



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1082484  
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: \_\_\_\_\_

1082484

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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	Ruby 3119 1A-20H
Doc ID	1082484

#### Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9204-9547	4198 bbls water, 36 bbls acid, 75M lbs sd, 4234 TLTR	
5	8777-9120	4330 bbls water, 36 bbls acid, 75M lbs sd, 8740 TLTR	
5	8350-8694	4173 bbls water, 36 bbls acid, 75M lbs sd, 13065 TLTR	
5	7924-8267	4161 bbls water, 36 bbls acid, 76M lbs sd, 17357 TLTR	
5	7497-7840	4170 bbls water, 36 bbls acid, 75M lbs sd, 21644 TLTR	
5	7071-7414	4243 bbls water, 36 bbls acid, 75M lbs sd, 25883 TLTR	
5	6644-6987	4191 bbls water, 36 bbls acid, 75M lbs sd, 30164 TLTR	
5	6217-6561	4070 bbls water, 36 bbls acid, 75M lbs sd, 34338 TLTR	
5	5795-6125	4082 bbls water, 36 bbls acid, 75M lbs sd, 38481 TLTR	
5	5364-5702	4216 bbls water, 49 bbls acid, 75M lbs sd, 42760 TLTR	

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Doc ID	1082484

### 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	32	20	75	120	Mid-Continent Condcutor 8 sack grout	10	none
Surface	17.5	13.37	68	405	O-TEX Lite Standard/Standard	500	(6% Gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate 1	12.25	9.63	36	935	O-Tex Lite Standard/Standard	600	(6% Gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate 2	8.75	7	26	5655	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	Ruby 3119 1A-20H
Doc ID	1082484

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	6.12	4.5	11.6	9665	50/50 Premium Poz	475	(4% Gel) .4% C12, .1% C37, .5% C- 21P, 2 lb/sk Phenoseal

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



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

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

August 13, 2012

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

Re: ACO1  
API 15-033-21633-01-00  
Ruby 3119 1A-20H  
NW/4 Sec.20-31S-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

# American Measurement Services

A Limited Liability Company

Ames, Oklahoma

Station Number: KS03R0040  
Producer: SANDRIDGE ENERGY  
Lease: RUBY 3119 1A-20H  
Sample Pressure: 72.4  
Sample Temperature: 87.1  
Cylinder Number: 1501  
Analysis By: AMS  
Date Sampled: 6/13/2012  
Analysis Run Date: 6/19/2012

Gas Components	Mole Percent	GPM
Methane	85.910	
Ethane	3.433	0.9126
Propane	0.774	0.2119
IButane	0.231	0.0751
NButane	0.351	0.1100
IPentan	0.171	0.0624
NPentan	0.123	0.0442
C6 +	0.390	0.1692
Nitrogen	8.133	
CO2	0.484	
	100.00%	1.5855

BTU @ 14.65 @ 60 F - Real

Dry 997.8  
Wet 980.3

Gasoline Content

Propane And Heavier 0.6729  
Butane And Heavier 0.4610  
Pentane And Heavier 0.2758

Specific Gravity - Real 0.6421  
Z = 0.9978

H2S Field Test: 0 PPM

Field Remarks: First Sales - CO2= .3

Analysis Based Upon GPA 2145, 2172, And 2261

# DRILTECH MWD SURVEY REPORT

Company:	Sandridge Energy	Job Number:	KTX-043
Well:	Ruby 3119 1A-20H	Magnetic Decl.:	6.05
Location:	SEC 20- T31S- R19W	Grid Corr.:	
Rig:	Lariat 38	Total Grid Corr.:	6.05
		Calculation Method	Minimum Curvature
		Proposed Azimuth	181.63
		WELL API #	1503321633-01-00
		Tie Into:	MWD

Survey #	Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')		
								N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)				
Tie In	MWD	0	0.00	0.00	0	0	0	0	0	0	0	0	0		
1	MWD	1046.00	0.90	317.00	1046	1045.96	-5.85	6.01	N	5.60	W	8.22	317.00	0.09	0.09
2	MWD	1331.00	1.10	318.60	285	1330.91	-9.44	9.70	N	8.94	W	13.19	317.33	0.07	0.07
3	MWD	1617.00	1.30	298.00	286	1616.85	-12.89	13.28	N	13.62	W	19.02	314.28	0.17	0.07
4	MWD	1903.00	1.40	306.90	286	1902.77	-16.35	16.90	N	19.28	W	25.64	311.24	0.08	0.03
5	MWD	2188.00	1.50	305.00	285	2187.68	-20.41	21.13	N	25.12	W	32.82	310.07	0.04	0.04
6	MWD	2474.00	1.00	294.20	286	2473.61	-23.42	24.30	N	30.46	W	38.97	308.58	0.19	-0.17
7	MWD	2950.00	1.00	306.50	476	2949.54	-27.39	28.47	N	37.59	W	47.15	307.15	0.05	0.00
8	MWD	3426.00	0.90	320.90	476	3425.47	-32.60	33.85	N	43.28	W	54.95	308.02	0.05	-0.02
9	MWD	3902.00	1.10	275.40	476	3901.41	-35.73	37.18	N	50.19	W	62.46	306.53	0.17	0.04
10	MWD	4282.00	1.20	271.80	380	4281.33	-35.99	37.65	N	57.80	W	68.98	303.08	0.03	0.03
11	MWD	4314.00	1.00	269.60	32	4313.33	-35.98	37.65	N	58.41	W	69.50	302.81	0.64	-0.63
12	MWD	4345.00	1.60	201.20	31	4344.32	-35.56	37.25	N	58.84	W	69.64	302.34	4.98	1.94
13	MWD	4377.00	3.30	188.00	32	4376.29	-34.22	35.92	N	59.13	W	69.18	301.28	5.56	5.31
14	MWD	4409.00	3.60	172.30	32	4408.23	-32.32	34.01	N	59.12	W	68.21	299.91	3.09	0.94
15	MWD	4440.00	5.30	152.80	31	4439.14	-30.10	31.77	N	58.34	W	66.43	298.57	7.27	5.48
16	MWD	4472.00	8.00	152.90	32	4470.92	-26.85	28.48	N	56.65	W	63.40	296.69	8.44	8.44
17	MWD	4504.00	11.10	154.90	32	4502.47	-22.15	23.70	N	54.33	W	59.27	293.57	9.74	9.69
18	MWD	4536.00	14.80	159.00	32	4533.66	-15.62	17.10	N	51.55	W	54.31	288.35	11.91	11.56
19	MWD	4567.00	14.90	163.80	31	4563.62	-8.17	9.57	N	49.02	W	49.95	281.05	3.98	0.32
20	MWD	4599.00	15.40	169.80	32	4594.51	-0.10	1.44	N	47.12	W	47.14	271.75	5.14	1.56
21	MWD	4631.00	17.20	175.30	32	4625.23	8.76	7.46	S	45.98	W	46.58	260.79	7.40	5.63
22	MWD	4663.00	20.00	177.20	32	4655.55	18.93	17.64	S	45.33	W	48.64	248.73	8.95	8.75
23	MWD	4694.00	23.00	179.10	31	4684.39	30.26	29.00	S	44.97	W	53.51	237.19	9.93	9.68
24	MWD	4726.00	25.60	180.50	32	4713.55	43.42	42.16	S	44.94	W	61.62	226.82	8.32	8.13
25	MWD	4758.00	28.30	180.90	32	4742.08	57.92	56.66	S	45.11	W	72.43	218.53	8.46	8.44
26	MWD	4790.00	31.50	180.90	32	4769.81	73.87	72.61	S	45.37	W	85.62	212.00	10.00	10.00
27	MWD	4821.00	34.20	178.80	31	4795.85	90.68	89.42	S	45.31	W	100.25	206.87	9.45	8.71
28	MWD	4853.00	36.60	177.80	32	4821.94	109.18	107.95	S	44.76	W	116.86	202.52	7.72	7.50
29	MWD	4885.00	38.20	176.90	32	4847.36	128.56	127.36	S	43.85	W	134.70	199.00	5.28	5.00
30	MWD	4917.00	40.30	177.10	32	4872.14	148.74	147.58	S	42.80	W	153.66	196.17	6.57	6.56
31	MWD	4948.00	42.30	177.00	31	4895.42	169.13	168.01	S	41.74	W	173.12	193.95	6.46	6.45
32	MWD	4980.00	44.50	177.10	32	4918.67	191.05	189.97	S	40.61	W	194.26	192.07	6.88	6.88



# DRILTECH MWD SURVEY REPORT

Company: Sandridge Energy Job Number: KTX-043 Calculation Method Minimum Curvature  
 Well: Ruby 3119 1A-20H Magnetic Decl.: 6.05 Proposed Azimuth 181.63  
 Location: SEC 20- T31S- R19W Grid Corr.:          WELL API # 1503321633-01-00  
 Rig: Lariat 38 Total Grid Corr.: 6.05 Tie Into: MWD

Survey #	Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')		
								N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)				
33	MWD	5012.00	46.40	176.40	32	4941.12	213.77	212.74	S	39.32	W	216.34	190.47	6.14	5.94
34	MWD	5044.00	48.60	176.40	32	4962.74	237.26	236.28	S	37.83	W	239.29	189.10	6.88	6.88
35	MWD	5075.00	49.20	176.60	31	4983.12	260.53	259.60	S	36.41	W	262.14	187.98	2.00	1.94
36	MWD	5107.00	49.10	176.10	32	5004.05	284.63	283.75	S	34.87	W	285.89	187.01	1.22	-0.31
37	MWD	5139.00	49.00	176.50	32	5025.02	308.69	307.87	S	33.31	W	309.67	186.17	0.99	-0.31
38	MWD	5171.00	48.90	176.70	32	5046.04	332.73	331.96	S	31.88	W	333.49	185.48	0.57	-0.31
39	MWD	5202.00	48.50	177.20	31	5066.50	355.95	355.22	S	30.64	W	356.54	184.93	1.77	-1.29
40	MWD	5234.00	50.10	176.80	32	5087.36	380.13	379.44	S	29.37	W	380.58	184.43	5.09	5.00
41	MWD	5266.00	53.40	176.60	32	5107.17	405.16	404.53	S	27.92	W	405.49	183.95	10.32	10.31
42	MWD	5298.00	56.50	177.30	32	5125.55	431.27	430.69	S	26.53	W	431.50	183.52	9.85	9.69
43	MWD	5329.00	59.70	178.70	31	5141.93	457.53	456.98	S	25.62	W	457.70	183.21	11.01	10.32
44	MWD	5361.00	62.60	179.90	32	5157.37	485.53	485.01	S	25.28	W	485.66	182.98	9.64	9.06
45	MWD	5392.00	65.70	181.30	31	5170.88	513.42	512.90	S	25.57	W	513.54	182.85	10.79	10.00
46	MWD	5424.00	68.30	181.80	32	5183.38	542.87	542.34	S	26.37	W	542.98	182.78	8.25	8.12
47	MWD	5456.00	71.00	180.50	32	5194.51	572.87	572.33	S	26.97	W	572.97	182.70	9.26	8.44
48	MWD	5488.00	74.40	179.80	32	5204.03	603.41	602.88	S	27.05	W	603.49	182.57	10.83	10.63
49	MWD	5519.00	78.80	179.50	31	5211.21	633.54	633.03	S	26.86	W	633.60	182.43	14.22	14.19
50	MWD	5551.00	82.50	178.00	32	5216.41	665.07	664.59	S	26.17	W	665.11	182.26	12.45	11.56
51	MWD	5583.00	84.80	177.40	32	5219.95	696.79	696.37	S	24.90	W	696.81	182.05	7.43	7.19
52	MWD	5615.00	86.60	177.10	32	5222.34	728.61	728.24	S	23.37	W	728.61	181.84	5.70	5.62
53	MWD	5670.00	90.20	175.30	55	5223.88	783.33	783.08	S	19.72	W	783.33	181.44	7.32	6.55
54	MWD	5761.00	92.40	176.00	91	5221.82	873.80	873.79	S	12.82	W	873.89	180.84	2.54	2.42
55	MWD	5854.00	89.90	176.00	93	5219.95	966.33	966.54	S	6.34	W	966.56	180.38	2.69	-2.69
56	MWD	5946.00	88.80	176.70	92	5220.99	1057.93	1058.35	S	0.48	W	1058.35	180.03	1.42	-1.20
57	MWD	6037.00	88.40	180.00	91	5223.22	1148.74	1149.27	S	2.14	E	1149.27	179.89	3.65	-0.44
58	MWD	6129.00	88.10	182.80	92	5226.03	1240.69	1241.19	S	0.11	W	1241.19	180.00	3.06	-0.33
59	MWD	6220.00	90.20	183.50	91	5227.38	1331.64	1332.03	S	5.11	W	1332.04	180.22	2.43	2.31
60	MWD	6311.00	89.80	183.40	91	5227.38	1422.60	1422.87	S	10.58	W	1422.91	180.43	0.45	-0.44
61	MWD	6402.00	88.60	184.20	91	5228.65	1513.52	1513.66	S	16.61	W	1513.75	180.63	1.58	-1.32
62	MWD	6495.00	90.40	184.70	93	5229.46	1606.40	1606.37	S	23.83	W	1606.55	180.85	2.01	1.94
63	MWD	6587.00	89.50	184.70	92	5229.54	1698.27	1698.06	S	31.37	W	1698.35	181.06	0.98	-0.98
64	MWD	6679.00	89.10	185.50	92	5230.66	1790.09	1789.69	S	39.54	W	1790.13	181.27	0.97	-0.43
65	MWD	6775.00	90.90	183.70	96	5230.66	1885.95	1885.37	S	47.24	W	1885.96	181.44	2.65	1.88
66	MWD	6871.00	90.80	182.50	96	5229.24	1981.91	1981.22	S	52.43	W	1981.91	181.52	1.25	-0.10
67	MWD	6966.00	91.40	183.00	95	5227.42	2076.87	2076.09	S	56.99	W	2076.87	181.57	0.82	0.63
68	MWD	7062.00	91.10	182.40	96	5225.32	2172.83	2171.96	S	61.51	W	2172.83	181.62	0.70	-0.31

# DRILTECH MWD SURVEY REPORT

Company: Sandridge Energy Job Number: KTX-043 Calculation Method Minimum Curvature  
 Well: Ruby 3119 1A-20H Magnetic Decl.: 6.05 Proposed Azimuth 181.63  
 Location: SEC 20- T31S- R19W Grid Corr.: 6.05 WELL API # 1503321633-01-00  
 Rig: Lariat 38 Total Grid Corr.: 6.05 Tie Info: MWD

Survey #	Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')		
								N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)				
69	MWD	7157.00	90.60	182.20	95	5223.91	2267.81	2266.87	S	65.32	W	2267.81	181.65	0.57	-0.53
70	MWD	7253.00	89.70	181.70	96	5223.66	2363.81	2362.82	S	68.59	W	2363.81	181.66	1.07	-0.94
71	MWD	7349.00	89.40	181.30	96	5224.41	2459.81	2458.78	S	71.10	W	2459.81	181.66	0.52	-0.31
72	MWD	7444.00	89.40	181.40	95	5225.41	2554.80	2553.75	S	73.34	W	2554.80	181.65	0.11	0.00
73	MWD	7540.00	88.10	181.70	96	5227.50	2650.78	2649.69	S	75.94	W	2650.78	181.64	1.39	-1.35
74	MWD	7636.00	87.60	182.00	96	5231.11	2746.71	2745.57	S	79.03	W	2746.71	181.65	0.61	-0.52
75	MWD	7731.00	89.10	181.80	95	5233.84	2841.66	2840.48	S	82.18	W	2841.66	181.66	1.59	1.58
76	MWD	7827.00	90.30	181.50	96	5234.34	2937.66	2936.43	S	84.95	W	2937.66	181.66	1.29	1.25
77	MWD	7923.00	89.50	181.20	96	5234.51	3033.66	3032.41	S	87.21	W	3033.66	181.65	0.89	-0.83
78	MWD	8018.00	89.00	181.00	95	5235.75	3128.65	3127.38	S	89.03	W	3128.65	181.63	0.57	-0.53
79	MWD	8114.00	88.40	181.10	96	5237.93	3224.62	3223.34	S	90.79	W	3224.62	181.61	0.63	-0.62
80	MWD	8210.00	87.90	181.70	96	5241.03	3320.56	3319.26	S	93.13	W	3320.56	181.61	0.81	-0.52
81	MWD	8305.00	87.00	181.60	95	5245.26	3415.47	3414.12	S	95.87	W	3415.47	181.61	0.95	-0.95
82	MWD	8401.00	88.60	182.00	96	5248.94	3511.40	3510.00	S	98.88	W	3511.40	181.61	1.72	1.67
83	MWD	8496.00	89.50	181.40	95	5250.52	3606.38	3604.95	S	101.70	W	3606.38	181.62	1.14	0.95
84	MWD	8592.00	88.80	181.70	96	5251.94	3702.37	3700.90	S	104.29	W	3702.37	181.61	0.79	-0.73
85	MWD	8687.00	88.90	182.80	95	5253.85	3797.34	3795.81	S	108.02	W	3797.34	181.63	1.16	0.11
86	MWD	8782.00	88.10	182.40	95	5256.34	3892.30	3890.67	S	112.33	W	3892.30	181.65	0.94	-0.84
87	MWD	8878.00	88.00	180.40	96	5259.60	3988.23	3986.59	S	114.68	W	3988.23	181.65	2.08	-0.10
88	MWD	8974.00	89.70	182.20	96	5261.53	4084.21	4082.53	S	116.85	W	4084.21	181.64	2.58	1.77
89	MWD	9069.00	91.60	183.10	95	5260.45	4179.18	4177.42	S	121.25	W	4179.18	181.66	2.21	2.00
90	MWD	9165.00	90.80	182.00	96	5258.44	4275.14	4273.30	S	125.52	W	4275.15	181.68	1.42	-0.83
91	MWD	9261.00	92.90	182.90	96	5255.34	4371.08	4369.16	S	129.62	W	4371.08	181.70	2.38	2.19
92	MWD	9357.00	92.20	181.90	96	5251.07	4466.97	4464.98	S	133.63	W	4466.98	181.71	1.27	-0.73
93	MWD	9452.00	92.10	182.10	95	5247.51	4561.90	4559.85	S	136.95	W	4561.91	181.72	0.24	-0.11
94	MWD	9548.00	88.00	177.10	96	5247.42	4657.79	4655.80	S	136.28	W	4657.79	181.68	6.73	-4.27
95	MWD	9616.00	88.90	177.20	68	5249.26	4725.56	4723.69	S	132.90	W	4725.56	181.61	1.33	1.32
PTB	MWD	9665.00	89.55	177.30	49	5249.93	4774.41	4772.63	S	130.54	W	4774.41	181.57	1.34	1.33
	MWD														
	MWD														
	MWD														
	MWD														
	MWD														
	MWD														
	PTB														

Section 18  
31S 19W

Section 17  
31S 19W

RUBY 3119 1A-20H



Miss Entry: 5348'  
-99.41577 37.336097

Top Perf: 5364'  
-99.41577 37.336097

Section 19  
31S 19W

Section 20  
31S 19W

Bottom Perf: 9204'  
-99.415645 37.32579

BHL: 9665'  
-99.4156 37.324432

988' FEL

420' FSL

Section 30  
31S 19W

Section 29  
31S 19W



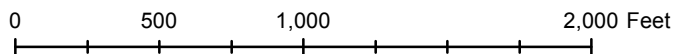
Actual Bottom-Hole Location of Ruby 3119 1A-20H  
Comanche County, Kansas  
T&R: 31S 19W  
Section: 20, 420' FSL & 988' FEL  
Long: -99.4156 37.324432  
1 in = 667 ft



- Actual BH Location
- \* SandRidge Wells

--- Perf

□ Sections



Draftsman:

Aaron Birk

Draft Date: 8/16/2012

Drawing Name/Number:

Addendum\_Ruby\_3119\_1A-20H.mxd

Coordinate System:

NAD 1927 State Plane  
Kansas South FIPS: 1502

# Mid-Continent Conductor, LLC

P.O. Box 1570  
Woodward, OK 73802

Phone: (580)254-5400  
Fax: (580)254-3242

## Invoice

Date	Invoice #
4/30/2012	1305

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
Jason	Net 45	4/30/2012	Ruby 1-20H, Comanche Cnty, KS	Lariat 38

Item	Quantity	Description	
Conductor Hole	100	Drilled 100 ft. conductor hole	
20" Pipe	100	Furnished 100 ft. 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 6' X 6' cellar hole	
6' X 6' Tinhorn	1	Furnished and set 6' X 6' tinhorn	
Mud and Water	1	Furnished mud and water	
Transport Truck - Conductor	1	Transport mud and water to location	
Grout & Trucking	10	Furnished grout and trucking to location	
Grout Pump	1	Furnished grout pump	
Welder & Materials	1	Furnished welder and materials	
Dirt Removal	1	Furnished labor and equipment for dirt removal	
Cover Plate	1	Furnished cover plates	
Permits	1	Permits	
			<b>Subtotal</b> \$23,910.00
			<b>Sales Tax (0.0%)</b> \$0.00
			<b>Total</b> \$23,910.00

<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK1448</b>	TICKET DATE <b>05/07/12</b>
COUNTY <b>COMANCHE</b>	State <b>KANSAS</b>	COMPANY <b>Bridge Exploration &amp; Produc</b>	CUSTOMER REP <b>ROGER BARBER</b>	
LEASE NAME <b>RUBY 3119</b>	Well No. <b>1A-20H</b>	JOB TYPE <b>Surface</b>	EMPLOYEE NAME <b>LOUIS ARNEY</b>	

EMP NAME <b>LOUIS ARNEY</b>					
<b>Jason Jones</b>					
<b>Cheryl Newton</b>					
<b>Marcos Quintana</b>					

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At **0**  
 Bottom Hole Temp. **80** Pressure \_\_\_\_\_  
 Retainer Depth \_\_\_\_\_ Total Depth **300'**

Date	Called Out <b>5/6/2012</b>	On Location <b>5/6/2012</b>	Job Started <b>5/7/2012</b>	Job Completed <b>5/7/2012</b>
Time	<b>17:00</b>	<b>22:30</b>	<b>11:26</b>	<b>12:28</b>

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

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		54.5	13 3/8		Surface	1,000'	1,500
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			12 1/4"		Surface	300'	Shots/Ft.
Perforations							
Perforations							
Perforations							

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

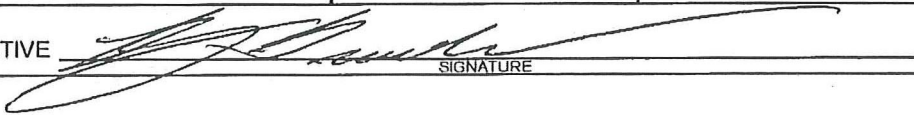
Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
5/6	14.0	5/7	1.0	Surface
Total	14.0	Total	1.0	

Perfpac Balls	Qty.
Other	
Other	
Other	
Other	

Pressures	
MAX 1,500 PSI	AVG. 250
Average Rates in BPM	
MAX 6 BPM	AVG 6
Cement Left in Pipe	
Feet 44	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	250	O-TEX Lite Standard	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	150	Standard	2% Calcium Chloride - 1/4pps Cello-Flake	5.20	1.18	15.60
3	100	Standard	2% Calcium Chloride on side to use if necessary	5.20	1.18	15.60

Summary							
Preflush Breakdown		Type: _____	Preflush: BBI	<b>10.00</b>	Type: Fresh Water		
		MAXIMUM	Load & Bkdn: Gal - BBI	N/A	Pad: Bbl - Gal	N/A	
		Lost Returns-h	Excess /Return BBI	2	Calc. Disp Bbl	57	
		Actual TOC	Calc. TOC:	SURFACE	Actual Disp.	57.42	
Average		Bump Plug PSI:	Final Circ. PSI:		Disp: Bbl		
ISIP	5 Min.	10 Min	Cement Slurry: BBI	<b>113.5</b>			
		15 Min	Total Volume BBI	<b>180.92</b>			

CUSTOMER REPRESENTATIVE  SIGNATURE

<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK1453</b>	TICKET DATE <b>05/08/12</b>
COUNTY <b>COMANCHE</b>	State <b>KANSAS</b>	COMPANY <b>Bridge Exploration &amp; Produc</b>	CUSTOMER REP <b>ROGER BARBER</b>	
LEASE NAME <b>RUBY 3119</b>	Well No. <b>1A-20H</b>	JOB TYPE <b>Surface</b>	EMPLOYEE NAME <b>Mathew Wilson</b>	

EMP NAME					
<b>Matt Wilson</b>					
<b>Jayson Pierce</b>					
<b>David Thomas</b>					
<b>Billy Taff</b>					

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At **0**  
 Bottom Hole Temp. **80** Pressure \_\_\_\_\_  
 Retainer Depth \_\_\_\_\_ Total Depth **1000'**

Date	Called Out <b>6/8/2012</b>	On Location <b>6/8/2012</b>	Job Started <b>6/8/2012</b>	Job Completed <b>6/9/2012</b>
Time	<b>10:00 am</b>	<b>3:00 pm</b>	<b>7:50 pm</b>	<b>2:30 am</b>

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		36.0	9 5/8		Surface	939	1,500
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			12 1/4"		Surface	939	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 Water BBL.		10 8.33
Spacer type	BBL.		
Acid Type	Gal.		%
Acid Type	Gal.		%
Surfactant	Gal.		In
NE Agent	Gal.		In
Fluid Loss	Gal/Lb		In
Gelling Agent	Gal/Lb		In
Fric. Red.	Gal/Lb		In
MISC.	Gal/Lb		In
Perfpac Balls		Qty.	
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
5/8	9.0	5/8	4.0	Surface
5/9	2.0			
Total	11.0	Total	4.0	

Pressures	
MAX 1,500 PSI	AVG 75
Average Rates in BPM	
MAX 6 BPM	AVG 4
Cement Left in Pipe	
Feet 47	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	320	O-TEX Lite Standard	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	180	Standard	2% Calcium Chloride - 1/4pps Cello-Flake	5.20	1.18	15.60
3	100	Standard	2% Calcium Chloride on side to use if necessary	5.20	1.18	15.60

Summary					
Preflush Breakdown	Type: _____	MAXIMUM _____	Lost Returns-N _____	Actual TOC _____	Bump Plug PSI: _____
Average (5 Min. _____)	10 Min _____	15 Min _____	Preflush: BBI _____	Load & Bkdn: Gal - BBI _____	Excess /Return BBI _____
			Calc. TOC: _____	Final Circ. PSI: _____	Cement Slurry: BBI _____
			Total Volume BBI _____	_____	_____

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

<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK1475</b>	TICKET DATE <b>05/15/12</b>
COUNTY <b>COMANCHE</b>	State <b>KANSAS</b>	COMPANY <b>Sandridge Exploration &amp; Production</b>	CUSTOMER REP <b>FELIX ORTIZ</b>	
LEASE NAME <b>RUBY 3119</b>	Well No. <b>1A-20H</b>	JOB TYPE <b>Intermediate</b>	EMPLOYEE NAME <b>ROBERT BURRIS</b>	

EMP NAME	<b>Robert Burris</b>	<b>0</b>					
	<b>Arthur Setzar</b>						
	<b>Rocky Anthis</b>						
	<b>Larry Kirchner Sr.</b>						

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At **0**  
 Bottom Hole Temp. **155** Pressure \_\_\_\_\_  
 Retainer Depth \_\_\_\_\_ Total Depth **5655**

Date	Called Out <b>5/15/2012</b>	On Location <b>5/15/2012</b>	Job Started <b>5/16/2012</b>	Job Completed <b>5/16/2012</b>
Time	<b>17:30</b>	<b>21:00</b>	<b>06:00</b>	<b>07:30</b>

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

New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	26#	7"		Surface	5,655	5,000
Liner						
Liner						
Tubing		0				
Drill Pipe						
Open Hole		8 3/4"		Surface	5,655	Shots/Ft.
Perforations						
Perforations						
Perforations						

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

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
5/15	10.5	5/16	2.0	Intermediate
Total	10.5	Total	2.0	

Pressures	
MAX	5,000 PSI
AVG.	475
Average Rates in BPM	
MAX	8 BPM
AVG	5.5
Cement Left in Pipe	
Feet	91
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
3	0	0		0	0.00	0.00

Summary					
Preflush	<b>10</b>	Type:	Caustic	Preflush:	BBI
Breakdown		MAXIMUM	5,000 PSI	Load & Bkdn:	Gal - BBI
		Lost Returns-N	NO/FULL	Excess /Return	BBI
		Actual TOC		Calc. TOC:	
Average		Bump Plug PSI:	1,500	Final Circ.	PSI:
ISIP	5 Min.	10 Min.	15 Min.	Cement Slurry:	BBI
				Total Volume	BBI
					<b>281.00</b>

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

<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK1499</b>	TICKET DATE <b>05/24/12</b>
COUNTY <b>COMANCHE</b>	State <b>KANSAS</b>	COMPANY <b>Bridge Exploration &amp; Produc</b>	CUSTOMER REP <b>Roger</b>	
LEASE NAME <b>RUBY 3119 1A-20H</b>	Well No. <b>1-27H</b>	JOB TYPE <b>Liner</b>	EMPLOYEE NAME <b>Robert Burris</b>	

EMP NAME	<b>Robert Burris</b>	0.00							
	<b>Bryan Douglas</b>								
	<b>Marcos Quintana</b>								
	<b>Jessie McClain</b>								

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At **5,655**  
 Bottom Hole Temp. **150** Pressure \_\_\_\_\_  
 Retainer Depth \_\_\_\_\_ Total Depth **9665**

Date	Called Out <b>6/24/2012</b>	On Location <b>4/30/2012</b>	Job Started <b>4/30/2012</b>	Job Completed <b>4/30/2012</b>
Time	<b>05:00</b>	<b>08:00</b>	<b>08:15</b>	<b>11:30</b>

Type and Size	Qty	Make
Auto Fill Tube	0	<b>Weatherford</b>
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		5,233'	9,543'	3,500
Liner Tool					5,215'	5,233'	3,500
HWDP					3,836.33'	5,215'	3,500
Drill Pipe			3 1/2"		Surface	3,836.33'	3,500
Drill Collars							3,500
Open Hole			6 1/8"		Surface	9,665	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	<b>9.1</b> Lb/Gal
Disp. Fluid	Fresh Water	Density	<b>8.33</b> Lb/Gal
Spacer type	<b>C-63 BBL.</b>		<b>30</b> <b>9.00</b>
Spacer type	BBL.		
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
MISC.	Gal/Lb	In	
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
<b>6/24</b>	<b>3.5</b>	<b>5/24</b>	<b>3.0</b>	Liner
Total	<b>3.5</b>	Total	<b>3.0</b>	

Pressures	
MAX	3,500 PSI
AVG.	750
Average Rates in BPM	
MAX	6 BPM
AVG	5
Cement Left in Pipe	
Feet	88
Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
<b>1</b>	<b>475</b>	<b>50/50 Premium Poz</b>	<b>(4%Gel) - .4% C12 - .1% C37 - 0.5% C-41P - 2 Lb/Sk Phenoseal</b>	<b>6.77</b>	<b>1.44</b>	<b>13.60</b>
<b>2</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>0.00</b>	<b>0.00</b>
<b>3</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>0.00</b>	<b>0.00</b>

Summary					
Preflush Breakdown	Type: _____	Preflush: BBI	<b>30.00</b>	Type: <b>9#SPACER</b>	
	MAXIMUM	Load & Bkdn: Gal - BBI	<b>N/A</b>	Pad: Bbl -Gal	<b>N/A</b>
	Lost Returns-N	Excess /Return BBI	<b>N/A</b>	Calc. Disp Bbl	<b>99</b>
	Actual TOC	Calc. TOC:	<b>4,837</b>	Actual Disp.	<b>99.00</b>
Average	Bump Plug PSI: <b>1,800</b>	Final Circ. PSI:	<b>850</b>	Disp: Bbl	
ISIP	5 Min. _____ 10 Min. _____ 15 Min. _____	Cement Slurry: BBI	<b>121.8</b>		
		Total Volume BBI	<b>250.80</b>		

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



Logo

Back to Well Completion

# Ruby 3119 1A-20H (1082484)

**Actions**

View PDF
Delete
Edit
Certify & Submit
Request Confidentiality

**Attachments**

Two Year Confidentiality OPERATOR	View PDF Delete
Gas Analysis OPERATOR	View PDF Delete
Directional Survey OPERATOR	View PDF Delete
As Drilled Plat OPERATOR	View PDF Delete
Cement Reports OPERATOR	View PDF Delete

Add Attachment

**Remarks**

Remarks to KCC
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Add Remark

**Remarks**

Tiffany Golay 08/28/012 02:26 pm	Additional Fluid Mgmt Information: 700 bbls hauled to West OK Disposal, Smith Estate; Well #1, 21-23N 21W, Woodward County, OK 280 bbls hauled to Dixie 1-25 SWD, 25-31S-20W, Comanche County, KS
Tiffany Golay 08/22/012 09:17 am	Conductor set with 10 yards of grout. Conductor weight= 94 lbs/ft