



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1114658
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: _____



1114658

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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

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

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

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

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

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

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

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

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

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

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

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Jennifer 3408 4-34H
Doc ID	1114658

All Electric Logs Run

Boresight
Density
Induction
Mud Log

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Jennifer 3408 4-34H
Doc ID	1114658

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8697-9029	5183 bbls water, 36 bbls acid, 100M lbs sd, 5023 TLTR	
5	8286-8617	5176 bbls water, 36 bbls acid, 100M lbs sd, 10431 TLTR	
5	7892-8194	5170 bbls water, 36 bbls acid, 100M lbs sd, 15787 TLTR	
5	7468-7793	5164 bbls water, 36 bbls acid, 100M lbs sd, 21340 TLTR	
5	7023-7360	5157 bbls water, 36 bbls acid, 100M lbs sd, 26929 TLTR	
5	6650-6940	5151 bbls water, 36 bbls acid, 100M lbs sd, 32525 TLTR	
5	6252-6557	5145 bbls water, 36 bbls acid, 100M lbs sd, 37818 TLTR	
5	5860-6154	5139 bbls water, 36 bbls acid, 100M lbs sd, 43339 TLTR	
5	5398-5733	4831 bbls water, 36 bbls acid, 100M lbs sd, 48639 TLTR	
5	4989-5282	5125 bbls water, 36 bbls acid, 100M lbs sd, 54274 TLTR	

Form	ACO1 - Well Completion
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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	24	20	75	102	Mid Continent Conductor grout	10	none
Surface	12.25	9.63	36	780	O-Tex Lite Premium Plus 65/ Premium Plux (Class C)	470	(6% gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate	8.75	7	26	5252	O-Tex 50/50 POZ Premium/ Premium	270	4% gel, .4% C-12, .1% C-37, .5% C-41P, 2 lb/sk Phenoseal
Liner	6.12	4.5	11.6	9136	O-Tex 50/50 Premium Poz	460	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



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

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

February 11, 2013

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

Re: ACO1
API 15-077-21902-01-00
Jennifer 3408 4-34H
SE/4 Sec.34-34S-08W
Harper 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



Standard Wellpath Report
Sandridge
Sec 34 - 34S - 8W, Kansas
Harper County
Wellbore: Jennifer 3408 4-34H (Actual)

Wellbore

Name	Created	Last Revised
Jennifer 3408 4-34H (Actual)	28-Jan-2013	11-Feb-2013

Well

Name	Government ID	Last Revised
Jennifer 3408 4-34H		28-Jan-2013

Slot

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Jennifer 3408 4-34H	134962.0000	2097365.0000	N37 2 12.6231	W98 9 59.2539	218.99N	670.97W

Installation

Name	Easting	Northing	Coord System Name	North Alignment
Harper County	2098036.0000	134743.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Field

Name	Easting	Northing	Coord System Name	North Alignment
Sec 34 - 34S - 8W	2098036.0000	134743.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Created By

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Comments

FINAL Surveys MD 9141 is a projection to bit @ TD
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Standard Wellpath Report
Sandridge
Sec 34 - 34S - 8W, Kansas
Harper County
Wellbore: Jennifer 3408 4-34H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
0.00	0.00	0.000	0.00	0.00N	0.00E		0.00	2097365.00	134962.00
840.00	1.80	128.200	839.86	8.16S	10.37E	0.21	-8.63	2097375.37	134953.84
871.00	1.90	127.400	870.85	8.77S	11.16E	0.33	-9.28	2097376.16	134953.23
1333.00	1.90	138.700	1332.59	19.18S	22.30E	0.08	-20.18	2097387.30	134942.82
1807.00	0.90	36.100	1806.50	22.07S	29.68E	0.48	-23.41	2097394.68	134939.93
2377.00	0.80	353.500	2376.44	14.50S	31.87E	0.11	-15.95	2097396.87	134947.50
2853.00	0.60	28.900	2852.40	9.02S	32.69E	0.10	-10.51	2097397.70	134952.98
3329.00	1.20	341.200	3328.35	2.12S	32.29E	0.19	-3.60	2097397.29	134959.88
3805.00	0.40	258.100	3804.31	2.26N	29.06E	0.26	0.92	2097394.06	134964.26
3838.00	0.80	289.000	3837.31	2.31N	28.73E	1.52	0.99	2097393.73	134964.31
3869.00	2.30	305.600	3868.30	2.74N	28.02E	5.00	1.45	2097393.02	134964.74
3901.00	4.50	318.300	3900.24	4.05N	26.66E	7.23	2.82	2097391.66	134966.05
3933.00	6.40	325.200	3932.09	6.45N	24.81E	6.27	5.31	2097389.81	134968.45
3965.00	8.40	325.600	3963.82	9.85N	22.47E	6.25	8.81	2097387.47	134971.85
3997.00	10.80	323.200	3995.37	14.18N	19.35E	7.60	13.27	2097384.35	134976.18
4029.00	12.80	323.200	4026.70	19.42N	15.43E	6.25	18.69	2097380.43	134981.42
4061.00	14.40	323.800	4057.80	25.47N	10.96E	5.02	24.94	2097375.96	134987.47
4092.00	16.30	325.200	4087.69	32.15N	6.20E	6.24	31.83	2097371.20	134994.15
4124.00	18.00	326.700	4118.27	39.97N	0.92E	5.49	39.89	2097365.92	135001.97
4156.00	19.60	330.900	4148.56	48.79N	4.40W	6.55	48.94	2097360.60	135010.80
4187.00	20.40	339.200	4177.70	58.39N	8.85W	9.51	58.73	2097356.15	135020.39
4219.00	21.80	347.800	4207.56	69.41N	12.09W	10.61	69.90	2097352.91	135031.42
4251.00	24.00	354.700	4237.04	81.71N	13.95W	10.84	82.26	2097351.05	135043.71
4283.00	26.60	358.200	4265.97	95.35N	14.77W	9.37	95.93	2097350.23	135057.35
4314.00	28.70	359.700	4293.43	109.73N	15.03W	7.14	110.31	2097349.97	135071.74
4346.00	31.10	0.900	4321.17	125.68N	14.94W	7.73	126.23	2097350.06	135087.69
4379.00	33.70	1.600	4349.03	143.36N	14.55W	7.96	143.87	2097350.45	135105.36
4410.00	35.70	0.700	4374.51	161.00N	14.20W	6.66	161.48	2097350.80	135123.01
4442.00	37.70	0.700	4400.17	180.12N	13.97W	6.25	180.57	2097351.03	135142.13
4473.00	39.90	0.900	4424.33	199.54N	13.69W	7.11	199.96	2097351.31	135161.55
4505.00	42.10	1.300	4448.47	220.53N	13.29W	6.92	220.91	2097351.71	135182.54
4537.00	44.80	1.200	4471.70	242.53N	12.81W	8.44	242.86	2097352.19	135204.54
4569.00	46.90	0.100	4493.99	265.49N	12.55W	7.01	265.79	2097352.45	135227.50
4601.00	49.00	359.100	4515.42	289.25N	12.72W	6.96	289.53	2097352.28	135251.26
4664.00	51.40	359.200	4555.75	337.64N	13.44W	3.81	337.90	2097351.56	135299.66
4759.00	50.50	358.100	4615.60	411.40N	15.17W	1.31	411.66	2097349.83	135373.42
4855.00	49.20	357.400	4677.50	484.71N	18.05W	1.46	485.03	2097346.95	135446.74
4887.00	51.40	358.000	4697.94	509.31N	19.04W	7.02	509.65	2097345.96	135471.34
4918.00	53.40	359.400	4716.85	533.87N	19.59W	7.38	534.20	2097345.41	135495.89
4950.00	54.40	360.000	4735.71	559.72N	19.72W	3.47	560.04	2097345.28	135521.75
4982.00	57.50	359.500	4753.62	586.23N	19.84W	9.77	586.52	2097345.16	135548.26
5014.00	61.20	359.300	4769.93	613.75N	20.13W	11.57	614.03	2097344.87	135575.79
5046.00	64.40	359.400	4784.56	642.21N	20.35W	10.00	642.47	2097344.55	135604.24
5078.00	68.70	359.200	4797.29	671.56N	20.81W	13.45	671.81	2097344.19	135633.59
5110.00	72.80	358.800	4807.84	701.76N	21.34W	12.87	702.00	2097343.66	135663.79
5141.00	76.90	358.900	4815.94	731.67N	21.94W	13.23	731.90	2097343.06	135693.71
5172.00	81.50	358.900	4821.74	762.11N	22.53W	14.84	762.34	2097342.47	135724.14
5204.00	85.70	358.100	4825.31	793.89N	23.36W	13.36	794.12	2097341.64	135755.93
5223.00	87.20	358.100	4826.49	812.84N	23.99W	7.89	813.08	2097341.01	135774.88
5356.00	91.20	358.000	4828.34	945.72N	28.51W	3.01	946.03	2097336.49	135907.77
5448.00	92.20	0.300	4825.61	1037.67N	29.88W	2.73	1037.94	2097335.12	135999.72
5540.00	93.40	359.200	4821.12	1129.55N	30.28W	1.77	1129.75	2097334.72	136091.61
5631.00	91.80	356.500	4816.99	1220.38N	33.69W	3.45	1220.64	2097331.31	136182.44
5722.00	92.60	357.200	4813.50	1311.18N	38.68W	1.17	1311.57	2097326.31	136273.24
5816.00	92.90	357.900	4808.99	1404.98N	42.70W	0.81	1405.46	2097322.30	136367.05
5907.00	92.30	357.000	4804.86	1495.80N	46.74W	1.19	1496.37	2097318.25	136457.87
6000.00	91.30	355.900	4801.94	1588.57N	52.50W	1.60	1589.30	2097312.50	136550.65
6093.00	92.00	356.100	4799.26	1681.30N	58.98W	0.78	1682.24	2097306.01	136643.39
6187.00	92.70	356.400	4795.40	1775.02N	65.13W	0.81	1776.14	2097299.87	136737.11
6282.00	92.30	356.000	4791.26	1869.72N	71.42W	0.60	1871.03	2097293.58	136831.82
6377.00	91.70	354.700	4787.95	1964.35N	79.11W	1.51	1965.91	2097285.88	136926.45
6472.00	90.40	355.200	4786.20	2058.96N	87.47W	1.47	2060.81	2097277.52	137021.07
6567.00	90.90	354.700	4785.13	2153.59N	95.84W	0.74	2155.72	2097269.16	137115.70
6662.00	90.90	355.700	4783.63	2248.24N	103.78W	1.05	2250.64	2097261.21	137210.36
6756.00	90.80	356.600	4782.24	2342.02N	110.09W	0.96	2344.60	2097254.90	137304.14
6851.00	91.30	356.500	4780.50	2436.83N	115.81W	0.54	2439.58	2097249.18	137398.96
6973.00	91.70	357.000	4777.31	2558.59N	122.72W	0.52	2561.53	2097242.27	137520.72
7068.00	92.20	357.700	4774.07	2653.43N	127.11W	0.91	2656.47	2097237.88	137615.57
7163.00	91.50	358.200	4771.01	2748.32N	130.51W	0.91	2751.42	2097234.48	137710.46
7258.00	91.20	358.100	4768.77	2843.25N	133.58W	0.33	2846.38	2097231.42	137805.39

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Jennifer 3408 4-34H 0.00ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 357.370 degrees
Bottom hole distance is 4728.27 Feet on azimuth 357.39 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 11-Feb-2013



Standard Wellpath Report
 Sandridge
 Sec 34 - 34S - 8W, Kansas
 Harper County
 Wellbore: Jennifer 3408 4-34H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
7352.00	90.30	357.200	4767.54	2937.16N	137.43W	1.35	2940.37	2097227.56	137899.31
7448.00	90.80	357.500	4766.62	3033.05N	141.87W	0.61	3036.37	2097223.12	137995.21
7542.00	92.20	357.800	4764.16	3126.94N	145.72W	1.52	3130.33	2097219.27	138089.10
7636.00	90.70	358.100	4761.78	3220.84N	149.08W	1.63	3224.29	2097215.91	138183.01
7732.00	89.30	357.200	4761.78	3316.76N	153.02W	1.73	3320.29	2097211.97	138278.93
7827.00	89.10	356.200	4763.10	3411.59N	158.49W	1.07	3415.27	2097206.50	138373.77
7921.00	91.00	356.100	4763.02	3505.38N	164.80W	2.02	3509.25	2097200.19	138467.55
8016.00	92.60	355.600	4760.04	3600.08N	171.67W	1.76	3604.16	2097193.32	138562.26
8112.00	94.10	357.000	4754.43	3695.71N	177.86W	2.14	3699.98	2097187.14	138657.90
8209.00	93.30	357.900	4748.17	3792.41N	182.16W	1.24	3796.77	2097182.83	138754.60
8303.00	91.90	358.700	4743.90	3886.27N	184.95W	1.71	3890.66	2097180.04	138848.46
8398.00	92.10	359.600	4740.59	3981.20N	186.36W	0.97	3985.55	2097178.64	138943.40
8494.00	92.50	359.000	4736.74	4077.11N	187.53W	0.75	4081.42	2097177.46	139039.32
8589.00	91.70	357.600	4733.25	4172.00N	190.34W	1.70	4176.34	2097174.65	139134.22
8684.00	91.00	357.500	4731.02	4266.89N	194.40W	0.74	4271.32	2097170.59	139229.11
8780.00	89.70	357.300	4730.43	4362.79N	198.76W	1.37	4367.31	2097166.23	139325.01
8874.00	90.20	357.700	4730.51	4456.70N	202.86W	0.68	4461.31	2097162.13	139418.92
8970.00	90.70	357.600	4729.76	4552.61N	206.79W	0.53	4557.31	2097158.19	139514.85
9065.00	91.20	356.900	4728.18	4647.49N	211.35W	0.91	4652.29	2097153.64	139609.73
9094.00	91.30	357.000	4727.55	4676.44N	212.89W	0.49	4681.28	2097152.09	139638.68
9141.00	91.30	357.000	4726.48	4723.36N	215.35W	==>	4728.27	2097149.64	139685.61

All data is in Feet unless otherwise stated
 Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Jennifer 3408 4-34H 0.00ft above Mean Sea Level)
 Vertical Section is from 0.00N 0.00E on azimuth 357.370 degrees
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 Prepared by
 Date Printed: 11-Feb-2013



Standard Wellpath Report
Sandridge
Sec 34 - 34S - 8W, Kansas
Harper County
Wellbore: Jennifer 3408 4-34H (Actual)

Comments

MD[ft]	TVD[ft]	North[ft]	East[ft]	Comment
9141.00	4726.48	4723.36N	215.35W	MD 9141 is a projection to bit @ TD

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Jennifer 3408 4-34H 0.00ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 357.370 degrees
Bottom hole distance is 4728.27 Feet on azimuth 357.39 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 11-Feb-2013

Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date:	3/14/2013
State:	Kansas
County:	Harper
API Number:	15-077-21902
Operator Name:	SandRidge Expl. and Prod., LLC
Well Name and Number:	Jennifer 3408 4-34H
Longitude:	-98.1664
Latitude:	37.0368
Long/Lat Projection:	NAD27
Production Type:	Gas
True Vertical Depth (TVD):	4,726
Total Water Volume (gal)*:	2,205,586

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
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)*	-		94.57617%	
			Crystalline silica	14808-60-7	97.05466%	5.26408%	
			Hydrogen chloride	7647-01-0	2.02158%	0.10965%	
			Acrylamide sodium acrylate copolymer	25085-02-3	0.29592%	0.01605%	
			Distillates (petroleum), hydrotreated light	64742-47-8	0.25709%	0.01394%	
			Polyethylene glycol monoethyl ether	31726-34-8	0.10850%	0.00589%	
			Glutaraldehyde	111-30-8	0.06048%	0.00328%	
			Trisodium ortho phosphate	7601-54-9	0.02373%	0.00129%	
			Alkylalcohol, ethoxylate >C10	68002-97-1	0.01574%	0.00085%	
			Sodium erythorbate	6381-77-7	0.01563%	0.00085%	
			Sorbitan monooleate	1338-43-8	0.01259%	0.00068%	
			Alkyl(c12-16) dimethylbenzyl ammonium chloride	68424-85-1	0.01080%	0.00059%	
			Methanol	67-56-1	0.00884%	0.00048%	
			Thiocyanic acid, ammonium salt	1762-95-4	0.00777%	0.00042%	
			Poly(oxyethylene) sorbitol monostearate	9005-67-8	0.00735%	0.00040%	
			Ethane-1,2-diol	107-21-1	0.00675%	0.00037%	
			Fatty acids, tall-oil	61790-12-3	0.00605%	0.00033%	
			Thiourea, polymer with formaldehyde and 1-phenylethanone	68527-49-1	0.00498%	0.00027%	
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00476%	0.00026%	
			Alcohols, C14-15, ethoxylated (7EO)	68951-67-7	0.00232%	0.00013%	
			Prop-2-yn-1-ol	107-19-7	0.00154%	0.00008%	

			Ethanol	64-17-5	0.00130%	0.00007%	
			Alkenes, C>10 a-	64743-02-8	0.00103%	0.00006%	
			Propan-2-ol	67-63-0	0.00095%	0.00005%	
			Potassium hydroxide	1310-58-3	0.00022%	0.00001%	
			Tetrasodium ethylenediaminetetraacetate	64-02-8	0.00009%	0.00001%	

* 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%

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

Mid-Continent Conductor, LLC

Invoice

Date	Invoice #
1/15/2013	1656

P.O. Box 1570
Woodward, OK 73802
Phone: (580)254-5400
Fax: (580)254-3242

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
Parker	Net 45	1/15/2013	Jennifer 3408 4-34H, Harper Cnty, KS	Unit 9

Item	Quantity	Description
Conductor Hole	90	Drilled 90 ft. conductor hole
20" Pipe	90	Furnished 90 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
Fence Panels	4	Furnished and set fence panels around conductor holes
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
		AFE Number: _____
		Well Name: <u>JENNIFER 3408 4-34H</u>
		Code: <u>850, 010</u>
		Amount: <u>17,340.00</u>
		Co. Man: <u>J D Bias</u>
		Co. Man Sig.: <u>J D Bias</u>
		Notes: _____
		Subtotal \$17,340.00
		Sales Tax (0.0%) \$0.00
		Total \$17,340.00

JOB SUMMARY			PROJECT NUMBER SOK 2381	TICKET DATE 01/29/13
COUNTY Harper	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP 0	
LEASE NAME Jennifer 3408	Well No. 4-34H	JOB TYPE Surface	EMPLOYEE NAME billy taff	

EMP NAME					
Billy Taff		0			
John Hall					
Wallace Berry					
Kevin Johnson					

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 800

Date	Called Out	On Location	Job Started	Job Completed
	1/30/2013	1/30/2013	1/30/2013	1/30/2013
Time	9:00am	2:00pm	5:30pm	7:45pm

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		36#	9 5/8"		Surface		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	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.		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	
1/30	4.0	1/30	2.0	Surface
Total	4.0	Total	2.0	

Pressures			
MAX	1,500 PSI	AVG.	150
Average Rates in BPM			
MAX	6 BPM	AVG	5
Cement Left in Pipe			
Feet	47	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	310	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	0	Premium Plus (Class C)	*2% Calcium Chloride on side to use if necessary	*6.32	*1.32	*14.8

Summary						
Preflush	<u>10.00</u>	Type:	<u>Fresh Water</u>	Preflush:	BBI	<u>10.00</u>
Breakdown:		MAXIMUM	<u>1,500 PSI</u>	Load & Bkdn:	Gal - BBI	<u>N/A</u>
		Lost Returns-N	<u>NO/FULL</u>	Excess /Return	BBI	<u>28</u>
		Actual TOC	<u>SURFACE</u>	Calc. TOC:		<u>SURFACE</u>
Average		Bump Plug PSI:	<u>800</u>	Final Circ.	PSI:	<u>450</u>
"SIF" _____	5 Min.	10 Min	_____	Cement Slurry:	BBI	<u>139.0</u>
		15 Min	_____	Total Volume	BBI	<u>206.00</u>

CUSTOMER REPRESENTATIVE _____ *Quayne Burt* SIGNATURE

JOB SUMMARY

COUNTY Harper		State Kansas		COMPANY Sandridge Exploration & Production		PROJECT NUMBER SOK 2396	TICKET DATE 02/04/13
LEASE NAME Jennifer 3408				Well No. 4-34H		JOB TYPE Intermediate	
EMPLOYEE NAME Johnny Breeze				CUSTOMER REP Dewayne Burt			

EMP NAME	Johnny Breeze	0					
	Arthur Setzar						
	Flo Helkena						
	Dustin Odom						

Form. Name _____ Type: _____

Packer Type _____ Set At **3,852'**

Bottom Hole Temp. **155** Pressure _____

Retainer Depth _____ Total Depth **5,272'**

Date	Called Out	On Location	Job Started	Job Completed
	2/4/2013	2/4/2013	2/4/2013	2/6/2013
Time	1200	2100	2200	0000

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	
Casing		26#	7"		From Surface To 5,256 Max. Allow 6,000
Liner					
Liner					
Tubing			0		
Drill Pipe					
Open Hole			8 3/4"	Surface	5,272' Shots/Ft.
Perforations					
Perforations					
Perforations					

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	8.33	
Spacer type	Fresh Water BBL.	20	8.33
Spacer type	Caustic BBL.	10	8.40
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	
2/4	3.0	2/5	4.0	Intermediate
Total	3.0	Total	4.0	

Pressures			
MAX	5,000 PSI	AVG.	900
Average Rates in BPM			
MAX	8 BPM	AVG	6
Cement Left in Pipe			
Feet	90	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	170	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 Breakdown	Type: _____	MAXIMUM	5,000 PSI	Preflush: BBI	30.00
	Lost Returns-N	NO/FULL		Load & Bkdn: Gal - BBI	N/A
	Actual TOC	3.624		Excess /Return BBI	N/A
Average	Bump Plug PSI:	2,430		Calc. TOC:	3.624
ISIP	5 Min.	10 Min.	15 Min.	Final Circ. PSI:	1,900
				Cement Slurry: BBI	64.6
				Total Volume BBI	291.96
				Type: WEIGHTED SP.	
				Pad:Bbl -Gal	N/A
				Calc.Disp Bbl	197
				Actual Disp.	197.34
				Disp:Bbl	

CUSTOMER REPRESENTATIVE Dewayne Burt SIGNATURE

JOB SUMMARY

COUNTY Harper	State Kansas	COMPANY Bridge Exploration & Produc	PROJECT NUMBER SOK 2418	TICKET DATE 02/10/13
LEASE NAME Jennifer 3408	Well No. 4-34H	JOB TYPE Liner	CUSTOMER REP Dwayne Burt	
EMP NAME Johnny Breeze			EMPLOYEE NAME Johnny Breeze	

Johnny Breeze	0.00			
Dustin Odom				
Flo Helkena				
Marcos Quintana				

Form. Name _____ Type: _____

Packer Type _____ Set At **5,252**

Bottom Hole Temp. **150** Pressure _____

Retainer Depth _____ Total Depth **9141**

Date	Called Out	On Location	Job Started	Job Completed
	2/10/2013	2/10/2013	2/10/2013	2/10/2013
Time	0800	1300	2104	2330

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	

Casing	Well Data		From	To	Max. Allow
	New/Used	Weight			
Liner Tool		11.6	4 1/2	4842.16	9,151
HWDP				3,458	4,842
Drill Pipe			3 1/2"	surface	3,458
Drill Collars					
Open Hole			6 1/8"	Surface	9,141 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	resh Water	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		Operating Hours		Description of Job
Date	Hours	Date	Hours	
2/10	10.5	2/10	4.0	Liner
Total	10.5	Total	4.0	

MAX	3,500 PSI	Pressures	AVG.	800
MAX	6 BPM	Average Rates in BPM	AVG	5
Feet	92	Cement Left in Pipe	Reason	SHOE JOINT

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	460	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
3	0	0		0	0.00	0.00

Preflush Breakdown		Summary	
Type:	MAXIMUM	Preflush:	3,500 PSI
	NO/FULL	Load & Bkdn:	Gal - BBI
	4.697'	Excess /Return:	BBI
	1.600	Calc. TOC:	4,697'
	15 Min.	Final Circ.:	PSI:
		Cement Slurry:	BBI
		Total Volume:	BBI
			30.00
			N/A
			N/A
			8.59#SPACER
			N/A
			109
			109.15
			118.0
			267.12

CUSTOMER REPRESENTATIVE *Dwayne Burt* SIGNATURE

Section 27
34S 8W

Section 26
34S 8W

330' FNL

660' FEL

BHL: 9141'

-98.167482 37.049838

Bottom Perf: 8697'

-98.167416 37.048584

Harper County

Section 34
34S 8W

Section 35
34S 8W

Top Perf: 4989'

-98.166863 37.038474

Miss Entry: 4980'

-98.166863 37.038474

JENNIFER 3408 3-34H

JENNIFER 3408 2-34H

JENNIFER 3408 4-34H

STARKE 1-35H



Actual Bottom-Hole Location of Jennifer 3408 4-34H
Harper County, Kansas

T&R: 34S 8W

Section: 34, 660' FEL & 330' FNL

Long/Lat: -98.167482 37.049838

1 in = 668 ft



● Actual BH Location

* SandRidge Wells

--- Perf

□ Sections

0 500 1,000 2,000 Feet

Draftsman:

Aaron Birk

Draft Date: 5/8/2013

Drawing Name/Number:

Addendum_Jennifer_4-34H.mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502

Remarks

Tiffany Golay
04/22/013 10:10 am

Conductor weight= 106.5 lbs/ft

Tiffany Golay
02/11/013 09:02 am

TVD= 4,726