



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1155906
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: _____



1155906

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> <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	Bryant 3508 3-10H
Doc ID	1155906

All Electric Logs Run

Boresight
Prizm Log
Induction
Porosity
Mud Log

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Bryant 3508 3-10H
Doc ID	1155906

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8658-8896	36 bbls 15% HCL acid; 5691 bbls slickwater; TLTR 5962 bbls	
5	8318-8600	36 bbls 15% HCL acid; 5783 bbls slickwater; TLTR 11498 bbls	
5	7968-8260	36 bbls 15% HCL acid; 5704 bbls slickwater; TLTR 16905 bbls	
5	7584-7898	36 bbls 15% HCL acid; 5763 bbls slickwater; TLTR 22464 bbls	
5	7229-7488	36 bbls 15% HCL acid; 5790 bbls slickwater; TLTR 28020 bbls	
5	6880-7160	36 bbls 15% HCL acid; 5605 bbls slickwater; TLTR 33490 bbls	
5	6498-6758	36 bbls 15% HCL acid; 5717 bbls slickwater; TLTR 38898 bbls	
5	6127-6447	36 bbls 15% HCL acid; 5432 bbls slickwater; TLTR 44416 bbls	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Bryant 3508 3-10H
Doc ID	1155906

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	5769-6042	36 bbls 15% HCL acid; 5831 bbls slickwater; TLTR 49568 bbls	

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



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

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

August 21, 2013

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

Re: ACO1
API 15-077-21950-01-00
Bryant 3508 3-10H
NW/4 Sec.10-35S-08W
Harper County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Tiffany Golay

Sandridge Energy, INC.(mid-con.)

Harper Co. (KS27S)

Sec 10-T35S-R08W

Bryant 3508 3-10H/ Job # 04386-431-22/Horizon 15

Wellbore #1

Design: Wellbore #1

Standard Survey Report

19 August, 2013

Archer Survey Report

Company: Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference: Well Bryant 3508 3-10H/ Job # 04386-431-22/Horizon 15
Project: Harper Co. (KS27S)	TVD Reference: WELL @ 1298.0usft (Original Well Elev)
Site: Sec 10-T35S-R08W	MD Reference: WELL @ 1298.0usft (Original Well Elev)
Well: Bryant 3508 3-10H/ Job # 04386-431-22/Horizon 15	North Reference: Grid
Wellbore: Wellbore #1	Survey Calculation Method: Minimum Curvature
Design: Wellbore #1	Database: EDM 5000.1 Single User Db

Project Harper Co. (KS27S)	
Map System: US State Plane 1927 (Exact solution)	System Datum: Mean Sea Level
Geo Datum: NAD 1927 (NADCON CONUS)	
Map Zone: Kansas South 1502	

Site Sec 10-T35S-R08W		
Site Position:	Northing: 124,086.00 usft	Latitude: 37° 0' 25.250 N
From: Map	Easting: 2,092,783.00 usft	Longitude: 98° 10' 56.218 W
Position Uncertainty: 0.0 usft	Slot Radius: 13-3/16 "	Grid Convergence: 0.20 °

Well Bryant 3508 3-10H/ Job # 04386-431-22/Horizon 15			
Well Position	+N/-S 0.0 usft	Northing: 129,046.00 usft	Latitude: 37° 1' 14.268 N
	+E/-W 0.0 usft	Easting: 2,093,424.00 usft	Longitude: 98° 10' 48.106 W
Position Uncertainty	0.0 usft	Wellhead Elevation: usft	Ground Level: 1,280.0 usft

Wellbore Wellbore #1					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2013/07/31	4.54	65.12	51,672

Design Wellbore #1					
Audit Notes:					
Version: 1.0	Phase: ACTUAL	Tie On Depth: 0.0			
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	179.79	

Survey Program		Date 2013/08/19		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
261.0	511.0	Single Shot MWD Survey (Wellbore #1)	MWD	MWD - Standard
869.0	3,314.0	Archer MWD Survey (Wellbore #1)	MWD	MWD - Standard
3,568.0	9,010.0	Archer ST1 (Wellbore #1)	MWD	MWD - Standard

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
261.0	0.20	78.70	261.0	0.1	0.4	-0.1	0.08	0.08	0.00	
First Single Shot MWD Survey										
511.0	0.10	78.70	511.0	0.2	1.1	-0.2	0.04	-0.04	0.00	
Last Single Shot MWD Survey										
869.0	0.20	78.70	869.0	0.4	2.0	-0.4	0.03	0.03	0.00	
First Archer OH MWD Survey										
961.0	0.30	57.90	961.0	0.6	2.4	-0.6	0.15	0.11	-22.61	

Archer

Survey Report

Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Bryant 3508 3-10H/ Job # 04386-431-22/Horizon 15
Project:	Harper Co. (KS27S)	TVD Reference:	WELL @ 1298.0usft (Original Well Elev)
Site:	Sec 10-T35S-R08W	MD Reference:	WELL @ 1298.0usft (Original Well Elev)
Well:	Bryant 3508 3-10H/ Job # 04386-431-22/Horizon 15	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,417.0	0.40	7.30	1,417.0	2.8	3.6	-2.8	0.07	0.02	-11.10
1,891.0	0.90	42.70	1,891.0	7.2	6.3	-7.1	0.13	0.11	7.47
2,365.0	1.10	40.80	2,364.9	13.3	11.8	-13.3	0.04	0.04	-0.40
2,840.0	0.50	54.70	2,839.8	18.0	16.5	-17.9	0.13	-0.13	2.93
3,314.0	1.00	107.00	3,313.8	18.0	22.1	-17.9	0.17	0.11	11.03
3,568.0	1.10	148.20	3,567.8	15.2	25.5	-15.2	0.29	0.04	16.22
First Archer ST1 MWD Survey									
3,599.0	1.30	143.70	3,598.8	14.7	25.9	-14.6	0.71	0.65	-14.52
3,630.0	2.10	151.00	3,629.7	13.9	26.4	-13.8	2.67	2.58	23.55
3,662.0	4.10	158.00	3,661.7	12.4	27.1	-12.3	6.35	6.25	21.88
3,694.0	5.10	164.20	3,693.6	9.9	27.9	-9.8	3.49	3.13	19.38
3,725.0	5.60	164.80	3,724.5	7.1	28.7	-7.0	1.62	1.61	1.94
3,757.0	5.70	162.60	3,756.3	4.1	29.6	-4.0	0.75	0.31	-6.88
3,788.0	5.80	163.30	3,787.1	1.1	30.5	-1.0	0.39	0.32	2.26
3,820.0	5.80	166.40	3,819.0	-2.0	31.3	2.1	0.98	0.00	9.69
3,851.0	6.10	164.00	3,849.8	-5.1	32.1	5.2	1.26	0.97	-7.74
3,882.0	6.10	164.10	3,880.6	-8.2	33.0	8.4	0.03	0.00	0.32
3,913.0	6.00	163.50	3,911.5	-11.4	34.0	11.5	0.38	-0.32	-1.94
3,944.0	6.00	166.20	3,942.3	-14.5	34.8	14.6	0.91	0.00	8.71
3,976.0	7.60	169.40	3,974.1	-18.2	35.6	18.3	5.14	5.00	10.00
4,008.0	10.50	171.60	4,005.7	-23.2	36.4	23.3	9.13	9.06	6.88
4,039.0	13.50	173.90	4,036.0	-29.6	37.2	29.7	9.80	9.68	7.42
4,071.0	15.10	173.90	4,067.0	-37.4	38.0	37.6	5.00	5.00	0.00
4,103.0	16.00	176.70	4,097.8	-46.0	38.7	46.1	3.66	2.81	8.75
4,134.0	18.20	177.70	4,127.4	-55.1	39.2	55.2	7.16	7.10	3.23
4,166.0	21.00	175.90	4,157.6	-65.8	39.8	65.9	8.95	8.75	-5.63
4,197.0	23.90	176.40	4,186.2	-77.6	40.6	77.8	9.38	9.35	1.61
4,229.0	25.70	176.70	4,215.3	-91.0	41.4	91.2	5.64	5.63	0.94
4,261.0	27.40	177.40	4,243.9	-105.3	42.1	105.4	5.40	5.31	2.19
4,292.0	29.10	178.40	4,271.2	-120.0	42.7	120.1	5.69	5.48	3.23
4,323.0	30.80	178.10	4,298.1	-135.4	43.1	135.6	5.51	5.48	-0.97
4,355.0	32.00	179.60	4,325.4	-152.1	43.5	152.2	4.47	3.75	4.69
4,386.0	33.50	180.40	4,351.5	-168.9	43.5	169.0	5.04	4.84	2.58
4,418.0	34.70	180.70	4,378.0	-186.8	43.3	187.0	3.79	3.75	0.94
4,449.0	36.40	181.90	4,403.2	-204.8	42.9	205.0	5.93	5.48	3.87
4,481.0	38.20	183.50	4,428.6	-224.2	42.0	224.3	6.39	5.63	5.00
4,513.0	39.40	183.20	4,453.6	-244.2	40.8	244.3	3.80	3.75	-0.94
4,544.0	40.70	183.80	4,477.3	-264.1	39.6	264.3	4.37	4.19	1.94
4,576.0	42.40	184.20	4,501.3	-285.3	38.1	285.4	5.38	5.31	1.25
4,607.0	44.80	182.10	4,523.7	-306.6	36.9	306.8	9.04	7.74	-6.77
4,639.0	47.20	181.70	4,545.9	-329.6	36.2	329.8	7.55	7.50	-1.25
4,671.0	48.70	180.00	4,567.4	-353.4	35.8	353.5	6.13	4.69	-5.31

Archer

Survey Report

Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Bryant 3508 3-10H/ Job # 04386-431-22/Horizon 15
Project:	Harper Co. (KS27S)	TVD Reference:	WELL @ 1298.0usft (Original Well Elev)
Site:	Sec 10-T35S-R08W	MD Reference:	WELL @ 1298.0usft (Original Well Elev)
Well:	Bryant 3508 3-10H/ Job # 04386-431-22/Horizon 15	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,702.0	51.10	179.30	4,587.3	-377.1	36.0	377.2	7.93	7.74	-2.26
4,734.0	53.10	179.30	4,607.0	-402.3	36.3	402.5	6.25	6.25	0.00
4,765.0	54.50	180.60	4,625.3	-427.4	36.3	427.5	5.64	4.52	4.19
4,797.0	56.40	180.10	4,643.4	-453.7	36.1	453.8	6.08	5.94	-1.56
4,829.0	58.10	179.60	4,660.8	-480.6	36.2	480.8	5.47	5.31	-1.56
4,860.0	60.00	180.10	4,676.7	-507.2	36.3	507.3	6.28	6.13	1.61
4,892.0	61.50	180.00	4,692.3	-535.1	36.2	535.3	4.70	4.69	-0.31
4,924.0	63.50	180.00	4,707.1	-563.5	36.2	563.6	6.25	6.25	0.00
4,956.0	65.80	180.50	4,720.8	-592.4	36.1	592.6	7.32	7.19	1.56
4,987.0	67.40	179.10	4,733.1	-620.9	36.2	621.0	6.62	5.16	-4.52
5,019.0	69.10	180.00	4,745.0	-650.6	36.4	650.7	5.92	5.31	2.81
5,050.0	70.50	180.60	4,755.7	-679.7	36.3	679.8	4.87	4.52	1.94
5,083.0	72.20	180.90	4,766.2	-710.9	35.9	711.1	5.22	5.15	0.91
5,114.0	73.60	180.20	4,775.3	-740.6	35.6	740.7	5.01	4.52	-2.26
5,146.0	75.60	180.50	4,783.8	-771.4	35.4	771.5	6.32	6.25	0.94
5,177.0	77.10	180.60	4,791.2	-801.5	35.1	801.7	4.85	4.84	0.32
5,209.0	77.80	180.20	4,798.1	-832.8	34.9	832.9	2.50	2.19	-1.25
5,240.0	78.50	180.40	4,804.5	-863.1	34.7	863.2	2.34	2.26	0.65
5,272.0	79.20	180.20	4,810.7	-894.5	34.6	894.6	2.27	2.19	-0.63
5,303.0	80.40	180.40	4,816.2	-925.0	34.4	925.1	3.92	3.87	0.65
5,335.0	81.90	180.70	4,821.1	-956.6	34.1	956.8	4.78	4.69	0.94
5,366.0	83.10	180.00	4,825.1	-987.4	33.9	987.5	4.47	3.87	-2.26
5,398.0	84.60	180.00	4,828.6	-1,019.2	33.9	1,019.3	4.69	4.69	0.00
5,429.0	87.20	180.60	4,830.8	-1,050.1	33.8	1,050.2	8.61	8.39	1.94
5,461.0	88.50	181.40	4,832.0	-1,082.1	33.2	1,082.2	4.77	4.06	2.50
5,493.0	89.40	181.10	4,832.6	-1,114.1	32.5	1,114.2	2.96	2.81	-0.94
5,524.0	89.10	181.30	4,833.0	-1,145.1	31.9	1,145.2	1.16	-0.97	0.65
5,555.0	89.40	181.20	4,833.4	-1,176.0	31.2	1,176.2	1.02	0.97	-0.32
5,587.0	88.50	182.00	4,834.0	-1,208.0	30.3	1,208.1	3.76	-2.81	2.50
5,619.0	88.70	183.10	4,834.7	-1,240.0	28.9	1,240.1	3.49	0.63	3.44
5,651.0	89.40	182.90	4,835.3	-1,271.9	27.2	1,272.0	2.28	2.19	-0.63
5,682.0	90.20	183.30	4,835.4	-1,302.9	25.5	1,303.0	2.89	2.58	1.29
5,714.0	91.20	183.10	4,835.0	-1,334.8	23.7	1,334.9	3.19	3.13	-0.63
5,767.0	88.90	183.10	4,834.9	-1,387.8	20.9	1,387.8	4.34	-4.34	0.00
5,862.0	88.20	184.50	4,837.3	-1,482.5	14.6	1,482.6	1.65	-0.74	1.47
5,957.0	87.90	182.20	4,840.6	-1,577.3	9.0	1,577.3	2.44	-0.32	-2.42
6,053.0	89.50	179.30	4,842.8	-1,673.2	7.8	1,673.3	3.45	1.67	-3.02
6,147.0	90.90	178.00	4,842.4	-1,767.2	10.0	1,767.2	2.03	1.49	-1.38
6,242.0	92.00	177.20	4,840.0	-1,862.1	14.0	1,862.1	1.43	1.16	-0.84
6,337.0	91.30	178.30	4,837.3	-1,957.0	17.7	1,957.0	1.37	-0.74	1.16
6,431.0	90.00	179.80	4,836.2	-2,051.0	19.2	2,051.0	2.11	-1.38	1.60
6,525.0	91.20	180.10	4,835.2	-2,145.0	19.3	2,145.0	1.32	1.28	0.32
6,620.0	90.40	180.70	4,833.9	-2,239.9	18.7	2,240.0	1.05	-0.84	0.63

Archer Survey Report

Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Bryant 3508 3-10H/ Job # 04386-431-22/Horizon 15
Project:	Harper Co. (KS27S)	TVD Reference:	WELL @ 1298.0usft (Original Well Elev)
Site:	Sec 10-T35S-R08W	MD Reference:	WELL @ 1298.0usft (Original Well Elev)
Well:	Bryant 3508 3-10H/ Job # 04386-431-22/Horizon 15	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
6,715.0	89.00	180.30	4,834.4	-2,334.9	17.8	2,335.0	1.53	-1.47	-0.42	
6,810.0	89.40	181.40	4,835.7	-2,429.9	16.4	2,430.0	1.23	0.42	1.16	
6,905.0	89.70	182.00	4,836.5	-2,524.9	13.6	2,524.9	0.71	0.32	0.63	
7,000.0	87.20	182.40	4,839.0	-2,619.8	10.0	2,619.8	2.67	-2.63	0.42	
7,094.0	88.70	183.60	4,842.4	-2,713.6	5.1	2,713.6	2.04	1.60	1.28	
7,189.0	91.50	185.30	4,842.2	-2,808.3	-2.3	2,808.2	3.45	2.95	1.79	
7,284.0	89.80	184.80	4,841.2	-2,902.9	-10.7	2,902.8	1.87	-1.79	-0.53	
7,379.0	86.50	181.40	4,844.2	-2,997.7	-15.8	2,997.6	4.99	-3.47	-3.58	
7,474.0	88.40	180.00	4,848.5	-3,092.6	-17.0	3,092.5	2.48	2.00	-1.47	
7,568.0	91.90	181.20	4,848.2	-3,186.5	-18.0	3,186.4	3.94	3.72	1.28	
7,663.0	89.90	177.80	4,846.7	-3,281.5	-17.1	3,281.4	4.15	-2.11	-3.58	
7,758.0	90.30	179.20	4,846.6	-3,376.5	-14.6	3,376.4	1.53	0.42	1.47	
7,853.0	88.40	176.60	4,847.6	-3,471.4	-11.2	3,471.3	3.39	-2.00	-2.74	
7,947.0	90.50	177.80	4,848.5	-3,565.3	-6.6	3,565.2	2.57	2.23	1.28	
8,042.0	90.80	175.60	4,847.5	-3,660.1	-1.1	3,660.1	2.34	0.32	-2.32	
8,138.0	88.90	174.90	4,847.7	-3,755.8	6.8	3,755.8	2.11	-1.98	-0.73	
8,233.0	88.30	174.10	4,850.0	-3,850.3	15.9	3,850.3	1.05	-0.63	-0.84	
8,328.0	87.60	173.50	4,853.4	-3,944.7	26.2	3,944.7	0.97	-0.74	-0.63	
8,423.0	93.80	174.40	4,852.3	-4,039.1	36.2	4,039.2	6.59	6.53	0.95	
8,517.0	87.80	173.90	4,851.0	-4,132.5	45.8	4,132.7	6.41	-6.38	-0.53	
8,612.0	90.10	176.10	4,852.7	-4,227.2	54.1	4,227.3	3.35	2.42	2.32	
8,707.0	89.70	172.20	4,852.9	-4,321.6	63.7	4,321.9	4.13	-0.42	-4.11	
8,802.0	93.30	175.60	4,850.4	-4,416.0	73.8	4,416.3	5.21	3.79	3.58	
8,897.0	96.40	178.90	4,842.3	-4,510.6	78.4	4,510.8	4.76	3.26	3.47	
8,951.0	98.40	182.50	4,835.4	-4,564.1	77.7	4,564.4	7.58	3.70	6.67	
Last Archer ST1 MWD Survey										
9,010.0	98.40	182.50	4,826.8	-4,622.4	75.2	4,622.7	0.00	0.00	0.00	
Projection to TD - PBHL Bryant 3-10H										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
261.0	261.0	0.1	0.4	First Single Shot MWD Survey	
511.0	511.0	0.2	1.1	Last Single Shot MWD Survey	
869.0	869.0	0.4	2.0	First Archer OH MWD Survey	
3,568.0	3,567.8	15.2	25.5	First Archer ST1 MWD Survey	
8,951.0	4,835.4	-4,564.1	77.7	Last Archer ST1 MWD Survey	
9,010.0	4,826.8	-4,622.4	75.2	Projection to TD	

Checked By: _____ Approved By: _____ Date: _____

Section 4
35S 8W

Section 3
35S 8W

BRYANT 3508 4-10H

BRYANT 3508 3-10H

BRYANT 3508 1-10H

Miss Entry: 5111'
-98.180259 37.018621

Top Perf: 5769'
-98.180317 37.016843

Section 9
35S 8W

Section 10
35S 8W

Harper County

Bottom Perf: 8658'
-98.180237 37.009045

BHL: 8951'
-98.18016 37.00812

726' FWL

413' FSL

Section 16
35S 8W

Section 15
35S 8W



Actual Bottom-Hole Location of Bryant 3508 3-10H
Harper County
T&R: 35S 8W
Section: 10, 626' FWL & 413' FSL
-98.18016 37.00812

1 in = 667 ft

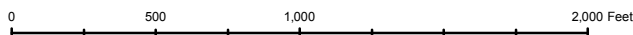


● Actual BH Location

* SandRidge Wells

--- Perf

□ Sections



Draftsman:

Aaron Birk

Draft Date: 11/21/2013

Drawing Name/Number:

Addendum_Bryant 3508 3-10H.mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502



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

INVOICE

INVOICE NO.: 485
 INVOICE DATE: 08/19/2013

SANDRIDGE ENERGY
 123 ROBERT S KERR AVE
 OKLAHOMA CITY, OK 73102-6406

YARD: WY WAYNOKA OK
 LEASE: Bryant 3508
 WELL#: 3-10H
 RIG #: Horizon 15
 Co/St: HARPER, KS

Tkt # WY-83-1 (10266) 07/31/2013

DESCRIPTION	FOOTAGE	QUANTITY	RATE	AMOUNT
7/31/2013 DRILLED 30" CONDUCTOR HOLE				
7/31/2013 20" CONDUCTOR PIPE (.250 WALL)				
7/31/2013 DRILL & INSTALL 6' X 6' CELLAR TINHORN				
7/31/2013 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING				
7/31/2013 DRILLED 20" MOUSE HOLE (PER FOOT)				
7/31/2013 16" CONDUCTOR PIPE (.250 WALL)				
7/31/2013 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE				
7/31/2013 WELDING SERVICES FOR PIPE & LIDS				
7/31/2013 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE				
7/31/2013 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE)				
7/31/2013 10 SACK GROUT				
7/31/2013 TAXABLE ITEMS				4,500.00
7/31/2013 BID - TAXABLE ITEMS				7,450.00
				Sub Total: 11,950.00
				Tax HARPER COUNTY (6.3 %): 283.50
				PLEASE PAY THIS AMOUNT: <u>\$ 12,233.50</u>



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AUG 19 2013

Cementing Service Report

REGULATORY DEPT
SANDRIDGE ENERGY

Customer Sandridge				Job Number 1018358					
Well Bryant 3508 3-10H		Location (legal) Bryant		Schlumberger Location		Job Start Aug/04/2013			
Field Bryant		Formation Name/Type		Deviation		Bit Size 12.3 in	Well MD 785.0 ft	Well TVD 785.0 ft	
County Bryant		State/Province Kansas		BHP	BHST 89 degF	BHCT 85 degF	Pore Press. Gradient		
Well Master 0631480046		API/UWI 15077219500100		Casing/Liner					
Rig Name Horizon 15	Drilled For Oil & Gas	Service Via Land		Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone	Well Class New	Well Type Development		789.3	9.630	36.0	J55	8RD	
Drilling Fluid Type	Max. Density	Plastic Viscosity		0.0	0.000	0.0			
Service Line Cementing	Job Type Cem Surface Casing		Tubing/Drill Pipe						
Max. Allowed Tub. Press 5000 psi	Max. Allowed Ann. Press	WH Connection Single Cement head		Depth,	Size,	Weight,	Grade	Thread	
Service Instructions Provide quality products and services to safely cement 800ft of 9-5/8" surface casing in a 12.25" OH with 150% excess per client request.				Perforations/Open Hole					
				Top,	Bottom,	No. of Shots	Total Interval		
				Diameter	Treat Down Casing	Displacement 57.4 bbl	Packer Type	Packer Depth	
				Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.		
Casing/Tubing Secured <input type="checkbox"/>	1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>	Casing Tools			Squeeze Job				
Lift Pressure 306 psi		Shoe Type	Guide		Squeeze Type				
Pipe Rotated <input type="checkbox"/>	Pipe Reciprocated <input type="checkbox"/>	Shoe Depth 789.3 ft	Tool Type						
No. Centralizers 0	Top Plugs 1	Bottom Plugs 0	Stage Tool Type		Tool Depth				
Cement Head Type Single		Stage Tool Depth		Tail Pipe Size					
Job Scheduled For Aug/04/2013	Arrived on Location Aug/04/2013	Leave Location Aug/04/2013		Collar Type		Float	Tail Pipe Depth		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
08/04/2013	09:54:30	-0	0.0	8.34	0.0				
08/04/2013	09:54:32					Start Job			
08/04/2013	09:54:32	0	0.0	8.34	0.0				
08/04/2013	09:54:33					Start Pumping Spacer			
08/04/2013	09:54:33	0	0.0	8.34	0.0				
08/04/2013	09:56:00	-0	0.0	8.34	0.0				
08/04/2013	09:57:30	86	3.1	8.31	1.9				
08/04/2013	09:59:00	1048	0.0	8.39	3.0				
08/04/2013	09:59:09					Pressure Test Low 1000 PSI			
08/04/2013	09:59:09	1036	0.0	8.39	3.0				
08/04/2013	10:00:30	3892	0.0	8.39	3.0				
08/04/2013	10:01:32					Pressure Test High 5000 PSI			
08/04/2013	10:01:32	4685	0.0	8.39	3.0				
08/04/2013	10:02:00	4432	0.0	8.39	3.0				
08/04/2013	10:03:30	92	3.4	8.38	4.1				
08/04/2013	10:05:00	175	5.3	8.37	12.0				
08/04/2013	10:06:10					End Spacer			
08/04/2013	10:06:10	128	4.4	9.03	15.2				
08/04/2013	10:06:13					Start Mixing Lead Slurry			
08/04/2013	10:06:13	140	4.4	9.02	15.4				
08/04/2013	10:06:30	191	5.2	10.20	16.9				

Well			Field	Job Start	Customer	Job Number
Bryant 3508 3-10H			Bryant	Aug/04/2013	Sandridge	1018358
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
08/04/2013	10:09:30	219	0.0	0.34	27.3	
08/04/2013	10:11:00	178	0.0	15.93	31.6	
08/04/2013	10:12:30	153	0.0	12.48	36.1	
08/04/2013	10:14:00	171	0.0	11.03	38.8	
08/04/2013	10:15:30	176	0.0	11.04	38.8	
08/04/2013	10:17:00	174	0.0	3.82	40.4	
08/04/2013	10:18:30	163	0.0	-0.02	41.3	
08/04/2013	10:20:00	180	5.1	12.53	47.0	
08/04/2013	10:21:30	189	5.1	12.45	54.4	
08/04/2013	10:23:00	183	0.0	14.38	58.7	
08/04/2013	10:24:30	150	0.0	11.24	60.8	
08/04/2013	10:25:29					End Lead Slurry
08/04/2013	10:25:29					Start Mixing Tail Slurry
08/04/2013	10:25:29	195	4.8	8.87	61.7	
08/04/2013	10:26:00	103	0.0	18.56	62.4	
08/04/2013	10:27:30	252	0.0	-0.02	64.8	
08/04/2013	10:29:00	219	0.0	4.17	64.8	
08/04/2013	10:30:30	198	4.7	13.14	69.9	
08/04/2013	10:32:00	237	0.0	4.82	70.2	
08/04/2013	10:33:30	107	3.2	14.69	74.3	
08/04/2013	10:35:00	114	3.5	14.50	79.3	
08/04/2013	10:35:06					End Tail Slurry
08/04/2013	10:35:06	111	3.5	14.50	79.6	
08/04/2013	10:35:07					Drop Top Plug
08/04/2013	10:35:07	114	3.5	14.49	79.7	
08/04/2013	10:35:08					Start Displacement
08/04/2013	10:35:08	27	3.4	14.49	79.7	
08/04/2013	10:36:30	8	0.0	14.03	80.0	
08/04/2013	10:38:00	9	0.0	10.76	80.0	
08/04/2013	10:39:30	58	3.4	9.33	81.8	
08/04/2013	10:41:00	199	5.5	8.63	87.8	
08/04/2013	10:42:30	268	5.5	8.31	96.0	
08/04/2013	10:44:00	227	5.3	8.38	104.1	
08/04/2013	10:45:30	251	4.7	8.38	110.4	
08/04/2013	10:47:00	226	6.1	8.38	119.2	
08/04/2013	10:48:30	263	2.9	8.38	123.9	
08/04/2013	10:50:00	311	2.9	8.38	128.2	
08/04/2013	10:51:30	277	2.9	8.38	132.5	
08/04/2013	10:53:00	303	2.9	8.38	136.8	
08/04/2013	10:53:58					Bump Top Plug
08/04/2013	10:53:58	1412	0.0	8.38	137.4	
08/04/2013	10:53:59					End Displacement
08/04/2013	10:53:59	1412	0.0	8.38	137.4	
08/04/2013	10:54:09					Check Floats
08/04/2013	10:54:09	1411	0.0	8.38	137.4	
08/04/2013	10:54:30	1410	0.0	8.38	137.4	
08/04/2013	10:56:00	1189	0.0	8.38	137.4	
08/04/2013	10:57:30	2	0.0	8.25	137.4	
08/04/2013	10:58:32					Floats Held
08/04/2013	10:58:32	2	0.0	0.97	138.9	
08/04/2013	10:58:33					End Job

Well Bryant 3508 3-10H	Field Bryant	Job Start Aug/04/2013	Customer Sandridge	Job Number 1018358
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 5.0	N2	Mud	Maximum Rate 6.0	Total Slurry 135.2	Mud	Spacer 10.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 5000	Final 1423	Average 300	Bump Plug to 1423	Breakdown	Type	Volume	Density	
Avg. N2 Percent	Designed Slurry Volume	Displacement 57.4 bbl	Mix Water Temp	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 40.0 bbl			
Customer or Authorized Representative Jesse New			Schlumberger Supervisor Dustin Green		Washed Thru Perfs <input type="checkbox"/>	To		
					Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>		
					-	-		



Service Order for i-District Job 1019377

Customer Name: SANDRIDGE ENERGY INC. - FOR ELECTRONIC INVOICING O	Person Taking Call:	Location: El Reno, OK WS	Order Date: 02-Aug-13 14:45	Job Number: 1019377		
Service Order Number:	Service Line: Cementing El Reno	Supervisor:	Legal Location:			
Well Name and Number: BRYANT -3508-, 3-10H	Pad/Platform:	Field:	County: HARPER	State/Prov: KS		
Well Master Number: 0631480046	API/UWI: 15077219500100	Rig Name: HORIZON #15	Well Age: New	Sales Engineer: Meshall Thomas		
Job Type: Cementing El Reno – Intermediate	Time Well Ready:	Deviation: 90 deg	Hole Size: 8.75 in	Well MD: 5737 ft		
Well TVD: 4835 ft	BHP: 2677 psi	BHST: 137 °F	BHCT: 129 °F	Treat Down: Casing		
Packer Type:	Packer Depth:	Min/Max Densities: Lead: 13.1/14.1 ppg Tail: 15.1/16.1 ppg	HHP on Location:	Max Allowed Pressure: 5000 psi		
Max Allowed Ann Pressure:		Job Stage Description: 7" Intermediate	FTL Ticket/Quote Number : CDL7-00323			
Casing/Tubing		Service Instructions:				
String Type	Depth	Size	Weight	Grade	Thread	
Casing	5737 ft	7 in	26 lb/ft	P-110	LTC	
		Provide equipment, services and personnel to safely cement 7" intermediate 2 casing per client specifications.				
		Pump 30 bbl gelled water, 250 sks 50:50 Poz:H lead @13.6ppg, 100 sks Class H tail @15.6ppg, drop top plug and displace per customer request.				
Client Contact						
Name	Voice	Fax	Email	Title	Company	Notes
Israel	281-617-4654					
Notes:						
TOC: 3539' -- volumes based on 8.75" OH + 40% XS						
Equipment: 7" HM and QC (8RD and BTC), top and bottom plugs, water hoses, air hoses, mud hoses and washup hoses (contingency), D047, B306 for gelled spacer, 1 Pump, 2 ABTs						
GET FIELD TICKET STAMPED.						
Directions:						
From Medford Okla go west on Hwy 11 24.0 miles turn north on CR-720 6.0 miles to stop sign continue north 6.9 miles turn north on Waldron rd 2.4 miles turn east on lease rd 0.2 miles into location						

Materials			
Name	Description	Quantity	Density
GELLED WATER	30 bbl gelled water	30.00 bbl	9.00 lb/gal
LEAD SLURRY	250 sks 50:50 Poz:H @ 13.60 ppg	362.50 ft3	13.60 lb/gal
TAIL SLURRY	100 sks Class H @ 15.60 ppg	119.00 ft3	15.60 lb/gal

Fluid Systems:

GELLED WATER				
30 bbl gelled water				
<i>Volume:</i>		30.00 bbl	<i>Final Fluid Density:</i> 9.00 lb/gal	
Code	Conc	Design	Total	Load out with excess
B306	0.200 gal/bbl	BVOWashVO	6.00 gal	6.00 gal

LEAD SLURRY				
250 sks 50:50 Poz:H @ 13.60 ppg				
<i>Sacks Of:</i>		Cement	<i>Total Blend/Cem:</i> 21,000.00 lb	
<i>Sack Weight:</i>		84.00 lb	<i>Sacks Blend/Cem:</i> 250.00 sks	
<i>Yield:</i>		1.45 ft3/sk	<i>Final Fluid Density:</i> 13.60 lb/gal	
<i>Mix Water:</i>		6.88 gal/sk	<i>Base Fluid Den:</i>	
Code	Conc	Design	Total	Load out with excess
D909	47.000 lb/sk	WTSK	11,750.00 lb	11,750.00 lb
D035	37.000 lb/sk	WTSK	9,250.00 lb	9,250.00 lb
D020	4.000 %	BWOB	840.00 lb	840.00 lb
D112	0.600 %	BWOB	126.00 lb	126.00 lb
D065	0.100 %	BWOB	21.00 lb	21.00 lb
D042	2.000 lb/sk	WTSK	500.00 lb	500.00 lb
D079	0.200 %	BWOB	42.00 lb	42.00 lb
D013	0.150 %	BWOB	31.50 lb	31.50 lb

TAIL SLURRY				
100 sks Class H @ 15.60 ppg				
<i>Sacks Of:</i>		Cement	<i>Total Blend/Cem:</i> 9,400.00 lb	
<i>Sack Weight:</i>		94.00 lb	<i>Sacks Blend/Cem:</i> 100.00 sks	
<i>Yield:</i>		1.19 ft3/sk	<i>Final Fluid Density:</i> 15.60 lb/gal	
<i>Mix Water:</i>		5.31 gal/sk	<i>Base Fluid Den:</i>	
Code	Conc	Design	Total	Load out with excess
D909	94.000 lb/sk	WTSK	9,400.00 lb	9,400.00 lb
D013	0.120 %	BWOC	11.28 lb	11.28 lb