,169.7	-3,074.9	96.7	3,076.3	0.33	-0.11	-0.32
7,917.0	89.40	179.20	5,170.1	-3,170.9	99.2	3,172.3	1.68	-0.83	1.46
8,013.0	89.20	178.70	5,171.2	-3,266.8	100.9	3,268.3	0.56	-0.21	-0.52
8,108.0	89.80	178.40	5,172.1	-3,361.8	103.3	3,363.3	0.71	0.63	-0.32
8,204.0	89.50	178.10	5,172.6	-3,457.8	106.3	3,459.3	0.44	-0.31	-0.31
8,300.0	90.70	178.20	5,172.5	-3,553.7	109.4	3,555.2	1.25	1.25	0.10
8,395.0	90.90	178.10	5,171.1	-3,648.6	112.4	3,650.2	0.24	0.21	-0.11
8,491.0	92.60	179.00	5,168.2	-3,744.6	114.9	3,746.2	2.00	1.77	0.94
8,587.0	92.00	178.30	5,164.4	-3,840.5	117.1	3,842.1	0.96	-0.63	-0.73
8,683.0	90.60	177.50	5,162.2	-3,936.4	120.6	3,938.1	1.68	-1.46	-0.83
8,778.0	87.30	177.10	5,163.9	-4,031.2	125.1	4,033.0	3.50	-3.47	-0.42

Wolverine Directional, LLC

Survey Report

Company:	SandRidge Energy	**Local Co-ordinate Reference:**	Well Larry 1-30H
Project:	Comanche County (KS27S)	**TVD Reference:**	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 30-T31S-R19W	**MD Reference:**	WELL @ 0.0ft (Original Well Elev)
Well:	Larry 1-30H	**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)
8,874.0	86.90	175.40	5,168.8	-4,126.9	131.4	4,128.8	1.82	-0.42	-1.77
8,970.0	90.10	178.00	5,171.3	-4,222.7	136.9	4,224.7	4.29	3.33	2.71
9,065.0	88.80	175.20	5,172.2	-4,317.5	142.5	4,319.6	3.25	-1.37	-2.95
9,161.0	88.70	174.30	5,174.3	-4,413.1	151.3	4,415.3	0.94	-0.10	-0.94
9,256.0	89.40	177.80	5,175.9	-4,507.8	157.9	4,510.2	3.76	0.74	3.68
9,352.0	88.70	179.00	5,177.5	-4,603.8	160.5	4,606.2	1.45	-0.73	1.25
9,448.0	87.60	179.20	5,180.6	-4,699.7	162.0	4,702.1	1.16	-1.15	0.21
9,478.0	86.60	178.70	5,182.1	-4,729.7	162.6	4,732.1	3.73	-3.33	-1.67
Last MWD Survey									
9,524.5	86.60	178.70	5,184.8	-4,776.1	163.6	4,778.5	0.00	0.00	0.00
Larry 1-30H PBHL									
9,527.0	86.60	178.70	5,185.0	-4,778.6	163.7	4,781.0	0.00	0.00	0.00
Proj to TD									

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
1,039.0	1,039.0	2.2	-5.0	First MWD Survey
9,478.0	5,182.1	-4,729.7	162.6	Last MWD Survey
9,527.0	5,185.0	-4,778.6	163.7	Proj to TD

Checked By: _____ Approved By: _____ Date: _____

American Measurement Services

A Limited Liability Company
Ames, Oklahoma

Station Number:	KS03R0027
Producer:	SANDRIDGE ENERGY
Lease:	LARRY 1-30H
Sample Pressure:	81.3
Sample Temperature:	65.4
Cylinder Number:	8377
Analysis By:	AMS
Date Sampled:	4/12/2012
Analysis Run Date:	4/12/2012

Gas Components	*Mole Percent*	*GPM*
Methane	88.693	
Ethane	3.402	0.9042
Propane	0.615	0.1685
IButane	0.197	0.0640
NButane	0.268	0.0839
IPentan	0.141	0.0514
NPentan	0.090	0.0325
C6 +	0.378	0.1639
Nitrogen	5.598	
CO2	0.619	
	100.00%	1.4684

BTU @ 14.65 @ 60 F - Real

Dry	1014.4
Wet	996.6
Specific Gravity - Real	0.6280
Z =	0.9977

Gasoline Content

Propane And Heavier	0.5642
Butane And Heavier	0.3957
Pentane And Heavier	0.2478

H2S Field Test: .5 PPM

Field Remarks: FIRST SALES

Analysis Based Upon GPA 2145, 2172, And 2261

EDGE SERVICES
580-254-3216
Woodward, OK

INVOICE

DATE	INVOICE #
2/28/2012	2971

BILL TO
SANDRIDGE ENERGY, INC. ATTN: PURCHASING MANAGER 123 ROBERT S. KERR AVENUE OKLAHOMA CITY, OK 73102

REMIT TO
EDGE SERVICES, INC. BILLING DEPARTMENT PO BOX 14201 OKLAHOMA CITY, OK 73113

STARTING D...	WORK ORDER	RIG NUMBER	LEASE NAME	Terms
2/27/2012	WO #2412	LARIAT 38	LARRY 1-30 H	Due on rec...

Description	Amount
DRILLED 90' OF 30" CONDUCTOR HOLE DRILLED 6' OF 76" HOLE & SET 6' x 6' TINHORN CELLAR FURNISHED 90' OF 20" CONDUCTOR PIPE FURNISHED MUD, WATER, AND TRUCKING FURNISHED WELDER AND MATERIALS FURNISHED GROUT - 9 YARD OF GRADE A CEMENT FURNISHED GROUT PUMP DRILL MOUSE HOLE - 80' OF 16" PIPE FOR MOUSE HOLE	
TOTAL BID $	24,650.00
Thank you for your business.	**TOTAL** $24,650.00

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK1272	03/05/12

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Oklahoma	Sandridge Exp and Production	Roger Barber

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Larry	1-30H	Surface	Johnny Breeze

EMP NAME							
Johnny Breeze							
Daniel Wells							
Flo Helkena							
Scott Woods							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 1000

	Called Out	On Location	Job Started	Job Completed
Date	3/5/2012	3/5/2012	3/5/2012	3/5/2012
Time	05:00	11:30	16:56	18:30

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	991	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 9	Lb/Gal	
Disp. Fluid	Fresh Water	Density 8.33	Lb/Gal	
Spacer type	resh Wate	BBL. 10	8.33	
Spacer type		BBL.		
Acid Type		Gal.	%	
Acid Type		Gal.	%	
Surfactant		Gal.	In	
NE Agent		Gal.	In	
Fluid Loss		Gal/Lb	In	
Gelling Agent		Gal/Lb	In	
Fric. Red.		Gal/Lb	In	
MISC.		Gal/Lb	In	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

Hours On Location

Date	Hours
3/5	6.0
Total	6.0

Operating Hours

Date	Hours
3/5	4.0
Total	4.0

Description of Job

Surface

Pressures

MAX 1,500 PSI AVG. 200

Average Rates in BPM

MAX 8 BPM AVG 5

Cement Left in Pipe

Feet 42 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	440	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:	BBl	10.00	Type: FRESH WATER
Breakdown		MAXIMUM	1,600 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl	80	Calc.Disp Bbl 73
		Actual TOC	SURFACE	Calc. TOC:		SURFACE	Actual Disp. 73.00
Average		Bump Plug PSI:	980	Final Circ.	PSI:	350	Disp:Bbl
ISIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBl	182.0	
				Total Volume	BBl	265.02	

CUSTOMER REPRESENTATIVE _____ SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK1288	03/12/12

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	Sandridge Exp and Prod	Roger Barber

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Larry	1-30H	Intermediate	Johnny Breeze

EMP NAME
Johnny Breeze
Scott Woods
Flo Helkena
Emmit Brock

Form. Name _____ Type: _____

Packer Type _____ Set At 4,111'

Bottom Hole Temp. 0 Pressure _____

Retainer Depth _____ Total Depth 5,415'

	Called Out	On Location	Job Started	Job Completed
Date	3/11/2012	3/11/2012	3/12/2012	3/12/2012
Time	0800	1330	0229	0430

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		26.0	7		Surface	5,573	5,000
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			8 3/4"		Surface	5,568	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density 9.1	Lb/Gal	
Disp. Fluid	Fresh Water	Density 8.33	Lb/Gal	
Spacer type	resh Wate	BBL. 20		8.33
Spacer type	Caustic	BBL. 10		8.40
Acid Type		Gal.	%	
Acid Type		Gal.	%	
Surfactant		Gal.	In	
NE Agent		Gal.	In	
Fluid Loss		Gal/Lb	In	
Gelling Agent		Gal/Lb	In	
Fric. Red.		Gal/Lb	In	
MISC.		Gal/Lb	In	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

Hours On Location

Date	Hours
3/11	15.0
Total	15.0

Operating Hours

Date	Hours
3/11	4.0
Total	4.0

Description of Job

Intermediate

Pressures

MAX 5000 AVG. 300

Average Rates in BPM

MAX 8 AVG 5

Cement Left in Pipe

Feet 91 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives		W/Rq.	Yield	Lbs/Gal
1	200	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	0.00
3	0	0		0	0.00	0.00	0.00

Summary

Preflush	10	Type:	CAUSTIC	Preflush:	BBl	20.00	Type: FRESH WATER
Breakdown		MAXIMUM	5,000 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl	N/A	Calc.Disp Bbl 210
		Actual TOC	4,245	Calc. TOC:		4,245	Actual Disp. 210.00
Average		Bump Plug PSI:	980	Final Circ.	PSI:	540	Disp:Bbl
ISIP _____ 5 Min. _____		10 Min _____	15 Min _____	Cement Slurry:	BBl	51.3	
				Total Volume	BBl	281.29	

CUSTOMER REPRESENTATIVE _____ SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK1316	03/21/12

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	KANSAS	Sandridge Exp and Prod	Felix Ortiz Jr.

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Larry	1-30H	Misc Pumping	Louis Arney

EMP NAME

Louis Arney							
Jason Jones							
Cheryl Newton							

Form. Name _____ Type: _____

Packer Type _____ Set At 5,568'

Bottom Hole Temp. 0 Pressure _____

Retainer Depth _____ Total Depth 9,527'

	Called Out	On Location	Job Started	Job Completed
Date	3/20/2012	3/21/2012	3/21/2012	3/21/2012
Time	23:00	08:00	16:55	18:55

Tools and Accessories

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

Well Data

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing		11.6#	4 1/2"	Surface	9,527'	2,000
Liner						
Liner						
Tubing						
Drill Pipe						
Open Hole			6 1/8"	Surface	9,527'	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density	8.6	Lb/Gal	
Disp. Fluid	Fresh Water	Density	8.33	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					
Other					

Hours On Location

Date	Hours
3/21	11.0
Total	11.0

Operating Hours

Date	Hours
3/21	2.0
Total	2.0

Description of Job

Misc Pumping

Pressures

MAX 2,000 PSI AVG. 1500

Average Rates in BPM

MAX 5 BPM AVG 4

Cement Left in Pipe

Feet 0 Reason

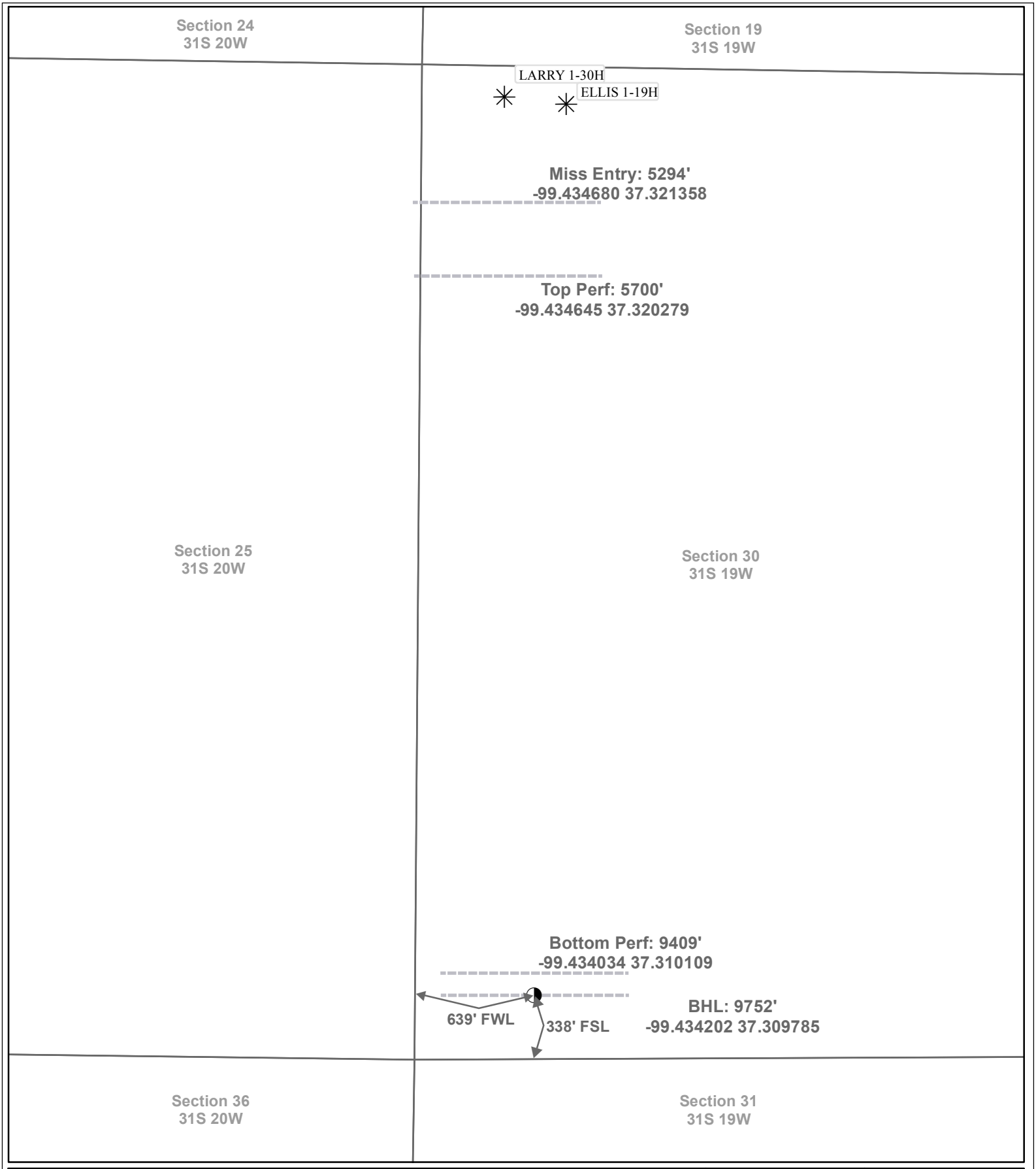
Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	0	0	0	0.00	0.00	0.00
2	0	0	0	0.00	0.00	0.00
3	0	0	0	0.00	0.00	0.00

Summary

Preflush		Type:		Preflush:	BBl	0.00	Type: 0
Breakdown		MAXIMUM		Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N		Excess /Return	BBl	N/A	Calc.Disp Bbl 0
		Actual TOC		Calc. TOC:		N/A	Actual Disp. 0.00
Average		Frac. Gradient		Treatment:	Gal - BBl		Disp:Bbl
ISIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBl	0.0	
				Total Volume	BBl	0.00	

CUSTOMER REPRESENTATIVE _____ SIGNATURE



SANDRIDGE
THE POWER OF US

Actual BH Location

SandRidge Wells

Perf

Sections

Actual Bottom-Hole Location of Larry 1-30H
Comanche County, Kansas
T&R: 31S 19W
Section: 31, 639' FWL & 338' FSL
Long/Lat: -99.434202 37.309785

1 in = 667 ft

0 500 1,000 2,000 Feet

N

Draftsman: Aaron Birk	Draft Date: 6/18/2012
Drawing Name/Number: Addendum_Larry_1-30H.mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	