



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1185094  
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: \_\_\_\_\_

1185094

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Bryant 3508 4-10H
Doc ID	1185094

All Electric Logs Run

Boresight
Induction
Prizm
Nuclear
Mud

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Bryant 3508 4-10H
Doc ID	1185094

#### Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8848-9118	36 bbls 15% HCL; 6407 bbls slickwater; TLTR 6628 bbls	
5	8540-8776	36 bbls 15% HCL; 6366 bbls slickwater; TLTR 13083 bbls	
5	8128-8452	36 bbls 15% HCL; 6851 bbls slickwater; TLTR 19935 bbls	
5	7763-8057	36 bbls 15% HCL; 6618 bbls slickwater; TLTR 26257 bbls	
5	7397-7685	36 bbls 15% HCL; 6206 bbls slickwater; TLTR 32300 bbls	
5	7050-7330	36 bbls 15% HCL; 6049 bbls slickwater; TLTR 38270 bbls	
5	6668-6975	36 bbls 15% HCL; 6305 bbls slickwater; TLTR 44434 bbls	
5	6268-6606	36 bbls 15% HCL; 6127 bbls slickwater; TLTR 50411 bbls	
5	5935-6174	36 bbls 15% HCL; 6348 bbls slickwater; TLTR 56334 bbls	
5	5547-5838	36 bbls 15% HCL; 6064 bbls slickwater; TLTR 56372 bbls	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Bryant 3508 4-10H
Doc ID	1185094

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	5044-5352	36 bbls 15% HCL; 3654 bbls slickwater; TLTR 60062 bbls	



Standard Wellpath Report  
Sandridge  
Sec 10 - 35S - 8W, Kansas  
Harper County  
Wellbore: Bryant 3508 4-10H (Actual)

**Wellbore**

Name	Created	Last Revised
Bryant 3508 4-10H (Actual)	11-Oct-2013	30-Oct-2013

**Well**

Name	Government ID	Last Revised
Bryant 3508 4-10H		11-Oct-2013

**Slot**

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Bryant 3508 4-10H	129186.0000	2096078.0000	N37 1 15.5611	W98 10 15.3770	5049.70N	2008.88W

**Installation**

Name	Easting	Northing	Coord System Name	North Alignment
Harper County	2098087.0000	124136.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

**Field**

Name	Easting	Northing	Coord System Name	North Alignment
Sec 10 - 35S - 8W	2098087.0000	124136.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

**Created By**

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**Comments**

<p>Final Survey:  MD 9220 is a projection to bit @ TD</p>
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Standard Wellpath Report  
Sandridge  
Sec 10 - 35S - 8W, Kansas  
Harper County  
Wellbore: Bryant 3508 4-10H (Actual)

**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	2096078.00	129186.00
814.00	1.30	152.200	813.93	8.17S	4.31E	0.16	8.19	2096082.31	129177.83
1060.00	1.20	148.300	1059.87	12.83S	6.96E	0.05	12.87	2096084.96	129173.17
1428.00	1.40	144.200	1427.78	19.75S	11.62E	0.06	19.82	2096089.62	129166.25
1899.00	0.90	99.200	1898.69	25.01S	18.63E	0.21	25.12	2096096.63	129160.99
2279.00	1.20	334.800	2278.66	21.89S	19.89E	0.49	22.00	2096097.89	129164.11
2754.00	0.60	308.600	2753.60	15.84S	15.82E	0.15	15.93	2096093.82	129170.16
3228.00	0.80	303.600	3227.56	12.46S	11.13E	0.04	12.52	2096089.13	129173.54
3702.00	0.70	311.300	3701.52	8.71S	6.20E	0.03	8.75	2096084.20	129177.29
4019.00	0.60	322.000	4018.50	6.13S	3.72E	0.05	6.15	2096081.72	129179.87
4051.00	0.20	263.900	4050.50	6.00S	3.56E	1.63	6.02	2096081.56	129180.00
4083.00	1.80	207.900	4082.50	6.45S	3.27E	5.30	6.47	2096081.27	129179.55
4114.00	3.80	197.200	4113.46	7.86S	2.74E	6.64	7.88	2096080.74	129178.14
4146.00	5.20	196.100	4145.36	10.27S	2.02E	4.38	10.28	2096080.02	129175.73
4178.00	6.60	192.200	4177.19	13.46S	1.23E	4.55	13.47	2096079.23	129172.54
4210.00	8.90	188.200	4208.89	17.71S	0.49E	7.38	17.71	2096078.49	129168.29
4241.00	11.20	187.400	4239.42	23.07S	0.24W	7.43	23.07	2096077.76	129162.93
4272.00	13.40	187.100	4269.70	29.62S	1.07W	7.10	29.61	2096076.93	129156.38
4304.00	15.80	185.500	4300.67	37.64S	1.95W	7.60	37.63	2096076.05	129148.36
4336.00	18.20	184.600	4331.27	46.96S	2.77W	7.54	46.94	2096075.23	129139.04
4367.00	20.40	183.300	4360.52	57.18S	3.46W	7.23	57.16	2096074.54	129128.82
4399.00	23.00	182.000	4390.25	68.99S	4.00W	8.26	68.97	2096074.00	129117.00
4430.00	25.30	182.000	4418.54	81.67S	4.45W	7.42	81.64	2096073.55	129104.33
4461.00	27.40	181.800	4446.32	95.42S	4.90W	6.78	95.39	2096073.10	129090.57
4493.00	29.70	181.000	4474.42	110.71S	5.27W	7.29	110.68	2096072.73	129075.29
4525.00	32.60	181.100	4501.81	127.26S	5.58W	9.06	127.22	2096072.42	129058.74
4556.00	35.60	181.600	4527.47	144.63S	5.99W	9.72	144.59	2096072.01	129041.36
4588.00	38.50	181.800	4553.01	163.90S	6.56W	9.07	163.86	2096071.44	129022.09
4620.00	41.50	181.500	4577.52	184.46S	7.15W	9.39	184.41	2096070.85	129001.53
4652.00	44.50	181.200	4600.92	206.27S	7.66W	9.40	206.23	2096070.34	128979.72
4683.00	47.60	181.400	4622.43	228.58S	8.17W	10.01	228.53	2096069.83	128957.40
4714.00	51.00	181.600	4642.64	252.07S	8.79W	10.98	252.02	2096069.21	128933.91
4746.00	54.10	182.200	4662.10	277.46S	9.63W	9.80	277.40	2096068.37	128908.52
4778.00	57.20	181.300	4680.15	303.86S	10.44W	9.96	303.80	2096067.56	128882.12
4810.00	59.80	181.000	4696.87	331.14S	10.98W	8.16	331.07	2096067.02	128854.84
4842.00	62.10	180.700	4712.41	359.11S	11.40W	7.23	359.04	2096066.60	128826.87
4874.00	64.60	180.300	4726.76	387.71S	11.64W	7.89	387.63	2096066.36	128798.27
4905.00	67.10	180.100	4739.44	415.99S	11.74W	8.09	415.92	2096066.26	128769.99
4937.00	70.00	180.100	4751.15	445.77S	11.79W	9.06	445.70	2096066.20	128740.20
4968.00	72.10	178.500	4761.21	475.09S	11.43W	8.35	475.01	2096066.57	128710.89
5000.00	74.00	177.700	4770.54	505.68S	10.42W	6.40	505.61	2096067.58	128680.29
5032.00	76.20	178.000	4778.77	536.58S	9.26W	6.93	536.52	2096068.74	128649.39
5064.00	78.30	178.300	4785.83	567.77S	8.25W	6.63	567.71	2096069.75	128618.20
5095.00	80.60	178.400	4791.51	598.23S	7.37W	7.43	598.18	2096070.63	128587.73
5127.00	82.70	178.400	4796.15	629.88S	6.49W	6.56	629.83	2096071.51	128556.09
5159.00	84.50	178.700	4799.72	661.67S	5.69W	5.70	661.62	2096072.31	128524.30
5190.00	86.20	179.200	4802.23	692.56S	5.12W	5.71	692.52	2096072.88	128493.40
5222.00	86.90	179.200	4804.16	724.50S	4.67W	2.19	724.46	2096073.33	128461.46
5253.00	87.50	178.600	4805.67	755.45S	4.08W	2.74	755.42	2096073.92	128430.50
5285.00	87.80	178.900	4806.99	787.42S	3.38W	1.33	787.39	2096074.62	128398.54
5317.00	88.30	178.900	4808.07	819.40S	2.77W	1.56	819.37	2096075.23	128366.56
5349.00	88.90	178.800	4808.86	851.38S	2.13W	1.90	851.35	2096075.87	128334.57
5380.00	89.40	178.900	4809.32	882.37S	1.50W	1.64	882.35	2096076.50	128303.58
5412.00	89.90	178.900	4809.51	914.36S	0.89W	1.56	914.34	2096077.11	128271.59
5444.00	90.40	178.800	4809.43	946.36S	0.25W	1.59	946.34	2096077.75	128239.59
5477.00	89.30	178.400	4809.51	979.35S	0.56E	3.55	979.33	2096078.56	128206.60
5548.00	90.20	178.200	4809.82	1050.31S	2.67E	1.30	1050.31	2096080.67	128135.63
5639.00	88.90	179.400	4810.54	1141.29S	4.57E	1.94	1141.29	2096082.57	128044.65
5732.00	88.40	179.300	4812.73	1234.25S	5.63E	0.55	1234.27	2096083.63	127951.68
5823.00	87.30	178.600	4816.14	1325.17S	7.29E	1.43	1325.19	2096085.29	127860.75
5914.00	88.20	179.200	4819.72	1416.09S	9.04E	1.19	1416.11	2096087.04	127769.84
6006.00	88.80	179.100	4822.12	1508.04S	10.40E	0.66	1508.08	2096088.40	127677.87
6100.00	91.20	179.100	4822.12	1602.02S	11.88E	2.55	1602.07	2096089.88	127583.89
6193.00	91.00	179.000	4820.34	1694.99S	13.42E	0.24	1695.04	2096091.42	127490.91
6285.00	91.10	179.300	4818.65	1786.97S	14.78E	0.34	1787.02	2096092.79	127398.93
6377.00	89.20	179.400	4818.41	1878.96S	15.83E	2.07	1879.02	2096093.83	127306.94
6468.00	88.30	179.600	4820.40	1969.93S	16.62E	1.01	1970.00	2096094.62	127215.96
6561.00	89.40	180.100	4822.26	2062.91S	16.87E	1.30	2062.97	2096094.87	127122.97
6654.00	90.10	180.400	4822.67	2155.91S	16.46E	0.82	2155.97	2096094.46	127029.97
6747.00	89.90	180.500	4822.67	2248.91S	15.73E	0.24	2248.96	2096093.73	126936.97
6839.00	89.60	181.000	4823.07	2340.90S	14.53E	0.63	2340.94	2096092.53	126844.97
6930.00	89.00	181.100	4824.18	2431.87S	12.86E	0.67	2431.91	2096090.86	126753.99

All data is in Feet unless otherwise stated  
Coordinates are from Slot MD's are from Slot and TVD's are from Slot ( Bryant 3508 4-10H 0.00ft above Mean Sea Level )  
Vertical Section is from 0.00N 0.00E on azimuth 179.670 degrees  
Bottom hole distance is 4720.54 Feet on azimuth 179.57 degrees from Wellhead  
Calculation method uses Minimum Curvature method  
Prepared by  
Date Printed: 30-Oct-2013



Standard Wellpath Report  
Sandridge  
Sec 10 - 35S - 8W, Kansas  
Harper County  
Wellbore: Bryant 3508 4-10H (Actual)

**Wellpath (Grid) Report**

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft ]	Easting	Northing
7025.00	90.40	181.100	4824.68	2526.85S	11.03E	1.47	2526.88	2096089.03	126659.01
7120.00	90.20	181.000	4824.18	2621.84S	9.29E	0.24	2621.85	2096087.29	126564.02
7215.00	89.80	181.000	4824.18	2716.82S	7.64E	0.42	2716.82	2096085.64	126469.03
7310.00	89.90	181.700	4824.43	2811.79S	5.40E	0.74	2811.78	2096083.40	126374.05
7405.00	89.90	181.500	4824.60	2906.76S	2.74E	0.21	2906.72	2096080.74	126279.08
7500.00	90.20	181.700	4824.51	3001.72S	0.09E	0.38	3001.67	2096078.09	126184.11
7595.00	90.40	181.700	4824.02	3096.68S	2.73W	0.21	3096.61	2096075.27	126089.15
7690.00	89.20	180.900	4824.35	3191.65S	4.88W	1.52	3191.57	2096073.12	125994.17
7785.00	88.90	181.300	4825.92	3286.62S	6.70W	0.53	3286.53	2096071.29	125899.20
7880.00	89.80	179.800	4827.00	3381.60S	7.62W	1.84	3381.50	2096070.38	125804.21
7976.00	89.20	180.000	4827.84	3477.60S	7.45W	0.66	3477.50	2096070.55	125708.21
8071.00	89.30	178.900	4829.08	3572.59S	6.54W	1.16	3572.49	2096071.46	125613.22
8166.00	88.50	178.600	4830.91	3667.54S	4.47W	0.90	3667.46	2096073.53	125518.25
8260.00	90.70	179.100	4831.56	3761.52S	2.58W	2.40	3761.44	2096075.42	125424.27
8356.00	89.30	179.100	4831.56	3857.50S	1.07W	1.46	3857.43	2096076.93	125328.28
8451.00	90.00	178.500	4832.14	3952.48S	0.92E	0.97	3952.42	2096078.92	125233.30
8545.00	90.00	178.300	4832.14	4046.44S	3.54E	0.21	4046.40	2096081.54	125139.33
8577.00	90.30	178.900	4832.06	4078.43S	4.33E	2.10	4078.39	2096082.33	125107.34
8640.00	88.50	178.900	4832.72	4141.42S	5.53E	2.86	4141.38	2096083.53	125044.36
8735.00	90.60	177.600	4833.47	4236.36S	8.44E	2.60	4236.34	2096086.44	124949.40
8831.00	91.70	178.700	4831.54	4332.29S	11.53E	1.62	4332.28	2096089.53	124853.47
8926.00	90.80	177.200	4829.47	4427.20S	14.93E	1.84	4427.21	2096092.93	124758.55
9021.00	90.70	177.700	4828.22	4522.10S	19.16E	0.54	4522.13	2096097.16	124663.65
9116.00	90.00	175.100	4827.64	4616.90S	25.12E	2.83	4616.97	2096103.12	124568.84
9171.00	89.80	174.200	4827.74	4671.66S	30.25E	1.68	4671.76	2096108.25	124514.08
9220.00	89.80	174.200	4827.91	4720.41S	35.20E	==>	4720.53	2096113.20	124465.33

All data is in Feet unless otherwise stated  
Coordinates are from Slot MD's are from Slot and TVD's are from Slot ( Bryant 3508 4-10H 0.00ft above Mean Sea Level )  
Vertical Section is from 0.00N 0.00E on azimuth 179.670 degrees  
Bottom hole distance is 4720.54 Feet on azimuth 179.57 degrees from Wellhead  
Calculation method uses Minimum Curvature method  
Prepared by  
Date Printed: 30-Oct-2013

Standard Wellpath Report  
Sandridge  
Sec 10 - 35S - 8W, Kansas  
Harper County  
Wellbore: Bryant 3508 4-10H (Actual)

All data is in Feet unless otherwise stated  
Coordinates are from Slot MD's are from Slot and TVD's are from Slot ( Bryant 3508 4-10H 0.00ft above Mean Sea Level )  
Vertical Section is from 0.00N 0.00E on azimuth 179.670 degrees  
Bottom hole distance is 4720.54 Feet on azimuth 179.57 degrees from Wellhead  
Calculation method uses Minimum Curvature method  
Prepared by  
Date Printed: 30-Oct-2013



**BASIN SERVICES, LLC**  
 P O BOX 4268  
 ABILENE, TX 79608-4268  
 Phone # (325)690-0053  
 Fax # (325)698-0055

# TICKET

TICKET NUMBER: WY-135-1  
 TICKET DATE: 10/12/2013

**ELECTRONIC**

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

YARD: WY WAYNOKA OK  
 LEASE: Bryant 3508  
 WELL#: 4-10H  
 RIG #: Unit 9  
 Co/St: HARPER, KS

DESCRIPTION	QUANTITY	RATE	AMOUNT
10/11-12/2013 DRILLED 30" CONDUCTOR HOLE			
10/11-12/2013 20" CONDUCTOR PIPE (.250 WALL)			
10/11-12/2013 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING			
10/11-12/2013 DRILL & INSTALL 6' X 6' CELLAR TINHORN			
10/11-12/2013 DRILLED 20" MOUSE HOLE (PER FOOT)			
10/11-12/2013 16" CONDUCTOR PIPE (.250 WALL)			
10/11-12/2013 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE			
10/11-12/2013 WELDING SERVICES FOR PIPE & LIDS			
10/11-12/2013 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE			
10/11-12/2013 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE)			
10/11-12/2013 10 YDS OF 10 SACK GROUT			
10/11-12/2013 TAXABLE ITEMS			5,400.00
10/11-12/2013 BID - TAXABLE ITEMS			11,550.00
		Sub Total:	16,950.00
		Tax HARPER COUNTY (6.15 %):	332.10
		TICKET TOTAL:	<u>\$ 17,282.10</u>

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

Approved Signature \_\_\_\_\_

<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK 3116</b>	TICKET DATE <b>10/19/13</b>
COUNTY <b>Harper</b>	State <b>Kansas</b>	COMPANY <b>Bridge Exploration &amp; Produc</b>	CUSTOMER REP <b>Dwayne Burt</b>	
LEASE NAME <b>Bryant 3508</b>	Well No. <b>4-10H</b>	JOB TYPE <b>Surface</b>	EMPLOYEE NAME <b>ROBERT BURRIS</b>	

EMP NAME					
Robert Burris		0			
Mike Hall					
Cheryl Newton					
NATE COTTA					

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
Packer Type \_\_\_\_\_ Set At **0**  
Bottom Hole Temp. **80** Pressure \_\_\_\_\_  
Retainer Depth \_\_\_\_\_ Total Depth **781**

Date	Called Out <b>10/19/2013</b>	On Location <b>10/19/2013</b>	Job Started <b>10/19/2013</b>	Job Completed <b>10/19/2013</b>
Time	<b>14:00</b>	<b>16:00</b>	<b>19:43</b>	<b>21:40</b>

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	36#	9 1/2"		Surface	787	1,500
Liner						
Liner						
Tubing		0				
Drill Pipe						
Open Hole		12 1/4"		Surface	781	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Material	WBM	Density	9	Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal
Spacer type	resh Water	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

Date	Hours	Date	Hours	Description of Job
10/19	5.0	10/19	1.0	Surface
Total	5.0	Total	1.0	

Perfpac Balls \_\_\_\_\_ Qty. \_\_\_\_\_  
Other \_\_\_\_\_  
Other \_\_\_\_\_  
Other \_\_\_\_\_  
Other \_\_\_\_\_

Pressures

MAX	1,500 PSI	AVG.	525
Average Rates in BPM			
MAX	6 BPM	AVG	4
Cement Left in Pipe			
Feet	46	Reason	SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	265	EX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/2pps Cello-Flake - .5% C-41P	11.11	2.01	12.40
2	170	Premium Plus (Class C)	2% Calcium Chloride - 1/2pps Cello-Flake	6.32	1.32	14.80
3	0	0		0	0.00	0.00

Summary

Preflush Breakdown	Type: _____	MAXIMUM _____	1,500 PSI	Preflush: BBI _____	10.00	Type: Fresh Water
	Lost Returns-N _____	NO/FULL _____		Load & Bkdn: Gal - BBI _____	N/A	Pad:Bbl -Gal _____
	Actual TOC _____	SURFACE _____		Excess /Return BBI _____	32	Calc. Disp Bbl _____
Average	Bump Plug PSI: _____	1,500		Calc. TOC: _____	SURFACE	Actual Disp. _____
ISIP _____	5 Min. _____	10 Min. _____	15 Min. _____	Final Circ. PSI: _____	450	Disp:Bbl _____
				Cement Slurry: BBI _____	135.0	
				Total Volume BBI _____	200.00	

CUSTOMER REPRESENTATIVE Dwayne Burt SIGNATURE

<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK 3134</b>	TICKET DATE <b>10/26/13</b>
COUNTY <b>Harper</b>	State <b>Kansas</b>	COMPANY <b>Sandridge Exploration &amp; Production</b>	CUSTOMER REP <b>Dewayne Burt</b>	
LEASE NAME <b>Bryant 3508</b>	Well No. <b>4-10H</b>	JOB TYPE <b>Intermediate</b>	EMPLOYEE NAME <b>Arthur Setzer</b>	

EMP NAME	0				
Arthur Setzer					
Jared Green					
Robert Stonehocker					
Scott Woods					

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
Packer Type \_\_\_\_\_ Set At 4,067'  
Bottom Hole Temp. 130 Pressure \_\_\_\_\_  
Retainer Depth \_\_\_\_\_ Total Depth 5,500'

Date	Called Out <b>10/25/2013</b>	On Location <b>10/25/2013</b>	Job Started <b>10/26/2013</b>	Job Completed <b>10/26/2013</b>
Time	<b>1300</b>	<b>1900</b>	<b>0020</b>	<b>0300</b>

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	5,504	5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 3/4"		Surface	5,525'	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	8.33	
Spacer type	gel	30	9.20
Spacer type	BBL.		
Acid Type	Gal.		%
Acid Type	Gal.		%
Surfactant	Gal.		In
NE Agent	Gal.		In
Fluid Loss	Gal/Lb		In
Gelling Agent	Gal/Lb		In
Fric. Red.	Gal/Lb		In
MISC.	Gal/Lb		In

Perfpac Balls \_\_\_\_\_ Qty. \_\_\_\_\_  
Other \_\_\_\_\_  
Other \_\_\_\_\_  
Other \_\_\_\_\_  
Other \_\_\_\_\_

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
10/25	8.0	10/26	3.0	Intermediate
Total	8.0	Total	3.0	

MAX 5,000 PSI		AVG 800	
Average Rates in BPM			
MAX 8 BPM		AVG 5	
Cement Left in Pipe			
Feet	83	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	215	50/50 POZ PREMIUM	4% Gel - 0.2% FL-17 - 0.1% C-51 - 0.4% C-41P	6.93	1.43	13.60
2	100	Premium	0.2% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.4% C-41P	5.19	1.19	15.60

Summary							
Preflush	_____	Type: _____	gel	Preflush:	BBI	30.00	Type: Gel Spacer
Breakdown	_____	MAXIMUM	5,000 PSI	Load & Bkdn:	Gal - BBI	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBI	N/A	Calc.Disp Bbl 208
		Actual TOC		Calc. TOC:		3,533	Actual Disp. 208.00
Average		Bump Plug PSI:		Final Circ. PSI:		800	Disp:Bbl 208.00
ISIF	5 Min. _____	10 Min _____	15 Min _____	Cement Slurry	BBI	75.0	
				Total Volume	BBI	313.00	

CUSTOMER REPRESENTATIVE \_\_\_\_\_  
SIGNATURE

Section 3  
35S 8W

Section 2  
35S 8W

BRYANT 3508 3-10H

BRYANT 3508 1-10H

BRYANT 3508 4-10H

BRYANT 3508 2-10H

Miss Entry: 5021'  
-98.171259 37.019387

Top Perf: 5547'  
-98.171189 37.018158

Harper County

Section 10  
35S 8W

Section 11  
35S 8W

Bottom Perf: 8848'  
-98.170899 37.009233

BHL: 9220'  
-98.170787 37.008179

432' FSL

1828' FEL

Section 15  
35S 8W

Section 14  
35S 8W



**Actual Bottom-Hole Location of Bryant 3508 4-10H**  
Harper County, Kansas  
T&R: 35S 8W  
Section: 10, 1828' FEL & 432' FSL  
-98.170787 37.008179

1 in = 658 ft

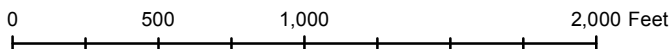


● Actual BH Location

\* SandRidge Wells

--- Perf

□ Sections



Draftsman:

Naomi Martinez

Draft Date: 2/3/2014

Drawing Name/Number:

Addendum\_Bryant 3508 4-10H.mxd

Coordinate System:

NAD 1927 State Plane  
Kansas South FIPS: 1502