



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1081291  
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: \_\_\_\_\_

1081291

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	Frusher 1-10H
Doc ID	1081291

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8289-8695	6074 bbls water, 43 bbls acid, 89M lbs sd, 6118 TLTR	
5	7783-8189	5321 bbls water, 37 bbls acid, 100M lbs sd, 11668 TLTR	
5	7278-7684	5333 bbls water, 38 bbls acid, 100M lbs sd, 17164 TLTR	
5	6772-7178	5656 bbls water, 36 bbls acid, 100M lbs sd, 22956 TLTR	
5	6267-6673	5186 bbls water, 36 bbls acid, 73M lbs sd, 28331 TLTR	
5	5761-6167	5256 bbls water, 36 bbls acid, 102M lbs sd, 33682 TLTR	
5	5256-5662	5168 bbls water, 29 bbls acid, 104M lbs sd, 38916 TLTR	
5	4750-5156	5870 bbls water, 29 bbls acid, 104M lbs sd, 44841 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Frusher 1-10H
Doc ID	1081291

### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	24	20	75	113	Mid-Continent Conductor 8 sack grout	15	none
Surface	12.25	9.63	36	749	Extendace m System/ Swift Cem System	440	3% Calcium Chloride, .25 lbm Poly-E-Flake
Intermediate	8.75	7	26	4744	Econocem System/ CMT-Premium Cement	200	.4% Halad(R)-9, 2 lbm Kol-Seal, 2% Bentonite
Liner	6.12	4.5	11.6	8797	Econocem System	450	.4% Halad(R)-9, 2lbm Kol-Seal, 2% Bentonite

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  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

May 15, 2012

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

Re: ACO1  
API 15-083-21762-01-00  
Frusher 1-10H  
NE/4 Sec.10-21S-24W  
Hodgeman 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



Standard Wellpath Report  
 Sandridge  
 Sec 10 - 21S - 24W, Kansas  
 Hodgeman County  
 Wellbore: Frusher 1-10H (Actual)

Wellbore

Name	Created	Last Revised
Frusher 1-10H (Actual)	29-Mar-2012	2-May-2012

Well

Name	Government ID	Last Revised
Frusher 1-10H		29-Mar-2012

Slot

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Frusher 1-10H	578571.0000	1587164.0000	N38 14 48.7943	W99 56 15.2376	199.01S	402.02W

Installation

Name	Easting	Northing	Coord System Name	North Alignment
Hodgeman County	1587566.0000	578770.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Field

Name	Easting	Northing	Coord System Name	North Alignment
Sec 10 - 21S - 24W	1587566.0000	578770.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Created By

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Comments

<p>FINAL surveys.          MD 8797 is a projection to Bit @ TD</p>
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Standard Wellpath Report  
 Sandridge  
 Sec 10 - 21S - 24W, Kansas  
 Hodgeman County  
 Wellbore: Frusher 1-10H (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	1587164.00	578571.00
771.00	0.30	138.800	771.00	1.52S	1.33E	0.04	1.51	1587165.33	578569.48
1013.00	0.20	254.100	1013.00	2.11S	1.34E	0.18	2.10	1587165.34	578568.89
1504.00	0.10	84.200	1503.99	2.30S	0.94E	0.06	2.29	1587164.94	578568.70
1981.00	0.10	242.200	1980.99	2.45S	0.99E	0.04	2.44	1587164.99	578568.55
2457.00	0.50	230.000	2456.99	3.98S	0.97W	0.08	3.99	1587163.03	578567.02
2934.00	0.50	263.700	2933.97	5.55S	4.63W	0.06	5.60	1587159.37	578565.45
3410.00	0.50	284.800	3409.95	5.25S	8.71W	0.04	5.33	1587155.30	578565.75
3506.00	0.30	338.800	3505.95	4.91S	9.20W	0.42	5.00	1587154.80	578566.09
3537.00	0.20	261.000	3536.95	4.84S	9.28W	1.04	4.93	1587154.72	578566.16
3569.00	2.30	191.500	3568.94	5.48S	9.47W	6.99	5.57	1587154.53	578565.52
3601.00	4.70	191.100	3600.88	7.39S	9.85W	7.50	7.49	1587154.15	578563.61
3633.00	7.30	186.800	3632.70	10.70S	10.34W	8.24	10.80	1587153.66	578560.30
3664.00	9.50	186.000	3663.37	15.20S	10.84W	7.11	15.31	1587153.16	578555.80
3696.00	11.70	184.800	3694.82	21.06S	11.39W	6.91	21.17	1587152.61	578549.94
3728.00	13.90	185.000	3726.02	28.12S	12.00W	6.88	28.24	1587152.00	578542.88
3760.00	16.20	185.100	3756.92	36.40S	12.73W	7.19	36.53	1587151.27	578534.60
3791.00	17.80	185.300	3786.57	45.42S	13.55W	5.16	45.56	1587150.45	578525.58
3823.00	20.00	185.200	3816.84	55.75S	14.50W	6.88	55.89	1587149.50	578515.26
3855.00	21.90	183.800	3846.72	67.15S	15.39W	6.14	67.30	1587148.61	578503.85
3887.00	23.70	182.900	3876.22	79.53S	16.11W	5.73	79.69	1587147.89	578491.47
3919.00	26.00	182.800	3905.26	92.96S	16.78W	7.19	93.13	1587147.22	578478.04
3950.00	27.70	180.400	3932.91	106.95S	17.16W	6.50	107.12	1587146.84	578464.05
3982.00	29.50	179.000	3961.01	122.27S	17.07W	6.00	122.44	1587146.93	578448.74
4014.00	31.10	176.600	3988.64	138.40S	16.45W	6.27	138.56	1587147.55	578432.61
4046.00	32.70	176.300	4015.80	155.28S	15.40W	5.02	155.42	1587148.60	578415.73
4078.00	34.50	176.900	4042.46	172.95S	14.35W	5.72	173.09	1587149.65	578398.06
4109.00	36.30	177.400	4067.72	190.89S	13.46W	5.88	191.01	1587150.54	578380.12
4141.00	37.90	178.100	4093.25	210.17S	12.70W	5.17	210.29	1587151.30	578360.84
4173.00	39.50	179.100	4118.22	230.17S	12.22W	5.37	230.29	1587151.78	578340.84
4204.00	41.40	179.400	4141.81	250.28S	11.96W	6.16	250.39	1587152.04	578320.73
4236.00	44.20	180.500	4165.29	272.02S	11.94W	9.06	272.13	1587152.06	578298.99
4268.00	46.50	180.500	4187.77	294.79S	12.14W	7.19	294.89	1587151.86	578276.23
4300.00	47.30	180.100	4209.64	318.15S	12.26W	2.66	318.26	1587151.74	578252.87
4332.00	47.70	179.800	4231.26	341.74S	12.24W	1.43	341.85	1587151.76	578229.27
4363.00	48.10	179.900	4252.04	364.74S	12.18W	1.31	364.85	1587151.82	578206.27
4395.00	48.60	179.900	4273.31	388.66S	12.14W	1.56	388.76	1587151.86	578182.36
4427.00	48.50	180.600	4294.49	412.64S	12.25W	1.67	412.74	1587151.76	578158.38
4459.00	48.60	180.400	4315.67	436.62S	12.45W	0.56	436.73	1587151.55	578134.40
4491.00	50.50	179.500	4336.43	460.97S	12.43W	6.31	461.08	1587151.57	578110.05
4522.00	53.40	179.500	4355.54	485.38S	12.22W	9.35	485.48	1587151.78	578085.64
4554.00	56.70	179.600	4373.87	511.61S	12.01W	10.32	511.70	1587151.99	578059.42
4586.00	59.70	180.200	4390.73	538.80S	11.97W	9.51	538.89	1587152.03	578032.23
4617.00	63.50	180.400	4405.47	566.06S	12.11W	12.27	566.16	1587151.89	578004.96
4649.00	67.70	180.700	4418.68	595.20S	12.39W	13.15	595.29	1587151.61	577975.83
4681.00	71.70	180.600	4429.78	625.20S	12.73W	12.50	625.30	1587151.27	577945.83
4713.00	74.90	181.300	4438.98	655.84S	13.24W	10.22	655.94	1587150.76	577915.19
4744.00	78.30	181.700	4446.16	685.98S	14.03W	11.04	686.09	1587149.97	577885.05
4776.00	81.20	181.400	4451.86	717.46S	14.88W	9.11	717.57	1587149.12	577853.58
4808.00	84.60	181.300	4455.81	749.20S	15.63W	10.63	749.32	1587148.37	577821.84
4818.00	85.70	181.100	4456.66	759.16S	15.84W	11.18	759.28	1587148.16	577811.88
4854.00	89.10	181.600	4458.29	795.11S	16.69W	9.55	795.24	1587147.31	577775.93
4884.00	89.80	181.700	4458.58	825.10S	17.55W	2.36	825.23	1587146.45	577745.95
4946.00	90.40	181.700	4458.47	887.07S	19.39W	0.97	887.22	1587144.61	577683.98
4977.00	90.60	181.700	4458.20	918.05S	20.31W	0.65	918.21	1587143.69	577652.99
5038.00	90.80	181.400	4457.45	979.03S	21.96W	0.59	979.20	1587142.04	577592.02
5100.00	91.10	181.300	4456.42	1041.00S	23.42W	0.51	1041.18	1587140.58	577530.05
5161.00	91.20	179.900	4455.20	1101.98S	24.06W	2.30	1102.17	1587139.94	577469.07
5192.00	91.60	179.100	4454.44	1132.97S	23.79W	2.88	1133.16	1587140.21	577438.08
5254.00	90.70	178.100	4453.20	1194.94S	22.27W	2.17	1195.10	1587141.73	577376.12
5285.00	90.70	177.700	4452.82	1225.92S	21.14W	1.29	1226.07	1587142.86	577345.14
5315.00	89.50	177.500	4452.77	1255.89S	19.88W	4.06	1256.03	1587144.12	577315.17
5346.00	88.80	177.400	4453.23	1286.86S	18.50W	2.28	1286.98	1587145.50	577284.21
5408.00	88.10	177.600	4454.90	1348.77S	15.80W	1.17	1348.86	1587148.20	577222.29
5438.00	88.10	177.400	4455.90	1378.73S	14.49W	0.67	1378.80	1587149.51	577192.34
5500.00	87.60	177.300	4458.23	1440.62S	11.63W	0.82	1440.66	1587152.37	577130.45
5531.00	87.60	177.200	4459.52	1471.56S	10.14W	0.32	1471.58	1587153.86	577099.52

All data is in Feet unless otherwise stated  
 Coordinates are from Slot MD's are from Slot and TVD's are from Slot ( Frusher 1-10H 0.00ft above Mean Sea Level )  
 Vertical Section is from 0.00N 0.00E on azimuth 180.580 degrees  
 Bottom hole distance is 4735.68 Feet on azimuth 180.23 degrees from Wellhead  
 Calculation method uses Minimum Curvature method  
 Prepared by  
 Date Printed: 2-May-2012





Standard Wellpath Report  
 Sandridge  
 Sec 10 - 21S - 24W, Kansas  
 Hodgeman County  
 Wellbore: Frusher 1-10H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
5562.00	88.10	177.500	4460.69	1502.50S	8.71W	1.88	1502.51	1587155.29	577068.57
5592.00	87.90	178.200	4461.73	1532.46S	7.58W	2.43	1532.46	1587156.42	577038.62
5623.00	88.40	178.800	4462.73	1563.43S	6.77W	2.52	1563.42	1587157.23	577007.64
5685.00	89.50	179.300	4463.87	1625.41S	5.74W	1.95	1625.39	1587158.26	576945.67
5715.00	89.90	179.400	4464.03	1655.41S	5.40W	1.37	1655.38	1587158.60	576915.67
5778.00	90.70	178.900	4463.70	1718.40S	4.47W	1.50	1718.36	1587159.53	576852.68
5810.00	90.90	179.000	4463.25	1750.39S	3.88W	0.70	1750.34	1587160.12	576820.69
5874.00	90.10	180.500	4462.69	1814.39S	3.60W	2.66	1814.33	1587160.40	576756.70
5906.00	90.30	180.500	4462.58	1846.39S	3.88W	0.62	1846.33	1587160.12	576724.70
5969.00	91.20	180.700	4461.76	1909.38S	4.54W	1.46	1909.33	1587159.46	576661.72
6002.00	91.60	180.700	4460.95	1942.37S	4.95W	1.21	1942.32	1587159.05	576628.73
6034.00	91.20	181.700	4460.17	1974.35S	5.62W	3.36	1974.30	1587158.38	576596.75
6097.00	90.30	182.000	4459.34	2037.31S	7.65W	1.51	2037.28	1587156.35	576533.79
6129.00	90.30	181.900	4459.18	2069.29S	8.74W	0.31	2069.27	1587155.26	576501.81
6193.00	90.20	181.700	4458.90	2133.26S	10.75W	0.35	2133.26	1587153.25	576437.85
6289.00	91.80	181.800	4457.22	2229.20S	13.68W	1.67	2229.22	1587150.32	576341.91
6353.00	91.60	181.600	4455.32	2293.14S	15.58W	0.44	2293.18	1587148.42	576277.97
6384.00	91.60	182.300	4454.46	2324.11S	16.63W	2.26	2324.16	1587147.37	576247.01
6416.00	90.70	182.000	4453.81	2356.08S	17.83W	2.96	2356.14	1587146.17	576215.04
6448.00	90.50	182.000	4453.48	2388.06S	18.95W	0.62	2388.13	1587145.05	576183.06
6480.00	90.70	181.900	4453.14	2420.04S	20.04W	0.70	2420.12	1587143.96	576151.08
6544.00	90.30	181.700	4452.59	2484.00S	22.05W	0.70	2484.10	1587141.95	576087.12
6576.00	90.40	181.600	4452.39	2515.99S	22.97W	0.44	2516.09	1587141.03	576055.13
6639.00	92.20	181.600	4450.96	2578.95S	24.73W	2.86	2579.07	1587139.27	575992.18
6671.00	92.40	181.100	4449.68	2610.91S	25.48W	1.68	2611.04	1587138.52	575960.22
6703.00	91.40	181.400	4448.62	2642.89S	26.18W	3.26	2643.02	1587137.82	575928.24
6735.00	91.20	181.800	4447.89	2674.87S	27.07W	1.40	2675.00	1587136.93	575896.27
6767.00	91.50	181.900	4447.14	2706.84S	28.11W	0.99	2706.99	1587135.90	575864.29
6831.00	89.50	180.500	4446.58	2770.82S	29.45W	3.81	2770.97	1587134.56	575800.32
6863.00	89.60	180.300	4446.83	2802.82S	29.67W	0.70	2802.97	1587134.33	575768.32
6927.00	89.10	179.300	4447.55	2866.81S	29.45W	1.75	2866.96	1587134.56	575704.33
6959.00	89.80	180.400	4447.86	2898.81S	29.36W	4.07	2898.96	1587134.64	575672.33
7054.00	90.90	181.300	4447.28	2993.79S	30.77W	1.50	2993.95	1587133.23	575577.35
7118.00	90.40	181.200	4446.56	3057.78S	32.17W	0.80	3057.94	1587131.83	575513.38
7150.00	90.70	181.600	4446.25	3089.76S	32.95W	1.56	3089.94	1587131.05	575481.39
7214.00	89.70	182.000	4446.02	3153.73S	34.96W	1.68	3153.92	1587129.04	575417.43
7246.00	89.60	181.600	4446.22	3185.71S	35.96W	1.29	3185.92	1587128.04	575385.44
7309.00	89.20	181.000	4446.88	3248.69S	37.39W	1.14	3248.91	1587126.61	575322.47
7341.00	89.10	180.700	4447.35	3280.69S	37.87W	0.99	3280.90	1587126.13	575290.48
7405.00	89.00	180.600	4448.42	3344.67S	38.59W	0.22	3344.89	1587125.41	575226.49
7437.00	89.10	180.300	4448.95	3376.67S	38.84W	0.99	3376.89	1587125.16	575194.50
7501.00	89.60	180.100	4449.67	3440.66S	39.07W	0.84	3440.88	1587124.93	575130.51
7533.00	90.00	180.500	4449.78	3472.66S	39.24W	1.77	3472.88	1587124.77	575098.51
7628.00	91.90	181.500	4448.21	3567.63S	40.89W	2.26	3567.86	1587123.11	575003.55
7660.00	91.90	181.900	4447.15	3599.60S	41.84W	1.25	3599.84	1587122.16	574971.58
7724.00	89.70	182.200	4446.25	3663.55S	44.13W	3.47	3663.81	1587119.87	574907.63
7820.00	88.30	180.100	4447.93	3759.51S	46.06W	2.63	3759.78	1587117.94	574811.68
7915.00	88.60	179.600	4450.50	3854.47S	45.81W	0.61	3854.74	1587118.19	574716.72
7979.00	89.60	180.100	4451.51	3918.46S	45.64W	1.75	3918.72	1587118.36	574652.73
8011.00	89.90	180.200	4451.64	3950.46S	45.73W	0.99	3950.72	1587118.28	574620.74
8075.00	90.80	179.900	4451.25	4014.46S	45.78W	1.48	4014.72	1587118.22	574556.74
8107.00	90.50	179.000	4450.89	4046.45S	45.47W	2.96	4046.71	1587118.53	574524.75
8171.00	90.60	178.300	4450.28	4110.43S	43.97W	1.10	4110.67	1587120.04	574460.77
8202.00	91.30	177.900	4449.76	4141.41S	42.94W	2.60	4141.63	1587121.06	574429.79
8234.00	91.60	177.600	4448.95	4173.38S	41.68W	1.33	4173.59	1587122.32	574397.83
8298.00	90.80	178.000	4447.61	4237.32S	39.23W	1.40	4237.50	1587124.78	574333.89
8362.00	91.20	178.900	4446.50	4301.28S	37.50W	1.54	4301.44	1587126.51	574269.93
8394.00	91.70	178.500	4445.69	4333.26S	36.77W	2.00	4333.41	1587127.23	574237.95
8490.00	91.20	178.700	4443.26	4429.20S	34.43W	0.56	4429.32	1587129.58	574142.02
8586.00	91.30	177.600	4441.16	4525.13S	31.33W	1.15	4525.21	1587132.67	574046.10
8681.00	92.00	176.700	4438.43	4619.97S	26.61W	1.20	4620.00	1587137.40	573951.26
8745.00	91.80	175.900	4436.30	4683.80S	22.48W	1.29	4683.79	1587141.52	573887.43
8797.00	91.80	175.900	4434.67	4735.64S	18.76W	==>	4735.59	1587145.24	573835.59

All data is in Feet unless otherwise stated  
 Coordinates are from Slot MD's are from Slot and TVD's are from Slot ( Frusher 1-10H 0.00ft above Mean Sea Level )  
 Vertical Section is from 0.00N 0.00E on azimuth 180.580 degrees  
 Bottom hole distance is 4735.68 Feet on azimuth 180.23 degrees from Wellhead  
 Calculation method uses Minimum Curvature method  
 Prepared by  
 Date Printed: 2-May-2012





Standard Wellpath Report  
Sandridge  
Sec 10 - 21S - 24W, Kansas  
Hodgeman County  
Wellbore: Frusher 1-10H (Actual)

Comments

MD[ft]	TVD[ft]	North[ft]	East[ft]	Comment
8797.00	4434.67	4735.64S	18.76W	Projection to Bit @ TD

All data is in Feet unless otherwise stated  
Coordinates are from Slot MD's are from Slot and TVD's are from Slot ( Frusher 1-10H 0.00ft above Mean Sea Level )  
Vertical Section is from 0.00N 0.00E on azimuth 180.580 degrees  
Bottom hole distance is 4735.68 Feet on azimuth 180.23 degrees from Wellhead  
Calculation method uses Minimum Curvature method  
Prepared by  
Date Printed: 2-May-2012

# Mid-Continent Conductor, LLC

## Invoice

Date	Invoice #
3/30/2012	1270

P.O. Box 1570  
Woodward, OK 73802  
Phone: (580)254-5400  
Fax: (580)254-3242

Bill To
SandRidge Energy, Inc. Attn: Purchasing Mgr. 123 Robert S. Kerr Avenue Oklahoma City, OK. 73102

Ordered By	Terms	Date of Service	Lease Name/Legal Desc.	Drilling Rig
Lawrence	Net 45	3/30/2012	Frusher 1-10H, Hodgeman Cnty, KS	Lariat 19

Item	Quantity	Description	
Conductor Hole	95	Drilled 95 ft. conductor hole.	
20" Pipe	95	Furnished 95ft. of 20 inch conductor pipe.	
Mouse Hole	80	Drilled 80 ft. mouse hole.	
16" Pipe	80	Furnished 80 ft. of 16 inch mouse hole pipe.	
Cellar Hole	1	Drilled 6x6 cellar hole.	
6' X 6' Tinhorn	1	Furnished and set 6x6 tinhorn.	
Mud and Water	1	Furnished mud and water.	
Mud, Water, & Trucking	1	Transport mud and water to location.	
Grout & Trucking	15	Furnished 15 yards of grout and trucking to location.	
Grout Pump	1	Furnished grout pump.	
Welder & Materials	1	Furnished welder and materials.	
Dirt Removal	1	Labor & Equipment for dirt removal.	
Cover Plate	1	Furnished cover plates	
Permits	1	Permits	
		<b>Subtotal</b>	\$24,050.00
		<b>Sales Tax (0.0%)</b>	\$0.00
		<b>Total</b>	<b>\$24,050.00</b>

# HALLIBURTON

# Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2921246	Quote #:	Sales Order #: 9434836
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: McCullar, Tyler	
Well Name: Frusher	Well #: 1-10H	API/UWI #:	
Field:	City (SAP): JETMORE	County/Parish: Hodgeman	State: Kansas
Legal Description: Section 10 Township 21S Range 24W			
Contractor: LARIAT		Rig/Platform Name/Num: 19	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: NGUYEN, VINH		Srvc Supervisor: CHRISTENSEN, STUART	MBU ID Emp #: 476488

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BUSTOS, DANIEL Cesar	9	491187	CHRISTENSEN, STUART	9	476488	HEIDT, JAMES Nicholas	7	517102
MENDOZA, VICTOR	7	442596	TORRES, CLEMENTE	7	344233			

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10240236	60 mile	10243558	60 mile	10286731	60 mile	10924982	60 mile
10978333	60 mile	11256862	60 mile	11749437	60 mile		

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
4/15/12	3	1						
TOTAL			Total is the sum of each column separately					

### Job

### Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone	
Formation Depth (MD)			On Location	15 - Apr - 2012	07:00	CST	
Form Type		BHST	Job Started	15 - Apr - 2012	15:30	CST	
Job depth MD	760. ft	Job Depth TVD	550. ft	Job Started	15 - Apr - 2012	17:40	CST
Water Depth		Wk Ht Above Floor	2.5 ft	Job Completed	15 - Apr - 2012	18:40	CST
Perforation Depth (MD)	From	To	Departed Loc	15 - Apr - 2012	20:00	CST	

### Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Surface Open Hole				12.25				.	760.		
Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	760.		

### Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	9 5/8	1	
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9 5/8	1	
Stage Tool										Centralizers			

### Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

### Fluid Data

Stage/Plug #: 1



Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water Spacer		10.00	bbl	.	.0	.0	.0	
2	Lead Cement	EXTENDACEM (TM) SYSTEM (452981)	340.0	sacks	12.4	2.12	11.68		11.68
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	11.676 Gal	FRESH WATER							
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	100.0	sacks	15.6	1.2	5.32		5.32
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	5.319 Gal	FRESH WATER							
4	DISPLACEMENT (TBC)		55.00	bbl	.	.0	.0	.0	
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement	55	Shut In: Instant		Lost Returns	0	Cement Slurry	149	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	66	Actual Displacement	55	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	
<b>Rates</b>									
Circulating	5	Mixing	5	Displacement	5	Avg. Job	5		
Cement Left In Pipe	Amount	43.93 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature					

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2921246	Quote #:	Sales Order #: 9453919
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Towery, Mark	
Well Name: Frusher	Well #: 1-10H	API/UWI #:	
Field:	City (SAP): JETMORE	County/Parish: Hodgeman	State: Kansas
Legal Description: Section 10 Township 21S Range 24W			
Contractor: Lariat		Rig/Platform Name/Num: 19	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: STEELE, KENNETH		Srvc Supervisor: KLAUSE, JOHN	MBU ID Emp #: 456246

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
KLAUSE, JOHN David	12	456246	LUNA, JOSE A	12	480456	WIFA, HENRY Neniebari	12	491916

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10243558	60 mile	10924982	60 mile	10990703	60 mile	10995019	60 mile
11706683	60 mile						

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
4-22	12	4						

TOTAL Total is the sum of each column separately

Job				Job Times			
Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
				On Location	4-22	2100	
Form Type			BHST	On Location	4-22	0500	
Job depth MD	4800. ft		Job Depth TVD	Job Started	4-22	1000	
Water Depth			Wk Ht Above Floor	Job Completed	4-22	1300	GMT
Perforation Depth (MD)	From		To	Departed Loc	4-22	1530	

### Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Intermediate Open Hole				8.75				760.	4800.		
Intermediate Casing	Unknow n		7.	6.276	26.	LTC	P-110	.	4800.	.	
Surface Casing	Unknow n		9.625	8.921	36.	LTC	J-55	.	760.		

### Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 7, HWE, 5.66 MIN/6.54 MAX CS	1	EA		

### Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

### Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

### Fluid Data



Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water Spacer		10.00	bbl	8.33	.0	.0	.0	
2	Primary Cement	ECONOCEM (TM) SYSTEM (452992)	100.0	sacks	13.6	1.54	7.36		7.36
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.356 Gal	FRESH WATER							
3	Tail Cement	CMT - PREMIUM CEMENT (100003687)	100.0	sacks	15.6	1.2	5.18		5.18
	94 lbm	CMT - PREMIUM - CLASS H REG OR TYPE V, BULK (100003687)							
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	5.177 Gal	FRESH WATER							
Calculated Values		Pressures		Volumes					
Displacement	179	Shut In: Instant	1106	Lost Returns	0	Cement Slurry	27/21	Pad	
Top Of Cement	3113	5 Min	NA	Cement Returns	0	Actual Displacement	179	Treatment	
Frac Gradient	NA	15 Min		Spacers	10	Load and Breakdown	0	Total Job	
Rates									
Circulating	5	Mixing	5	Displacement	7	Avg. Job	5.8		
Cement Left In Pipe	Amount	40 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature					

# HALLIBURTON

# Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2921246	Quote #:	Sales Order #: 9486145
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Mills, Tim	
Well Name: Frusher	Well #: 1-10H	API/UWI #:	
Field:	City (SAP): JETMORE	County/Parish: Hodgeman	State: Kansas
Legal Description: Section 10 Township 21S Range 24W			
Contractor: Lariat		Rig/Platform Name/Num: 19	
Job Purpose: Cement Production Liner			
Well Type: Development Well		Job Type: Cement Production Liner	
Sales Person: NGUYEN, VINH		Srvc Supervisor: VILLANUEVA, EDUARDO	MBU ID Emp #: 341956

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BERUMEN, EDUARDO	10	267804	SMITH, THOMAS Miles	10	493032	TORRES, CLEMENTE	10	344233
VILLANUEVA, EDUARDO	10	341956						

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10240245	60 mile	10804587	60 mile	10825440	60 mile	10866807	60 mile
10998524	60 mile	11706682	60 mile	11748315	60 mile		

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
5-2-2012	6	2	5-3-2012	4	3			

TOTAL Total is the sum of each column separately

Job				Job Times				
Formation Name				Date	Time	Time Zone		
Formation Depth (MD)	Top	Bottom		Called Out	02 - May - 2012	12:00	CST	
Form Type	BHST			On Location	02 - May - 2012	20:00	CST	
Job depth MD	8797. ft		Job Depth TVD	8797. ft	Job Started	03 - May - 2012	00:05	CST
Water Depth			Wk Ht Above Floor	5. ft	Job Completed	03 - May - 2012	02:00	CST
Perforation Depth (MD)	From	To		Departed Loc	03 - May - 2012	04:00	CST	

### Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Production Liner Open Hole				6.125				4744.	8797.		
Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	4744.	.	
Production Liner	Unknown		4.5	4.	11.6	LTC	N-80	4484.	8797.		
Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	4494.		

### Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

### Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	



Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Rig Caustic Water Spacer		10.00	bbl	8.5	.0	.0	.0		
2	Primary Cement	ECONOCEM (TM) SYSTEM (452992)	450.0	sacks	13.6	1.54	7.36		7.36	
	0.4 %	HALAD(R)-9, 50 LB (100001617)								
	2 lbm	KOL-SEAL, BULK (100064233)								
	2 %	BENTONITE, BULK (100003682)								
	7.356 Gal	FRESH WATER								
Calculated Values			Pressures			Volumes				
Displacement	92	Shut In: Instant		Lost Returns	NO	Cement Slurry	123	Pad		
Top Of Cement	4500	5 Min		Cement Returns	NO	Actual Displacement	91	Treatment		
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job		
Rates										
Circulating	4	Mixing	5	Displacement	5	Avg. Job	4			
Cement Left In Pipe	Amount	80 ft	Reason	Shoe Joint						
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID			
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature						

# FRUSHER 1-10H

## 10 21S 24W



Entry into the Mississippi  
Northing: 1587151.76  
Easting: 578158.38  
Depth: 4427'

Top Perforation  
Northing: 1587149.97  
Easting: 577885.05  
Depth: 4750'

Bottom Perforation  
Northing: 1587124.78  
Easting: 574333.89  
Depth: 8289'

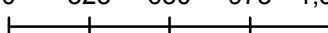
Bottom Hole Location  
Northing: 1587145.24  
Easting: 573835.59  
Depth: 8797'

### Legend

-  Surface Location
-  Bottom Hole Location

 Section

Actual Bottom-Hole Location of Frusher 1-10H  
Comanche County, Kansas  
T&R: 21S 24W  
Section: 10, 330' FSL & 400' FEL  
Long/Lat: -99.56152376 38.14487943

0 325 650 975 1,300 Feet  




Draftsman: Tina Cummings

Draft Date: 7/27/2012

Drawing Name/Number:  
Frusher.mxd

Coordinate System:

NAD 1927 State Plane  
Kansas South FIPS: 1502