



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1233148
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: _____

1233148

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:	10/18/2014
Job End Date:	10/21/2014
State:	Kansas
County:	Comanche
API Number:	15-033-21769-01-00
Operator Name:	SandRidge Energy
Well Name and Number:	Jellison A 3319 9-5H, Lat 1
Longitude:	-99.41448100
Latitude:	37.20890800
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	4,795
Total Base Water Volume (gal):	1,924,524
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	93.84017	None
Sand (Proppant)	Archer	Proppant					
			Silica Substrate	NA	100.00000	5.13826	None
Hydrochloric Acid (15%)	Archer	Acidizing					
			Hydrochloric Acid	7647-01-0	15.00000	0.13316	None
			NONYL PHENOL, 4 MOL	104-40-5	10.00000	0.00402	None
			Methyl Alcohol	67-56-1	80.00000	0.00107	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	0.00239	None
			Citric Acid	77-92-9	30.00000	0.00143	None
Chemflush	Archer	Enviro-Friendly Chemical Flush					
			Hydrotreated Petroleum Distillate	64742-47-8	99.00000	0.00073	None
			Alcohol Ethoxylate Surfactants	NA	10.00000	0.00007	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		0.04617
		WATER	7732-18-5		0.02414
		Anionic Polymer	N/A		0.02309
		Aliphatic Hydrocarbon	64742-47-8		0.02309
		TRADE SECRET	N/A		0.01609
		Water	7732-18-5		0.00882
		METHANOL	67-56-1		0.00402
		ISOPROPANOL	67-63-0		0.00402
		Oxyalkylated Alcohol	68002-97-1		0.00385
		Polyol Ester	N/A		0.00385
		Water	7732-18-5		0.00167
		Acrylic Polymer	28205-96-1		0.00147
		Sodium Salt of Phosphate Ester	68131-72-6		0.00147
		Polyglycol Ester	N/A		0.00077
		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		0.00008
		Water	7732-18-5		
		Buffer	N/A		
		Acetic Acid	64-19-7		
		Surfactant	N/A		
		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%

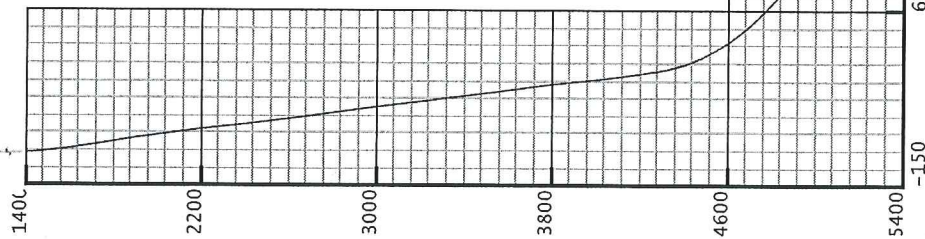
Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

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



Weatherford
 Jellison 3319 9-5H
 Patterson 56
 Comanche County, KS
 X= 1733669.1394'
 Y= 198745.5567'
 Plan 9 vs Actual

KB: 1310'
 GL: 1292'



Plan Data for Jellison 3319 9-5H L1

Plan Point Information:
 Dogleg Severity Unit: /100.00ft
 Position offsets from Site centre

MD (USft)	Inc (°)	Az (°)	TVD (USft)	+N/-S (USft)	+E/-W (USft)	VSec (USft)	DLS (DLSU)	Toolface (°)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
6585.00	90.84	195.74	5158.82	-2223.27	-197.64	2220.55	0.87	201.3
6646.00	90.84	195.74	5157.93	-2281.97	-214.19	2279.03	0.00	0.0
6776.49	92.00	192.00	5154.70	-2408.59	-245.45	2405.24	3.00	287.3
6872.99	92.00	192.00	5151.33	-2502.93	-265.50	2499.31	0.00	0.0
7504.07	90.40	179.48	5138.06	-3129.44	-328.44	3124.96	2.00	262.9
9947.35	90.40	179.48	5121.00	-3572.56	-306.14	3568.16	0.00	0.0

Target Set Information:
 Name: Jellison 3319 9-5H T1
 PBHL 5121.00 193173.00 1733363.00 37°11'36.9" -99°24'55.2"

Plan Data for Jellison 3319 9-5H L1

Field: SandRidge Energy - Comanche County, KS S NAD 27 US FT
 Map Unit: USft
 Projected Coordinate System: NAD27 / Kansas South

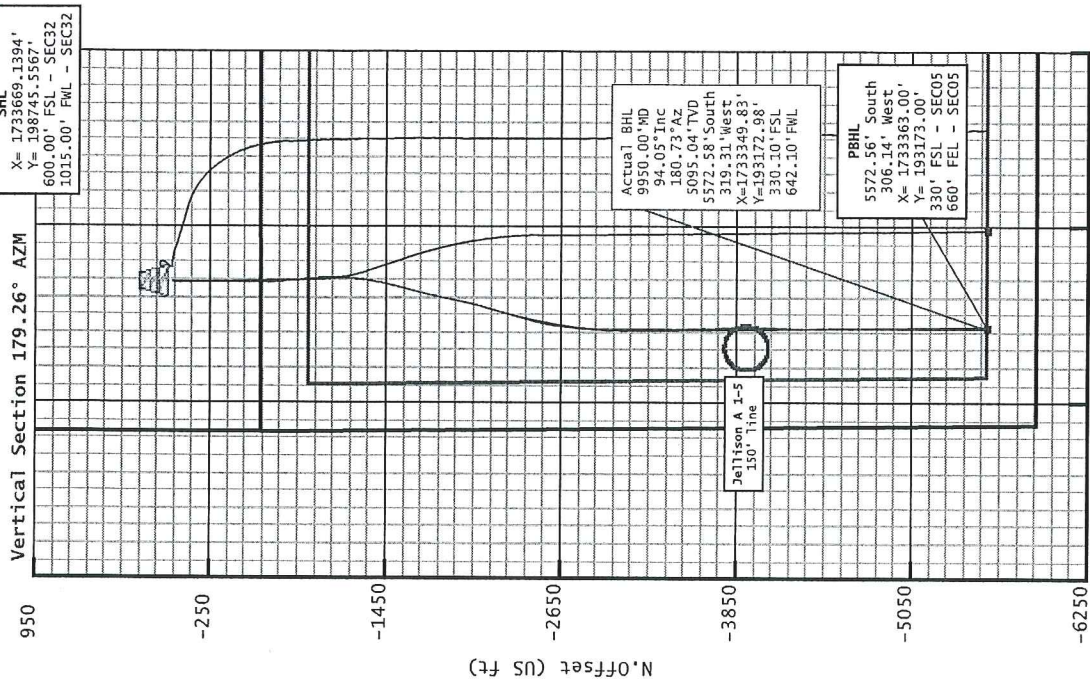
Well: Jellison 3319 9-5H L1
 Type: Main-Well
 File Number:
 Plan Folder: P1
 Vertical Section: Position offset of origin from Site centre:
 +N/-S: 0.00USft
 +E/-W: 0.00USft

Magnetic Parameters:
 Model: Field Strength: 5.40°
 BCGM: 51540(NT)
 Dip: 65.16°
 Date: 2014-08-04

Planned By: Lando Hiler Date: 08/27/2014
 Weatherford Drilling Services
 6525 N. Meridian Ste. #201
 Oklahoma City, OK 73116
 +1.405.773.1100 Main
 +1.405.773.1887 Fax

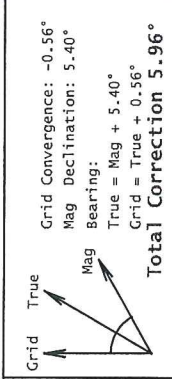
Proj To TD
 9930.00 MD
 94.05° Inc
 180.73° Az
 5095.04° TVD
 5572.58° South
 319.31° West

SHL
 X= 1733669.1394'
 Y= 198745.5567'
 600.00' FSL - SEC32
 1015.00' FWL - SEC32



Actual BHL
 9950.00 MD
 94.05° Inc
 180.73° Az
 5095.04° TVD
 5572.58° South
 319.31° West
 X=1733349.83'
 Y=193172.98'
 330.10' FSL
 642.10' FWL

PBHL
 5572.56' South
 306.14' West
 X= 1733363.00'
 Y= 193173.00'
 330' FSL - SEC05
 660' FEL - SEC03



VS (US ft) (Bearing: 179.26° Scale: 800USft/in)

E. Offset (US ft) (Scale: 1200USft/in)

Jellison 3319 9-5H L1

Company Name : SandRidge Energy

Map Units : US ft

Vertical Reference Datum (VRD) : Mean Sea Level

Projected Coordinate System : NAD27 / Kansas South

Comment :

Units : US ft North Reference : Grid Convergence Angle : -0.56

Latitude : 37° 12' 32.07"

Longitude : -99° 24' 52.13"

Position

Northing : 198745.56 US ft

Easting : 1733669.14 US ft

Site TVD Reference : GL

Elevation above Mean Sea Level: 1884.00 US ft

Comment :

Position (Offsets relative to Site Centre)

Latitude : 37° 12' 32.07"

Longitude : -99° 24' 52.13"

+N / -S : 0.00 US ft

+E / -W : 0.00 US ft

Slot TVD Reference : Ground Elevation

Elevation above Mean Sea Level : 1884.00 US ft

Comment :

Type : Main well

Rig Height Drill Floor : 24.00 US ft

Relative to Mean Sea Level: 1908.00 US ft

Closure Distance : 581.72 US ft

Vertical Section (Position of Origin Relative to Site)

+N / -S : 0.00 US ft

+E / -W : 0.00 US ft

Az : 179.61°

UWI :

Comment :

Closure Azimuth : 183.279°

Target Set

Name : Jellison 3319 9-5H T1 Number of Targets : 1

Comment :

TargetName:

PBHL

Shape:

Cuboid

Position (Relative to Site centre)

+N / -S : -5572.56US ft Latitude : 37°11'36.94"
 +E / -W : -306.14 US ft Easting : 1733363.00US ft

TVD (Drill Floor) : 5121.00 US ft

SS : -3213.00 US ft

Orientation Azimuth : 0.00°

Inclination : 0.00°

Dimensions Length : 20.00 US ft

Breadth : 20.00 US ft

Height : 20.00 US ft

Survey Name : Definitive Survey

Date : 04/Aug/2014

Survey Tool :

Comment :

Company :

Magnetic Model

Model Name: BGGM Date: 04/Mar/2014

Field Strength: 51595.7 nT Declination: 5.44°

Dip: 65.18°

Survey Tool Ranges

Name	Start MD (us ft)	End MD (us ft)	Source Survey
Inc Only 3deg_WFTR	0.00	781.00	Rig Svy
MWD	781.00	9950.00	WFT MWD Svy

Well path created using minimum curvature

MD (US ft)	Inc (°)	centre, TVD relative to Drill Floor (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Comment
0.00	0.00		0.00	0.00	0.00	0.00	-0.00	0.00	2
400.00	0.61		354.43	399.99	2.12	-0.21	-2.12	0.15	First SRE Rig Svy
781.00	0.68		354.43	780.97	6.39	-0.62	-6.39	0.02	Last SRE Rig Svy
851.00	0.36		354.43	850.97	7.02	-0.68	-7.02	0.46	First WFT/MWD Svy
883.00	0.45		26.25	882.96	7.23	-0.64	-7.24	0.74	
978.00	0.44		37.83	977.96	7.86	-0.25	-7.86	0.10	
1074.00	0.43		27.27	1073.96	8.47	0.14	-8.47	0.08	
1170.00	0.41		113.44	1169.96	8.65	0.62	-8.65	0.60	
1265.00	1.63		179.85	1264.94	7.16	0.94	-7.16	1.59	
1360.00	2.94		179.80	1359.86	3.38	0.95	-3.37	1.38	
1455.00	4.78		184.57	1454.65	-3.01	0.64	3.01	1.96	
1551.00	7.02		183.37	1550.13	-12.85	-0.02	12.85	2.34	

5D Survey Report

Survey Points (Relative to Site centre, TVD relative to Drill Floor)									
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	DLS (°/100 US ft)	Comment
1646.00	8.91	183.11	1644.21	-25.99	-0.76	25.99	1.99		
1740.00	9.08	183.65	1737.05	-40.66	-1.63	40.65	0.20		
1835.00	9.20	183.71	1830.85	-55.72	-2.60	55.70	0.13		
1929.00	8.31	178.42	1923.75	-70.01	-2.90	69.99	1.28		
2024.00	7.98	179.79	2017.79	-83.47	-2.68	83.45	0.40		
2119.00	8.04	183.67	2111.87	-96.69	-3.08	96.67	0.57		
2215.00	6.57	170.59	2207.09	-108.81	-2.62	108.79	2.30		
2310.00	5.97	171.99	2301.52	-119.07	-1.04	119.06	0.65		
2405.00	7.03	182.74	2395.92	-129.77	-0.63	129.76	1.69		
2500.00	6.92	183.58	2490.21	-141.29	-1.26	141.27	0.16		
2595.00	8.04	179.71	2584.40	-153.64	-1.59	153.63	1.29		
2690.00	7.83	179.91	2678.49	-166.76	-1.54	166.74	0.22		
2785.00	7.24	180.80	2772.67	-179.21	-1.62	179.20	0.63		
2881.00	8.00	179.49	2867.83	-191.94	-1.64	191.93	0.81		
2976.00	7.69	179.88	2961.94	-204.91	-1.57	204.89	0.33		
3071.00	7.36	179.31	3056.12	-217.35	-1.48	217.33	0.36		
3166.00	7.24	179.33	3150.35	-229.42	-1.34	229.40	0.13		
3262.00	6.96	179.86	3245.61	-241.28	-1.26	241.27	0.30		
3357.00	7.43	176.95	3339.86	-253.17	-0.91	253.16	0.63		
3452.00	6.74	175.92	3434.14	-264.87	-0.19	264.86	0.74		
3547.00	8.07	177.05	3528.34	-277.09	0.55	277.09	1.41		
3642.00	8.27	176.48	3622.38	-290.57	1.31	290.57	0.23		
3738.00	7.43	178.53	3717.48	-303.66	1.89	303.67	0.92		
3833.00	6.55	178.73	3811.77	-315.22	2.17	315.23	0.93		
3928.00	6.05	177.67	3906.20	-325.64	2.50	325.65	0.54		
4024.00	6.41	182.17	4001.63	-336.05	2.50	336.06	0.63		
4118.00	7.40	181.71	4094.95	-347.35	2.12	347.35	1.05		
4214.00	8.72	182.45	4190.00	-360.80	1.62	360.80	1.38		
4276.00	8.41	182.65	4251.31	-370.02	1.21	370.02	0.50		
4308.00	9.73	182.36	4282.91	-375.06	0.99	375.06	4.13		
4340.00	11.92	182.52	4314.33	-381.06	0.74	381.06	6.84		
4372.00	14.28	182.47	4345.50	-388.31	0.42	388.30	7.38		
4403.00	16.31	182.37	4375.40	-396.48	0.08	396.47	6.55		
4435.00	19.11	182.33	4405.88	-406.20	-0.32	406.19	8.75		
4467.00	21.67	181.86	4435.87	-417.35	-0.73	417.33	8.02		
4499.00	24.29	181.75	4465.33	-429.83	-1.12	429.81	8.19		
4531.00	26.70	181.72	4494.21	-443.60	-1.54	443.58	7.53		
4562.00	28.49	182.06	4521.68	-457.95	-2.01	457.93	5.80		
4594.00	30.43	180.73	4549.55	-473.68	-2.39	473.65	6.40		
4626.00	31.85	180.31	4576.93	-490.23	-2.54	490.20	4.49		
4657.00	34.26	181.44	4602.92	-507.13	-2.80	507.10	8.02		

5D Survey Report

Survey Points (Relative to Site centre, TVD relative to Drill Floor)									
MD (US ft)	Inc (°)	az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	DLS (°/100 US ft)	Comment
4689.00	36.43	180.40	4629.02	-525.64	-3.09	525.61	7.04	7.04	
4721.00	38.71	180.48	4654.38	-545.15	-3.24	545.12	7.13	7.13	
4752.00	40.14	179.69	4678.32	-564.84	-3.27	564.80	4.89	4.89	
4784.00	41.56	179.89	4702.53	-585.77	-3.20	585.73	4.46	4.46	
4816.00	43.33	179.18	4726.14	-607.36	-3.02	607.33	5.73	5.73	
4847.00	44.66	178.41	4748.44	-628.89	-2.56	628.86	4.62	4.62	
4878.00	45.72	177.88	4770.29	-650.87	-1.85	650.84	3.63	3.63	
4910.00	46.97	176.99	4792.38	-674.00	-0.81	673.98	4.39	4.39	
4942.00	47.37	176.14	4814.13	-697.42	0.59	697.41	2.31	2.31	
4974.00	48.86	175.03	4835.50	-721.17	2.43	721.17	5.32	5.32	
5006.00	50.55	174.39	4856.19	-745.48	4.68	745.49	5.50	5.50	
5038.00	52.95	174.50	4876.00	-770.49	7.11	770.52	7.50	7.50	
5069.00	55.59	175.14	4894.10	-795.55	9.38	795.59	8.68	8.68	
5101.00	58.44	175.47	4911.52	-822.30	11.58	822.35	8.95	8.95	
5132.00	58.66	175.35	4927.70	-848.66	13.70	848.73	0.78	0.78	
5164.00	58.76	175.26	4944.32	-875.91	15.93	876.00	0.39	0.39	
5196.00	58.98	174.75	4960.86	-903.20	18.32	903.30	1.53	1.53	
5227.00	58.50	174.83	4976.95	-929.59	20.73	929.71	1.56	1.56	
5259.00	58.12	174.59	4993.67	-956.75	23.26	956.89	0.88	0.88	
5291.00	59.98	175.74	5010.48	-983.86	25.85	984.01	1.21	1.21	
5323.00	62.58	177.68	5026.93	-1011.20	28.16	1011.37	6.58	6.58	
5355.00	63.65	179.58	5042.31	-1039.22	29.77	1039.40	9.71	9.71	
5386.00	65.26	181.24	5056.33	-1066.86	30.42	1067.04	6.46	6.46	
5418.00	67.01	182.07	5070.13	-1095.72	30.22	1095.91	6.87	6.87	
5450.00	67.33	182.63	5083.08	-1124.98	29.37	1125.15	5.96	5.96	
5482.00	68.09	182.99	5095.49	-1154.44	28.16	1154.61	1.90	1.90	
5513.00	70.90	183.94	5107.25	-1183.09	26.75	1183.25	2.68	2.68	
5544.00	73.91	185.64	5118.11	-1212.07	25.00	1212.21	9.51	9.51	
5576.00	76.23	187.00	5127.78	-1242.46	22.45	1242.59	10.68	10.68	
5607.00	77.01	187.08	5135.77	-1272.23	19.15	1272.33	8.60	8.60	
5619.00	90.07	191.77	5138.54	-1283.82	17.72	1283.91	6.53	6.53	
5763.00	91.54	193.34	5154.72	-1424.61	-5.73	1424.54	9.63	9.63	
5794.00	90.84	193.54	5154.28	-1454.87	-12.47	1454.75	6.94	6.94	
5825.00	88.18	194.07	5153.64	-1485.01	-19.67	1484.84	2.35	2.35	
5857.00	87.41	194.29	5153.91	-1516.08	-27.31	1515.86	8.48	8.48	
5888.00	86.85	194.03	5155.11	-1546.12	-34.90	1545.84	2.58	2.58	
5920.00	86.64	193.88	5156.71	-1577.11	-42.72	1576.78	1.93	1.93	
5951.00	87.06	193.70	5158.47	-1607.14	-50.18	1606.76	0.83	0.83	
5983.00	86.92	194.27	5160.23	-1638.17	-57.80	1637.74	1.43	1.43	
6015.00	87.27	194.26	5161.91	-1669.18	-65.52	1668.70	1.83	1.83	
6046.00			5163.48	-1699.19	-73.15	1698.65	1.13	1.13	

5D Survey Report

Survey Points (Relative to Site centre, TVD relative to Drill Floor)									
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Comment	
6078.00	87.90	193.77	5164.83	-1730.21	-80.89	1729.62	2.49		
6110.00	88.18	193.65	5165.92	-1761.28	-88.47	1760.63	0.95		
6141.00	90.21	192.30	5166.36	-1791.48	-95.43	1790.79	7.86		
6173.00	90.14	192.33	5166.26	-1822.74	-102.25	1822.00	0.24		
6205.00	90.84	192.21	5165.99	-1854.01	-109.05	1853.23	2.22		
6237.00	91.05	191.58	5165.46	-1885.32	-115.65	1884.49	2.07		
6268.00	91.12	191.41	5164.87	-1915.69	-121.83	1914.82	0.59		
6300.00	91.12	192.12	5164.25	-1947.01	-128.35	1946.09	2.22		
6332.00	91.26	192.29	5163.58	-1978.28	-135.11	1977.32	0.69		
6363.00	90.91	191.74	5162.99	-2008.60	-141.56	2007.59	2.10		
6395.00	90.56	191.79	5162.58	-2039.92	-148.09	2038.87	1.10		
6426.00	90.70	193.96	5162.24	-2070.14	-155.00	2069.04	7.01		
6458.00	91.33	195.15	5161.68	-2101.11	-163.04	2099.95	4.21		
6490.00	91.61	196.04	5160.86	-2131.92	-171.64	2130.70	2.91		
6585.00	90.84	195.74	5158.82	-2223.27	-197.64	2221.87	0.87		
6680.00	92.24	195.87	5156.27	-2314.64	-223.50	2313.07	1.48		
6775.00	92.24	195.58	5152.56	-2406.02	-249.23	2404.26	0.31		
6870.00	91.12	192.98	5149.77	-2498.03	-272.65	2496.12	2.98		
6965.00	89.93	189.26	5148.90	-2591.23	-290.97	2589.19	4.11		
7060.00	89.37	186.55	5149.48	-2685.31	-304.03	2683.18	2.91		
7155.00	91.12	184.80	5149.08	-2779.84	-313.43	2777.64	2.61		
7250.00	92.24	181.63	5146.29	-2874.63	-318.75	2872.40	3.54		
7345.00	91.05	181.09	5143.56	-2969.57	-321.01	2967.31	1.38		
7440.00	93.22	180.07	5140.02	-3064.49	-321.97	3062.23	2.52		
7535.00	93.36	180.26	5134.57	-3159.33	-322.24	3157.06	0.25		
7630.00	92.59	180.38	5129.64	-3254.20	-322.77	3251.93	0.82		
7725.00	90.84	179.64	5126.80	-3349.15	-322.79	3346.88	2.00		
7818.00	89.44	178.48	5126.57	-3442.14	-321.26	3439.87	1.95		
7912.00	89.79	178.58	5127.20	-3536.10	-318.85	3533.85	0.39		
8008.00	90.84	178.20	5126.67	-3632.06	-316.15	3629.83	1.16		
8103.00	90.77	177.96	5125.34	-3727.00	-312.97	3724.78	0.26		
8134.00	91.05	177.64	5124.85	-3757.97	-311.78	3755.76	1.37		
8166.00	90.98	178.80	5124.28	-3789.95	-310.79	3787.75	3.63		
8198.00	90.49	179.74	5123.87	-3821.95	-310.38	3819.75	3.31		
8229.00	90.07	180.19	5123.72	-3852.95	-310.36	3850.74	1.99		
8261.00	89.86	179.98	5123.74	-3884.95	-310.41	3882.74	0.93		
8293.00	89.72	180.16	5123.86	-3916.95	-310.45	3914.74	0.71		
8324.00	89.86	179.94	5123.97	-3947.95	-310.47	3945.74	0.84		
8356.00	89.72	180.30	5124.09	-3979.95	-310.54	3977.74	1.21		
8388.00	89.93	180.53	5124.18	-4011.94	-310.77	4009.74	0.97		
8419.00	90.00	180.85	5124.20	-4042.94	-311.14	4040.73	1.06		

5D Survey Report

Survey Points (Relative to Site centre, TVD relative to Drill Floor)									
MD (US ft)	Inc (°)	ψz (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	DLS (°/100 US ft)	Comment
8451.00	89.93	180.96	5124.22	-4074.94	-311.65	4072.72	0.41		
8483.00	89.86	181.06	5124.28	-4106.93	-312.21	4104.71	0.38		
8578.00	89.79	181.25	5124.57	-4201.91	-314.13	4199.68	0.21		
8672.00	89.65	181.46	5125.03	-4295.89	-316.35	4293.63	0.27		
8767.00	89.72	179.61	5125.55	-4390.88	-317.24	4388.62	1.95		
8862.00	90.70	179.95	5125.21	-4485.87	-316.87	4483.61	1.09		
8958.00	91.82	180.15	5123.09	-4581.85	-316.96	4579.59	1.19		
9052.00	88.74	180.34	5122.63	-4675.84	-317.36	4673.57	3.28		
9147.00	88.60	180.24	5124.84	-4770.81	-317.84	4768.53	0.18		
9243.00	88.74	180.49	5127.07	-4866.78	-318.45	4864.50	0.30		
9338.00	89.16	180.11	5128.81	-4961.76	-318.95	4959.48	0.60		
9433.00	90.98	179.56	5128.69	-5056.76	-318.76	5054.47	1.97		
9528.00	93.14	179.53	5125.28	-5151.69	-318.09	5149.40	2.28		
9623.00	95.39	180.11	5118.21	-5246.42	-317.79	5244.13	2.45		
9718.00	93.99	179.99	5110.45	-5341.10	-317.87	5338.81	1.48		
9813.00	93.43	180.13	5104.30	-5435.90	-317.97	5433.61	0.61		
9890.00	94.05	180.73	5099.28	-5512.73	-318.55	5510.44	1.12		Last WFT/MWD Svy
9950.00	94.05	180.73	5095.04	-5572.58	-319.31	5570.28	0.00		Proj to TD

JOB SUMMARY

COUNTY Comanche State Kansas COMPANY Bridge Exploration & Produc LEASE NAME Jellison A 3319 Well No. 9-5H JOB TYPE Surface	PROJECT NUMBER SOK 4064 CUSTOMER REP 0	TICKET DATE 08/16/14 EMPLOYEE NAME marcos quintana
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EMP NAME	Marcos Quintana	Jacob J				
	Wallace Berry					
	David Settlemier					
	rj S					

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 90 Pressure _____

Retainer Depth _____ Total Depth 800

Date	Called Out	On Location	Job Started	Job Completed
	8/15/2014	8/15/2014	8/16/2014	8/16/2014
Time	0730	1500	0950	1100

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

Well Data							
New/Used	Weight	Size	Grade	From	To	Max. Allow	
Casing	36#	9"		Surface	800	1,500	
Liner							
Liner							
Tubing		0					
Drill Pipe							
Open Hole			12 1/4"	Surface	800	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
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
8/15	21.0	8/16	1.0	Surface
Total	21.0	Total	1.0	

Pressures		
MAX	1,500 PSI	AVG. 100
Average Rates in BPM		
MAX	6 BPM	AVG 4
Cement Left in Pipe		
Feet	46	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	195	EX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .4% C-41P	11.11	2.01	12.40
2	195	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 side to use if necessary	*6.32	*1.32	*14.8

Summary					
Preflush Breakdown	Type: _____	MAXIMUM _____	1,500 PSI	Preflush: BBI _____	10.00
	Lost Returns-N _____	Actual TOC _____	NO/FULL	Load & Bkdn: Gal - BBI _____	N/A
Average	Bump Plug PSI: _____	5 Min. _____	600	Excess /Return BBI _____	57
SIP	10 Min _____	15 Min _____		Calc. TOC: _____	SURFACE
				Final Circ. PSI: _____	100
				Cement Slurry: BBI _____	117.0
				Total Volume BBI _____	184.00

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

Jellison A 3319 9-5H 1L

Perforations

9,880'	-	9,882'
9,824'	-	9,826'
9,754'	-	9,756'
9,652'	-	9,654'
9,602'	-	9,604'
9,526'	-	9,528'
9,462'	-	9,464'
9,376'		9,378'
9,290'	-	9,292'
9,208'	-	9,210'
9,096'	-	9,098'
9,050'	-	9,052'
8,986'	-	8,988'
8,910'	-	8,912'
8,866'	-	8,868'
8,744'	-	8,746'
8,666'	-	8,668'
8,600'	-	8,602'
8,536'	-	8,538'
8,472'	-	8,474'
8,396'	-	8,398'
8,328'	-	8,330'
8,268'	-	8,270'
8,218'		8,220'

8,160'	-	8,162'
7,986'	-	7,988'
7,902'	-	7,904'
7,804'	-	7,806'
7,726'	-	7,728'
7,670'	-	7,672'
7,574'	-	7,576'
7,520'	-	7,522'
7,470'	-	7,472'
7,410'	-	7,412'
7,336'	-	7,338'
7,250'	-	7,252'
7,200'	-	7,202'
7,150'	-	7,152'
7,094'	-	7,096'
6,960'	-	6,962'
6,824'	-	6,826'
6,734'	-	6,736'
6,680'	-	6,682'
6,642'	-	6,644'
6,584'	-	6,586'
6,446'	-	6,448'
6,362'	-	6,364'
6,332'	-	6,334'
6,274'	-	6,276'
6,230'	-	6,232'

6,034'	-	6,036'
5,964'	-	5,966'
5,904'	-	5,906'
5,812'	-	5,814'
5,732'	-	5,734'