Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1119440

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 # 34192
Name: SandRidge Exploration and Production LLC
Address 1: 123 ROBERT S. KERR AVE
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73102 + 6406
Contact Person: Tiffany Golay
Phone: (405) 429-6543
CONTRACTOR: License # 34464
Name: Lariat Services, Inc.
Wellsite Geologist: Joe Hileman
Purchaser: DCP Midstram, LP (gas) NCRA (oil)

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 #:

1/22/2013	2/20/2013	3/25/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-033-21691-01-00
Spot Description:
NE - NW - NW - NE Sec. 19 Twp. 31 S. R. 19 ☐ East ☑ West
225 Feet from ☑ North / ☐ South Line of Section
2130 Feet from ☑ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Comanche
Lease Name: Ellis 3119 Well #: 3-19H
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 2139 Kelly Bushing: 2159
Total Vertical Depth: 9603 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 295 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: 12000 ppm Fluid volume: 7280 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Lojo Disposal
Lease Name: Unnamed License #: 99999
Quarter SW Sec. 10 Twp. 26 S. R. 15 ☐ East ☑ West
County: Woods, OK Permit #: 563714

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: 05/21/2013
☑ **Confidential Release Date:** 05/21/2015
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ I ☐ II ☐ III **Approved by:** NAOMI JAMES **Date:** 05/21/2013

1119440

Operator Name: SandRidge Exploration and Production LLC Lease Name: Ellis 3119 Well #: 3-19H

Sec. 19 Twp. 31 S. R. 19 ☐ East ☑ West County: Comanche

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 ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Attached

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Base Heebner Shale Marker	4250	
Lansing Ls/Shale Group	4421	
Oswego Ls Group	4947	
Cherokee Shale Marker	5015	
Miss Unconformity	5110	
Mississippi 'Solid'	5129	

CASING RECORD ☑ New ☐ 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
Attached	Attached	Attached	Attached	Attached	Attached	Attached	Attached

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ 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 *(Amount and Kind of Material Used)*	Depth
Attached	Attached	Attached	Attached

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 3/28/2013

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: ☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Ellis 3119 3-19H
Doc ID	1119440

All Electric Logs Run

Mud Log
Porosity
Induction
Boresight

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Ellis 3119 3-19H
Doc ID	1119440

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9170-9450	4223 bbls water, 36 bbls acid, 75M lbs sd, 4446 TLTR	
5	8678-9025	4215 bbls water, 36 bbls acid, 75M lbs sd, 8909 TLTR	
5	8288-8614	4209 bbls water, 36 bbls acid, 75M lbs sd, 13340 TLTR	
5	7854-8218	4202 bbls water, 36 bbls acid, 75M lbs sd, 17636 TLTR	
5	7538-7780	4197 bbls water, 36 bbls acid, 75M lbs sd, 22015 TLTR	
5	7076-7456	4190 bbls water, 36 bbls acid, 75M lbs sd, 26318 TLTR	
5	6588-6926	4183 bbls water, 36 bbls acid, 75M lbs sd, 30670 TLTR	
5	6170-6439	4176 bbls water, 36 bbls acid, 75M lbs sd, 35029 TLTR	
5	5738-6078	4170 bbls water, 36 bbls acid, 75M lbs sd, 35049 TLTR	
5	5330-5669	4163 bbls water, 36 bbls acid, 75M lbs sd, 43774 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Ellis 3119 3-19H
Doc ID	1119440

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	30	20	75	118	Pro Oilfield Services 10 sack grout	12	none
Surface	17.5	13.38	68	295	O-Tex Lite Premium Plus 65/ Premium Plus (Class C)	480	(6% gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate 1	12.25	9.63	36	980	O-Tex Lite Premium Plus 65/ Premium Plus (Class C)	580	(6% gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate 2	8.75	7	26	5613	50/50 POZ Premium/ Premium	215	4% gel, .4% C-12, .1% C-37, .5% C-41P, 2 lb/sk Phenoseal

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Ellis 3119 3-19H
Doc ID	1119440

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Production Liner	6.12	4.5	11.6	9564	50/50 Premium Poz	465	4% gel, .4% C-12, .1% C-37, .5% C-41P, 2 lb/sk Phenoseal

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

Kansas
Corporation Commission

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

May 02, 2013

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

Re: ACO1
API 15-033-21691-01-00
Ellis 3119 3-19H
NE/4 Sec.19-31S-19W
Comanche 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

Ellis 3119 3-19H (Final)

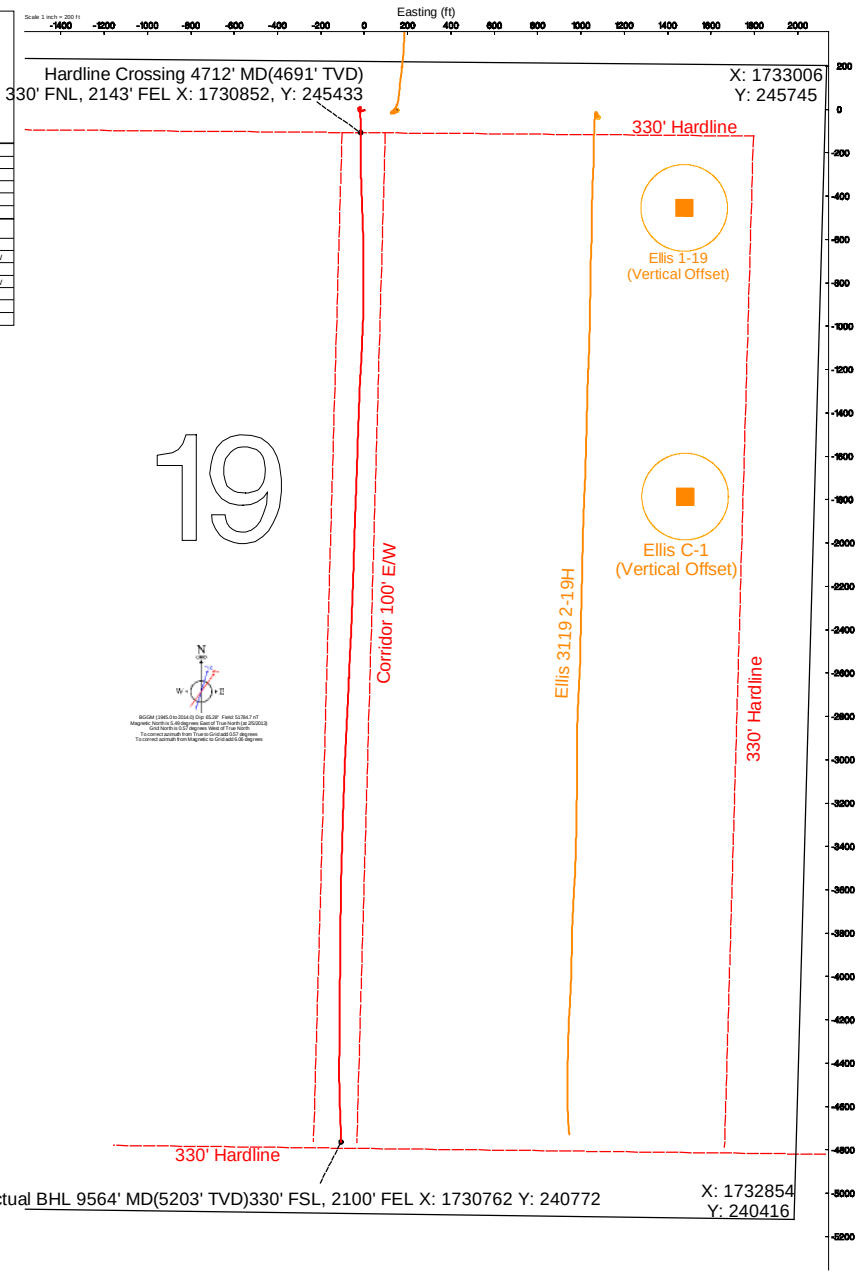
Ellis 3119 3-19H SL 250 FNL, 1050 FEL

Comanche County, Kansas (Sandridge Energy) NAD27 / Grid

Plot reference wellpath is Plan 1	
True vertical depths are referenced to Lariat 38 (KB)	Grid System: NAD27 / Lambert Kansas SP, Southern Zone (1502), US feet
Measured depths are referenced to Lariat 38 (KB)	North Reference: Grid north
Lariat 38 (KB) to Mean Sea Level: 2153.6 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: Ellis 3119 3-19H SL 250 FNL, 1050 FEL): -2134 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: broomari on 2/6/2013

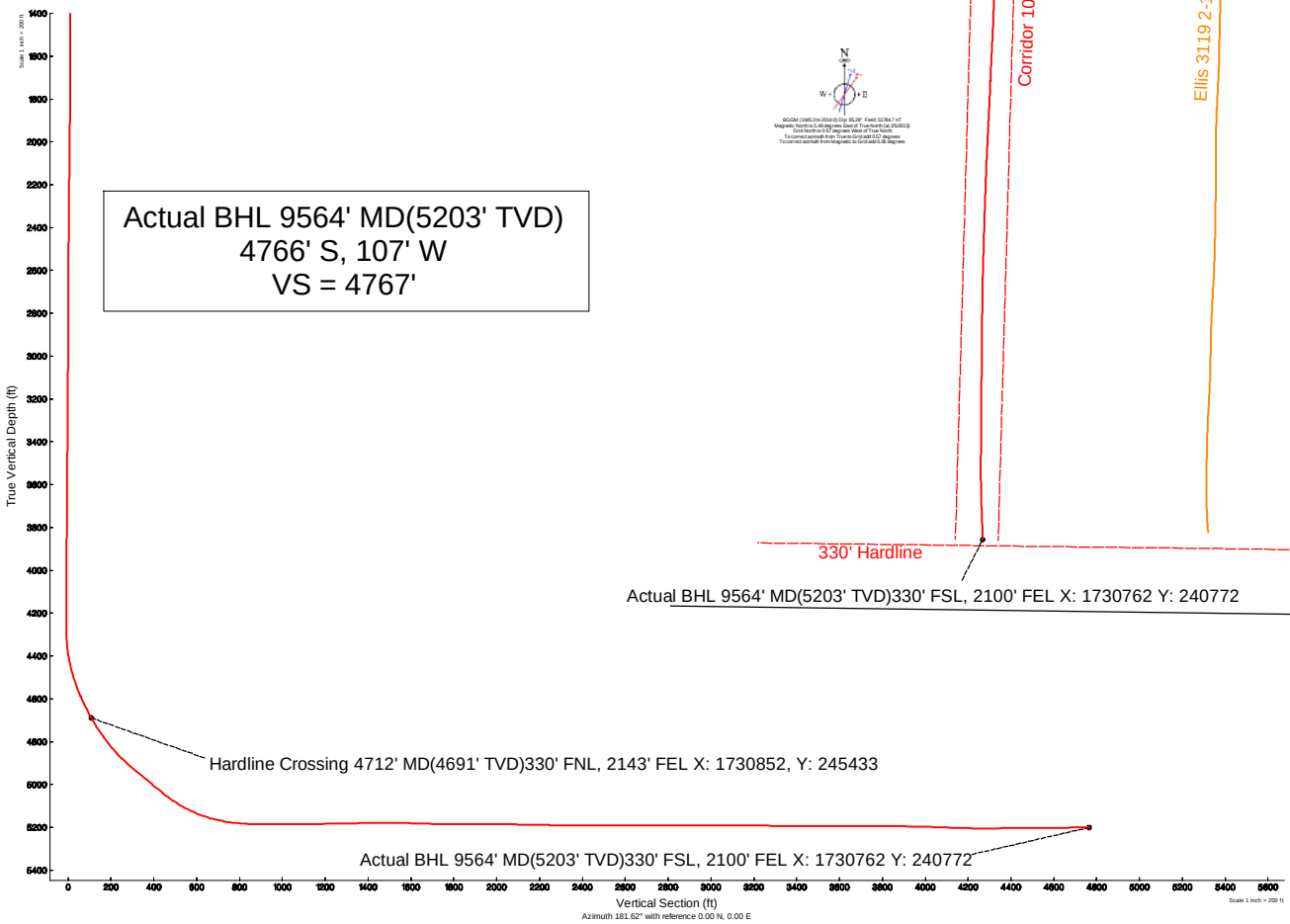
Location Information

Facility Name			Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Ellis 3119 3-19H Sec. 19-31S-19W			1730869.000	245538.000	37°20'14.418"N	99°25'32.481"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Ellis 3119 3-19H SL 250 FNL, 1050 FEL	0.00	0.00	1730869.000	245538.000	37°20'14.418"N	99°25'32.481"W
Lariat 38 (KB) to Mud line (At Slot: Ellis 3119 3-19H SL 250 FNL, 1050 FEL)					19.6ft	
Mean Sea Level to Mud line (At Slot: Ellis 3119 3-19H SL 250 FNL, 1050 FEL)					-2134ft	
Lariat 38 (KB) to Mean Sea Level					2153.6ft	



19

Actual BHL 9564' MD(5203' TVD)
4766' S, 107' W
VS = 4767'



Actual Wellpath Report

Sandridge Ellis 3119 3-19H_Final Surveys.

REFERENCE WELLPATH IDENTIFICATION

Operator	**Sandridge Energy**	Slot	**Ellis 3119 3-19H SL 250 FNL, 1050 FEL**
Area	**Kansas**	Well	**Subject**
Field	**Comanche County, Kansas (Sandridge Energy) NAD27 / Grid**	Wellbore	**Ellis 3119 3-19H Actual**
Facility	**Ellis 3119 3-19H Sec. 19-31S-19W**		

REPORT SETUP INFORMATION

Projection System	**NAD27 / Lambert Kansas SP, Southern Zone (1502), US feet**		
North Reference	**Grid**	Software System	**WellArchitect 3.0.0**
Convergence at slot	**0.57° West**	User	**Broomarl**
Scale	**0.999987**	Report Generated	**3/14/2013** at **10:10:54 AM**
Wellbore last revised	**02-05-2013**	Database/Source file	**WA_OklahomaCity**

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	**East[ft]**	**Easting[US ft]**	**Northing[US ft]**	**Latitude**	**Longitude**
Slot Location	**0.00**	**0.00**	1730869.00	245538.00	37°20'14.418"N	99°25'32.481"W
Facility Reference Pt			**1730869.00**	**245538.00**	37°20'14.418"N	99°25'32.481"W
Field Reference Pt			1773194.47	191302.75	**37°11'22.030"N**	**99°16'42.810"W**

WELLPATH DATUM

Calculation method	**Minimum curvature**	Lariat 38 (KB) to Facility Vertical Datum	**19.60ft**
Horizontal Reference Pt	**Slot**	Lariat 38 (KB) to Mean Sea Level	**2153.60ft**
Vertical Reference Pt	**Lariat 38 (KB)**	Lariat 38 (KB) to Mud Line at Slot (Ellis 3119 3-19H SL 250 FNL, 1050 FEL)	**19.60ft**
MD Reference Pt	**Lariat 38 (KB)**	Section Origin	**N 0.00, E 0.00 ft**
Field Vertical Reference	**Mean Sea Level**	Section Azimuth	**181.62°**

Actual Wellpath Report

Sandridge Ellis 3119 3-19H_Final Surveys.

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Sandridge Energy**	Slot	**Ellis 3119 3-19H SL 250 FNL, 1050 FEL**
Area	**Kansas**	Well	**Subject**
Field	**Comanche County, Kansas (Sandridge Energy) NAD27 / Grid**	Wellbore	**Ellis 3119 3-19H Actual**
Facility	**Ellis 3119 3-19H Sec. 19-31S-19W**		

WELLPATH DATA (110 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Log Comment
0.00	0.000	252.070	0.00	0.00	0.00	0.00	1730869.00	245538.00	0.00	
19.60	0.000	252.070	19.60	0.00	0.00	0.00	1730869.00	245538.00	0.00	
252.00	0.020	252.070	252.00	0.01	-0.01	-0.04	1730868.96	245537.99	0.01	
524.00	1.500	252.070	523.97	1.22	-1.12	-3.47	1730865.53	245536.88	0.54	
738.00	1.500	252.070	737.90	3.10	-2.85	-8.80	1730860.20	245535.15	0.00	
923.00	1.700	252.070	922.82	4.82	-4.44	-13.72	1730855.28	245533.56	0.11	
1156.00	0.690	252.070	1155.77	6.45	-5.93	-18.34	1730850.66	245532.07	0.43	
1625.00	0.460	290.630	1624.75	6.78	-6.14	-22.79	1730846.21	245531.86	0.09	
2100.00	0.780	344.260	2099.72	3.08	-2.36	-25.45	1730843.55	245535.64	0.13	
2575.00	0.500	311.930	2574.69	-1.35	2.14	-27.87	1730841.13	245540.14	0.09	
3050.00	0.220	22.350	3049.69	-3.54	4.37	-29.06	1730839.94	245542.37	0.10	
3525.00	0.830	29.230	3524.66	-7.45	8.21	-27.04	1730841.96	245546.21	0.13	
3620.00	0.890	63.560	3619.65	-8.40	9.14	-26.04	1730842.96	245547.14	0.54	
3714.00	0.790	75.990	3713.64	-8.92	9.63	-24.76	1730844.24	245547.63	0.22	
3809.00	0.820	72.630	3808.63	-9.32	9.99	-23.47	1730845.53	245547.99	0.06	
3904.00	0.930	48.980	3903.62	-10.06	10.70	-22.24	1730846.76	245548.70	0.39	
3999.00	0.850	75.470	3998.61	-10.78	11.38	-20.98	1730848.02	245549.38	0.44	
4094.00	0.930	72.100	4093.60	-11.23	11.79	-19.56	1730849.44	245549.79	0.10	
4189.00	0.520	79.230	4188.59	-11.58	12.11	-18.41	1730850.59	245550.11	0.44	
4220.00	0.480	46.970	4219.59	-11.71	12.23	-18.17	1730850.83	245550.22	0.90	
4251.00	0.590	81.920	4250.59	-11.82	12.34	-17.92	1730851.08	245550.34	1.09	
4283.00	1.370	150.120	4282.59	-11.53	12.03	-17.57	1730851.43	245550.03	3.98	
4315.00	2.900	180.540	4314.56	-10.39	10.89	-17.38	1730851.62	245548.89	5.79	
4347.00	5.040	188.740	4346.49	-8.19	8.69	-17.60	1730851.40	245546.69	6.90	
4378.00	7.220	187.130	4377.31	-4.89	5.41	-18.05	1730850.95	245543.41	7.05	
4410.00	10.210	183.030	4408.93	-0.06	0.58	-18.45	1730850.55	245538.58	9.54	
4441.00	12.560	181.300	4439.32	6.06	-5.53	-18.67	1730850.33	245532.47	7.66	
4473.00	14.660	179.280	4470.42	13.59	-13.06	-18.70	1730850.30	245524.94	6.73	
4505.00	17.280	178.160	4501.18	22.38	-21.86	-18.50	1730850.50	245516.14	8.24	
4536.00	19.440	178.370	4530.60	32.13	-31.62	-18.20	1730850.80	245506.38	6.97	
4568.00	21.570	179.100	4560.57	43.32	-42.83	-17.96	1730851.04	245495.17	6.70	
4600.00	23.340	179.450	4590.15	55.53	-55.05	-17.81	1730851.19	245482.95	5.55	
4631.00	25.090	178.800	4618.42	68.23	-67.76	-17.61	1730851.39	245470.24	5.71	
4663.00	26.620	179.590	4647.21	82.18	-81.72	-17.42	1730851.58	245456.29	4.90	
4695.00	28.000	179.710	4675.65	96.85	-96.40	-17.33	1730851.67	245441.60	4.32	
4712.00	29.124	179.422	4690.58	104.97	-104.52	-17.27	1730851.73	245433.48	6.66	**Hardline Crossing 4712' MD(4691' TVD)330' FNL, 2143' FEL X: 173085**
4726.00	30.050	179.200	4702.75	111.88	-111.44	-17.18	1730851.82	245426.57	6.66	
4758.00	32.520	179.080	4730.10	128.48	-128.05	-16.93	1730852.07	245409.95	7.72	
4790.00	34.490	178.850	4756.78	146.12	-145.71	-16.61	1730852.39	245392.29	6.17	
4821.00	36.270	179.320	4782.05	164.05	-163.66	-16.33	1730852.67	245374.35	5.81	
4853.00	38.000	180.050	4807.56	183.36	-182.97	-16.22	1730852.78	245355.03	5.58	
4885.00	40.180	180.330	4832.40	203.53	-203.15	-16.29	1730852.71	245334.85	6.83	
4916.00	42.340	179.960	4855.70	223.97	-223.59	-16.34	1730852.66	245314.41	7.01	
4948.00	44.540	180.230	4878.93	245.96	-245.59	-16.38	1730852.62	245292.41	6.90	
4980.00	47.640	179.130	4901.13	269.00	-268.64	-16.25	1730852.75	245269.36	10.00	

Actual Wellpath Report

Sandridge Ellis 3119 3-19H_Final Surveys.

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Sandridge Energy**	Slot	**Ellis 3119 3-19H SL 250 FNL, 1050 FEL**
Area	**Kansas**	Well	**Subject**
Field	**Comanche County, Kansas (Sandridge Energy) NAD27 / Grid**	Wellbore	**Ellis 3119 3-19H Actual**
Facility	**Ellis 3119 3-19H Sec. 19-31S-19W**		

WELLPATH DATA (110 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Log Comment
5011.00	50.740	178.540	4921.38	292.43	-292.10	-15.77	1730853.23	245245.91	10.10	
5043.00	51.800	178.640	4941.40	317.36	-317.05	-15.15	1730853.85	245220.95	3.32	
5075.00	50.210	178.260	4961.54	342.19	-341.92	-14.48	1730854.52	245196.09	5.05	
5106.00	49.740	177.720	4981.48	365.88	-365.64	-13.65	1730855.35	245172.37	2.02	
5138.00	49.990	177.670	5002.10	390.29	-390.08	-12.66	1730856.34	245147.92	0.79	
5169.00	50.900	177.980	5021.84	414.13	-413.97	-11.76	1730857.24	245124.04	3.04	
5201.00	51.160	177.730	5041.97	438.96	-438.83	-10.83	1730858.17	245099.18	1.01	
5233.00	53.180	177.610	5061.59	464.17	-464.08	-9.80	1730859.20	245073.92	6.32	
5264.00	56.060	177.470	5079.54	489.38	-489.33	-8.71	1730860.29	245048.68	9.30	
5296.00	59.490	177.810	5096.60	516.38	-516.38	-7.60	1730861.40	245021.63	10.76	
5328.00	61.860	178.680	5112.27	544.23	-544.26	-6.75	1730862.25	244993.75	7.78	
5359.00	64.850	179.430	5126.18	571.91	-571.96	-6.29	1730862.71	244966.05	9.88	
5391.00	68.090	179.610	5138.95	601.22	-601.29	-6.05	1730862.95	244936.71	10.14	
5423.00	71.010	179.730	5150.13	631.19	-631.27	-5.88	1730863.12	244906.74	9.13	
5454.00	73.640	179.850	5159.54	660.71	-660.81	-5.77	1730863.23	244877.20	8.49	
5486.00	76.910	179.340	5167.67	691.63	-691.75	-5.55	1730863.45	244846.26	10.33	
5518.00	79.800	179.870	5174.13	722.95	-723.09	-5.33	1730863.67	244814.92	9.18	
5549.00	82.030	179.670	5179.03	753.54	-753.70	-5.21	1730863.79	244784.31	7.22	
5570.00	84.200	179.920	5181.54	774.38	-774.54	-5.13	1730863.87	244763.47	10.40	
5618.00	86.820	179.780	5185.30	822.21	-822.39	-5.01	1730863.99	244715.62	5.47	
5649.00	88.680	180.040	5186.52	853.17	-853.37	-4.96	1730864.04	244684.65	6.06	
5679.00	88.550	179.350	5187.24	883.14	-883.36	-4.80	1730864.20	244654.66	2.34	
5741.00	90.180	181.840	5187.93	945.12	-945.34	-5.45	1730863.55	244592.67	4.80	
5833.00	90.340	182.710	5187.51	1037.11	-1037.27	-9.10	1730859.90	244500.75	0.96	
5925.00	90.430	182.590	5186.89	1129.09	-1129.17	-13.35	1730855.65	244408.85	0.16	
6016.00	91.200	183.230	5185.60	1220.06	-1220.04	-17.97	1730851.03	244317.98	1.10	
6108.00	91.080	182.260	5183.77	1312.02	-1311.92	-22.37	1730846.63	244226.10	1.06	
6199.00	90.960	182.320	5182.15	1403.00	-1402.83	-26.01	1730842.99	244135.19	0.15	
6291.00	90.120	181.750	5181.28	1495.00	-1494.77	-29.28	1730839.72	244043.26	1.10	
6383.00	87.940	181.610	5182.84	1586.98	-1586.71	-31.97	1730837.03	243951.32	2.37	
6474.00	88.710	182.140	5185.50	1677.94	-1677.62	-34.95	1730834.05	243860.41	1.03	
6567.00	89.080	182.340	5187.29	1770.91	-1770.53	-38.58	1730830.42	243767.50	0.45	
6661.00	90.280	182.460	5187.82	1864.90	-1864.45	-42.52	1730826.48	243673.58	1.28	
6757.00	89.940	181.380	5187.63	1960.90	-1960.39	-45.74	1730823.26	243577.64	1.18	
6852.00	89.140	181.620	5188.40	2055.89	-2055.35	-48.22	1730820.78	243482.68	0.88	
6946.00	88.710	182.110	5190.16	2149.88	-2149.29	-51.28	1730817.72	243388.75	0.69	
7042.00	89.170	182.150	5191.94	2245.86	-2245.20	-54.85	1730814.15	243292.83	0.48	
7137.00	89.970	182.320	5192.65	2340.85	-2340.13	-58.55	1730810.45	243197.91	0.86	
7231.00	89.450	182.460	5193.12	2434.84	-2434.04	-62.47	1730806.53	243103.99	0.57	
7326.00	90.250	182.930	5193.37	2529.82	-2528.94	-66.94	1730802.06	243009.10	0.98	
7421.00	89.660	182.460	5193.45	2624.80	-2623.83	-71.41	1730797.59	242914.21	0.79	
7516.00	90.800	183.050	5193.07	2719.78	-2718.72	-75.97	1730793.03	242819.32	1.35	
7611.00	90.150	182.640	5192.28	2814.76	-2813.60	-80.69	1730788.31	242724.44	0.81	
7706.00	89.170	182.740	5192.84	2909.74	-2908.49	-85.15	1730783.85	242629.55	1.04	
7801.00	89.910	182.420	5193.60	3004.72	-3003.39	-89.42	1730779.58	242534.65	0.85	

Actual Wellpath Report

Sandridge Ellis 3119 3-19H_Final Surveys.

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Sandridge Energy**	Slot	**Ellis 3119 3-19H SL 250 FNL, 1050 FEL**
Area	**Kansas**	Well	**Subject**
Field	**Comanche County, Kansas (Sandridge Energy) NAD27 / Grid**	Wellbore	**Ellis 3119 3-19H Actual**
Facility	**Ellis 3119 3-19H Sec. 19-31S-19W**		

WELLPATH DATA (110 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Log Comment
7827.00	90.090	182.260	5193.60	3030.72	-3029.37	-90.48	1730778.52	242508.68	0.93	
7922.00	90.090	182.300	5193.46	3125.71	-3124.29	-94.26	1730774.74	242413.75	0.04	
8017.00	89.110	181.910	5194.12	3220.70	-3219.23	-97.75	1730771.25	242318.82	1.11	
8111.00	88.980	181.540	5195.69	3314.69	-3313.17	-100.58	1730768.42	242224.88	0.42	
8206.00	89.940	181.920	5196.58	3409.68	-3408.12	-103.45	1730765.55	242129.93	1.09	
8302.00	89.540	181.310	5197.02	3505.68	-3504.08	-106.16	1730762.85	242033.97	0.76	
8397.00	90.710	181.210	5196.81	3600.68	-3599.06	-108.25	1730760.76	241939.00	1.24	
8491.00	89.140	180.610	5196.93	3694.67	-3693.04	-109.74	1730759.26	241845.01	1.79	
8586.00	89.850	179.790	5197.77	3789.63	-3788.04	-110.07	1730758.93	241750.02	1.14	
8681.00	90.150	181.370	5197.77	3884.61	-3883.03	-111.03	1730757.97	241655.03	1.69	
8776.00	88.300	180.500	5199.05	3979.59	-3978.00	-112.58	1730756.42	241560.06	2.15	
8871.00	87.880	180.340	5202.22	4074.52	-4072.95	-113.28	1730755.72	241465.12	0.47	
8966.00	88.030	179.880	5205.61	4169.43	-4167.88	-113.46	1730755.54	241370.18	0.51	
9061.00	89.480	180.790	5207.67	4264.38	-4262.86	-114.02	1730754.99	241275.21	1.80	
9156.00	92.400	181.060	5206.12	4359.35	-4357.82	-115.55	1730753.45	241180.24	3.09	
9251.00	90.220	179.590	5203.94	4454.29	-4452.79	-116.09	1730752.92	241085.28	2.77	
9346.00	89.780	178.930	5203.94	4549.21	-4547.78	-114.86	1730754.14	240990.29	0.83	
9441.00	90.220	177.530	5203.94	4644.04	-4642.73	-111.93	1730757.08	240895.34	1.54	
9525.00	90.520	178.120	5203.40	4727.85	-4726.67	-108.74	1730760.26	240811.40	0.79	
9564.00	90.520	178.120	5203.05	4766.78	-4765.65	-107.46	1730761.54	240772.43	0.00	**Actual BHL 9564' MD(5203' TVD)330' FSL, 2100' FEL X: 1730762 Y**

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
PBHL 330 FSL, 2130 FEL		5200.64	-4766.07	-135.00	**1730734.00**	**240772.00**	37°19'27.284"N	99°25'33.566"W	point

WELLPATH COMPOSITION - Ref Wellbore: Ellis 3119 3-19H Actual Ref Wellpath: AWP - Final

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
19.60	923.00	EMS (Standard)	RIG Single Shot Surveys	Ellis 3119 3-19H Actual
923.00	9525.00	NaviTrak (Standard)	INTEQ MWD	Ellis 3119 3-19H Actual
9525.00	9564.00	Blind Drilling (std)	Projection to bit	Ellis 3119 3-19H Actual

PRO OILFIELD SERVICES, LLC

P.O. BOX 3660
HOUMA, LA 70361-3660

Customer : SAN400

BILL TO : **SANDRIDGE ENERGY**
123 ROBERT S KERR AVENUE
OKLAHOMA CITY, OK 73102-6406
PHONE: (405) 753-5500 FAX: ()

Division : 0701
Delivery Ticket : 4068
Delivery Date : 1/28/2013
Office : 12/1/1901

Ordered By :
Lease/Well : ELLIS 3119 3-19H
Rig Name/Number : LARIAT 38
AFE Number :
Site Contact :

Qty	Description	Min / Standby / Usage Charge	Add Day	Unit Price	Start Date / Stop Date	Extended Line Total
1	ELLIS 3119 3-19H	$18,825.00	$0.00	$18,825.00	1/28/2013 1/28/2013	$18,825.00
120	DRILLED 30" CONDUCTOR HOLE	$0.00	$0.00	$0.00	1/28/2013 1/28/2013	
120	20" CONDUCTOR PIPE (.250 WALL)	$0.00	$0.00	$0.00	1/28/2013 1/28/2013	
1	6'X6' CELLAR TINHORN WITH PROTECTIVE RING	$0.00	$0.00	$0.00	1/28/2013 1/28/2013	
1	DRILL & INSTALL 6'X6' CELLAR TINHORN	$0.00	$0.00	$0.00	1/28/2013 1/28/2013	
75	DRILLED 20" MOUSE HOLE (PER FOOT)	$0.00	$0.00	$0.00	1/28/2013 1/28/2013	
75	16" CONDUCTOR PIPE (.250 WALL)	$2,925.00	$0.00	$39.00	1/28/2013 1/28/2013	$2,925.00
1	MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE	$0.00	$0.00	$0.00	1/28/2013 1/28/2013	
1	WELDING SERVICES FOR PIPE & LIDS	$0.00	$0.00	$0.00	1/28/2013 1/28/2013	
1	PROVIDED EQUIPMENT & LABOR FOR DIRT REMOVAL	$0.00	$0.00	$0.00	1/28/2013 1/28/2013	
1	PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR THE MOUSEHOLE PIPE)	$0.00	$0.00	$0.00	1/28/2013 1/28/2013	
12	CEMENT 10 SACK GROUT	$0.00	$0.00	$0.00	1/28/2013 1/28/2013	
	Sub Total:	$21,750.00	$0.00			$21,750.00

Print Name

Signature

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 2410	02/07/13

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	Sandridge Exploration & Production	Roger Barber

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Ellis 3119	3-19H	Surface	Johnny Breeze

EMP NAME							
Johnny Breeze		0					
Arthur Setzar							
Flo Helkena							
Dustin Odom							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth ~295

	Called Out	On Location	Job Started	Job Completed
Date	2/6/2013	2/6/2013	2/7/2013	2/7/2013
Time	1400	2200	0722	0900

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing		68#	13 3/8	Surface	264	5,000
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			17 1/2"	Surface	~295	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

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

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

Hours On Location

Date	Hours
2/6	2.0
2/7	9.0
Total	11.0

Operating Hours

Date	Hours
2/7	4.0
Total	4.0

Description of Job

Surface

Pressures

MAX 1,000 PSI AVG. 150

Average Rates in BPM

MAX 6 BPM AVG 5

Cement Left in Pipe

Feet 41 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	110	TEX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	270	Premium Plus (Class C)	2% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	100	Premium Plus (Class C)	* 2% Calcium Chloride (On the Side)	6.32	1.32	14.80

Summary

Preflush		Type:		Preflush:	BBl	10.00	Type: Fresh Water
Breakdown		MAXIMUM	1500 psi	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl	30	Calc.Disp Bbl 33
		Actual TOC	surface	Calc. TOC:		Surface	Actual Disp. 33.34
Average		Bump Plug PSI:	540	Final Circ.	PSI:	130	Disp:Bbl
ISIP _____ 5 Min. _____		10 Min _____	15 Min _____	Cement Slurry:	BBl	99.5	
				Total Volume	BBl	142.86	

CUSTOMER REPRESENTATIVE _____ SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 2412	02/08/13

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	Sandridge Exploration & Production	Roger Barber

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Ellis 3119	3-19H	Surface	L. ARNEY

EMP NAME

L. ARNEY		0					
J. JONES							
G. WOMACK							
D. TEWELL							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 1000

	Called Out	On Location	Job Started	Job Completed
Date	2/8/2013	2/8/2013	2/8/2013	2/8/2013
Time	5:45	9:30	11:02	13:00

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		36#	9 5/8		Surface		5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			12 1/4		Surface	1,000	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

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

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

Hours On Location

Date	Hours
2/8	3.5
Total	3.5

Operating Hours

Date	Hours
2/8	2.0
Total	2.0

Description of Job

Surface

Pressures

MAX 1,000 PSI AVG. 200

Average Rates in BPM

MAX 6 BPM AVG 5

Cement Left in Pipe

Feet 84 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	320	TEX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	160	Premium Plus (Class C)	2% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	100	Premium Plus (Class C)	* 2% Calcium Chloride (On the Side)	6.32	1.32	14.80

Summary

Preflush	10	Type:	Caustic	Preflush:	BBl	10.00	Type: Fresh Water
Breakdown		MAXIMUM	5,000 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl	49	Calc.Disp Bbl 70
		Actual TOC	SURFACE	Calc. TOC:		Surface	Actual Disp. 68.00
Average		Bump Plug PSI:	800	Final Circ.	PSI:	300	Disp:Bbl
ISIP _____ 5 Min. _____		10 Min _____	15 Min _____	Cement Slurry:	BBl	142.0	
				Total Volume	BBl	220.00	

CUSTOMER REPRESENTATIVE _____

SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 2436	02/15/13

COUNTY	State	COMPANY	CUSTOMER REP
Commanche	Kansas	Sandridge Exploration & Production	Felix Ortiz Jr.

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Ellis 3119	3-10H	Intermediate	Daniel Wells

EMP NAME							
Daniel Wells		Kevin Johnson					
Scott Woods							
Cheryl Newton							
David Settlemier							

Form. Name _____ Type: _____

Packer Type _____ Set At 4,242'

Bottom Hole Temp. 155 Pressure _____

Retainer Depth _____ Total Depth 5,613'

	Called Out	On Location	Job Started	Job Completed
Date	2/14/2013	2/15/2013	2/15/2013	2/15/2013
Time	2200	0400	0630	0745

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing		26#	7"	Surface	5,613	5,000
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			8 3/4"	Surface	5,615'	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

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

Hours On Location

Date	Hours
2/15	4.0
Total	4.0

Operating Hours

Date	Hours
2/15	1.3
Total	1.3

Description of Job

Intermediate

Pressures

MAX 5,000 PSI AVG. 300

Average Rates in BPM

MAX 8 BPM AVG 5

Cement Left in Pipe

Feet 90 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	115	50/50 POZ PREMIUM	4% Gel - 0.4% C-12 - 0.1% C-37 - 0.5% C-41P - 2 lb/sk Phenoseal	6.77	1.44	13.60
2	100	Premium	0.4% C-12 - 0.1% C-37	5.20	1.18	15.60

Summary

Preflush		Type:		Preflush:	BBl	30.00	Type: WEIGHTED SP.
Breakdown		MAXIMUM	5,000 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl	N/A	Calc.Disp Bbl 211
		Actual TOC	3726.1'	Calc. TOC:		3726.1'	Actual Disp. 211.00
Average		Bump Plug PSI:	1,330	Final Circ.	PSI:	880	Disp:Bbl 211.00
ISIP _____	5 Min. _____	10 Min. _____	15 Min. _____	Cement Slurry:	BBl	51.0	
				Total Volume	BBl	292.00	

CUSTOMER REPRESENTATIVE _____ SIGNATURE

JOB SUMMARY

COUNTY	State	COMPANY	PROJECT NUMBER	TICKET DATE
Commanche	Kansas	dridge Exploration & Produc	SOK 2456	02/21/13
LEASE NAME	Well No.	JOB TYPE	CUSTOMER REP	
Ellis 3119	3-10H	Liner	Felix Ortiz Jr	
			EMPLOYEE NAME	
			Robert Burris	

EMP NAME			
Robert Burris	Brett Armer		
Frank Reeves			
Robert Stonehocker			
Mike Chalfant			

Form. Name _____ Type: _____

Packer Type _____ Set At 5,603'
Bottom Hole Temp. 150 Pressure _____
Retainer Depth _____ Total Depth 9564

Date	Called Out	On Location	Job Started	Job Completed
	2/21/2013	2/21/2013	2/21/2013	2/21/2013
Time	10:00	15:00	17:28	19:40

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	Weatherford
Insert Float Val	0	
Centralizers	0	
Top Plug	0	
HEAD	0	
Limit clamp	0	
Weld-A	0	
Texas Pattern Guide Shoe	0	
Cement Basket	0	

Well Data

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing		11.6	4 1/2	5224	9,564	
Liner Tool						
HWDP				3,939	5,224	
Drill Pipe			3 1/2"	Surface	3,939	
Drill Collars						
Open Hole			6 1/8"	Surface	9,564	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density 9.1	Lb/Gal	
Disp. Fluid	Fresh Water	Density 8.33	Lb/Gal	
Spacer type	Gel	BBL. 30		8.60
Spacer type				
Acid Type	Gal.	%		
Acid Type	Gal.	%		
Surfactant	Gal.	In		
NE Agent	Gal.	In		
Fluid Loss	Gal/Lb	In		
Gelling Agent	Gal/Lb	In		
Fric. Red.	Gal/Lb	In		
MISC.	Gal/Lb	In		
Perfpac Balls	Qty.			
Other				
Other				
Other				
Other				
Other				

Hours On Location

Date	Hours
2/21	4.8
Total	4.8

Operating Hours

Date	Hours
2/21	1.3
Total	1.3

Description of Job: Liner

Pressures
MAX 5000 PSI AVG 750

Average Rates in BPM
MAX 6 BPM AVG 3.5

Cement Left in Pipe
Feet 90 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	465	50/50 Premium Poz	(4%Gel) - .4% C12 - .1% C37 - 0.5% C-41P - 2 Lb/Sk Phenoseal	6.77	1.44	13.60
2	0	0	0	0.00	0.00	0.00
3	0	0	0	0.00	0.00	0.00

Summary

Preflush		Type:		Preflush: BBl	30.00	Type: 8.59#SPACER
Breakdown		MAXIMUM	5000 PSI	Load & Bkdn: Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return BBl	N/A	Calc.Disp Bbl 114
		Actual TOC	4,725	Calc. TOC:	4,725	Actual Disp. 114.00
Average		Bump Plug PSI:	2,050	Final Circ. PSI:	1,025	Disp:Bbl
SIP _____	5 Min. _____	10 Min _____	15 Min _____	Cement Slurry: BBl	119.0	
				Total Volume BBl	263.00	

CUSTOMER REPRESENTATIVE _____
SIGNATURE

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	3/18/2013
Job End Date:	3/20/2013
State:	Kansas
County:	Comanche
API Number:	15-033-21691-01-00
Operator Name:	SandRidge Energy
Well Name and Number:	Ellis 3119 3-19H
Longitude:	-99.42560000
Latitude:	37.33730000
Datum:	NAD27
Federal/Tribal Well:	NO
Total Base Water Volume (gal):	1,790,451
Total Base Non Water Volume:	

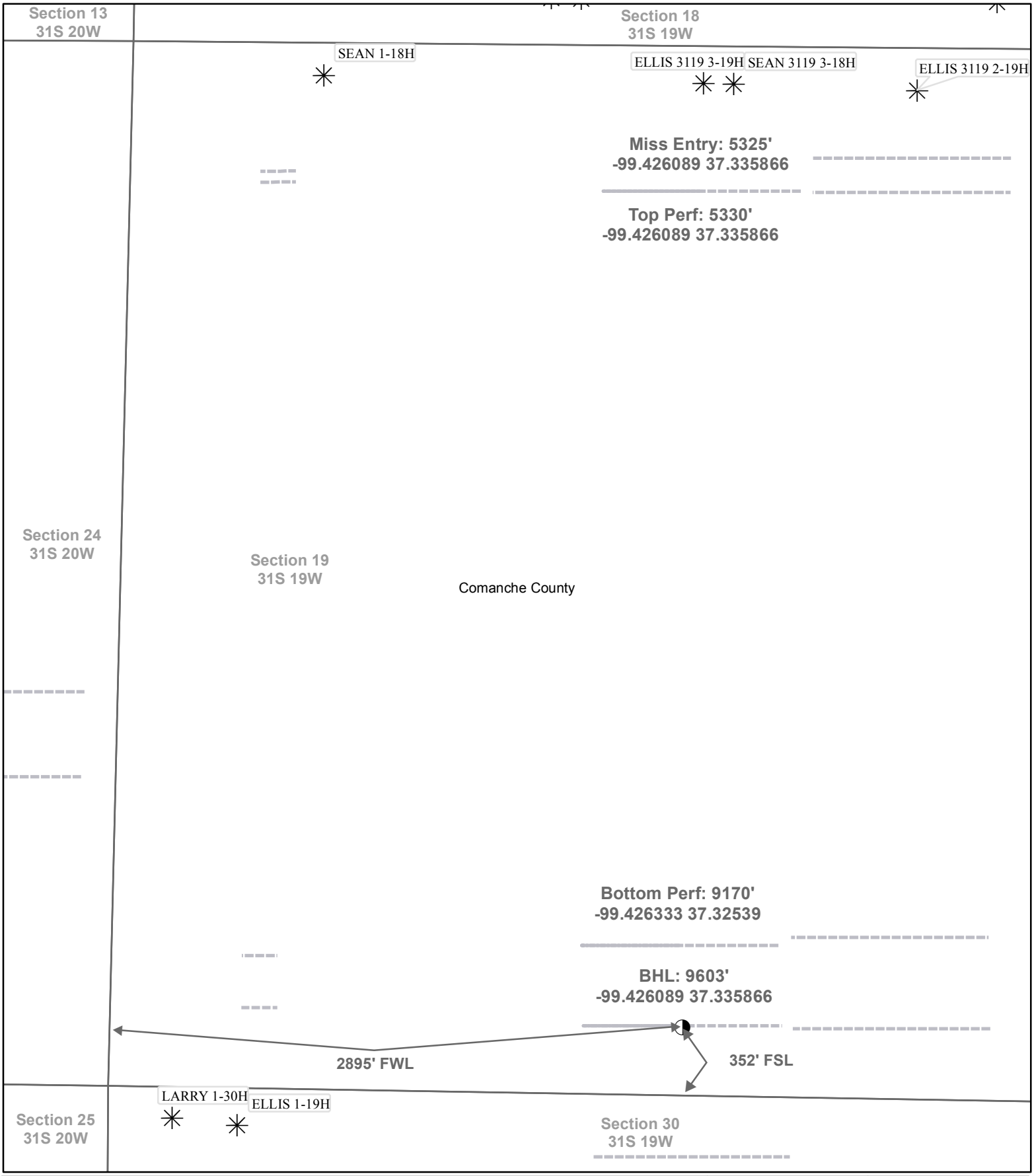
Hydraulic Fracturing Fluid Composition:

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
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.							
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Water (Including Mix Water Supplied by Client)*	-		94.92470	
			Crystalline silica	14808-60-7	95.93184	4.86883	
			Hydrogen chloride	7647-01-0	2.67113	0.13557	
			Methanol	67-56-1	0.28569	0.01450	
			Distillates (petroleum), hydrotreated light	64742-47-8	0.27914	0.01417	
			Acrylamide/ammonium acrylate copolymer	26100-47-0	0.23262	0.01181	
			Alcohol, C11 linear, ethoxylated	34398-01-1	0.13707	0.00696	
			Ammonium chloride	12125-02-9	0.13376	0.00679	
			Alcohol, C9-C11, Ethoxylated	68439-46-3	0.09138	0.00464	
			Glutaraldehyde	111-30-8	0.06606	0.00335	
			Trisodium ortho phosphate	7601-54-9	0.02641	0.00134	
			Ethoxylated oleic acid	9004-96-0	0.02326	0.00118	
			Sodium erythorbate	6381-77-7	0.02065	0.00105	
			Sorbitan monooleate	1338-43-8	0.02035	0.00103	

			Sorbitol Tetraoleate	61723-83-9	0.01454	0.00074	
			Alcohols, C12-C14, ethoxylated	68439-50-9	0.01198	0.00061	
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.01210	0.00061	
			Alcohols, C10-C16, ethoxylated	68002-97-1	0.01198	0.00061	
			Alkyl(c12-16) dimethylbenzyl ammonium chloride	68424-85-1	0.01180	0.00060	
			Fatty acids, tall-oil	61790-12-3	0.00799	0.00041	
			Ethane-1,2-diol	107-21-1	0.00752	0.00038	
			Thiourea, polymer with formaldehyde and 1-phenylethanone	68527-49-1	0.00658	0.00033	
			C14 alpha olefin ethoxylate	84133-50-6	0.00640	0.00032	
			2-Propenoic acid, ammonium salt	10604-69-0	0.00582	0.00030	
			Alcohols, C14-15, ethoxylated (7EO)	68951-67-7	0.00306	0.00016	
			Prop-2-yn-1-ol	107-19-7	0.00204	0.00010	
			Alkenes, C>10 a-	64743-02-8	0.00136	0.00007	
			Ethanol	64-17-5	0.00142	0.00007	

* 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)



SANDRIDGE
THE POWER OF US

Actual BH Location

SandRidge Wells

Perf

Sections

Actual Bottom-Hole Location of Ellis 3119 3-19H
Comanche County, Kansas
T&R: 31S 19W
Section: 19, 2895' FWL & 352' FSL
Long/Lat:-99.426089 37.335866

1 in = 641 ft

0 500 1,000 2,000 Feet

N

Draftsman: Aaron Birk	Draft Date: 5/15/2013
Drawing Name/Number: Addendum_Ellis 3119 3-19H.mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	

Remarks

Tiffany Golay 05/07/013 08:19 am	Additional Fluid Mgmt Info: 980 bbls hauled to Guard, Inc, 23-22N-13W, Major, OK
Tiffany Golay 05/02/013 10:05 am	conductor weight= 94 lbs/ft