



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1233348
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: _____

1233348

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> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	10/4/2014
Job End Date:	10/6/2014
State:	Kansas
County:	Comanche
API Number:	15-033-21769-02-00
Operator Name:	SandRidge Energy
Well Name and Number:	Jellison A 3319 9-5H 2L
Longitude:	-99.41448100
Latitude:	37.20989080
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	4,750
Total Base Water Volume (gal):	2,640,876
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	95.79657	None
Sand (Proppant)	Archer	Proppant	Silica Substrate	NA	100.00000	3.17668	None
Hydrochloric Acid (7.5%)	Archer	Acidizing	Hydrochloric Acid	7647-01-0	7.50000	0.06979	None
			Methyl Alcohol	67-56-1	80.00000	0.00106	None
			thiourea-formaldehyde copolymer	68527-49-1	15.00000	0.00020	None
AIC	Archer	Liquid Acid Iron Control	Acetic Acid	64-19-7	50.00000	0.00233	None
			Citric Acid	77-92-9	30.00000	0.00140	None
Chemflush	Archer	Enviro-Friendly Chemical Flush	Hydrotreated Petroleum Distillate	64742-47-8	99.00000	0.00273	None
			Alcohol Ethoxylate Surfactants	NA	10.00000	0.00028	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		0.04486	

		Aliphatic Hydrocarbon	64742-47-8		0.02243
		Anionic Polymer	N/A		0.02243
		Water	7732-18-5		0.01147
		Oxyalkylated Alcohol	68002-97-1		0.00374
		Polyol Ester	N/A		0.00374
		Acrylic Polymer	28205-96-1		0.00191
		Sodium Salt of Phosphate Ester	68131-72-6		0.00191
		Water	7732-18-5		0.00163
		Polyglycol Ester	N/A		0.00075
		Alcohol Ethoxylate Surfactants	N/A		0.00020
		n-olefins	N/A		0.00011
		Propargyl Alcohol	107-19-7		0.00008
		Tetrasodium Ethylenediaminetetraacetate	64-02-8		0.00007
		Buffer	N/A		
		Surfactant	N/A		
		ISOPROPANOL	67-63-0		
		METHANOL	67-56-1		
		TRADE SECRET	N/A		
		Water	7732-18-5		
		Acetic Acid	64-19-7		
		WATER	7732-18-5		
		Cinnamic Aldehyde	104-55-2		

* 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)

Jellison A 3319 9-5H 2L

Perforations

Lateral #2

P-sleeve	9,857'
Sleeve 2	9,714'
Sleeve 3	9,619'
Sleeve 4	9,523'
Sleeve 5	9,428'
Sleeve 6	9,330'
Sleeve 7	9,240'
Sleeve 8	9,102'
Sleeve 9	8,963'
Sleeve 10	8,778'
Sleeve 11	8,683'

Sleeve 12	8,548'
Sleeve 13	8,408'
Sleeve 14	8,265'
Sleeve 15	8,131'
Sleeve 16	7,991'
Sleeve 17	7,853'
Sleeve 18	7,718'
Sleeve 19	7,579'
Sleeve 20	7,441'
Sleeve 21	7,346'
Sleeve 22	7,207'
Sleeve 23	7,115'
Sleeve 24	6,976'

Sleeve 25	6,881'
Sleeve 26	6,745'
Sleeve 27	6,615'
Sleeve 28	6,471'
Sleeve 29	6,333'



Weatherford

Company: **SandRidge Energy**
Field: **Bird South**
County: **Commanche**
Well Name: **Jellison 3319 9-5H L2**
Rig: **Patterson / UTI #56**

Job Number: **10199859**
Magnetic Decl: **5.40**
Grid Corr: **-0.56**
Total Survey Corr: **5.96**
Date Printed: **2-Dec-14**

Proposed Azimuth: **179.26**
Target Inclination: **90.40**
MD **9952.85**

PBHL TARGET
TVD **5121.00**
VS **5577.15**
N/S **5573.07 S**
E/W **353.62 E**

Bit Projection			Depth (ft) 9967														
No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Quadrant	Course Lgth(ft)	TVD (ft)	VS (ft)	Coordinates		Closure		Total Dogleg (°/100')	Bld Rate (°/100')	Turn (°/100')		
									N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)					
0	Surf.	0	0	0	N 0.00	E 0	0.00	0.00	0.00 N	0.00 W	0.00	360.00					
1	RIG	400	0.61	354.43	N 5.57	W 400	399.99	-2.12	2.12 N	0.21 W	2.13	354.43	0.15	0.15	-1.39		
2	RIG	781	0.68	354.43	N 5.57	W 381	780.97	-6.40	6.39 N	0.62 W	6.42	354.43	0.02	0.02	0.00		
3	MWD	851	0.36	354.43	N 5.57	W 70	850.97	-7.03	7.02 N	0.68 W	7.05	354.43	0.46	-0.46	0.00		
4	MWD	883	0.45	26.25	N 26.25	E 32	882.96	-7.24	7.23 N	0.64 W	7.26	354.95	0.74	0.28	99.44		
5	MWD	978	0.44	37.83	N 37.83	E 95	977.96	-7.86	7.86 N	0.25 W	7.86	358.18	0.10	-0.01	12.19		
6	MWD	1074	0.43	27.27	N 27.27	E 96	1073.96	-8.46	8.47 N	0.14 E	8.47	0.95	0.08	-0.01	-11.00		
7	MWD	1170	0.41	113.44	S 66.56	E 96	1169.96	-8.64	8.65 N	0.62 E	8.67	4.11	0.60	-0.02	89.76		
8	MWD	1265	1.63	179.85	S 0.15	E 95	1264.94	-7.15	7.16 N	0.94 E	7.23	7.45	1.59	1.28	69.91		
9	MWD	1360	2.94	179.80	S 0.20	E 95	1359.86	-3.36	3.38 N	0.95 E	3.51	15.69	1.38	1.38	-0.05		
10	MWD	1455	4.78	184.57	S 4.57	W 95	1454.65	3.01	3.01 S	0.64 E	3.07	167.95	1.96	1.94	5.02		
11	MWD	1551	7.02	183.37	S 3.37	W 96	1550.13	12.85	12.85 S	0.02 W	12.85	180.10	2.34	2.33	-1.25		
12	MWD	1646	8.91	183.11	S 3.11	W 95	1644.21	25.98	25.99 S	0.76 W	26.00	181.68	1.99	1.99	-0.27		
13	MWD	1740	9.08	183.65	S 3.65	W 94	1737.05	40.64	40.66 S	1.63 W	40.70	182.29	0.20	0.18	0.57		
14	MWD	1835	9.20	183.71	S 3.71	W 95	1830.85	55.69	55.72 S	2.60 W	55.78	182.67	0.13	0.13	0.06		
15	MWD	1929	8.31	178.42	S 1.58	E 94	1923.75	69.97	70.01 S	2.90 W	70.07	182.37	1.28	-0.95	-5.63		
16	MWD	2024	7.98	179.79	S 0.21	E 95	2017.79	83.43	83.47 S	2.68 W	83.51	181.84	0.40	-0.35	1.44		
17	MWD	2119	8.04	183.67	S 3.67	W 95	2111.87	96.65	96.69 S	3.08 W	96.74	181.83	0.57	0.06	4.08		
18	MWD	2215	6.57	170.59	S 9.41	E 96	2207.09	108.77	108.81 S	2.62 W	108.84	181.38	2.30	-1.53	-13.63		
19	MWD	2310	5.97	171.99	S 8.01	E 95	2301.52	119.04	119.07 S	1.04 W	119.07	180.50	0.65	-0.63	1.47		
20	MWD	2405	7.03	182.74	S 2.74	W 95	2395.92	129.75	129.77 S	0.63 W	129.77	180.28	1.69	1.12	11.32		
21	MWD	2500	6.92	183.58	S 3.58	W 95	2490.21	141.26	141.29 S	1.26 W	141.29	180.51	0.16	-0.12	0.88		
22	MWD	2595	8.04	179.71	S 0.29	E 95	2584.40	153.61	153.64 S	1.59 W	153.65	180.59	1.29	1.18	-4.07		
23	MWD	2690	7.83	179.91	S 0.09	E 95	2678.49	166.72	166.76 S	1.54 W	166.76	180.53	0.22	-0.22	0.21		
24	MWD	2785	7.24	180.80	S 0.80	W 95	2772.67	179.18	179.21 S	1.62 W	179.22	180.52	0.63	-0.62	0.94		
25	MWD	2881	8.00	179.49	S 0.51	E 96	2867.82	191.90	191.94 S	1.64 W	191.95	180.49	0.81	0.79	-1.36		
26	MWD	2976	7.69	179.88	S 0.12	E 95	2961.94	204.87	204.91 S	1.57 W	204.91	180.44	0.33	-0.33	0.41		
27	MWD	3071	7.36	179.31	S 0.69	E 95	3056.12	217.31	217.35 S	1.48 W	217.35	180.39	0.36	-0.35	-0.60		
28	MWD	3166	7.24	179.33	S 0.67	E 95	3150.35	229.38	229.42 S	1.34 W	229.42	180.33	0.13	-0.13	0.02		
29	MWD	3262	6.96	179.86	S 0.14	E 96	3245.61	241.25	241.28 S	1.26 W	241.29	180.30	0.30	-0.29	0.55		
30	MWD	3357	7.43	176.95	S 3.05	E 95	3339.86	253.14	253.17 S	0.91 W	253.18	180.21	0.63	0.49	-3.06		
31	MWD	3452	6.74	175.92	S 4.08	E 95	3434.14	264.84	264.87 S	0.19 W	264.87	180.04	0.74	-0.73	-1.08		
32	MWD	3547	8.07	177.05	S 2.95	E 95	3528.34	277.07	277.09 S	0.55 E	277.09	179.89	1.41	1.40	1.19		
33	MWD	3642	8.27	176.48	S 3.52	E 95	3622.38	290.56	290.57 S	1.31 E	290.57	179.74	0.23	0.21	-0.60		
34	MWD	3738	7.43	178.53	S 1.47	E 96	3717.48	303.66	303.66 S	1.89 E	303.67	179.64	0.92	-0.88	2.14		



Weatherford

Company: **SandRidge Energy**
Field: **Bird South**
County: **Commanche**
Well Name: **Jellison 3319 9-5H L2**
Rig: **Patterson / UTI #56**

Job Number: **10199859**
Magnetic Decl: **5.40**
Grid Corr: **-0.56**
Total Survey Corr: **5.96**
Date Printed: **2-Dec-14**

Proposed Azimuth: **179.26**
Target Inclination: **90.40**
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Bit Projection			Depth (ft) 9967													
No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Quadrant	Course Lgth(ft)	TVD (ft)	VS (ft)	Coordinates		Closure		Total Dogleg (°/100')	Bld Rate (°/100')	Turn (°/100')	
									N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)				
35	MWD	3833	6.55	178.73	S	1.27 E	95	3811.77	315.22	315.22 S	2.17 E	315.23	179.61	0.93	-0.93	0.21
36	MWD	3928	6.05	177.67	S	2.33 E	95	3906.20	325.65	325.64 S	2.50 E	325.65	179.56	0.54	-0.53	-1.12
37	MWD	4024	6.41	182.17	S	2.17 W	96	4001.63	336.06	336.05 S	2.50 E	336.06	179.57	0.63	0.38	4.69
38	MWD	4118	7.40	181.71	S	1.71 W	94	4094.95	347.34	347.35 S	2.12 E	347.35	179.65	1.05	1.05	-0.49
39	MWD	4214	8.72	182.45	S	2.45 W	96	4190.00	360.79	360.80 S	1.62 E	360.80	179.74	1.38	1.38	0.77
40	MWD	4276	8.41	182.65	S	2.65 W	62	4251.31	370.01	370.02 S	1.21 E	370.02	179.81	0.50	-0.50	0.32
41	MWD	4308	9.73	182.36	S	2.36 W	32	4282.90	375.04	375.06 S	0.99 E	375.06	179.85	4.13	4.13	-0.91
42	MWD	4340	11.92	182.52	S	2.52 W	32	4314.33	381.04	381.06 S	0.74 E	381.07	179.89	6.84	6.84	0.50
43	MWD	4372	14.28	182.47	S	2.47 W	32	4345.50	388.28	388.31 S	0.42 E	388.31	179.94	7.38	7.38	-0.16
44	MWD	4403	16.31	182.37	S	2.37 W	31	4375.40	396.45	396.48 S	0.08 E	396.48	179.99	6.55	6.55	-0.32
45	MWD	4435	19.11	182.33	S	2.33 W	32	4405.88	406.17	406.20 S	0.32 W	406.21	180.05	8.75	8.75	-0.12
46	MWD	4467	21.67	181.86	S	1.86 W	32	4435.87	417.30	417.35 S	0.73 W	417.35	180.10	8.02	8.00	-1.47
47	MWD	4499	24.29	181.75	S	1.75 W	32	4465.33	429.78	429.83 S	1.12 W	429.83	180.15	8.19	8.19	-0.34
48	MWD	4531	26.70	181.72	S	1.72 W	32	4494.21	443.54	443.60 S	1.54 W	443.60	180.20	7.53	7.53	-0.09
49	MWD	4562	28.49	182.06	S	2.06 W	31	4521.68	457.89	457.95 S	2.01 W	457.95	180.25	5.80	5.77	1.10
50	MWD	4594	30.43	180.73	S	0.73 W	32	4549.55	473.61	473.68 S	2.39 W	473.69	180.29	6.40	6.06	-4.16
51	MWD	4626	31.85	180.31	S	0.31 W	32	4576.93	490.15	490.23 S	2.54 W	490.23	180.30	4.49	4.44	-1.31
52	MWD	4657	34.26	181.44	S	1.44 W	31	4602.91	507.05	507.13 S	2.80 W	507.14	180.32	8.02	7.77	3.65
53	MWD	4689	36.43	180.40	S	0.40 W	32	4629.02	525.56	525.64 S	3.09 W	525.65	180.34	7.04	6.78	-3.25
54	MWD	4721	38.71	180.48	S	0.48 W	32	4654.38	545.06	545.15 S	3.24 W	545.16	180.34	7.13	7.13	0.25
55	MWD	4752	40.14	179.69	S	0.31 E	31	4678.32	564.75	564.84 S	3.27 W	564.85	180.33	4.89	4.61	-2.55
56	MWD	4784	41.56	179.89	S	0.11 E	32	4702.53	585.68	585.77 S	3.20 W	585.78	180.31	4.46	4.44	0.62
57	MWD	4816	43.33	179.18	S	0.82 E	32	4726.14	607.27	607.36 S	3.02 W	607.37	180.28	5.73	5.53	-2.22
58	MWD	4847	44.66	178.41	S	1.59 E	31	4748.44	628.80	628.89 S	2.56 W	628.89	180.23	4.62	4.29	-2.48
59	MWD	4878	45.72	177.88	S	2.12 E	31	4770.29	650.79	650.87 S	1.85 W	650.87	180.16	3.63	3.42	-1.71
60	MWD	4910	46.97	176.99	S	3.01 E	32	4792.38	673.93	674.00 S	0.81 W	674.00	180.07	4.39	3.91	-2.78



Weatherford

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Field: **Bird South**
County: **Commanche**
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E/W **353.62 E**

Bit Projection			Depth (ft) 9967													
No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Quadrant	Course Lgth(ft)	TVD (ft)	VS (ft)	Coordinates		Closure		Total Dogleg (°/100')	Bld Rate (°/100')	Turn (°/100')	
									N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)				
61	MWD	4942	47.37	176.14	S	3.86 E	32	4814.13	697.37	697.42 S	0.59 E	697.42	179.95	2.31	1.25	-2.66
62	MWD	4974	48.86	175.03	S	4.97 E	32	4835.50	721.14	721.17 S	2.43 E	721.18	179.81	5.32	4.66	-3.47
63	MWD	5006	50.55	174.39	S	5.61 E	32	4856.19	745.47	745.48 S	4.68 E	745.49	179.64	5.50	5.28	-2.00
64	MWD	5038	52.95	174.50	S	5.50 E	32	4876.00	770.51	770.49 S	7.11 E	770.52	179.47	7.50	7.50	0.34
65	MWD	5069	55.59	175.14	S	4.86 E	31	4894.10	795.60	795.55 S	9.38 E	795.60	179.32	8.68	8.52	2.06
66	MWD	5101	58.44	175.47	S	4.53 E	32	4911.52	822.38	822.29 S	11.58 E	822.38	179.19	8.95	8.91	1.03
67	MWD	5132	58.66	175.35	S	4.65 E	31	4927.70	848.76	848.66 S	13.70 E	848.77	179.08	0.78	0.71	-0.39
68	MWD	5164	58.76	175.26	S	4.74 E	32	4944.32	876.04	875.91 S	15.93 E	876.05	178.96	0.39	0.31	-0.28
69	MWD	5196	58.98	174.75	S	5.25 E	32	4960.86	903.36	903.20 S	18.32 E	903.38	178.84	1.53	0.69	-1.59
70	MWD	5227	58.50	174.83	S	5.17 E	31	4976.95	929.78	929.59 S	20.73 E	929.82	178.72	1.56	-1.55	0.26
71	MWD	5259	58.50	174.50	S	5.50 E	32	4993.67	956.97	956.75 S	23.26 E	957.04	178.61	0.88	0.00	-1.03
72	MWD	5291	58.12	174.59	S	5.41 E	32	5010.48	984.11	983.86 S	25.85 E	984.20	178.49	1.21	-1.19	0.28
73	MWD	5323	59.98	175.74	S	4.26 E	32	5026.93	1011.48	1011.20 S	28.16 E	1011.60	178.40	6.58	5.81	3.59
74	MWD	5355	62.58	177.68	S	2.32 E	32	5042.31	1039.51	1039.22 S	29.77 E	1039.64	178.36	9.71	8.13	6.06
75	MWD	5386	63.65	179.58	S	0.42 E	31	5056.33	1067.16	1066.86 S	30.42 E	1067.29	178.37	6.46	3.45	6.13
76	MWD	5418	65.26	181.24	S	1.24 W	32	5070.13	1096.02	1095.72 S	30.22 E	1096.14	178.42	6.87	5.03	5.19
77	MWD	5450	67.01	182.07	S	2.07 W	32	5083.08	1125.26	1124.98 S	29.37 E	1125.36	178.50	5.96	5.47	2.59
78	MWD	5482	67.33	182.63	S	2.63 W	32	5095.49	1154.71	1154.44 S	28.16 E	1154.79	178.60	1.90	1.00	1.75
79	MWD	5671	69.93	179.03	S	0.97 E	189	5164.37	1330.60	1330.38 S	25.66 E	1330.63	178.90	2.24	1.38	-1.90
80	MWD	5702	69.41	177.39	S	2.61 E	31	5175.15	1359.66	1359.43 S	26.57 E	1359.69	178.88	5.24	-1.68	-5.29
81	MWD	5733	71.04	175.71	S	4.29 E	31	5185.63	1388.80	1388.55 S	28.32 E	1388.84	178.83	7.32	5.26	-5.42
82	MWD	5764	73.1	172.58	S	7.42 E	31	5195.18	1418.17	1417.88 S	31.34 E	1418.23	178.73	11.68	6.65	-10.10
83	MWD	5796	75.64	170.34	S	9.66 E	32	5203.80	1448.70	1448.35 S	35.92 E	1448.80	178.58	10.41	7.94	-7.00
84	MWD	5827	78.82	168.36	S	11.64 E	31	5210.65	1478.47	1478.06 S	41.51 E	1478.64	178.39	12.00	10.26	-6.39
85	MWD	5857	82.28	167.30	S	12.70 E	30	5215.58	1507.47	1506.98 S	47.74 E	1507.74	178.19	12.05	11.53	-3.53
86	MWD	5888	86.01	165.87	S	14.13 E	31	5218.74	1537.55	1536.97 S	54.90 E	1537.95	177.95	12.88	12.03	-4.61
87	MWD	5919	89.09	164.27	S	15.73 E	31	5220.07	1567.58	1566.89 S	62.88 E	1568.16	177.70	11.19	9.94	-5.16
88	MWD	6014	93.7	160.84	S	19.16 E	95	5217.75	1658.50	1657.46 S	91.33 E	1659.98	176.85	6.05	4.85	-3.61
89	MWD	6109	97.22	160.02	S	19.98 E	95	5208.71	1748.00	1746.55 S	123.00 E	1750.88	175.97	3.80	3.71	-0.86
90	MWD	6204	97.21	160.21	S	19.79 E	95	5196.78	1837.03	1835.18 S	155.06 E	1841.72	175.17	0.20	-0.01	0.20



Weatherford

Company: **SandRidge Energy**
Field: **Bird South**
County: **Commanche**
Well Name: **Jellison 3319 9-5H L2**
Rig: **Patterson / UTI #56**

Job Number: **10199859**
Magnetic Decl: **5.40**
Grid Corr: **-0.56**
Total Survey Corr: **5.96**
Date Printed: **2-Dec-14**

Proposed Azimuth: **179.26**
Target Inclination: **90.40**
MD **9952.85**

PBHL TARGET
TVD **5121.00**
VS **5577.15**
N/S **5573.07 S**
E/W **353.62 E**

Bit Projection			Depth (ft) 9967													
No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Quadrant	Course Lgth(ft)	TVD (ft)	VS (ft)	Coordinates		Closure		Total Dogleg (°/100')	Bld Rate (°/100')	Turn (°/100')	
									N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)				
91	MWD	6299	96.65	159.77	S 20.23	E 95	5185.32	1926.05	1923.79 S	187.33 E	1932.89	174.44	0.75	-0.59	-0.46	
92	MWD	6394	96.09	160.06	S 19.94	E 95	5174.78	2015.13	2012.46 S	219.75 E	2024.43	173.77	0.66	-0.59	0.31	
93	MWD	6488	95.61	163.20	S 16.80	E 94	5165.20	2104.24	2101.20 S	249.22 E	2115.93	173.24	3.36	-0.51	3.34	
94	MWD	6583	95.53	168.46	S 11.54	E 95	5155.97	2196.18	2192.84 S	272.36 E	2209.69	172.92	5.51	-0.08	5.54	
95	MWD	6678	94.13	172.71	S 7.29	E 95	5147.97	2289.73	2286.20 S	287.83 E	2304.25	172.82	4.69	-1.47	4.47	
96	MWD	6773	91.4	174.86	S 5.14	E 95	5143.38	2384.17	2380.52 S	298.10 E	2399.11	172.86	3.66	-2.87	2.26	
97	MWD	6868	90.35	177.02	S 2.98	E 95	5141.93	2479.00	2475.27 S	304.83 E	2493.96	172.98	2.53	-1.11	2.27	
98	MWD	6963	89.02	179.03	S 0.97	E 95	5142.46	2573.97	2570.20 S	308.10 E	2588.60	173.16	2.54	-1.40	2.12	
99	MWD	7058	89.51	177.08	S 2.92	E 95	5143.67	2668.93	2665.13 S	311.33 E	2683.26	173.34	2.12	0.52	-2.05	
100	MWD	7153	91.47	178.99	S 1.01	E 95	5142.86	2763.90	2760.06 S	314.58 E	2777.93	173.50	2.88	2.06	2.01	
101	MWD	7247	90.28	177.52	S 2.48	E 94	5141.43	2857.87	2854.01 S	317.45 E	2871.61	173.65	2.01	-1.27	-1.56	
102	MWD	7342	89.65	176.29	S 3.71	E 95	5141.48	2952.79	2948.87 S	322.57 E	2966.46	173.76	1.45	-0.66	-1.29	
103	MWD	7437	90.28	176.73	S 3.27	E 95	5141.54	3047.68	3043.69 S	328.36 E	3061.35	173.84	0.81	0.66	0.46	
104	MWD	7532	91.82	179.13	S 0.87	E 95	5139.80	3142.62	3138.60 S	331.79 E	3156.09	173.97	3.00	1.62	2.53	
105	MWD	7627	92.73	180.79	S 0.79	W 95	5136.03	3237.54	3233.52 S	331.85 E	3250.51	174.14	1.99	0.96	1.75	
106	MWD	7722	92.52	180.89	S 0.89	W 95	5131.68	3332.40	3328.41 S	330.46 E	3344.78	174.33	0.24	-0.22	0.11	
107	MWD	7817	91.89	181.45	S 1.45	W 95	5128.02	3427.28	3423.32 S	328.53 E	3439.05	174.52	0.89	-0.66	0.59	
108	MWD	7912	92.30	180.97	S 0.97	W 95	5124.55	3522.16	3518.24 S	326.52 E	3533.35	174.70	0.66	0.43	-0.51	
109	MWD	8006	91.40	180.61	S 0.61	W 94	5121.52	3616.08	3612.18 S	325.23 E	3626.79	174.86	1.03	-0.96	-0.38	
110	MWD	8038	90.84	181.05	S 1.05	W 32	5120.89	3648.06	3644.17 S	324.76 E	3658.61	174.91	2.23	-1.75	1.37	
111	MWD	8070	90.98	180.74	S 0.74	W 32	5120.38	3680.04	3676.16 S	324.26 E	3690.43	174.96	1.06	0.44	-0.97	
112	MWD	8101	89.44	179.67	S 0.33	E 31	5120.27	3711.03	3707.16 S	324.15 E	3721.30	175.00	6.05	-4.97	-3.45	
113	MWD	8133	89.30	179.92	S 0.08	E 32	5120.62	3743.03	3739.15 S	324.27 E	3753.19	175.04	0.90	-0.44	0.78	
114	MWD	8165	89.30	179.59	S 0.41	E 32	5121.01	3775.03	3771.15 S	324.40 E	3785.08	175.08	1.03	0.00	-1.03	
115	MWD	8196	89.09	179.09	S 0.91	E 31	5121.45	3806.02	3802.15 S	324.76 E	3815.99	175.12	1.75	-0.68	-1.61	
116	MWD	8228	88.67	179.08	S 0.92	E 32	5122.07	3838.02	3834.14 S	325.27 E	3847.91	175.15	1.31	-1.31	-0.03	
117	MWD	8260	88.60	178.90	S 1.10	E 32	5122.84	3870.01	3866.12 S	325.83 E	3879.83	175.18	0.60	-0.22	-0.56	
118	MWD	8291	88.95	179.06	S 0.94	E 31	5123.50	3901.00	3897.11 S	326.39 E	3910.75	175.21	1.24	1.13	0.52	
119	MWD	8386	90.84	178.84	S 1.16	E 95	5123.67	3995.99	3992.09 S	328.13 E	4005.55	175.30	2.00	1.99	-0.23	
120	MWD	8481	90.28	178.82	S 1.18	E 95	5122.74	4090.99	4087.06 S	330.07 E	4100.37	175.38	0.59	-0.59	-0.02	



Weatherford

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PBHL TARGET
TVD **5121.00**
VS **5577.15**
N/S **5573.07 S**
E/W **353.62 E**

Bit Projection			Depth (ft) 9967													
No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Quadrant	Course Lgth(ft)	TVD (ft)	VS (ft)	Coordinates		Closure		Total Dogleg (°/100')	Bld Rate (°/100')	Turn (°/100')	
									N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)				
121	MWD	8576	89.86	179.56	S	0.44 E	95	5122.63	4185.99	4182.05 S	331.41 E	4195.17	175.47	0.90	-0.44	0.78
122	MWD	8671	88.88	178.23	S	1.77 E	95	5123.67	4280.97	4277.03 S	333.24 E	4289.99	175.54	1.74	-1.03	-1.40
123	MWD	8766	88.74	177.62	S	2.38 E	95	5125.65	4375.93	4371.94 S	336.68 E	4384.89	175.60	0.66	-0.15	-0.64
124	MWD	8861	90.00	177.42	S	2.58 E	95	5126.69	4470.88	4466.85 S	340.79 E	4479.83	175.64	1.34	1.33	-0.21
125	MWD	8956	90.21	177.63	S	2.37 E	95	5126.52	4565.83	4561.76 S	344.89 E	4574.78	175.68	0.31	0.22	0.22
126	MWD	9051	89.86	176.98	S	3.02 E	95	5126.46	4660.78	4656.65 S	349.36 E	4669.74	175.71	0.78	-0.37	-0.68
127	MWD	9146	90.21	176.20	S	3.80 E	95	5126.40	4755.67	4751.48 S	355.01 E	4764.73	175.73	0.90	0.37	-0.82
128	MWD	9241	89.93	178.76	S	1.24 E	95	5126.28	4850.62	4846.38 S	359.19 E	4859.68	175.76	2.71	-0.29	2.69
129	MWD	9336	91.05	178.45	S	1.55 E	95	5125.47	4945.61	4941.35 S	361.50 E	4954.56	175.82	1.22	1.18	-0.33
130	MWD	9431	92.31	180.50	S	0.50 W	95	5122.69	5040.56	5036.30 S	362.37 E	5049.32	175.88	2.53	1.33	2.16
131	MWD	9526	90.14	181.44	S	1.44 W	95	5120.66	5135.49	5131.26 S	360.76 E	5143.92	175.98	2.49	-2.28	0.99
132	MWD	9621	90.28	179.90	S	0.10 E	95	5120.31	5230.46	5226.25 S	359.65 E	5238.61	176.06	1.63	0.15	-1.62
133	MWD	9716	88.25	179.28	S	0.72 E	95	5121.53	5325.44	5321.23 S	360.33 E	5333.42	176.13	2.23	-2.14	-0.65
134	MWD	9810	89.72	179.65	S	0.35 E	94	5123.19	5419.42	5415.21 S	361.21 E	5427.24	176.18	1.61	1.56	0.39
135	MWD	9907	89.44	179.01	S	0.99 E	97	5123.90	5516.42	5512.20 S	362.34 E	5524.10	176.24	0.72	-0.29	-0.66
	PTB	9967	89.44	179.01	S	0.99 E	60	5124.49	5576.42	5572.19 S	363.38 E	5584.02	176.27	0.00	0.00	0.00

JELLISON A 3319 9-5H *

JELLISON A 3319 10-5H

* NIELSON-UPTON 1-32

Section 32
32S 19W

LEO 3219 4-32H

* * CACTUS 3219 6-32H

----- Miss Entry: 5083'
-99.414743 37.206771

JELLISON 4-5 *

FISH 3319 11-5H *

FISH 3319A 11-5H *

JELLISON A 3319 8-5H

JELLISON A 3319 11-5

* JELLISON A 3319 14-5 -----

Top Perf: 6333'
-99.413986 37.203722

JELLISON A 3319 13-5 *

JELLISON A 3319 12-5

* JELLISON A 3319 5-5

JELLISON 1-5 *

JELLISON 3-5 *

Comanche County

Section 5
33S 19W

JELLISON A 3319 1-5 *

BAYNE 4-5 *

BAYNE 2-5 *

JELLISON A 3319 6-5 *

JELLISON A 3319 7-5 *

Bottom Perf: 9857'

-99.412949 37.194248

BAYNE 1-5 *

BAYNE 3319 5-5 *

BHL: 9952.85'

-99.412922 37.193822

BAYNE 3-5 *

1368' FWL

405' FSL



Actual Bottom-Hole Location of Jellison A 3319 9-5H 2L
T&R: 33S 19W
Section: 5, 1368' FWL & 405' FSL
-99.412922 37.193822

1 in = 667 ft

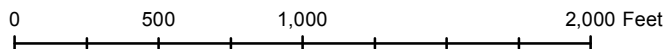


● Actual BH Location

* SandRidge Wells

--- Perf

□ Sections



Draftsman:

Dory Deines

Draft Date: 12/2/2014

Drawing Name/Number:

Addendum_Jellison A 3319 9-5H 2L.mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502