

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1240562  
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: \_\_\_\_\_

1240562

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  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> <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	Jellison A 3319 11-5
Doc ID	1240562

Tops

Name	Top	Datum
Base Heebner Shale marker	4182	
Top Lansing Limestone Group	4355	
Top Oswego Limestones	4914	
Top Cherokee Shale Marker	5003	
Top Mississippi Unconformity	5087	
Top Viola Carbonates	5856	
Top Simpson Shales	6123	
Top Arbuckle Dolostones	6194	



# **Sandridge Energy**

**Comanche County (NAD-27)**

**Sec 05-T33S-R19W**

**Jellison A 3319 11-5 SHL**

**Wellbore #1**

**Design: Wellbore #1**

## **Standard Survey Report**

**03 November, 2014**



## Survey Report

<b>Company:</b>	Sandridge Energy	<b>Local Co-ordinate Reference:</b>	Well Jellison A 3319 11-5 SHL
<b>Project:</b>	Comanche County (NAD-27)	<b>TVD Reference:</b>	KB @ 1895.0usft
<b>Site:</b>	Sec 05-T33S-R19W	<b>MD Reference:</b>	KB @ 1895.0usft
<b>Well:</b>	Jellison A 3319 11-5 SHL	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db

<b>Project</b>	Comanche County (NAD-27)		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Kansas South 1502		

<b>Site</b>	Sec 05-T33S-R19W				
<b>Site Position:</b>		<b>Northing:</b>	198,145.00 usft	<b>Latitude:</b>	37° 12' 26.031 N
<b>From:</b>	Map	<b>Easting:</b>	1,732,653.00 usft	<b>Longitude:</b>	99° 25' 4.615 W
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	-0.56 °

<b>Well</b>	Jellison A 3319 11-5 SHL					
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b>	196,853.30 usft	<b>Latitude:</b>	37° 12' 13.460 N
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b>	1,734,717.90 usft	<b>Longitude:</b>	99° 24' 38.937 W
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>	0.0 usft	<b>Ground Level:</b>	1,880.0 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	10/14/2014	5.16	65.07	51,555

<b>Design</b>	Wellbore #1				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	13.79	

<b>Survey Program</b>	Date 11/3/2014				
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
804.0	6,280.0	Drillright MWD Surveys (Wellbore #1)	MWD	MWD - Standard	

<b>Survey</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Vertical Section (usft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
804.0	1.60	295.40	803.9	4.8	-10.1	2.3	0.20	0.20	0.00	0.00
899.0	1.40	330.20	898.9	6.4	-11.9	3.4	0.97	-0.21	36.63	
962.0	1.40	334.20	961.8	7.8	-12.6	4.5	0.16	0.00	6.35	
1,025.0	2.00	3.70	1,024.8	9.5	-12.9	6.2	1.65	0.95	46.83	
1,119.0	4.60	17.30	1,118.7	14.8	-11.7	11.6	2.87	2.77	14.47	
1,182.0	5.70	25.70	1,181.4	20.0	-9.6	17.2	2.11	1.75	13.33	
1,245.0	5.00	24.00	1,244.1	25.3	-7.1	22.9	1.14	-1.11	-2.70	
1,309.0	4.70	22.90	1,307.9	30.3	-4.9	28.3	0.49	-0.47	-1.72	
1,371.0	4.60	21.30	1,369.7	35.0	-3.0	33.2	0.26	-0.16	-2.58	



## Survey Report

<b>Company:</b>	Sandridge Energy	<b>Local Co-ordinate Reference:</b>	Well Jellison A 3319 11-5 SHL
<b>Project:</b>	Comanche County (NAD-27)	<b>TVD Reference:</b>	KB @ 1895.0usft
<b>Site:</b>	Sec 05-T33S-R19W	<b>MD Reference:</b>	KB @ 1895.0usft
<b>Well:</b>	Jellison A 3319 11-5 SHL	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	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)
1,433.0	4.50	23.10	1,431.5	39.5	-1.2	38.1	0.28	-0.16	2.90
1,497.0	4.50	23.00	1,495.3	44.1	0.8	43.0	0.01	0.00	-0.16
1,560.0	4.20	27.60	1,558.1	48.4	2.8	47.7	0.73	-0.48	7.30
1,622.0	4.70	26.50	1,619.9	52.7	5.0	52.4	0.82	0.81	-1.77
1,684.0	4.80	27.50	1,681.7	57.3	7.3	57.4	0.21	0.16	1.61
1,746.0	4.50	27.00	1,743.5	61.8	9.6	62.3	0.49	-0.48	-0.81
1,808.0	5.10	23.60	1,805.3	66.5	11.8	67.4	1.07	0.97	-5.48
1,870.0	5.00	22.70	1,867.1	71.5	14.0	72.8	0.21	-0.16	-1.45
1,933.0	4.70	23.50	1,929.8	76.4	16.1	78.0	0.49	-0.48	1.27
1,996.0	4.70	13.60	1,992.6	81.3	17.7	83.1	1.29	0.00	-15.71
2,059.0	4.50	14.40	2,055.4	86.2	18.9	88.2	0.33	-0.32	1.27
2,121.0	5.00	13.50	2,117.2	91.1	20.2	93.3	0.82	0.81	-1.45
2,184.0	4.80	14.70	2,180.0	96.4	21.5	98.7	0.36	-0.32	1.90
2,247.0	4.40	14.70	2,242.8	101.3	22.8	103.8	0.63	-0.63	0.00
2,311.0	4.40	12.80	2,306.6	106.0	23.9	108.7	0.23	0.00	-2.97
2,374.0	4.70	17.80	2,369.4	110.8	25.3	113.7	0.79	0.48	7.94
2,436.0	4.50	17.10	2,431.2	115.6	26.7	118.6	0.34	-0.32	-1.13
2,499.0	4.90	19.90	2,494.0	120.5	28.4	123.8	0.73	0.63	4.44
2,562.0	4.80	22.50	2,556.7	125.4	30.3	129.0	0.38	-0.16	4.13
2,624.0	4.80	22.00	2,618.5	130.2	32.3	134.2	0.07	0.00	-0.81
2,685.0	4.10	20.30	2,679.3	134.7	34.0	138.9	1.17	-1.15	-2.79
2,749.0	4.90	12.90	2,743.1	139.5	35.4	143.9	1.54	1.25	-11.56
2,812.0	4.80	10.70	2,805.9	144.7	36.5	149.2	0.34	-0.16	-3.49
2,874.0	4.40	9.00	2,867.7	149.6	37.3	154.2	0.68	-0.65	-2.74
2,937.0	4.70	7.30	2,930.5	154.5	38.0	159.1	0.52	0.48	-2.70
2,999.0	4.50	7.50	2,992.3	159.5	38.7	164.1	0.32	-0.32	0.32
3,062.0	4.90	10.60	3,055.1	164.5	39.5	169.2	0.75	0.63	4.92
3,124.0	4.70	14.50	3,116.9	169.6	40.6	174.4	0.62	-0.32	6.29
3,188.0	5.60	7.40	3,180.6	175.2	41.7	180.1	1.72	1.41	-11.09
3,250.0	5.40	4.30	3,242.4	181.2	42.3	186.0	0.58	-0.32	-5.00
3,313.0	4.90	2.20	3,305.1	186.8	42.6	191.6	0.85	-0.79	-3.33
3,376.0	5.20	7.60	3,367.9	192.3	43.1	197.0	0.89	0.48	8.57
3,437.0	5.00	11.90	3,428.6	197.7	44.0	202.4	0.71	-0.33	7.05
3,499.0	4.70	8.60	3,490.4	202.8	44.9	207.7	0.66	-0.48	-5.32
3,561.0	5.40	15.30	3,552.1	208.1	46.1	213.1	1.47	1.13	10.81
3,622.0	5.40	15.40	3,612.9	213.7	47.6	218.9	0.02	0.00	0.16
3,683.0	4.90	17.10	3,673.6	218.9	49.1	224.3	0.86	-0.82	2.79
3,745.0	4.30	12.80	3,735.4	223.7	50.4	229.3	1.12	-0.97	-6.94
3,805.0	4.40	17.10	3,795.3	228.1	51.6	233.8	0.57	0.17	7.17
3,868.0	4.50	21.00	3,858.1	232.7	53.2	238.7	0.51	0.16	6.19
3,931.0	3.70	20.60	3,920.9	236.9	54.8	243.2	1.27	-1.27	-0.63
3,993.0	3.60	14.30	3,982.8	240.7	56.0	247.1	0.67	-0.16	-10.16
4,054.0	4.80	10.50	4,043.6	245.1	56.9	251.6	2.02	1.97	-6.23
4,118.0	5.20	6.90	4,107.4	250.6	57.8	257.1	0.79	0.63	-5.63

## Survey Report

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<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db

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)
4,179.0	4.90	5.10	4,168.1	255.9	58.3	262.5	0.56	-0.49	-2.95
4,241.0	5.30	8.90	4,229.9	261.4	59.0	267.9	0.84	0.65	6.13
4,304.0	4.80	8.20	4,292.6	266.9	59.8	273.4	0.80	-0.79	-1.11
4,368.0	4.80	9.20	4,356.4	272.2	60.6	278.8	0.13	0.00	1.56
4,430.0	4.60	18.50	4,418.2	277.1	61.9	283.8	1.27	-0.32	15.00
4,493.0	5.40	19.00	4,481.0	282.3	63.6	289.3	1.27	1.27	0.79
4,555.0	5.10	22.00	4,542.7	287.6	65.6	294.9	0.66	-0.48	4.84
4,617.0	4.80	21.80	4,604.5	292.6	67.6	300.2	0.48	-0.48	-0.32
4,681.0	5.20	27.10	4,668.2	297.6	69.9	305.7	0.95	0.63	8.28
4,744.0	4.70	25.30	4,731.0	302.5	72.3	311.0	0.83	-0.79	-2.86
4,808.0	4.70	25.60	4,794.8	307.2	74.6	316.2	0.04	0.00	0.47
4,870.0	5.30	23.30	4,856.6	312.2	76.8	321.5	1.02	0.97	-3.71
4,931.0	6.10	24.40	4,917.3	317.7	79.3	327.4	1.32	1.31	1.80
4,993.0	6.10	25.00	4,978.9	323.7	82.0	333.9	0.10	0.00	0.97
5,056.0	5.40	24.90	5,041.6	329.4	84.7	340.1	1.11	-1.11	-0.16
5,122.0	5.30	22.10	5,107.3	335.0	87.1	346.2	0.42	-0.15	-4.24
5,185.0	5.00	27.10	5,170.0	340.2	89.5	351.7	0.86	-0.48	7.94
5,248.0	5.20	25.00	5,232.8	345.2	91.9	357.2	0.43	0.32	-3.33
5,311.0	4.80	24.80	5,295.6	350.2	94.2	362.6	0.64	-0.63	-0.32
5,370.0	5.60	23.20	5,354.3	355.1	96.4	367.8	1.38	1.36	-2.71
5,432.0	5.50	24.10	5,416.0	360.6	98.8	373.7	0.21	-0.16	1.45
5,495.0	5.90	21.80	5,478.7	366.3	101.2	379.9	0.73	0.63	-3.65
5,559.0	5.30	21.00	5,542.4	372.2	103.5	386.1	0.95	-0.94	-1.25
5,622.0	5.20	16.40	5,605.1	377.6	105.4	391.8	0.69	-0.16	-7.30
5,684.0	4.90	14.00	5,666.9	382.9	106.8	397.3	0.59	-0.48	-3.87
5,748.0	4.70	7.70	5,730.7	388.1	107.8	402.6	0.88	-0.31	-9.84
5,811.0	4.90	356.80	5,793.5	393.4	108.0	407.8	1.48	0.32	-17.30
5,873.0	5.00	344.50	5,855.2	398.6	107.1	412.7	1.72	0.16	-19.84
5,933.0	5.00	349.10	5,915.0	403.7	106.0	417.3	0.67	0.00	7.67
5,999.0	5.70	352.60	5,980.7	409.8	105.0	423.0	1.17	1.06	5.30
6,062.0	5.60	355.90	6,043.4	415.9	104.4	428.8	0.54	-0.16	5.24
6,123.0	5.10	2.60	6,104.1	421.6	104.3	434.3	1.31	-0.82	10.98
6,185.0	4.90	11.90	6,165.9	427.0	104.9	439.7	1.34	-0.32	15.00
6,230.0	4.80	12.70	6,210.7	430.7	105.8	443.5	0.27	-0.22	1.78
6,280.0	4.80	12.70	6,260.6	434.8	106.7	447.7	0.00	0.00	0.00

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_



JELLISON A 3319 9-5H

\* \* JELLISON A 3319 10-5H

Section 32  
32S 19W

863' FNL

2038' FWL Comanche County

BHL: 6280'  
-99.410894 37.204956

Bottom Perf: 5998'  
-99.410897 37.204888

Top Perf: 5976'  
-99.410893 37.204872

Section 5  
33S 19W Viola Entry: 5856'  
-99.410888 37.204858

JELLISON A 3319 14-5 JELLISON A 3319 8-5H

JELLISON A 3319 11-5

JELLISON A 3319 13-5

JELLISON A 3319 12-5

JELLISON A 3319 5-5



Actual Bottom-Hole Location of Jellison A 3319 11-5  
T&R: 33S 19W  
Section: 5, 13682038' FWL & 863' FNL  
-99.410894 37.204956

1 in = 333 ft



● Actual BH Location

\* SandRidge Wells

--- Perf

□ Sections

0 270 540 1,080 Feet

Draftsman:

Dory Deines

Draft Date: 1/26/2015

Drawing Name/Number:

Addendum\_Jellison A 3319 11-5.mxd

Coordinate System:

NAD 1927 State Plane  
Kansas South FIPS: 1502

# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	11/11/2014
Job End Date:	11/12/2014
State:	Kansas
County:	Comanche
API Number:	15-033-21770-00-00
Operator Name:	SandRidge Energy
Well Name and Number:	JELLISON A 3319 11-5
Longitude:	-99.41081600
Latitude:	37.20373900
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	6,260
Total Base Water Volume (gal):	237,048
Total Base Non Water Volume:	0



## Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Archer	Carrier/Base Fluid					
			Water	7732-18-5	100.00000	91.35607	None
Sand (Proppant)	Archer	Proppant					
			Silica Substrate	NA	100.00000	4.04556	None
Hydrochloric Acid (15%)	Archer	Acidizing					
			Hydrochloric Acid	7647-01-0	15.00000	0.66507	None
			NONYL PHENOL, 4 MOL	104-40-5	10.00000	0.00445	None
Chemflush	Archer	Enviro-Friendly Chemical Flush					
			Hydrotreated Petroleum Distillate	64742-47-8	99.00000	0.03480	None
			Alcohol Ethoxylate Surfactants	NA	10.00000	0.00351	None
AIC	Archer	Liquid Acid Iron Control					
			Acetic Acid	64-19-7	50.00000	0.01137	None
			Citric Acid	77-92-9	30.00000	0.00682	None
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							
		Other Chemicals					
			Water	7732-18-5		0.03142	
			WATER	7732-18-5		0.02669	
			TRADE SECRET	N/A		0.01780	

		Anionic Polymer	N/A		0.01571
		Aliphatic Hydrocarbon	64742-47-8		0.01571
		Water	7732-18-5		0.00886
		Water	7732-18-5		0.00796
		ISOPROPANOL	67-63-0		0.00445
		METHANOL	67-56-1		0.00445
		Oxyalkylated Alcohol	68002-97-1		0.00262
		Polyol Ester	N/A		0.00262
		Sodium Salt of Phosphate Ester	68131-72-6		0.00148
		Acrylic Polymer	28205-96-1		0.00148
		Polyglycol Ester	N/A		0.00052
		Tetrasodium Ethylenediaminetetraacetate	64-02-8		0.00005
		Alcohol Ethoxylate Surfactants	N/A		
		Cinnamic Aldehyde	104-55-2		
		Acetic Acid	64-19-7		
		Buffer	N/A		
		Surfactant	N/A		
		Water	7732-18-5		
		Propargyl Alcohol	107-19-7		
		n-olefins	N/A		

\* Total Water Volume sources may include fresh water, produced water, and/or recycled water

\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

# ALLIED OIL & GAS SERVICES, LLC

063016

~~063016~~  
~~063033~~

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:  
Medicine

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
10-20-14				10:30 pm	11:00 am	12:20	1:30
LEASE <u>Jellison</u> WELL # <u>3319 145</u> LOCATION <u>Coldwater SW</u>				COUNTY <u>Comanche</u> STATE <u>KS</u>			
OLD OR NEW (Circle one)							

CONTRACTOR Tomcat  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. 786  
 CASING SIZE 8 5/8 DEPTH 792  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX 1000 MINIMUM -  
 MEAS. LINE SHOE JOINT 44  
 CEMENT LEFT IN CSG. 44  
 PERFS.  
 DISPLACEMENT 48

OWNER Sandridge  
 CEMENT  
 AMOUNT ORDERED 265 sy 65.35-69 gal -  
2% CC - 1/4 Flo Seal 150 sy class A  
2% CC + 1/4 Flo Seal

EQUIPMENT  
 PUMP TRUCK CEMENTER Dwain Smith  
 # 892 555 HELPER Coy Price  
 BULK TRUCK  
 # 561 553 DRIVER Ron Reed  
 BULK TRUCK  
 # DRIVER

COMMON		@		
POZMIX		@		
GEL		@		
CHLORIDE		@		
ASC		@		
Allied LWC	265	@	16.50	4372.50
	6	@	64	384
	67	@	2.47	198.99
	150	@	17.90	2685
	4	@	64	256
	38	@	2.97	112.86
		@		
		@		
HANDLING		@		
MILEAGE				

REMARKS:

3000 = 2402.80 TOTAL 8009.35

AFE Number DC 14287  
 Well Name Jellison 3319 11-5  
 Code 834.360  
 Amount 10,745.26  
 Co. Man: Bill Tomlinson  
 Co. Man Sig.: Bill Tomlinson  
 Notes:

SERVICE

DEPTH OF JOB	792		2058.50
PUMP TRUCK CHARGE			
EXTRA FOOTAGE HWV	60 @ 7.70		385
MILEAGE LWV	50 @ 4.40		220
MANIFOLD	1 @ 275		275
Drainage	484.13 @ 2.60		1258.74
Handling	459.14 @ 2.48		1140.02

CHARGE TO:  
 STREET:  
 CITY STATE ZIP:

3000 = 1991.57 TOTAL 6638.56

PLUG & FLOAT EQUIPMENT

Top Rubber Plug	1 @ 131.04		131.04
	@		
	@		
	@		
	@		

3000 = 39.31 TOTAL 131.04

To: Allied Oil & Gas Services, LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)  
 TOTAL CHARGES 14,778.95  
 DISCOUNT 4,433.69 IF PAID IN 30 DAYS

PRINTED NAME Bill Tomlinson

SIGNATURE Bill Tomlinson

10,345.26



# ALLIED OIL & GAS SERVICES, LLC 053294

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Liberal Ks.

DATE <u>10-30-14</u>	SEC. <u>5</u>	TWP <u>33S</u>	RANGE <u>19W.</u>	CALLED OUT	ON LOCATION	JOB START <u>5:00</u>	JOB FINISH <u>6:00 P.M.</u>
JELLISSON LEASE <u>A.</u>		WELL # <u>3319-11-5</u>	LOCATION <u>Protection Ks. E to CR8, N1/4</u>			COUNTY <u>Harper</u>	STATE <u>Ks.</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)			<u>M, NE Into.</u>				

CONTRACTOR Tom Cat #2  
 TYPE OF JOB Production  
 HOLE SIZE 7 7/8 T.D. 6234 ft  
 CASING SIZE 5 1/2 17 FF DEPTH 6240 ft  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 2000 MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 87 ft  
 CEMENT LEFT IN CSG. 2 BBIS  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 142.7 BBIS.

OWNER Sandridge Energy Inc.  
 CEMENT  
 AMOUNT ORDERED 200sk 50/50 'A'; 2% Gel,  
4 FL-160, -1% SA-SL,  
155sk 'A' - 8% FL-160, -2% Dispersant.

EQUIPMENT  
 PUMP TRUCK CEMENTER Ruben Chavez  
 #868-541 HELPER Jaime Torres  
 BULK TRUCK  
 #993-467 DRIVER José Calderon  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON 'A' 155sk @ 17.90	2,774.50
POZMIX @	
GEL @	
CHLORIDE @	
ASC @	
Super Flush 30 Bbl @ 58.70	1761.00
FL-160 185 lb @ 18.90	3496.50
Allied 50/50 'A' 200sk @ 14.40	2880.00
CD-31 30 lb @ 10.30	309.00
SA-S1 17 lb @ 17.55	298.35
_____ @ _____	
_____ @ _____	
_____ @ _____	
HANDLING @	
MILEAGE 3455.81	
TOTAL	11,519.35

REMARKS:  
 AFE Number: 0514287  
 Well Name: Jelisson A 3319 11-5  
 Code: 830 830370  
 Amount: 997.24 + 13,664.70  
 Co. Man: Bill Tomlinson  
 Co. Man Sig.: [Signature]  
 Notes: \_\_\_\_\_

SERVICE  
 Mat Handling 366.00 (1.5 @) 2.48 - 909.17  
 PUMP TRUCK CHARGE 3,651.25  
 Drayage 798.39 T.M. @ 2.60 2,075.82  
 MILEAGE heavy 50 M. @ 7.70 385.00  
 MANIFOLD 7 head 1 @ 275.00 275.00  
 Light Vehicle 50 M. @ 4.40 220.00  
 Circ Iron 1 @ 400.00 400.00  
 2374.87 TOTAL 7,916.24

CHARGE TO: Sandridge Energy Inc.  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT  
 Top rubber plug 1 @ 85.41 85.41  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 25.62/30% TOTAL 85.41

To: Allied Oil & Gas Services, LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 19,521.00  
 DISCOUNT 5,856.30 IF PAID IN 30 DAYS

PRINTED NAME Bill Tomlinson  
 SIGNATURE [Signature]

**NET = 13,664.70**