



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1191051
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: _____

1191051

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No 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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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> <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	Miller 3405 1-10H
Doc ID	1191051

All Electric Logs Run

Prizm
Boresight
Induction
Nuclear
Mud

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Miller 3405 1-10H
Doc ID	1191051

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8367-8621	1500 gals 15% HCL, 6877 bbls slickwater, TLTR 7066 bbls	
5	8012-8292	1500 gals 15% HCL, 6838 bbls slickwater, TLTR 14168 bbls	
5	7650-7938	1500 gals 15% HCL, 6872 bbls slickwater, TLTR 21040 bbls	
5	7290-7586	1500 gals 15% HCL, 6874 bbls slickwater, TLTR 28017 bbls	
5	6938-7206	1500 gals 15% HCL, 6631 bbls slickwater, TLTR 34748 bbls	
5	6603-6870	1500 gals 15% HCL, 6127 bbls slickwater, TLTR 40140 bbls	
5	6207-6502	1500 gals 15% HCL, 6404 bbls slickwater, TLTR 46622 bbls	
5	5815-6092	1500 gals 15% HCL, 6420 bbls slickwater, TLTR 53108 bbls	
5	5411-5712	1500 gals 15% HCL, 6740 bbls slickwater, TLTR 59873 bbls	
5	4091-5098	1500 gals 15% HCL, 4485 bbls slickwater, TLTR 64358 bbls	

Section 3
34S 5W

Section 2
34S 5W

MILLER 3405 3-3H MILLER 3405 2-3H
 * * * * *
 SARATOGA SWD 3405 1-10 MILLER 3405 1-10H
 * * * * *
 MILLER 3405 4-10H

Miss Entry: 4871'
 -97.840493 37.107363

 Top Perf: 4901'
 -97.840482 37.107283

Section 10
34S 5W

Harper County

Section 11
34S 5W

Bottom Perf: 8462'
 -97.840063 37.097652

 BHL: 8700'
 -97.840041 37.096988

 404' FSL 516' FEL

Section 15
34S 5W

Section 14
34S 5W



Actual Bottom-Hole Location of Miller 3405 1-10H
 Harper County, Kansas
 T&R: 34S 5W
 Section: 10, 516' FEL & 404' FSL
 -97.840041 37.096988

1 in = 658 ft

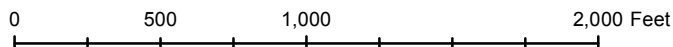


● Actual BH Location

* SandRidge Wells

--- Perf

□ Sections



Draftsman:

Aaron Birk

Draft Date: 2/24/2014

Drawing Name/Number:

Addendum_Miller 3405 1-10H.mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502



Standard Wellpath Report
Sandridge
Sec 10 - 34S - 5W, Kansas
Harper County
Wellbore: Miller 3405 1-10H (Actual Plug Back)

Wellbore

Name	Created	Last Revised
Miller 3405 1-10H (Actual Plug Back)	25-Nov-2013	19-Dec-2013

Well

Name	Government ID	Last Revised
Miller 3405 1-10H		31-Oct-2013

Slot

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Miller 3405 1-10H	161702.0000	2191322.0000	N37 6 32.0707	W97 50 38.2452	512.98S	1732.94W

Installation

Name	Easting	Northing	Coord System Name	North Alignment
Harper County	2193055.0000	162215.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Field

Name	Easting	Northing	Coord System Name	North Alignment
Sec 10 - 34S - 5W	2193055.0000	162215.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Created By

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Comments

FINAL SURVEYS: MD 8700 is a projection to bit @ TD



Standard Wellpath Report
 Sandridge
 Sec 10 - 34S - 5W, Kansas
 Harper County
 Wellbore: Miller 3405 1-10H (Actual Plug Back)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
0.00	0.00	0.000	0.00	0.00N	0.00E		0.00	2191322.00	161702.00
200.00	0.29	137.430	200.00	0.37S	0.34E	0.15	0.45	2191322.34	161701.63
225.00	0.37	151.750	225.00	0.49S	0.42E	0.46	0.58	2191322.42	161701.51
250.00	0.38	153.890	250.00	0.64S	0.50E	0.07	0.74	2191322.50	161701.36
275.00	0.39	159.350	275.00	0.79S	0.56E	0.15	0.91	2191322.56	161701.21
300.00	0.44	165.870	300.00	0.96S	0.62E	0.27	1.09	2191322.62	161701.04
325.00	0.55	174.690	325.00	1.18S	0.65E	0.53	1.30	2191322.65	161700.82
350.00	0.59	178.070	349.99	1.42S	0.67E	0.21	1.55	2191322.67	161700.58
375.00	0.65	180.730	374.99	1.69S	0.67E	0.27	1.81	2191322.67	161700.31
400.00	0.65	186.200	399.99	1.98S	0.65E	0.25	2.08	2191322.65	161700.02
425.00	0.71	187.470	424.99	2.27S	0.62E	0.25	2.35	2191322.62	161699.73
450.00	0.78	192.400	449.99	2.59S	0.56E	0.38	2.65	2191322.56	161699.41
475.00	0.83	194.050	474.99	2.93S	0.48E	0.22	2.96	2191322.48	161699.07
500.00	0.86	194.500	499.98	3.29S	0.39E	0.12	3.28	2191322.39	161698.71
525.00	0.88	193.390	524.98	3.66S	0.30E	0.10	3.62	2191322.30	161698.34
550.00	0.86	193.180	549.98	4.03S	0.21E	0.08	3.95	2191322.21	161697.97
575.00	0.92	191.320	574.97	4.41S	0.13E	0.27	4.30	2191322.13	161697.59
600.00	0.94	191.910	599.97	4.80S	0.05E	0.09	4.66	2191322.05	161697.19
625.00	0.95	192.000	624.97	5.21S	0.04W	0.04	5.03	2191321.96	161696.79
650.00	0.96	190.410	649.96	5.62S	0.12W	0.11	5.41	2191321.88	161696.38
675.00	0.90	188.430	674.96	6.02S	0.19W	0.27	5.78	2191321.81	161695.98
700.00	0.89	187.360	699.96	6.40S	0.24W	0.08	6.14	2191321.76	161695.60
725.00	0.86	182.900	724.95	6.78S	0.27W	0.30	6.50	2191321.73	161695.22
750.00	0.87	183.600	749.95	7.16S	0.30W	0.06	6.86	2191321.70	161694.84
775.00	0.87	182.930	774.95	7.54S	0.32W	0.04	7.22	2191321.68	161694.46
800.00	0.86	183.180	799.95	7.92S	0.34W	0.04	7.58	2191321.66	161694.08
825.00	0.88	182.570	824.94	8.30S	0.36W	0.09	7.94	2191321.64	161693.70
850.00	0.90	181.090	849.94	8.68S	0.37W	0.12	8.31	2191321.63	161693.32
875.00	0.91	180.690	874.94	9.08S	0.37W	0.05	8.70	2191321.63	161692.92
900.00	0.91	178.330	899.93	9.48S	0.37W	0.15	9.08	2191321.63	161692.52
925.00	0.96	177.360	924.93	9.88S	0.36W	0.21	9.48	2191321.64	161692.12
950.00	0.95	176.110	949.93	10.30S	0.33W	0.09	9.89	2191321.67	161691.70
975.00	0.96	173.570	974.92	10.71S	0.29W	0.17	10.30	2191321.71	161691.29
1000.00	0.97	166.730	999.92	11.13S	0.22W	0.46	10.72	2191321.78	161690.87
1025.00	1.12	145.450	1024.92	11.54S	0.04W	1.65	11.16	2191321.96	161690.46
1050.00	1.23	135.760	1049.91	11.93S	0.29E	0.91	11.62	2191322.29	161690.07
1075.00	1.45	126.480	1074.90	12.31S	0.73E	1.23	12.10	2191322.73	161689.69
1100.00	1.86	114.090	1099.89	12.66S	1.36E	2.17	12.60	2191323.36	161689.34
1125.00	2.17	107.330	1124.88	12.97S	2.18E	1.56	13.10	2191324.18	161689.03
1150.00	2.84	99.670	1149.85	13.21S	3.24E	2.99	13.61	2191325.24	161688.79
1175.00	3.27	96.610	1174.82	13.40S	4.56E	1.84	14.12	2191326.56	161688.60
1200.00	3.62	93.990	1199.77	13.54S	6.06E	1.53	14.62	2191328.06	161688.46
1225.00	4.48	89.320	1224.71	13.58S	7.82E	3.68	15.11	2191329.82	161688.42
1250.00	4.77	89.160	1249.63	13.55S	9.84E	1.16	15.58	2191331.84	161688.45
1275.00	5.12	88.280	1274.54	13.51S	11.99E	1.43	16.08	2191333.99	161688.49
1300.00	5.60	87.280	1299.43	13.41S	14.32E	1.96	16.57	2191336.32	161688.59
1325.00	6.06	86.340	1324.30	13.27S	16.86E	1.88	17.07	2191338.86	161688.73
1350.00	6.35	86.450	1349.15	13.10S	19.56E	1.16	17.58	2191341.56	161688.90
1375.00	7.03	88.530	1373.98	12.98S	22.46E	2.89	18.19	2191344.47	161689.02
1400.00	7.81	88.910	1398.77	12.91S	25.69E	3.13	18.93	2191347.69	161689.09
1425.00	8.59	89.450	1423.52	12.86S	29.26E	3.14	19.77	2191351.26	161689.14
1450.00	9.46	90.940	1448.21	12.87S	33.18E	3.60	20.77	2191355.18	161689.13
1475.00	10.20	91.640	1472.84	12.97S	37.45E	3.00	21.93	2191359.45	161689.03
1500.00	10.44	91.650	1497.43	13.10S	41.92E	0.96	23.18	2191363.92	161688.90
1525.00	10.70	92.300	1522.01	13.25S	46.51E	1.14	24.48	2191368.51	161688.74
1550.00	10.90	92.830	1546.57	13.46S	51.19E	0.89	25.85	2191373.19	161688.53
1575.00	11.19	93.330	1571.10	13.72S	55.97E	1.22	27.30	2191377.97	161688.28
1600.00	11.96	94.980	1595.60	14.09S	60.97E	3.35	28.91	2191382.97	161687.91
1625.00	12.24	94.810	1620.04	14.54S	66.19E	1.13	30.65	2191388.19	161687.46
1650.00	12.73	94.510	1644.45	14.97S	71.58E	1.98	32.42	2191393.58	161687.03
1675.00	13.46	93.800	1668.80	15.38S	77.23E	2.99	34.23	2191399.23	161686.62
1700.00	14.23	93.150	1693.07	15.75S	83.20E	3.14	36.08	2191405.20	161686.25
1725.00	14.51	93.270	1717.29	16.09S	89.39E	1.13	37.96	2191411.40	161685.91
1750.00	15.37	93.930	1741.44	16.50S	95.83E	3.51	39.97	2191417.83	161685.50
1775.00	16.31	94.680	1765.49	17.01S	102.63E	3.85	42.17	2191424.63	161684.99
1800.00	16.99	94.440	1789.45	17.58S	109.77E	2.73	44.51	2191431.77	161684.42
1825.00	17.17	94.050	1813.34	18.12S	117.09E	0.85	46.87	2191439.10	161683.87
1850.00	17.11	93.490	1837.23	18.61S	124.44E	0.70	49.18	2191446.45	161683.39
1875.00	17.31	94.160	1861.11	19.10S	131.82E	1.13	51.50	2191453.83	161682.90
1900.00	17.52	94.660	1884.97	19.68S	139.28E	1.03	53.93	2191461.29	161682.32

All data is in Feet unless otherwise stated
 Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Miller 3405 1-10H 0.00ft above Mean Sea Level)
 Vertical Section is from 0.00N 0.00E on azimuth 165.500 degrees
 Bottom hole distance is 4558.93 Feet on azimuth 165.49 degrees from Wellhead
 Calculation method uses Minimum Curvature method
 Prepared by
 Date Printed: 19-Dec-2013



Standard Wellpath Report
 Sandridge
 Sec 10 - 34S - 5W, Kansas
 Harper County
 Wellbore: Miller 3405 1-10H (Actual Plug Back)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
1925.00	17.78	95.470	1908.79	20.35S	146.84E	1.43	56.47	2191468.84	161681.65
1950.00	18.46	97.050	1932.55	21.20S	154.56E	3.36	59.22	2191476.57	161680.80
1975.00	18.90	98.800	1956.23	22.30S	162.49E	2.85	62.28	2191484.50	161679.70
2000.00	18.95	99.250	1979.88	23.57S	170.50E	0.62	65.52	2191492.51	161678.42
2025.00	18.83	98.970	2003.54	24.86S	178.49E	0.60	68.76	2191500.50	161677.14
2050.00	18.57	98.540	2027.22	26.08S	186.41E	1.18	71.92	2191508.42	161675.92
2075.00	18.15	97.600	2050.94	27.18S	194.21E	2.06	74.95	2191516.22	161674.82
2100.00	17.72	97.330	2074.73	28.18S	201.84E	1.75	77.83	2191523.85	161673.82
2125.00	17.75	97.200	2098.54	29.15S	209.40E	0.20	80.65	2191531.40	161672.85
2150.00	17.98	97.500	2122.34	30.13S	217.00E	0.99	83.50	2191539.01	161671.87
2175.00	17.99	96.850	2146.11	31.09S	224.66E	0.80	86.35	2191546.67	161670.91
2200.00	17.73	96.250	2169.91	31.97S	232.28E	1.27	89.11	2191554.29	161670.03
2225.00	18.01	97.350	2193.70	32.87S	239.90E	1.75	91.90	2191561.90	161669.12
2250.00	18.33	98.180	2217.46	33.93S	247.62E	1.65	94.85	2191569.63	161668.07
2275.00	18.44	97.960	2241.18	35.04S	255.43E	0.52	97.88	2191577.44	161666.96
2300.00	17.88	96.590	2264.94	36.02S	263.16E	2.82	100.77	2191585.16	161665.98
2325.00	17.16	95.620	2288.78	36.83S	270.64E	3.11	103.42	2191592.65	161665.17
2350.00	16.85	94.590	2312.68	37.48S	277.92E	1.73	105.87	2191599.93	161664.52
2375.00	16.75	94.650	2336.62	38.06S	285.12E	0.41	108.24	2191607.13	161663.94
2400.00	16.86	95.130	2360.55	38.67S	292.32E	0.71	110.64	2191614.33	161663.32
2425.00	17.05	95.290	2384.46	39.34S	299.59E	0.78	113.10	2191621.60	161662.66
2450.00	17.24	95.800	2408.35	40.05S	306.92E	0.97	115.62	2191628.93	161661.95
2475.00	17.40	95.920	2432.22	40.81S	314.32E	0.66	118.21	2191636.33	161661.19
2500.00	17.30	95.590	2456.08	41.56S	321.74E	0.56	120.79	2191643.75	161660.44
2513.00	18.30	97.500	2468.46	42.01S	325.69E	8.91	122.22	2191647.70	161659.99
2544.00	20.00	98.600	2497.74	43.44S	335.76E	5.61	126.13	2191657.77	161658.56
2574.00	20.40	98.300	2525.90	44.96S	346.00E	1.38	130.17	2191668.01	161657.04
2604.00	20.70	101.300	2553.99	46.76S	356.38E	3.65	134.50	2191678.39	161655.24
2634.00	20.40	103.800	2582.08	49.04S	366.65E	3.09	139.29	2191688.67	161652.96
2665.00	19.90	104.500	2611.18	51.65S	377.01E	1.79	144.41	2191699.02	161650.35
2696.00	20.60	104.400	2640.27	54.33S	387.40E	2.26	149.60	2191709.41	161647.67
2727.00	21.60	103.600	2669.19	57.03S	398.23E	3.36	154.92	2191720.24	161644.97
2758.00	21.60	104.200	2698.01	59.77S	409.31E	0.71	160.35	2191731.32	161642.23
2790.00	21.30	104.400	2727.79	62.66S	420.64E	0.96	165.99	2191742.66	161639.34
2821.00	21.30	104.100	2756.68	65.43S	431.56E	0.35	171.40	2191753.57	161636.57
2851.00	21.70	101.700	2784.59	67.88S	442.27E	3.22	176.46	2191764.29	161634.12
2883.00	22.10	101.100	2814.28	70.24S	453.97E	1.43	181.68	2191775.99	161631.76
2914.00	22.50	99.800	2842.96	72.37S	465.54E	2.05	186.64	2191787.56	161629.62
2946.00	22.30	98.800	2872.55	74.34S	477.58E	1.34	191.56	2191799.59	161627.65
2978.00	21.90	98.800	2902.20	76.19S	489.47E	1.25	196.32	2191811.49	161625.81
3010.00	21.90	98.700	2931.89	78.00S	501.27E	0.12	201.03	2191823.29	161624.00
3042.00	21.80	98.100	2961.59	79.74S	513.05E	0.76	205.67	2191835.07	161622.26
3074.00	21.60	98.200	2991.32	81.42S	524.76E	0.64	210.22	2191846.78	161620.58
3105.00	21.10	98.800	3020.19	83.09S	535.93E	1.76	214.63	2191857.94	161618.91
3138.00	20.50	99.200	3051.04	84.92S	547.50E	1.87	219.30	2191869.52	161617.08
3201.00	19.90	97.200	3110.17	88.03S	569.03E	1.45	227.70	2191891.05	161613.97
3232.00	20.10	97.000	3139.30	89.34S	579.55E	0.68	231.61	2191901.57	161612.66
3263.00	20.10	100.500	3168.41	90.96S	590.07E	3.88	235.81	2191912.09	161611.04
3294.00	19.90	101.200	3197.54	92.95S	600.49E	1.01	240.35	2191922.51	161609.04
3326.00	19.60	100.700	3227.66	95.01S	611.10E	1.08	245.00	2191933.12	161606.99
3421.00	19.10	101.600	3317.29	101.09S	641.99E	0.61	258.62	2191964.01	161600.91
3514.00	18.30	101.200	3405.38	106.99S	671.21E	0.87	271.65	2191993.24	161595.01
3610.00	17.80	97.600	3496.66	111.85S	700.54E	1.27	283.70	2192022.57	161590.14
3673.00	18.10	97.400	3556.59	114.39S	719.79E	0.49	290.98	2192041.82	161587.61
3737.00	18.10	100.300	3617.43	117.45S	739.43E	1.41	298.85	2192061.46	161584.55
3768.00	18.70	100.800	3646.84	119.24S	749.05E	2.00	303.00	2192071.08	161582.76
3800.00	19.30	100.800	3677.10	121.19S	759.29E	1.87	307.45	2192081.31	161580.81
3832.00	20.00	99.600	3707.24	123.09S	769.88E	2.52	311.95	2192091.90	161578.90
3864.00	20.60	100.700	3737.25	125.05S	780.81E	2.22	316.58	2192102.83	161576.94
3896.00	21.10	99.900	3767.15	127.09S	792.01E	1.80	321.35	2192114.04	161574.91
3927.00	21.90	100.500	3796.00	129.10S	803.19E	2.68	326.10	2192125.22	161572.90
3958.00	22.00	99.500	3824.75	131.11S	814.60E	1.25	330.91	2192136.63	161570.88
3990.00	21.70	99.000	3854.45	133.03S	826.36E	1.10	335.70	2192148.39	161568.97
4021.00	22.20	101.700	3883.20	135.11S	837.75E	3.63	340.58	2192159.78	161566.88
4054.00	23.70	107.200	3913.59	138.34S	850.20E	7.93	346.81	2192172.22	161563.66
4085.00	25.10	112.400	3941.83	142.69S	862.23E	8.27	354.04	2192184.26	161559.31
4117.00	25.00	114.800	3970.82	148.11S	874.64E	3.19	362.40	2192196.67	161553.89
4148.00	24.70	119.500	3998.95	154.05S	886.23E	6.44	371.04	2192208.26	161547.95
4180.00	25.40	123.700	4027.94	161.15S	897.76E	5.97	380.81	2192219.79	161540.85
4212.00	26.40	127.500	4056.73	169.29S	909.11E	6.05	391.53	2192231.14	161532.71
4243.00	27.50	129.600	4084.36	178.04S	920.10E	4.69	402.76	2192242.13	161523.95

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 Calculation method uses Minimum Curvature method
 Prepared by
 Date Printed: 19-Dec-2013



Standard Wellpath Report
Sandridge
Sec 10 - 34S - 5W, Kansas
Harper County
Wellbore: Miller 3405 1-10H (Actual Plug Back)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
4275.00	28.40	132.700	4112.63	187.92S	931.38E	5.34	415.14	2192253.41	161514.08
4307.00	30.30	136.800	4140.53	198.96S	942.50E	8.64	428.62	2192264.53	161503.03
4339.00	32.30	141.500	4167.87	211.54S	953.35E	9.86	443.52	2192275.38	161490.45
4371.00	34.40	144.900	4194.60	225.63S	963.88E	8.78	459.79	2192285.91	161476.36
4402.00	35.90	148.300	4219.95	240.53S	973.69E	7.95	476.67	2192295.72	161461.46
4434.00	37.90	151.400	4245.54	257.15S	983.32E	8.54	495.17	2192305.36	161444.85
4465.00	40.20	154.100	4269.62	274.51S	992.25E	9.23	514.22	2192314.29	161427.48
4497.00	42.60	156.100	4293.62	293.70S	1001.15E	8.56	535.03	2192323.19	161408.29
4528.00	44.70	157.200	4316.05	313.35S	1009.63E	7.20	556.17	2192331.66	161388.64
4560.00	47.00	158.400	4338.34	334.61S	1018.30E	7.67	578.92	2192340.34	161367.38
4592.00	49.50	159.600	4359.65	356.89S	1026.85E	8.30	602.64	2192348.89	161345.09
4623.00	52.70	160.900	4379.11	379.60S	1035.00E	10.83	626.66	2192357.03	161322.39
4655.00	55.50	162.400	4397.87	404.20S	1043.15E	9.54	652.52	2192365.18	161297.79
4686.00	58.40	164.100	4414.78	429.08S	1050.63E	10.42	678.48	2192372.67	161272.91
4718.00	60.50	165.000	4431.04	455.64S	1057.97E	7.00	706.03	2192380.01	161246.34
4750.00	62.30	166.400	4446.36	482.86S	1064.91E	6.81	734.13	2192386.94	161219.12
4781.00	63.60	167.900	4460.46	509.78S	1071.04E	6.01	761.72	2192393.08	161192.20
4813.00	66.70	170.200	4473.91	538.28S	1076.55E	11.68	790.70	2192398.59	161163.70
4845.00	69.50	171.500	4485.84	567.59S	1081.27E	9.53	820.26	2192403.30	161134.39
4877.00	71.80	173.900	4496.45	597.54S	1085.10E	10.09	850.20	2192407.14	161104.44
4908.00	74.00	175.700	4505.56	627.04S	1087.78E	9.01	879.44	2192409.82	161074.94
4940.00	76.10	177.800	4513.82	657.91S	1089.53E	9.12	909.76	2192411.57	161044.07
4971.00	77.90	178.700	4520.79	688.10S	1090.45E	6.46	939.22	2192412.49	161013.88
5003.00	79.90	179.300	4526.95	719.49S	1091.00E	6.52	969.75	2192413.04	160982.49
5035.00	83.10	180.400	4531.68	751.13S	1091.08E	10.56	1000.41	2192413.12	160950.84
5066.00	85.00	180.800	4534.89	781.96S	1090.76E	6.26	1030.17	2192412.80	160920.01
5099.00	87.20	181.100	4537.14	814.88S	1090.21E	6.73	1061.90	2192412.25	160887.09
5130.00	87.50	180.500	4538.57	845.84S	1089.78E	2.16	1091.77	2192411.82	160856.13
5162.00	87.90	181.100	4539.85	877.82S	1089.34E	2.25	1122.61	2192411.37	160824.16
5193.00	87.60	181.000	4541.07	908.79S	1088.77E	1.02	1152.46	2192410.80	160793.18
5225.00	87.70	180.400	4542.38	940.76S	1088.38E	1.90	1183.31	2192410.41	160761.21
5257.00	87.80	180.200	4543.64	972.73S	1088.21E	0.70	1214.23	2192410.25	160729.24
5288.00	88.00	180.200	4544.78	1003.71S	1088.10E	0.65	1244.19	2192410.14	160698.26
5320.00	89.10	179.900	4545.59	1035.70S	1088.07E	3.56	1275.15	2192410.11	160666.27
5348.00	89.70	179.700	4545.88	1063.70S	1088.17E	2.26	1302.28	2192410.21	160638.27
5442.00	90.40	179.400	4545.80	1157.69S	1088.91E	0.81	1393.47	2192410.95	160544.27
5503.00	88.90	178.700	4546.17	1218.68S	1089.92E	2.71	1452.77	2192411.96	160483.28
5533.00	88.70	178.400	4546.80	1248.67S	1090.68E	1.20	1481.99	2192412.72	160453.29
5626.00	88.70	178.300	4548.91	1341.60S	1093.36E	0.11	1572.64	2192415.39	160360.35
5719.00	88.50	178.200	4551.18	1434.53S	1096.20E	0.24	1663.32	2192418.23	160267.42
5811.00	87.40	177.900	4554.47	1526.42S	1099.32E	1.24	1753.06	2192421.36	160175.53
5842.00	88.40	178.600	4555.61	1557.38S	1100.27E	3.94	1783.27	2192422.31	160144.57
5903.00	88.30	177.600	4557.36	1618.32S	1102.29E	1.65	1842.78	2192424.33	160083.62
5964.00	90.50	177.900	4558.00	1679.27S	1104.69E	3.64	1902.38	2192426.72	160022.68
5995.00	89.80	178.200	4557.92	1710.25S	1105.74E	2.46	1932.64	2192427.78	159991.69
6056.00	91.20	179.600	4557.39	1771.23S	1106.91E	3.25	1991.97	2192428.95	159930.71
6087.00	90.80	179.800	4556.85	1802.23S	1107.08E	1.44	2022.02	2192429.11	159899.71
6150.00	91.40	180.400	4555.64	1865.22S	1106.97E	1.35	2082.98	2192429.00	159836.72
6180.00	91.00	180.400	4555.01	1895.21S	1106.76E	1.33	2111.96	2192428.79	159806.73
6244.00	90.30	181.300	4554.28	1959.20S	1105.81E	1.78	2173.67	2192427.84	159742.74
6276.00	90.30	181.400	4554.12	1991.19S	1105.05E	0.31	2204.46	2192427.09	159710.75
6339.00	91.90	182.400	4552.91	2054.14S	1102.96E	2.99	2264.88	2192425.00	159647.79
6402.00	91.40	183.300	4551.09	2117.03S	1099.83E	1.63	2324.99	2192421.87	159584.90
6466.00	92.20	181.200	4549.08	2180.95S	1097.32E	3.51	2386.24	2192419.36	159520.98
6529.00	91.70	180.000	4546.94	2243.91S	1096.66E	2.06	2447.02	2192418.70	159458.02
6561.00	89.70	179.400	4546.55	2275.90S	1096.83E	6.53	2478.04	2192418.87	159426.02
6624.00	90.90	179.500	4546.22	2338.90S	1097.43E	1.91	2539.18	2192419.47	159363.02
6656.00	90.60	179.500	4545.80	2370.89S	1097.71E	0.94	2570.23	2192419.75	159331.03
6720.00	90.30	179.800	4545.30	2434.89S	1098.11E	0.66	2632.28	2192420.14	159267.03
6752.00	90.80	180.000	4544.99	2466.89S	1098.16E	1.68	2663.28	2192420.20	159235.03
6815.00	90.90	180.800	4544.05	2529.88S	1097.72E	1.28	2724.15	2192419.76	159172.04
6878.00	89.90	179.700	4543.61	2592.88S	1097.45E	2.36	2785.07	2192419.48	159109.04
6934.00	90.70	179.200	4543.32	2648.87S	1097.98E	1.68	2839.42	2192420.02	159053.04
6965.00	91.00	179.000	4542.86	2679.87S	1098.47E	1.16	2869.55	2192420.51	159022.05
6998.00	91.20	178.900	4542.23	2712.85S	1099.08E	0.68	2901.63	2192421.11	158989.06
7061.00	91.40	179.200	4540.80	2775.83S	1100.12E	0.57	2962.87	2192422.16	158926.08
7124.00	90.90	178.300	4539.53	2838.80S	1101.49E	1.63	3024.17	2192423.53	158863.11
7156.00	90.50	179.400	4539.14	2870.79S	1102.14E	3.66	3055.31	2192424.17	158831.11
7219.00	91.80	178.400	4537.88	2933.76S	1103.34E	2.60	3116.58	2192425.38	158768.14
7251.00	90.90	178.800	4537.13	2965.75S	1104.13E	3.08	3147.74	2192426.16	158736.16
7283.00	91.10	178.600	4536.57	2997.73S	1104.85E	0.88	3178.89	2192426.89	158704.17

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 Sandridge
 Sec 10 - 34S - 5W, Kansas
 Harper County
 Wellbore: Miller 3405 1-10H (Actual Plug Back)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
7346.00	89.50	177.800	4536.24	3060.70S	1106.83E	2.84	3240.34	2192428.87	158641.20
7409.00	90.00	178.500	4536.51	3123.66S	1108.86E	1.37	3301.81	2192430.90	158578.23
7440.00	90.90	178.300	4536.27	3154.65S	1109.73E	2.97	3332.03	2192431.77	158547.25
7472.00	92.30	177.800	4535.37	3186.62S	1110.82E	4.65	3363.25	2192432.86	158515.28
7536.00	92.80	178.000	4532.53	3250.51S	1113.16E	0.84	3425.69	2192435.20	158451.38
7599.00	91.00	177.600	4530.44	3313.43S	1115.58E	2.93	3487.21	2192437.62	158388.46
7631.00	90.50	178.200	4530.02	3345.40S	1116.75E	2.44	3518.46	2192438.79	158356.49
7725.00	90.20	177.400	4529.45	3439.33S	1120.36E	0.91	3610.30	2192442.40	158262.56
7820.00	90.40	177.000	4528.95	3534.22S	1125.00E	0.47	3703.32	2192447.04	158167.67
7852.00	90.20	176.900	4528.78	3566.17S	1126.70E	0.70	3734.69	2192448.74	158135.71
7915.00	91.00	177.300	4528.12	3629.09S	1129.89E	1.42	3796.40	2192451.93	158072.79
7946.00	91.50	177.600	4527.44	3660.05S	1131.27E	1.88	3826.72	2192453.31	158041.83
7978.00	91.90	178.100	4526.50	3692.01S	1132.47E	2.00	3857.96	2192454.51	158009.87
8010.00	92.30	178.100	4525.32	3723.97S	1133.53E	1.25	3889.17	2192455.57	157977.91
8074.00	92.80	178.400	4522.48	3787.88S	1135.48E	0.91	3951.53	2192457.52	157914.00
8138.00	93.00	178.900	4519.24	3851.78S	1136.99E	0.84	4013.77	2192459.02	157850.09
8170.00	92.50	179.100	4517.70	3883.74S	1137.55E	1.68	4044.85	2192459.58	157818.14
8233.00	92.00	179.300	4515.23	3946.68S	1138.42E	0.85	4106.01	2192460.46	157755.19
8265.00	91.10	179.600	4514.36	3978.67S	1138.73E	2.96	4137.06	2192460.77	157723.20
8297.00	90.30	179.300	4513.97	4010.66S	1139.04E	2.67	4168.11	2192461.08	157691.20
8361.00	88.80	179.400	4514.47	4074.66S	1139.76E	2.35	4230.24	2192461.80	157627.21
8392.00	89.50	179.600	4514.93	4105.65S	1140.04E	2.35	4260.32	2192462.07	157596.21
8424.00	89.90	180.200	4515.10	4137.65S	1140.09E	2.25	4291.31	2192462.13	157564.21
8456.00	90.60	180.000	4514.96	4169.65S	1140.04E	2.28	4322.28	2192462.07	157532.21
8488.00	90.90	179.800	4514.54	4201.65S	1140.09E	1.13	4353.27	2192462.13	157500.21
8519.00	90.20	179.500	4514.25	4232.65S	1140.28E	2.46	4383.33	2192462.32	157469.22
8551.00	90.20	179.400	4514.13	4264.64S	1140.59E	0.31	4414.39	2192462.62	157437.22
8583.00	90.40	179.700	4513.97	4296.64S	1140.84E	1.13	4445.43	2192462.88	157405.22
8656.00	91.40	179.400	4512.82	4369.63S	1141.41E	1.43	4476.47	2192463.45	157332.23
8700.00	91.40	179.400	4511.75	4413.61S	1141.87E	==>	4558.93	2192463.91	157288.24

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TICKET

TICKET NUMBER: WY-152-1
 TICKET DATE: 10/31/2013

ELECTRONIC

SANDRIDGE ENERGY
 ***** BILL IN ADP!! *****
 123 ROBERT S KERR AVE
 OKLAHOMA CITY, OK 73102-6406

YARD: WY WAYNOKA OK
 LEASE: Miller 3405
 WELL#: 1-10H
 RIG #: Unit 9
 Co/St: HARPER, KS

DESCRIPTION	QUANTITY	RATE	AMOUNT
10/30-31/2013 DRILLED 30" CONDUCTOR HOLE			
10/30-31/2013 20" CONDUCTOR PIPE (.250 WALL)			
10/30-31/2013 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING			
10/30-31/2013 DRILL & INSTALL 6' X 6' CELLAR TINHORN			
10/30-31/2013 DRILLED 20" MOUSE HOLE (PER FOOT)			
10/30-31/2013 16" CONDUCTOR PIPE (.250 WALL)			
10/30-31/2013 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE			
10/30-31/2013 WELDING SERVICES FOR PIPE & LIDS			
10/30-31/2013 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE			
10/30-31/2013 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE)			
10/30-31/2013 10 YDS OF 10 SACK GROUT			
10/30-31/2013 TAXABLE ITEMS			5,400.00
10/30-31/2013 BID - TAXABLE ITEMS			11,850.00
Sub Total:			17,250.00
Tax HARPER COUNTY (6.15 %):			332.10
TICKET TOTAL:			<u>\$ 17,582.10</u>

I, the undersigned, acknowledge the acceptance of the above listed goods and/or services.

Approved Signature _____

JOB SUMMARY			PROJECT NUMBER SOK 3161	TICKET DATE 11/06/13
COUNTY Harper	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Quincey Loven	
LEASE NAME Miller 3405	Well No. 1-10H	JOB TYPE Surface	EMPLOYEE NAME LOUIS ARNEY	

EMP NAME					
L. ARNEY		0			
M. QUINTANA					
D. TEWELL					
0.00					

Form. Name _____ Type: _____
Packer Type _____ Set At 0
Bottom Hole Temp. 80 Pressure _____
Retainer Depth _____ Total Depth 600

Date	Called Out 11/5/2013	On Location 11/5/2013	Job Started 11/6/2013	Job Completed 11/6/2013
Time	1500	2000	0021	0230

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
Casing		36#	9"		Surface	600
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/2"		Surface	600
Perforations						Shots/Ft.
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

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
11/5	4.0	11/6	0.9	Surface
11/6	2.5			
Total	6.5	Total	0.9	

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

Pressures			
MAX	1,500 PSI	AVG.	180
Average Rates in BPM			
MAX	6 BPM	AVG	5
Cement Left in Pipe			
Feet	43	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	210	EX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	11.11	2.01	12.40
2	130	Premium Plus (Class C)	2% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3		Premium Plus (Class C)	*2% Calcium Chloride on side to use if necessary	*6.32	*1.32	*14.8

Summary					
Preflush	10.00	Type:	Fresh Water		
Breakdown		MAXIMUM	1,500 PSI	Load & Bkdn:	Gal - BBI
		Lost Returns-N	NO/FULL	Excess /Return	BBI
		Actual TOC	SURFACE	Calc. TOC:	
Average		Bump Plug PSI:	800	Final Circ.	PSI:
ISIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBI
				Total Volume	BBI
					157.00

CUSTOMER REPRESENTATIVE _____

SIGNATURE

API No. 15-077-21975-01-00
OTC/OCC Operator No. 34192-0

CEMENTING REPORT
To Accompany Completion Report

Form 1002C
Rev. 1996

OKLAHOMA CORPORATION COMMISSION
Oil & Gas Conservation Division
Post Office Box 52000-2000
Oklahoma City, Oklahoma 73152-2000
OAC 165:10-3-4(h)

All operators must include this form when submitting the Completion Report, (Form 1002A). The signature on this statement must be that of qualified employees of the cementing company and operator to demonstrate compliance with OAC 165:10-3-4(h). It may be advisable to take a copy of this form to location when cementing work is performed.

TYPE OR USE BLACK INK ONLY

*Field Name 0	OCC District		
*Operator Sandridge Exploration & Production	OCC/OTC Operator No 34192-0		
*Well Name/No. Miller 3405 1-10H	County Harper		
*Location 1/4 1/4 1/4 1/4	Sec 10	Twp 34S	Rge 5W

Cement Casing Data	Conductor Casing	Surface Casing	Alternative Casing	Intermediate Casing	Production String	Liner
Cementing Date				11/18/2013		
*Size of Drill Bit (Inches)				8 3/4"		
*Estimated % wash or hole enlargement used in calculations				40%		
*Size of Casing (inches O.D.)				7"		
*Top of Liner (if liner used) (ft.)				N/A		
*Setting Depth of Casing (ft.) from ground level				5,577		
Type of Cement (API Class) In first (lead) or only slurry				50/50 POZ PREMIUM		
In second slurry				Premium		
In third slurry				N/A		
Sacks of Cement Used In first (lead) or only slurry				250		
In second slurry				100		
In third slurry				N/A		
Vol of slurry pumped (Cu ft)(14.X15.) in first (lead) or only slurry				357.5		
In second slurry				119		
In third slurry				N/A		
Calculated Annular Height of Cement behind Pipe (ft)				4,000		
Cement left in pipe (ft)				96		

*Amount of Surface Casing Required (from Form 1000)	ft.
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*Was cement circulated to Ground Surface? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	*Was Cement Staging Tool (DV Tool) used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
*Was Cement Bond Log run? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If so, Attach Copy)	*If Yes, at what depth? ft.

CEMENTING COMPANY AND OPERATOR MUST COMPLY WITH THE INSTRUCTIONS ON REVERSE SIDE OF FORM

* Designates items to be completed by Operator.
Items **not** so designated shall be completed by the Cementing Company.

JOB SUMMARY			PROJECT NUMBER SOK 3213	TICKET DATE 11/25/13
COUNTY Harper	State Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Quincey Loven	
LEASE NAME Miller 3405	Well No. 1-10H	JOB TYPE Kick Off Plug	EMPLOYEE NAME NATHAN COTTA	

EMP NAME	NATHAN COTTA				

Form. Name _____ Type: _____
Packer Type _____ Set At **5,572'**
Bottom Hole Temp. **125** Pressure _____
Retainer Depth _____ Total Depth **0**

	Called Out	On Location	Job Started	Job Completed
Date	11.25.13	11.25.13	11.25.13	11.25.13
Time	200	530	830	930

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Va	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		26#	7"		Surface		5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 3/4"		Surface	5,872'	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density	9	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal
Spacer type	Fresh 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	
11.25.13	5.0	11.25.13	1.5	Kick Off Plug
Total	5.0	Total	1.5	

Pressures

MAX	1500 PSI	AVG.	50
Average Rates in BPM			
MAX	8 BPM	AVG	5
Cement Left in Pipe			
Feet	Reason		

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	195	Premium (Class H)	0.3% C-37	3.90	0.99	17.00
2	0	0		0	0.00	0.00
3	0	0		0	0.00	0.00

Summary

Preflush Breakdown	Type: _____	MAXIMUM _____	1500 PSI _____	NO/FULL _____	Preflush: BBI _____	20.00 _____	Type: Fresh Water
Average	Bump Plug PSI: _____	5 Min _____	10 Min _____	15 Min _____	Load & Bkdn: Gal - BBI _____	N/A _____	Pad:Bbl -Gal _____
					Excess /Return BBI _____	N/A _____	Calc.Disp Bbl _____
					Calc. TOC: _____		Actual Disp. _____
					Final Circ. PSI: _____	0 _____	Disp:Bbl _____
					Cement Slurry BBI _____	34.0 _____	
					Total Volume BBI _____	89.00 _____	

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

JOB SUMMARY			PROJECT NUMBER SOK 3224	TICKET DATE 11/28/13
COUNTY Harper	State Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Quincey Loven	
LEASE NAME Miller 3405	Well No. 1-10H	JOB TYPE Kick Off Plug	EMPLOYEE NAME Arthur Setzar	

EMP NAME	Arthur Setzar								
	Jared Green								
	0.00								
	Bryan Douglas								

Form. Name _____ Type: _____

Packer Type _____ Set At **5,572'**

Bottom Hole Temp. **125** Pressure _____

Retainer Depth _____ Total Depth **0**

Date	Called Out 11/28/2013	On Location 11/28/2013	Job Started 11/28/2013	Job Completed 11/28/2013
Time	1600	1900	1920	2100

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Va	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	26#	7"		Surface		5,000
Liner						
Liner						
Tubing		0				
Drill Pipe						
Open Hole			8 3/4"	Surface	5,872'	Shots/Ft.
Perforations						
Perforations						
Perforations						

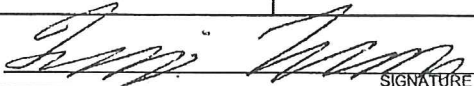
Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	Fresh Water	BBL.	20 8.33
Spacer type	Caustic	BBL.	10 8.40
Acid Type	Gal.		%
Acid Type	Gal.		%
Surfactant	Gal.		In
NE Agent	Gal.		In
Fluid Loss	Gal/Lb		In
Gelling Agent	Gal/Lb		In
Fric. Red.	Gal/Lb		In
MISC.	Gal/Lb		In
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
11/28	2.0	11/28	2.0	Kick Off Plug
Total	2.0	Total	2.0	

Pressures	
MAX	5,000 PSI AVG.
MAX	8 BPM AVG
Feet	699 Cement Left in Pipe Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	295	Premium (Class H)	0.3% C-37	3.90	0.99	17.00
2	0	0		0	0.00	0.00
3	0	0		0	0.00	0.00

Summary							
Preflush Breakdown	10	Type: MAXIMUM	Caustic 5,000 PSI	Preflush: BBI	30.00	Type: Fresh Water	
		Lost Returns: N	NO/FULL	Load & Bkdn: Gal - BBI	N/A	Pad:Bbl -Gal	N/A
		Actual TOC		Excess /Return BBI	N/A	Calc. Disp. Bbl	22
Average		Bump Plug PSI:		Calc. TOC:		Actual Disp.	22.00
5 Min.		10 Min	15 Min	Final Circ. PSI:		Disp:Bbl	22.00
				Cement Slurry BBI	52.0		
				Total Volume BBI	104.00		

CUSTOMER REPRESENTATIVE  SIGNATURE