



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1228200
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: _____

1228200

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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Sandridge

WELL PROFILE DATA

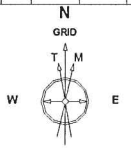
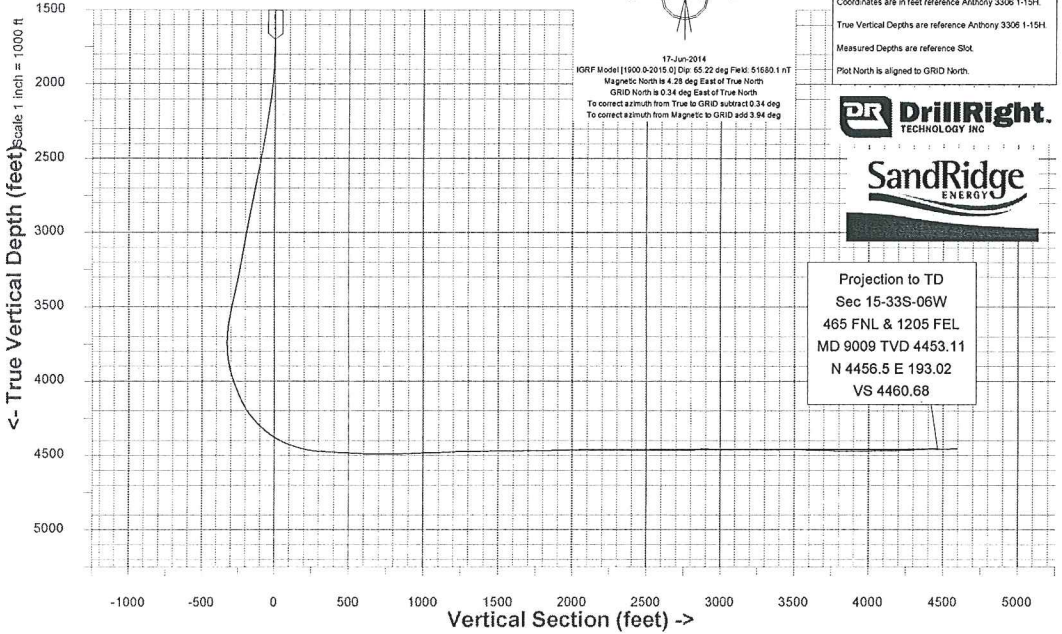
Location	Kansas	Slot	Anthony 3306 1-15H
Field	Sec 15 - 33S - 06W	Well	Anthony 3306 1-15H
Installation	Harper County	Wellbore	Anthony 3306 1-15H (PWB)
Installation Data			
Name	Harper County	Latitude	N37 10 1.78
Longitude	W97 56 51.93	Northing	182716.00
Easting	215925.00		
Coordinate System			
Kansas State Planes, Southern Zone			
Slot Data			
Name	Anthony 3306 1-15H	North [ft]	394.99 N
East [ft]	-1432.97 E	Latitude	N37 10 5.77
Longitude	W97 57 9.81	Northing	183111.00
Easting	2159492.00		
Elevation Data			
Slot - Mean Sea Level [ft]	1356.00	Mean Sea Level - Mudline/Ground level [ft]	-1335.00
Slot - Mudline/Ground level [ft]	21.00		

Point	MD	Inc	Azi	TVD	North	East	deg/100ft	V. Sect
Tie on	6407.00	91.60	357.50	4465.86	1855.81	186.19	0.00	1862.13
End of Drop/Turn	6587.40	89.40	0.36	4464.29	2036.14	182.82	2.00	2042.15
End of Hold	6687.80	89.40	0.36	4465.34	2136.53	183.45	0.00	2142.47
KOP	6730.30	90.25	0.36	4465.47	2179.03	183.72	2.00	2184.94
T.D. & Target PBHL Anth	9142.34	90.25	0.37	4454.95	4591.00	199.00	0.00	4595.31

East (feet) ->
Scale 1 inch = 1000 ft

MD	Inc	Azi	TVD	North	East	Name	Position
9142.34	90.25	0.37	4454.95	4591.00	199.00	PBHL Anthony 3306 1-15H	2159691.00 East : 187702.09 North

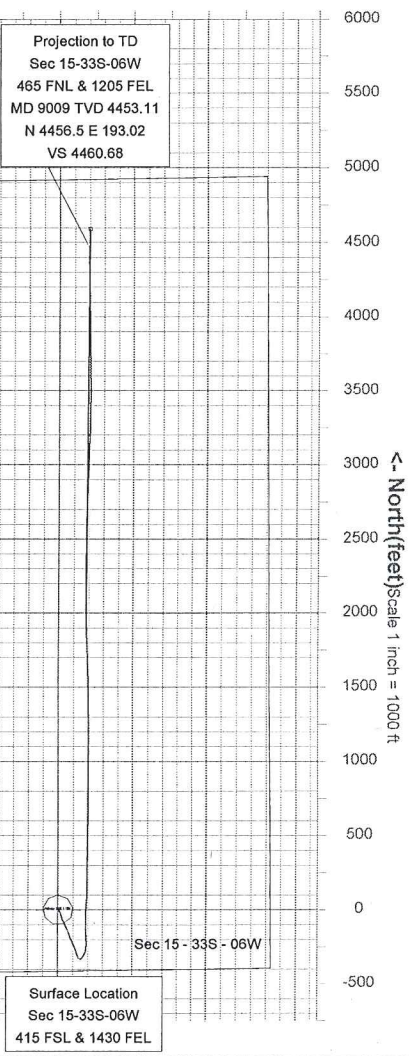
Target Line: 06-17-14
TGT: 4490' KBTVD @ 0' VS
90.7° INC @ 2.48 AZI Plane



Created by admin
Date plotted 18-Jul-2014
Plot reference is Anthony 3306 1-15H (PWB)
Ref well path is Anthony 3306 1-15H (PWP#1)
Coordinates are in feet reference Anthony 3306 1-15H
True Vertical Depths are reference Anthony 3306 1-15H
Measured Depths are reference Slot
Plot North is aligned to GRID North.



Projection to TD
Sec 15-33S-06W
465 FNL & 1205 FEL
MD 9009 TVD 4453.11
N 4456.5 E 193.02
VS 4460.68



Projection to TD
Sec 15-33S-06W
465 FNL & 1205 FEL
MD 9009 TVD 4453.11
N 4456.5 E 193.02
VS 4460.68

Company: Sandridge
Well Name: Anthony 3306 1-15H
Legals: Sec: 15 Township: 33S
 Range: 06W
County/State: Harper KS
Rig Name: Lariat 20

Customer Rep	Position	Directional Driller	MWD Operator
		Mike Foster	Charlie Minyard
		Scott Graham	

Anthony 1-15H Surveys

Type	M Depth	Incl.	Azimuth	TVD	North	East	V Section	Dogleg	B Rate	T Rate	Clos Azi	Clos Dist
TieInPoint	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0
Survey	619.00	0.40	72.50	618.99	0.65	2.06	0.74	0.06	0.06	11.71	72.49	2.16
Survey	680.00	0.60	74.00	679.99	0.80	2.57	0.91	0.33	0.33	2.46	72.71	2.69
Survey	771.00	0.50	90.20	770.98	0.93	3.43	1.08	0.20	0.11	17.80	74.83	3.55
Survey	955.00	0.50	160.60	954.98	0.17	4.49	0.36	0.31	0.00	38.26	87.83	4.49
Survey	1137.00	0.60	136.50	1136.97	-1.27	5.41	-1.03	0.14	0.05	13.24	103.21	5.56
Survey	1321.00	0.20	97.20	1320.97	-2.01	6.39	-1.73	0.25	0.22	21.36	107.46	6.70
Survey	1507.00	0.40	42.20	1506.96	-1.57	7.15	-1.26	0.18	0.11	29.57	102.38	7.32
Survey	1696.00	0.30	85.00	1695.96	-1.04	8.09	-0.69	0.14	0.05	22.65	97.33	8.16
Survey	1790.00	1.70	143.70	1789.94	-2.14	9.16	-1.74	1.67	1.49	62.45	103.15	9.41
Survey	1885.00	3.60	158.40	1884.84	-6.05	11.09	-5.56	2.11	2.00	15.47	118.61	12.63
Survey	1980.00	5.90	164.40	1979.50	-13.53	13.50	-12.93	2.47	2.42	6.32	135.06	19.11
Survey	2075.00	7.60	163.60	2073.84	-24.26	16.59	-23.52	1.79	1.79	0.84	145.63	29.39
Survey	2170.00	8.90	164.30	2167.85	-37.36	20.35	-36.44	1.37	1.37	0.74	151.42	42.54
Survey	2266.00	10.00	158.00	2262.55	-52.24	25.48	-51.09	1.57	1.15	6.56	154.00	58.12
Survey	2360.00	10.60	157.90	2355.04	-67.82	31.79	-66.38	0.64	0.64	0.11	154.89	74.90
Survey	2454.00	11.50	153.60	2447.30	-84.22	39.21	-82.44	1.30	0.96	4.57	155.03	92.90
Survey	2548.00	12.50	154.40	2539.24	-101.79	47.77	-99.63	1.08	1.06	0.85	154.86	112.44
Survey	2642.00	11.50	154.30	2631.19	-119.41	56.23	-116.87	1.06	1.06	0.11	154.78	131.99
Survey	2736.00	11.80	158.40	2723.25	-136.79	63.83	-133.90	0.94	0.32	4.36	154.98	150.95
Survey	2830.00	12.10	158.20	2815.21	-154.87	71.03	-151.65	0.32	0.32	0.21	155.36	170.38
Survey	2926.00	12.80	162.50	2908.95	-174.35	77.96	-170.81	1.20	0.72	4.48	155.91	190.99
Survey	3020.00	11.70	160.40	3000.81	-193.27	84.29	-189.44	1.26	1.17	2.23	156.44	210.85
Survey	3117.00	11.40	155.20	3095.85	-211.23	91.61	-207.07	1.12	0.31	5.36	156.55	230.24
Survey	3212.00	11.50	154.10	3188.96	-228.28	99.69	-223.75	0.25	0.11	1.16	156.41	249.10
Survey	3307.00	12.80	156.50	3281.83	-246.45	108.02	-241.55	1.47	1.37	2.53	156.33	269.08
Survey	3402.00	13.80	162.70	3374.29	-266.92	115.59	-261.67	1.83	1.05	6.53	156.58	290.87
Survey	3496.00	13.80	163.70	3465.57	-288.38	122.07	-282.83	0.25	0.00	1.06	157.06	313.15
Survey	3591.00	11.60	158.70	3558.25	-308.16	128.72	-302.30	2.59	2.32	5.26	157.33	333.96
Survey	3622.00	10.90	158.20	3588.65	-313.79	130.94	-307.83	2.28	2.26	1.61	157.35	340.01
Survey	3654.00	11.10	154.80	3620.07	-319.38	133.38	-313.31	2.12	0.62	10.62	157.33	346.11
Survey	3685.00	10.70	146.20	3650.51	-324.47	136.25	-318.27	5.40	1.29	27.74	157.22	351.92
Survey	3717.00	9.30	132.30	3682.03	-328.68	139.81	-322.32	8.69	4.38	43.44	156.96	357.18
Survey	3748.00	7.80	114.60	3712.69	-331.25	143.58	-324.73	9.71	4.84	57.10	156.57	361.03
Survey	3780.00	7.30	94.30	3744.42	-332.31	147.58	-325.61	8.43	1.56	63.44	156.05	363.61
Survey	3811.00	7.70	74.20	3775.16	-331.89	151.55	-325.02	8.52	1.29	64.84	155.46	364.85
Survey	3842.00	8.40	54.60	3805.86	-330.01	155.39	-322.98	9.09	2.26	63.23	154.79	364.76
Survey	3874.00	10.10	48.20	3837.44	-326.79	159.39	-319.59	6.20	5.31	20.00	154.00	363.59
Survey	3906.00	12.20	44.60	3868.83	-322.51	163.86	-315.12	6.91	6.56	11.25	153.07	361.75
Survey	3937.00	14.10	38.20	3899.02	-317.21	168.49	-309.62	7.71	6.13	20.65	152.02	359.18
Survey	3969.00	16.20	31.10	3929.91	-310.32	173.21	-302.53	8.75	6.56	22.19	150.83	355.39
Survey	4000.00	18.50	25.30	3959.50	-302.17	177.55	-294.20	9.27	7.42	18.71	149.56	350.47

Anthony 1-15H Surveys

Type	M Depth	Incl.	Azimuth	TVD	North	East	V Section	Dogleg	B Rate	T Rate	Clos Azi	Clos Dist
Survey	4032.00	19.30	19.10	3989.78	-292.58	181.45	-284.45	6.75	2.50	19.38	148.19	344.28
Survey	4064.00	20.80	13.90	4019.84	-282.07	184.54	-273.82	7.28	4.69	16.25	146.81	337.07
Survey	4095.00	22.20	9.50	4048.68	-270.95	186.83	-262.61	6.89	4.52	14.19	145.41	329.12
Survey	4127.00	23.50	6.80	4078.17	-258.65	188.59	-250.25	5.22	4.06	8.44	143.90	320.10
Survey	4158.00	24.80	2.80	4106.46	-246.02	189.64	-237.58	6.74	4.19	12.90	142.37	310.63
Survey	4190.00	27.00	359.00	4135.24	-232.05	189.84	-223.62	8.61	6.88	11.88	140.71	299.81
Survey	4221.00	29.80	357.20	4162.51	-217.32	189.34	-208.92	9.44	9.03	5.81	138.94	288.23
Survey	4253.00	32.80	356.60	4189.85	-200.72	188.44	-192.38	9.43	9.37	1.87	136.81	275.31
Survey	4284.00	35.30	356.10	4215.53	-183.40	187.33	-175.12	8.11	8.06	1.61	134.39	262.16
Survey	4316.00	38.40	356.70	4241.14	-164.25	186.13	-156.04	9.75	9.69	1.87	131.43	248.24
Survey	4348.00	41.40	358.20	4265.68	-143.75	185.22	-135.60	9.84	9.38	4.69	127.82	234.46
Survey	4379.00	44.60	359.20	4288.35	-122.62	184.75	-114.51	10.55	10.32	3.23	123.57	221.74
Survey	4411.00	47.80	359.60	4310.50	-99.52	184.51	-91.44	10.04	10.00	1.25	118.34	209.64
Survey	4443.00	51.00	0.30	4331.32	-75.23	184.49	-67.18	10.14	10.00	2.19	112.18	199.24
Survey	4474.00	54.10	1.40	4350.17	-50.63	184.86	-42.58	10.39	10.00	3.55	105.32	191.67
Survey	4506.00	57.30	2.30	4368.20	-24.21	185.72	-16.15	10.27	10.00	2.81	97.43	187.29
Survey	4537.00	60.60	3.20	4384.19	2.31	187.00	10.40	10.93	10.65	2.90	89.29	187.01
Survey	4569.00	64.20	3.50	4399.01	30.62	188.66	38.75	11.28	11.25	0.94	80.78	191.13
Survey	4601.00	66.80	3.00	4412.28	59.69	190.31	67.87	8.25	8.12	1.56	72.59	199.45
Survey	4632.00	68.60	2.80	4424.04	88.33	191.76	96.54	5.84	5.81	0.65	65.27	211.13
Survey	4664.00	70.40	1.00	4435.25	118.28	192.75	126.51	7.71	5.63	5.63	58.46	226.15
Survey	4695.00	72.70	359.80	4445.06	147.69	192.95	155.90	8.28	7.42	3.87	52.57	242.99
Survey	4727.00	75.70	0.10	4453.77	178.48	192.93	186.66	9.42	9.38	0.94	47.23	262.83
Survey	4758.00	78.70	359.90	4460.64	208.71	192.93	216.86	9.70	9.68	0.65	42.75	284.22
Survey	4790.00	81.60	359.90	4466.11	240.23	192.87	248.35	9.06	9.06	0.00	38.76	308.07
Survey	4821.00	84.40	0.20	4469.89	271.00	192.90	279.09	9.08	9.03	0.97	35.44	332.64
Survey	4853.00	86.20	0.80	4472.51	302.89	193.18	310.97	5.93	5.63	1.88	32.53	359.25
Survey	4884.00	86.90	0.90	4474.38	333.83	193.64	341.90	2.28	2.26	0.32	30.12	385.93
Survey	4916.00	87.20	0.50	4476.03	365.79	194.03	373.84	1.56	0.94	1.25	27.94	414.07
Survey	4948.00	87.00	0.50	4477.65	397.74	194.31	405.78	0.63	0.63	0.00	26.04	442.67
Survey	4980.00	87.00	0.50	4479.32	429.69	194.59	437.71	0.00	0.00	0.00	24.36	471.70
Survey	5012.00	86.80	0.80	4481.05	461.64	194.95	469.64	1.13	0.62	0.94	22.89	501.12
Survey	5043.00	86.80	0.50	4482.78	492.59	195.30	500.58	0.97	0.00	0.97	21.63	529.89
Survey	5075.00	86.60	0.00	4484.62	524.54	195.44	532.51	1.68	0.63	1.56	20.44	559.77
Survey	5107.00	86.70	0.50	4486.49	556.48	195.58	564.42	1.59	0.31	1.56	19.36	589.85
Survey	5213.00	88.60	0.30	4490.84	662.38	196.32	670.25	1.80	1.79	0.19	16.51	690.86
Survey	5307.00	91.40	0.60	4490.84	756.37	197.06	764.19	3.00	2.98	0.32	14.60	781.62
Survey	5402.00	91.90	0.70	4488.10	851.32	198.13	859.10	0.54	0.53	0.10	13.10	874.07
Survey	5496.00	92.10	0.70	4484.82	945.26	199.28	953.00	0.21	0.21	0.00	11.90	966.04
Survey	5587.00	92.60	0.50	4481.09	1036.17	200.23	1043.86	0.59	0.55	0.22	10.94	1055.34
Survey	5677.00	91.20	359.90	4478.10	1126.12	200.55	1133.74	1.69	1.56	0.67	10.10	1143.84
Survey	5768.00	92.10	0.20	4475.48	1217.08	200.63	1224.62	1.04	0.99	0.33	9.36	1233.51
Survey	5859.00	91.60	359.50	4472.55	1308.03	200.39	1315.48	0.94	0.55	0.77	8.71	1323.29
Survey	5950.00	90.30	359.00	4471.04	1399.01	199.20	1406.32	1.53	1.43	0.55	8.10	1413.12
Survey	6041.00	90.50	358.40	4470.40	1489.98	197.13	1497.11	0.69	0.22	0.66	7.54	1502.96
Survey	6133.00	90.50	358.60	4469.60	1581.94	194.72	1588.88	0.22	0.00	0.22	7.02	1593.88
Survey	6224.00	90.40	358.40	4468.88	1672.91	192.34	1679.67	0.25	0.11	0.22	6.56	1683.93
Survey	6315.00	90.90	358.20	4467.85	1763.86	189.64	1770.41	0.59	0.55	0.22	6.14	1774.03

Anthony 1-15H Surveys

Type	M Depth	Incl.	Azimuth	TVD	North	East	V Section	Dogleg	B Rate	T Rate	Clos Azi	Clos Dist
Survey	6407.00	91.60	357.50	4465.84	1855.78	186.19	1862.10	1.08	0.76	0.76	5.73	1865.10
Survey	6498.00	91.40	358.70	4463.46	1946.69	183.17	1952.79	1.34	0.22	1.32	5.38	1955.29
Survey	6589.00	90.10	359.70	4462.27	2037.67	181.90	2043.63	1.80	1.43	1.10	5.10	2045.77
Survey	6682.00	90.50	359.90	4461.78	2130.67	181.58	2136.53	0.48	0.43	0.22	4.87	2138.39
Survey	6774.00	89.70	359.90	4461.62	2222.67	181.42	2228.44	0.87	0.87	0.00	4.67	2230.06
Survey	6865.00	89.40	0.30	4462.34	2313.67	181.58	2319.36	0.55	0.33	0.44	4.49	2320.78
Survey	6959.00	90.10	0.80	4462.75	2407.66	182.48	2413.30	0.92	0.74	0.53	4.33	2414.57
Survey	7054.00	90.60	0.00	4462.17	2502.66	183.14	2508.24	0.99	0.53	0.84	4.19	2509.35
Survey	7150.00	91.00	0.90	4460.83	2598.65	183.89	2604.17	1.03	0.42	0.94	4.05	2605.15
Survey	7245.00	90.80	2.00	4459.33	2693.61	186.30	2699.15	1.18	0.21	1.16	3.96	2700.04
Survey	7340.00	91.10	2.10	4457.76	2788.53	189.70	2794.13	0.33	0.32	0.11	3.89	2794.98
Survey	7434.00	88.80	2.10	4457.84	2882.46	193.14	2888.12	2.45	2.45	0.00	3.83	2888.92
Survey	7530.00	89.40	1.70	4459.35	2978.40	196.32	2984.11	0.75	0.63	0.42	3.77	2984.86
Survey	7625.00	90.10	1.60	4459.76	3073.36	199.06	3079.09	0.74	0.74	0.11	3.71	3079.80
Survey	7719.00	89.30	2.10	4460.26	3167.31	202.09	3173.09	1.00	0.85	0.53	3.65	3173.75
Survey	7814.00	90.00	1.80	4460.84	3262.25	205.33	3268.08	0.80	0.74	0.32	3.60	3268.71
Survey	7909.00	91.10	1.00	4459.92	3357.21	207.65	3363.05	1.43	1.16	0.84	3.54	3363.63
Survey	8004.00	90.30	0.50	4458.76	3452.20	208.89	3458.01	0.99	0.84	0.53	3.46	3458.51
Survey	8099.00	88.30	359.70	4459.92	3547.18	209.06	3552.90	2.27	2.11	0.84	3.37	3553.34
Survey	8193.00	87.40	359.30	4463.45	3641.11	208.24	3646.71	1.05	0.96	0.43	3.27	3647.06
Survey	8288.00	88.10	359.00	4467.18	3736.03	206.83	3741.48	0.80	0.74	0.32	3.17	3741.75
Survey	8382.00	88.40	359.00	4470.05	3829.97	205.19	3835.26	0.32	0.32	0.00	3.07	3835.46
Survey	8476.00	90.60	359.10	4470.87	3923.95	203.63	3929.09	2.34	2.34	0.11	2.97	3929.23
Survey	8571.00	91.00	358.90	4469.54	4018.92	201.97	4023.90	0.47	0.42	0.21	2.88	4023.99
Survey	8666.00	91.50	359.10	4467.47	4113.89	200.31	4118.70	0.57	0.53	0.21	2.79	4118.76
Survey	8761.00	92.60	358.80	4464.07	4208.81	198.57	4213.46	1.20	1.16	0.32	2.70	4213.49
Survey	8857.00	92.10	358.80	4460.14	4304.71	196.57	4309.18	0.52	0.52	0.00	2.61	4309.20
Survey	8951.00	92.90	358.60	4456.04	4398.59	194.44	4402.88	0.88	0.85	0.21	2.53	4402.89
PrjCalcPnt	9009	92.9	358.6	4453.11	4456.50	193.02	4460.68	0	0	0	2.48	4460.68



SandRidge Energy
Anthony #3306 1-15H
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 Anthony #3306 1-15H 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 2000 psi. After a successful test we began the job by pumping 10 bbls of preflush spacer. We then mixed and pumped the following cements:

63 Bbls (190 sacks) of 12.7 ppg Lead slurry:
Class A poz Blend Yeild 1.87
6% Gel
2% CC
¼# Floseal

32 Bbls (150 sacks) of 15.6 ppg Tail slurry
Class A Yeild 1.20
2% CC
¼ # Floseal

The top plug was then released and displaced with 44 Bbls of fresh water. The plug bumped and pressured up to 900 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.



SandRidge Energy
Anthony #3306 1-15H
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 Anthony#3306 1-15H 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 3200 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 1800 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.



INVOICE

DATE	INVOICE #
6/22/2014	4874

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	6/22/2014	3675	LARIAT 20	ANTHONY 3306 1-15H	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 \$17,000.00

Sales Tax (6.15%)	\$158.79
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TOTAL	\$17,158.79
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Anthony 3306 1-15H

Perforations 2 shots per foot

Perforations			
Date	Top (ftKB)	Blm (ftKB)	Zone
9/8/2014	5,206.0	5,208.0	Miss Lime, Original Hole
9/8/2014	5,305.0	5,307.0	Miss Lime, Original Hole
9/8/2014	5,403.0	5,405.0	Miss Lime, Original Hole
9/8/2014	5,498.0	5,500.0	Miss Lime, Original Hole
9/8/2014	5,595.0	5,597.0	Miss Lime, Original Hole
9/8/2014	5,781.0	5,783.0	Miss Lime, Original Hole
9/7/2014	5,878.0	5,880.0	Miss Lime, Original Hole
9/7/2014	5,971.0	5,973.0	Miss Lime, Original Hole
9/7/2014	6,066.0	6,068.0	Miss Lime, Original Hole
9/7/2014	6,164.0	6,166.0	Miss Lime, Original Hole
9/7/2014	6,261.0	6,263.0	Miss Lime, Original Hole
9/7/2014	6,451.0	6,453.0	Miss Lime, Original Hole
9/7/2014	6,548.0	6,550.0	Miss Lime, Original Hole
9/7/2014	6,693.0	6,695.0	Miss Lime, Original Hole
9/7/2014	6,829.0	6,831.0	Miss Lime, Original Hole
9/7/2014	7,106.0	7,108.0	Miss Lime, Original Hole
9/7/2014	7,249.0	7,251.0	Miss Lime, Original Hole
9/7/2014	7,388.0	7,390.0	Miss Lime, Original Hole
9/7/2014	7,526.0	7,528.0	Miss Lime, Original Hole
9/7/2014	7,667.0	7,669.0	Miss Lime, Original Hole
9/7/2014	7,806.0	7,808.0	Miss Lime, Original Hole
9/7/2014	7,941.0	7,943.0	Miss Lime, Original Hole
9/7/2014	8,077.0	8,079.0	Miss Lime, Original Hole
9/7/2014	8,216.0	8,218.0	Miss Lime, Original Hole
9/7/2014	8,359.0	8,361.0	Miss Lime, Original Hole
9/7/2014	8,494.0	8,496.0	Miss Lime, Original Hole
9/7/2014	8,636.0	8,638.0	Miss Lime, Original Hole
9/7/2014	8,775.0	8,777.0	Miss Lime, Original Hole
9/6/2014	8,910.0	8,912.0	Miss Lime, Original Hole