Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1230549

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: Wanda Ledbetter
Phone: (405) 429-5500
CONTRACTOR: License # 34464
Name: Lariat Services, Inc. dba Chaparral, Drilling, Fluids
Wellsite Geologist: Hanna Thornberg
Purchaser: Atlas = Gas & Plains = Oil

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☑ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

7/11/2014	8/25/2014	9/17/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-077-22068-01-00
Spot Description:
SE - SE - SW - SE Sec. 15 Twp. 33 S. R. 6 ☐ East ☑ West
265 Feet from ☐ North / ☑ South Line of Section
1430 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: Harper
Lease Name: Eve 3306 Well #: 1-22H
Field Name:
Producing Formation: Mississippi
Elevation: Ground: 1335 Kelly Bushing: 1353
Total Vertical Depth: 4508 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 307 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: 12000 ppm Fluid volume: 120 bbls
Dewatering method used: Evaporated

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: 11/06/2014
☑ **Confidential Release Date:** 11/21/2016
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ I ☐ II ☐ III **Approved by:** NAOMI JAMES **Date:** 11/13/2014

[redacted] 1230549

Operator Name: SandRidge Exploration and Production LLC Lease Name: Eve 3306 Well #: 1-22H

Sec. 15 Twp. 33 S. R. 6 ☐ East ☑ West County: Harper

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:

Array Induction
Dual Spaced Neutron Spectral Density

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

Name	Top	Datum
Base Heebner	3213	-1857
Lansing	3569	-2213
Cottage Grove	3824	-2468
Oswego	4149	-2793
Cherokee	4270	-2914
Verdigris	4288	-2932
Miss Unconformity	4451	-3095

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	80	Grout	10	see report
Surface	12.25	9.623	36	307	Class A	215	see report
Intermediate	8.75	7	26	5159	Class A 50:50 POZ	340	see report

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
2	see attached	Fresh slickwater and Acid-NEFE HCl 15% Frac	5230-9546

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

Date of First, Resumed Production, SWD or ENHR. 10/3/2014

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	300	640	2500		

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: 5230-9548

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Eve 3306 1-22H
Doc ID	1230549

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	30	20	75	80	Grout	10	see report
Surface	12.25	9.623	36	307	Class A	215	see report
Intermediate	8.75	7	26	5159	Class A 50:50 POZ	340	see report

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	9/8/2014
Job End Date:	9/8/2014
State:	Kansas
County:	Harper
API Number:	15-077-22068-01-00
Operator Name:	SandRidge Energy
Well Name and Number:	Eve 3306 #1-22H
Longitude:	-97.95266000
Latitude:	37.16785700
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	4,473
Total Base Water Volume (gal):	3,066,294
Total Base Non Water Volume:	0

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Well Operator	Carrier/Base Fluid					
			Water	7732-18-5	100.00000	95.64833	None
40/70 Premium Preferred Sand	Cimarron Acid	Proppant, Scouring, Fill					
			Crystalline Silica (quartz)	14808-60-7	100.00000	2.47454	None
15% Unihibited HCl Acid	Cimarron Acid	Etching, Dissolving, Cleaning					
			Water	7732-18-5	85.00000	0.79808	None
			Hydrochloric Acid	7647-01-0	15.00000	0.14084	None
			Water	7732-18-5	24.00000	0.00019	None
			Methanol	67-56-1	9.00000	0.00007	None
			Ethoxylated Nonylphenol	68412-54-4	8.40000	0.00007	None
			Ethylene Glycol	107-21-1	8.40000	0.00007	None
			Tar Bases-quinoline derivs-benzyl chloride/quaternized	72480-70-7	8.40000	0.00007	None
			N-Dimethyformamide	68-12-2	8.40000	0.00007	None
			2-Butoxyethanol	111-76-2	8.40000	0.00007	None
			Triethyl Phosphate	78-40-0	8.40000	0.00007	None
			Isopropyl Alchohol	67-63-0	8.40000	0.00007	None
			Cinnamaldehyde	104-55-2	8.40000	0.00007	None

40/70 Resin Coated Sand	Cimarron Acid	Proppant, Scouring, Fill					
			Crystalline Silica (quartz)	14808-60-7	97.00000	0.80066	None
Iron Control, Sodium Erythorbate	Cimarron Acid	Iron Control					
			Water	7732-18-5	55.50000	0.02493	None
			Methanol	67-56-1	12.70000	0.00572	None
			Nonylphenal Polyethylene Glycol Ether	127087-87-0	9.10000	0.00409	None
			Poly(ethlene Oxide)	25322-68-3	9.10000	0.00409	None
			Dinanylphenyl Polyoxyethylene	201602-88-2	9.10000	0.00409	None
			Isopropanol	67-63-0	4.60000	0.00205	None
			Sodium Erythorbate	6381-77-7	100.00000	0.00031	None
			Water	7732-18-5	54.50000	0.00023	None
			Isopropanol	67-63-0	13.60000	0.00006	None
			Polyglycol Ethers	52624-57-4	13.60000	0.00006	None
			Glycol Ether EB	111-76-2	9.00000	0.00004	None
			Methanol	67-56-1	9.00000	0.00004	None
FR-986, Cationic Friction Reducer	Cimarron Acid	Friction Reducer					
			Water	7732-18-5	50.00000	0.00500	None
			Hydrochloric Acid	7647-01-0	16.80000	0.00168	None
			Phosphoric Acid	7664-38-2	16.80000	0.00168	None
			Petroleum Hydrotreated Light Distillate	64742-47-8	2.50000	0.00141	None
			Ethylene Glycol	107-21-1	12.70000	0.00127	None
			Methanol	67-56-1	3.60000	0.00036	None

Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.

* Total Water Volume sources may include fresh water, produced water, and/or recycled water
** Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.
Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

Sandridge Energy

DrillRight TECHNOLOGY, INC.

SandRidge ENERGY

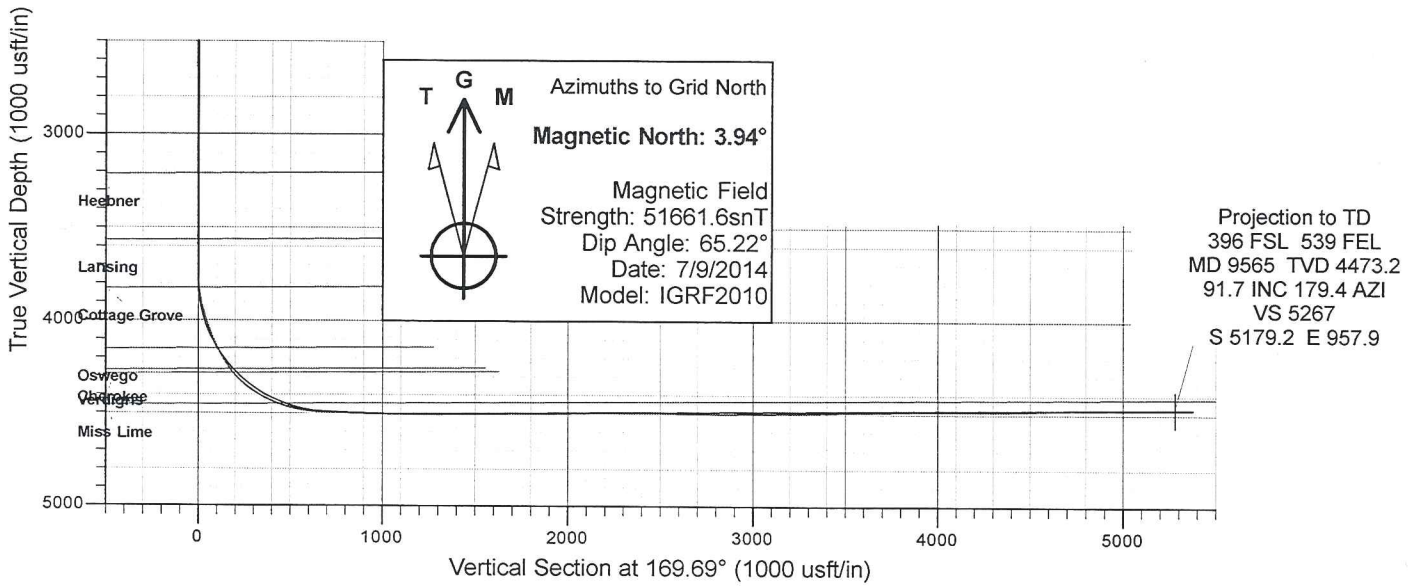
Project: Harper County (NAD-27)
Site: Sec 15-T33S-R06W
Well: Eve 3306 1-22H/ Lariat 20
Plan: Plan 070914A0 (Eve 3306 1-22H/ Lariat 20/Wellbore #1)

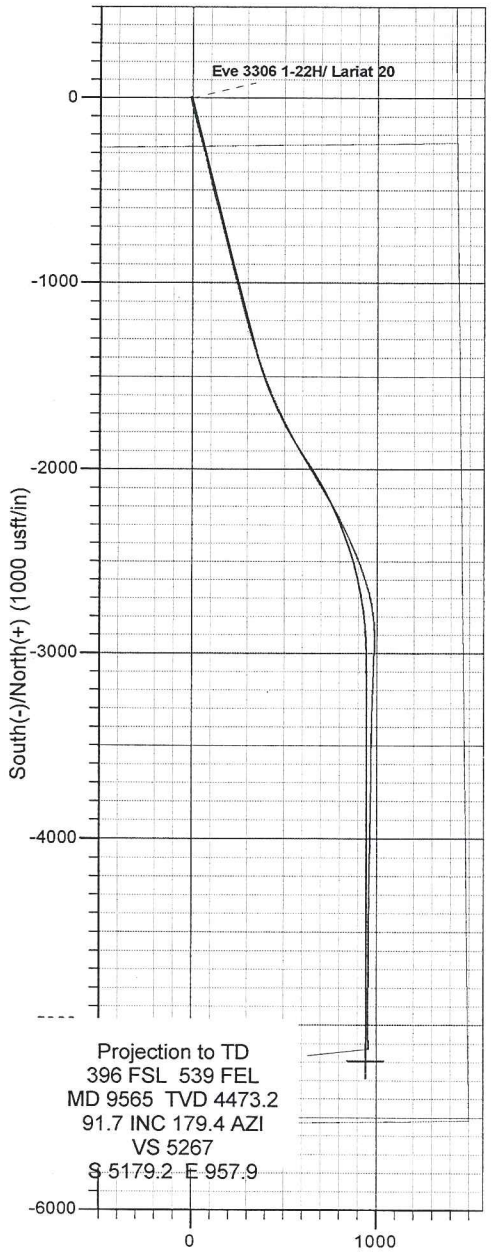
WELL DETAILS: Eve 3306 1-22H/ Lariat 20

Ground Level:	1335.0		
Northing	Easting	Latittude	Longitude
182961.00	2159493.00	37° 10' 4.288 N	97° 57' 9.605 W

SECTION DETAILS

	Inc	Azi	MD	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.0	
3778.1	0.00	0.00	3778.1	0.0	0.0	0.0	0.00	0.00	0.0	Start Build 8.00
4878.1	88.00	166.00	4493.9	-670.7	167.2	8.00	166.00	689.8		Start 275.0 hold at 4878.1 MD
5153.1	88.00	166.00	4503.5	-937.3	233.7	0.00	0.00	964.0		Start DLS 8.00 TFO -22.63
5185.6	90.40	165.00	4503.9	-968.8	241.8	8.00	-22.63	996.4		Landing Point
5585.6	90.40	165.00	4501.1	-1355.2	345.4	0.00	0.00	1395.1		Start DLS 3.00 TFO -89.94
6180.6	90.40	147.15	4496.9	-1896.8	585.7	3.00	-89.94	1971.0		Start Turn 0.00
6280.6	90.40	147.15	4496.2	-1980.8	639.9	0.00	0.00	2063.4		Start Turn 3.00
7375.9	90.40	180.01	4488.4	-3017.1	945.3	3.00	89.88	3137.6		Start DLS 0.00 TFO -113.84
9553.9	90.40	180.01	4473.2	-5195.0	945.0	0.00	-113.83	5280.3		TD at 9553.9





DrillRight TECHNOLOGY, INC.

Survey Report

DRT Job # : DR1408179

		Customer Rep	Position	Directional Driller	MWD Operator
Company:	Sandridge			Mike Foster	George Hunt
Well Name:	Eve 1-22H				
Legals:	Sec: 15 Township: 33S			Scott Graham	darryle davenport
County/State:	Harper KS				Charlie Minyard
Rig Name:	Lariat 20				

Eve 1-22H Surveys

Type	M Depth	Incl.	Azimuth	TVD	North	East	V Section	Dogleg	B Rate	T Rate	Clos Azi	Clos Dist
TieInPoint	0	0	0	0	0	0	0	0	0	0	0	0
Survey	414	0.4	335.6	414	1.32	-0.6	-1.41	0.1	0.1	5.89	335.56	1.45
Survey	686	0.4	337.9	685.99	3.06	-1.35	-3.25	0.01	0	0.85	336.19	3.34
Survey	961	0.2	331.6	960.99	4.38	-1.94	-4.66	0.07	0.07	2.29	336.11	4.79
Survey	1234	0.4	293.8	1233.99	5.18	-3.04	-5.64	0.1	0.07	13.85	329.59	6.01
Survey	1511	0.7	218.2	1510.98	4.24	-4.97	-5.06	0.26	0.11	27.29	310.47	6.53
Survey	1794	0.3	295.2	1793.97	3.2	-6.71	-4.35	0.25	0.14	27.21	295.5	7.43
Survey	2077	0.4	262.7	2076.96	3.39	-8.36	-4.83	0.08	0.04	11.48	292.07	9.02
Survey	2362	0.3	275.2	2361.95	3.33	-10.09	-5.08	0.04	0.04	4.39	288.26	10.63
Survey	2645	0.2	215.5	2644.95	3	-11.11	-4.94	0.09	0.04	21.1	285.11	11.51
Survey	2929	0.3	126	2928.95	2.16	-10.8	-4.06	0.13	0.04	31.51	281.31	11.01
Survey	3212	0.4	92.7	3211.94	1.68	-9.21	-3.3	0.08	0.04	11.77	280.34	9.36
Survey	3495	0.3	264.7	3494.94	1.56	-8.96	-3.14	0.25	0.04	60.78	279.88	9.09
Survey	3778	1.9	165.1	3777.89	-3.04	-8.49	1.47	0.7	0.57	35.19	250.3	9.02
Survey	3809	4.2	163.5	3808.84	-4.63	-8.04	3.12	7.42	7.42	5.16	240.06	9.28
Survey	3841	7.3	162.7	3840.68	-7.69	-7.1	6.3	9.69	9.69	2.5	222.72	10.47
Survey	3873	10.1	162.5	3872.31	-12.31	-5.65	11.1	8.75	8.75	0.62	204.65	13.54
Survey	3904	12.8	167.4	3902.69	-18.25	-4.08	17.23	9.25	8.71	15.81	192.6	18.7
Survey	3936	15	170	3933.75	-25.79	-2.59	24.91	7.15	6.88	8.13	185.73	25.92
Survey	3967	17.3	170.4	3963.53	-34.29	-1.12	33.54	7.43	7.42	1.29	181.87	34.31
Survey	3999	17.9	169.1	3994.03	-43.81	0.6	43.21	2.24	1.88	4.06	179.22	43.81
Survey	4030	19.4	166.6	4023.4	-53.49	2.7	53.11	5.48	4.84	8.06	177.11	53.56
Survey	4061	21.3	165.1	4052.46	-63.94	5.34	63.86	6.36	6.13	4.84	175.23	64.16
Survey	4093	22.6	164.6	4082.14	-75.49	8.47	75.79	4.1	4.06	1.56	173.6	75.96
Survey	4124	23.2	164.8	4110.7	-87.12	11.65	87.8	1.95	1.94	0.65	172.38	87.9
Survey	4156	25	166.2	4139.91	-99.77	14.92	100.83	5.9	5.63	4.37	171.49	100.88
Survey	4187	27	167.7	4167.77	-113.01	17.98	114.4	6.79	6.45	4.84	170.96	114.43
Survey	4219	29.6	166.6	4195.94	-127.8	21.36	129.56	8.29	8.12	3.44	170.51	129.57
Survey	4250	32.1	165.5	4222.55	-143.22	25.2	145.42	8.27	8.06	3.55	170.02	145.42
Survey	4282	35.1	164.7	4249.2	-160.33	29.75	163.07	9.48	9.37	2.5	169.49	163.07
Survey	4313	38.4	163.3	4274.04	-178.16	34.87	181.52	10.98	10.65	4.52	168.93	181.54
Survey	4345	41.7	163.5	4298.53	-197.89	40.76	201.99	10.32	10.31	0.62	168.36	202.04
Survey	4377	45.1	163.7	4321.78	-218.98	46.96	223.85	10.63	10.63	0.62	167.9	223.96
Survey	4408	48.7	164.5	4342.96	-240.75	53.16	246.38	11.76	11.61	2.58	167.55	246.55
Survey	4440	52.2	165.5	4363.33	-264.58	59.54	270.96	11.2	10.94	3.13	167.32	271.2
Survey	4471	55.3	166.2	4381.66	-288.82	65.64	295.9	10.16	10	2.26	167.2	296.19
Survey	4503	58.9	166.3	4399.04	-314.91	72.02	322.72	11.25	11.25	0.31	167.12	323.04
Survey	4535	62	167	4414.82	-342	78.45	350.52	9.87	9.69	2.19	167.08	350.88
Survey	4567	64.9	167.3	4429.12	-369.9	84.81	379.11	9.1	9.06	0.94	167.09	379.5
Survey	4598	67.4	167.4	4441.65	-397.56	91.02	407.43	8.07	8.06	0.32	167.1	407.85
Survey	4629	69.5	167.1	4453.04	-425.68	97.38	436.24	6.83	6.77	0.97	167.11	436.68
Survey	4661	71.6	166.2	4463.69	-455.04	104.35	466.37	7.08	6.56	2.81	167.08	466.85
Survey	4692	74.7	165.6	4472.68	-483.81	111.58	495.97	10.17	10	1.94	167.01	496.51
Survey	4724	78.3	165.3	4480.15	-513.92	119.4	526.99	11.29	11.25	0.94	166.92	527.61
Survey	4756	81.1	165.2	4485.87	-544.37	127.41	558.38	8.76	8.75	0.31	166.83	559.08
Survey	4787	83.6	165	4490	-574.06	135.31	589.01	8.09	8.06	0.65	166.74	589.79
Survey	4818	85.6	165.6	4492.92	-603.91	143.14	619.78	6.73	6.45	1.94	166.67	620.64
Survey	4850	87.6	165.9	4494.81	-634.87	151	651.64	6.32	6.25	0.94	166.62	652.58
Survey	4881	87.9	165.8	4496.03	-664.91	158.58	682.56	1.02	0.97	0.32	166.59	683.56
Survey	4913	88.1	165.7	4497.15	-695.9	166.45	714.45	0.7	0.62	0.31	166.55	715.53
Survey	4944	88.1	165.6	4498.18	-725.92	174.13	745.36	0.32	0	0.32	166.51	746.51
Survey	4976	88	165.5	4499.27	-756.89	182.11	777.26	0.44	0.31	0.31	166.47	778.49
Survey	5007	88	165.4	4500.35	-786.87	189.89	808.15	0.32	0	0.32	166.43	809.46
Survey	5038	88.1	165.2	4501.4	-816.84	197.75	839.04	0.72	0.32	0.65	166.39	840.44
Survey	5069	88.1	165.4	4502.43	-846.81	205.62	869.94	0.64	0	0.65	166.35	871.42
Survey	5100	88	165.4	4503.49	-876.79	213.43	900.83	0.32	0.32	0	166.32	902.39
Survey	5142	88.4	165.5	4504.81	-917.42	223.98	942.69	0.98	0.95	0.24	166.28	944.37
Survey	5174	88.8	166.1	4505.59	-948.43	231.83	974.61	2.25	1.25	1.87	166.26	976.35
Survey	5268	90.6	166	4506.08	-1039.66	254.49	1068.42	1.92	1.91	0.11	166.25	1070.35
Survey	5362	91	164.6	4504.77	-1130.57	278.34	1162.13	1.55	0.43	1.49	166.17	1164.33
Survey	5457	89.2	164	4504.6	-1222.02	304.05	1256.71	2	1.89	0.63	166.03	1259.28
Survey	5552	89.4	163	4505.76	-1313.1	331.03	1351.14	1.07	0.21	1.05	165.85	1354.18
Survey	5646	89.8	161.4	4506.42	-1402.59	359.76	1444.33	1.75	0.43	1.7	165.61	1447.99
Survey	5740	90.9	159.6	4505.84	-1491.2	391.14	1537.13	2.24	1.17	1.91	165.3	1541.64
Survey	5832	91.8	158	4503.67	-1576.95	424.4	1627.44	1.99	0.98	1.74	164.94	1633.06
Survey	5924	90.2	154.6	4502.06	-1661.16	461.37	1716.91	4.08	1.74	3.7	164.48	1724.04
Survey	6015	89.8	153.1	4502.06	-1742.84	501.47	1804.45	1.71	0.44	1.65	163.95	1813.55
Survey	6107	91.2	152.3	4501.26	-1824.59	543.67	1892.43	1.75	1.52	0.87	163.41	1903.87

Survey	6197	90.6	150.1	4499.85	-1903.44	587.02	1977.77	2.53	0.67	2.44	162.86	1991.9
Survey	6288	90.5	148.9	4498.98	-1981.84	633.2	2063.17	1.32	0.11	1.32	162.28	2080.54
Survey	6379	91	148.4	4497.79	-2059.55	680.54	2148.1	0.78	0.55	0.55	161.71	2169.07
Survey	6470	90.9	149.4	4496.28	-2137.46	727.54	2233.16	1.1	0.11	1.1	161.2	2257.89
Survey	6562	90.3	150.8	4495.32	-2217.21	773.4	2319.83	1.66	0.65	1.52	160.77	2348.23
Survey	6654	89.4	153.9	4495.56	-2298.69	816.09	2407.63	3.51	0.98	3.37	160.45	2439.26
Survey	6745	88.6	156.5	4497.15	-2381.28	854.25	2495.72	2.99	0.88	2.86	160.27	2529.87
Survey	6836	88.4	157.8	4499.53	-2465.11	889.57	2584.52	1.44	0.22	1.43	160.16	2620.71
Survey	6927	89.7	160.6	4501.04	-2550.16	921.88	2673.98	3.39	1.43	3.08	160.13	2711.67
Survey	7019	89.9	164.1	4501.36	-2637.82	949.77	2765.21	3.81	0.22	3.8	160.2	2803.6
Survey	7110	90.4	168.7	4501.12	-2726.24	971.16	2856.03	5.08	0.55	5.05	160.39	2894.05
Survey	7204	90.8	174.4	4500.13	-2819.18	984.97	2949.94	6.08	0.43	6.06	160.74	2986.29
Survey	7299	90.2	180	4499.31	-2914.02	989.61	3044.08	5.93	0.63	5.89	161.24	3077.47
Survey	7393	90.1	182	4499.06	-3008	987.96	3136.25	2.13	0.11	2.13	161.82	3166.09
Survey	7487	91	182.3	4498.16	-3101.93	984.44	3228.03	1.01	0.96	0.32	162.39	3254.4
Survey	7582	92.2	182.2	4495.5	-3196.82	980.71	3320.73	1.27	1.26	0.11	162.95	3343.87
Survey	7675	92	182.3	4492.09	-3289.69	977.06	3411.44	0.24	0.22	0.11	163.46	3431.72
Survey	7770	89.6	181	4490.76	-3384.63	974.33	3504.36	2.87	2.53	1.37	163.94	3522.08
Survey	7864	90.2	180.4	4490.92	-3478.62	973.18	3596.63	0.9	0.64	0.64	164.37	3612.18
Survey	7959	91.3	180.2	4489.68	-3573.61	972.68	3689.99	1.18	1.16	0.21	164.77	3703.62
Survey	8053	90.1	180.6	4488.53	-3667.6	972.03	3782.35	1.35	1.28	0.43	165.16	3794.22
Survey	8147	91	180	4487.62	-3761.59	971.53	3874.73	1.15	0.96	0.64	165.52	3885.03
Survey	8241	90	180.8	4486.8	-3855.59	970.88	3967.1	1.36	1.06	0.85	165.87	3975.95
Survey	8336	90.8	180.3	4486.14	-3950.58	969.97	4060.39	0.99	0.84	0.53	166.21	4067.91
Survey	8429	90.2	181.6	4485.33	-4043.56	968.43	4151.6	1.54	0.65	1.4	166.53	4157.91
Survey	8523	89.1	181.8	4485.9	-4137.52	965.64	4243.54	1.19	1.17	0.21	166.86	4248.71
Survey	8617	90.1	181.3	4486.56	-4231.48	963.1	4335.53	1.19	1.06	0.53	167.18	4339.7
Survey	8712	91.3	181.2	4485.4	-4326.45	961.03	4428.59	1.27	1.26	0.11	167.48	4431.9
Survey	8806	90.6	180.5	4483.84	-4420.43	959.63	4520.81	1.05	0.74	0.74	167.75	4523.39
Survey	8900	91.8	180.3	4481.87	-4514.41	958.97	4613.15	1.29	1.28	0.21	168.01	4615.14
Survey	8994	91.8	179.3	4478.92	-4608.36	959.3	4705.64	1.06	0	1.06	168.24	4707.15
Survey	9088	91.8	180.2	4475.97	-4702.31	959.71	4798.15	0.96	0	0.96	168.46	4799.25
Survey	9183	90	181.1	4474.48	-4797.29	958.63	4891.4	2.12	1.89	0.95	168.7	4892.13
Survey	9277	89	180.4	4475.3	-4891.28	957.4	4983.65	1.3	1.06	0.74	168.93	4984.1
Survey	9371	89.7	180.1	4476.37	-4985.27	956.99	5076.05	0.81	0.74	0.32	169.13	5076.29
Survey	9466	91	179.8	4475.79	-5080.27	957.07	5169.53	1.4	1.37	0.32	169.33	5169.64
Survey	9515	91.7	179.4	4474.64	-5129.25	957.41	5217.78	1.65	1.43	0.82	169.43	5217.84
PrjCalcPnt	9565	91.7	179.4	4473.16	-5179.23	957.93	5267.05	0	0	0	169.52	5267.07

Eve 3306 1-22H

Perforations

(2 shots per foot)

Perforations			
Date	Top (ftKB)	Btm (ftKB)	Zone
9/9/2014	5,230.0	5,232.0	Miss Lime, Original Hole
9/9/2014	5,416.0	5,418.0	Miss Lime, Original Hole
9/9/2014	5,557.0	5,559.0	Miss Lime, Original Hole
9/9/2014	5,649.0	5,651.0	Miss Lime, Original Hole
9/9/2014	5,789.0	5,791.0	Miss Lime, Original Hole
9/9/2014	5,930.0	5,932.0	Miss Lime, Original Hole
9/9/2014	6,073.0	6,075.0	Miss Lime, Original Hole
9/9/2014	6,217.0	6,219.0	Miss Lime, Original Hole
9/9/2014	6,359.0	6,361.0	Miss Lime, Original Hole
9/9/2014	6,458.0	6,460.0	Miss Lime, Original Hole
9/9/2014	6,600.0	6,602.0	Miss Lime, Original Hole
9/9/2014	6,698.0	6,700.0	Miss Lime, Original Hole
9/9/2014	6,842.0	6,844.0	Miss Lime, Original Hole
9/9/2014	6,939.0	6,941.0	Miss Lime, Original Hole
9/9/2014	7,084.0	7,086.0	Miss Lime, Original Hole
9/9/2014	7,181.0	7,183.0	Miss Lime, Original Hole
9/9/2014	7,325.0	7,327.0	Miss Lime, Original Hole
9/9/2014	7,471.0	7,473.0	Miss Lime, Original Hole
9/9/2014	7,568.0	7,570.0	Miss Lime, Original Hole
9/9/2014	7,711.0	7,713.0	Miss Lime, Original Hole
9/9/2014	7,848.0	7,850.0	Miss Lime, Original Hole
9/9/2014	7,938.0	7,940.0	Miss Lime, Original Hole
9/9/2014	8,080.0	8,082.0	Miss Lime, Original Hole
9/9/2014	8,174.0	8,176.0	Miss Lime, Original Hole
9/8/2014	8,317.0	8,319.0	Miss Lime, Original Hole
9/8/2014	8,453.0	8,455.0	Miss Lime, Original Hole
9/8/2014	8,550.0	8,552.0	Miss Lime, Original Hole
9/8/2014	8,694.0	8,696.0	Miss Lime, Original Hole
9/8/2014	8,833.0	8,835.0	Miss Lime, Original Hole
9/8/2014	8,928.0	8,930.0	Miss Lime, Original Hole
9/8/2014	9,026.0	9,028.0	Miss Lime, Original Hole
9/8/2014	9,169.0	9,171.0	Miss Lime, Original Hole
9/8/2014	9,308.0	9,310.0	Miss Lime, Original Hole
9/8/2014	9,404.0	9,406.0	Miss Lime, Original Hole
9/8/2014	9,546.0	9,548.0	Miss Lime, Original Hole

1.0 Executive Summary

Allied Oil & Gas Services would like to thank you, for the award of the provision of cementing products and services on the well Eve #3306 2-22H Surface Casing.

A pre-job meeting was held to discuss job details, review the safety hazards, potential environmental impact and established emergency procedures.

Allied started the job testing lines to 1000 psi. After a successful test we began the job by pumping 10 bbls of preflush spacer. We then mixed and pumped the following cements:

46 Bbls (215 sacks) of 15.6 ppg Lead slurry:
Class A - 1.20 Yield
2%cc
¼# Floseal

The top plug was then released and displaced with 22.5 of fresh water. The plug bumped and pressured up to 800 psi. Pressure was released and floats held.

All real time data is shown on the graph in the attachment section.

Allied Oil & Gas Services remains committed to provide operational excellence and superior product performance. All comments and suggestions are greatly appreciated and help us to continue to provide this level of service.

Again we want to thank you for the opportunity to perform these and your future cementing & acidizing service needs.

ALLIED
OIL & GAS SERVICES, LLC

SandRidge Energy
Eve #3306 1-22H
Harper County, KS.

1.0 Executive Summary

Allied Oil & Gas Services would like to thank you for the award of the provision of cementing products and services on the well Eve #3306 1-22H Intermediate Casing.

A pre-job meeting was held to discuss job details, review the safety hazards, potential environmental impact and established emergency procedures.

Allied started the job testing lines to 3000 psi. After a successful test we began the job by pumping 30 bbls of preflush spacer. We then mixed and pumped the following cements:

60 Bbls (240 sacks) of 13.6 ppg Lead slurry:
50:50 Class A:Poz Blend - 1.4 Yield
2.0% Gel
0.4% FL-160
0.1% SA-51

21Bbls (100 sacks) of 15.6 ppg Tail slurry:
Class A - 1.18 Yield
0.8% FL-160
0.2% CD-31

The top plug was then released and displaced with 196 of fresh water. The plug bumped and pressured up to 1350 psi. Pressure was released and floats held.

All real time data is shown on the graph in the attachment section.

Allied Oil & Gas Services remains committed to provide operational excellence and superior product performance. All comments and suggestions are greatly appreciated and help us to continue to provide this level of service.

Again we want to thank you for the opportunity to perform these and your future cementing & acidizing service needs.

EDGE SERVICES
580-254-3216
Woodward, OK

INVOICE

DATE	INVOICE #
7/11/2014	4944

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

REMIT TO
EDGE SERVICES, INC. PO BOX 609 WOODWARD, OK 73802

COUNTY	STARTING D...	WORK ORDER	RIG NUMBER	LEASE NAME	Terms
HARPER, KS	7/11/2014	3739	LARIAT 20	EVE 3306	Due on rec...

Description
DRILLED 80' OF 30" CONDUCTOR HOLE DRILLED 6' OF 76" HOLE FURNISHED AND SET 6' X 6' TINHORN CELLAR FURNISHED 80' OF 20" CONDUCTOR PIPE FURNISHED WELDER AND MATERIALS FURNISHED 8 YARDS OF 10 SACK GROUT FOR CONDUCTOR HOLE FURNISHED 4 YARDS OF 10 SACK GROUT FOR MOUSE HOLE DRILL MOUSE HOLE FURNISHED 80' OF 16" CONDUCTOR PIPE TOTAL BID $18,000.00

Sales Tax (6.15%)	$158.79
TOTAL	$18,158.79