



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1170226
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: _____

1170226

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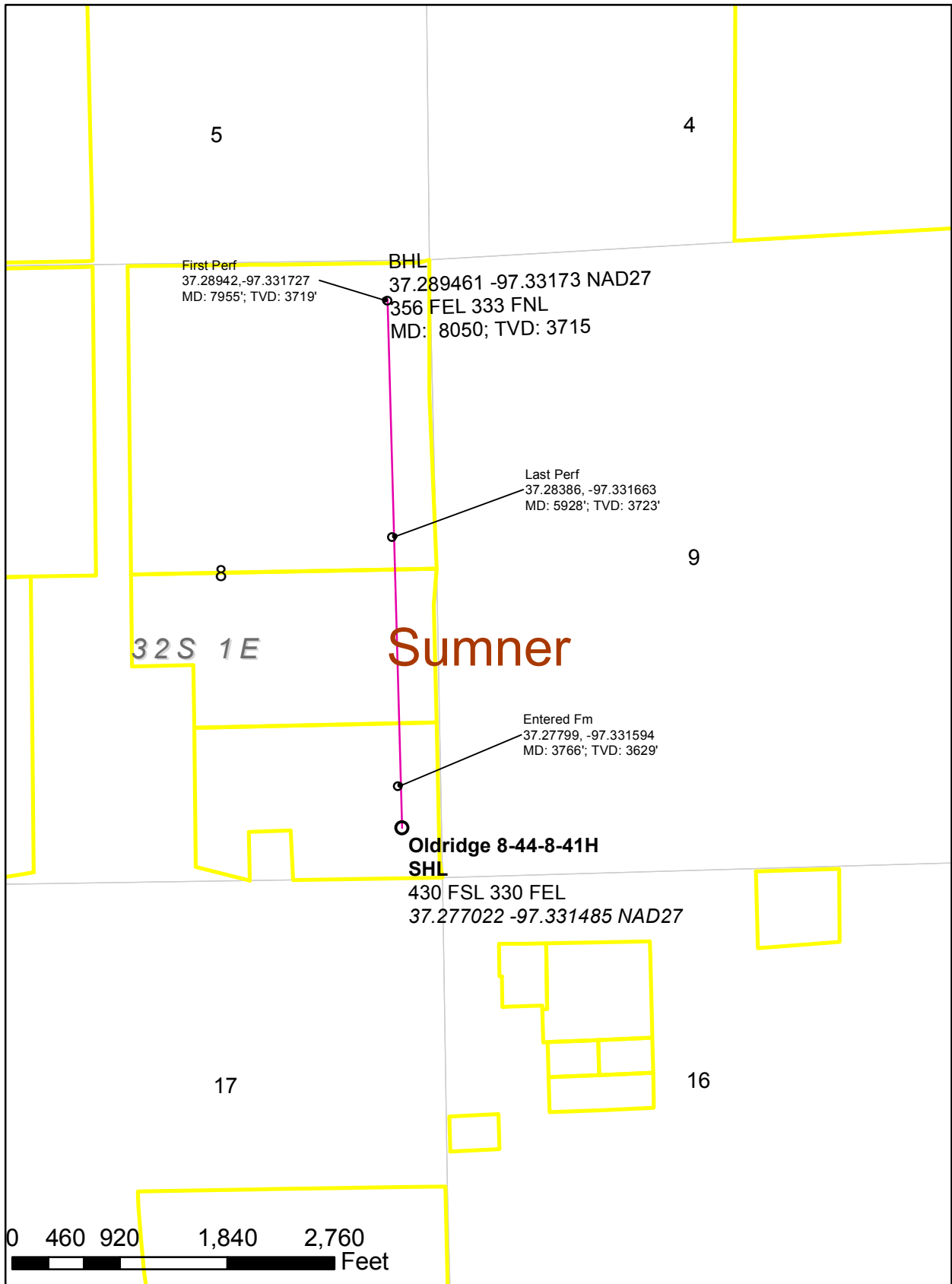
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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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Source Energy MidCon, LLC Horiz Completion (NAD27)



Oldridge 8-44-8-41H



ACTUAL WELLPATH REPORT (CSV version)

Prepared by Baker Hughes

Software System: WellArchitect®3.0.0

REFERENCE WELLPATH IDENTIFICATION

Operator Source Energy
 Area Kansas
 Field Sumner County, KS (Source Energy) NAD27 /Grid
 Facility Oldridge 8-44-8-41H Sec. 8-32S-1E
 Slot Oldridge 8-44-8-41H SL 430 FSL 330 FEL
 Well Subject
 Wellbore Oldridge 8-44-8-41H Actual
 Wellpath AWP- (final)
 Sidetrack (none)

REPORT SETUP INFORMATION

Projection System NAD27 / Lambert Kansas SP, Southern Zone (1502), US feet
 North Reference Grid
 Scale 0.999998
 Convergence at slot 0.72° East
 Software System WellArchitect®
 User Bouglac
 Report Generated 19/Nov/2013 at 09:11
 DataBase/Source folder OKC/ev01.xml

WELLPATH LOCAT	Local North [ft]	Local East [ft]	Grid East [ft]	Grid North [ft]	Latitude	Longitude
Slot Location	0	0	2340001	224371	37°16'37.2"	97°19'53.347"W
Facility Reference			2340001	224371	37°16'37.2"	97°19'53.347"W
Field Reference Pt			2258736	204024	37°13'24.9"	97°36'41.120"W

WELLPATH DATUM

Calculation method Minimum curvature
 Horizontal Reference Facility Center
 Vertical Reference Nabors 113 (RT)
 MD Reference Point Nabors 113 (RT)
 Field Vertical Reference Mean Sea Level
 Nabors 113 (RT) to 20.50ft
 Nabors 113 (RT) to 1285.50ft
 Nabors 113 (RT) to 20.50ft
 Section Origin X 0.00ft
 Section Origin Y 0.00ft
 Section Azimuth 358.61°

WELLPATH DATA Wellbore: Oldridge 8-44-8-41H Actual Wellpath: AWP- (final) † = interpolated/extr
 MD Inclination Azimuth TVD Vert Sect North East Grid East

	[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]
†	0	0	227.41	0	0	0	0	2340001
	20.5	0	227.41	20.5	0	0	0	2340001
	99	1.23	227.41	98.99	-0.55	-0.57	-0.62	2340000
	200	1.34	227.41	199.97	-2.05	-2.1	-2.29	2339999
	310	0.94	227.41	309.95	-3.49	-3.58	-3.9	2339997
	355	0.46	227.41	354.94	-3.85	-3.96	-4.3	2339997
	448	0.52	88.41	447.94	-4.09	-4.2	-4.16	2339997
	540	0.3	202.74	539.94	-4.31	-4.41	-3.83	2339997
	632	0.37	200.61	631.94	-4.81	-4.91	-4.03	2339997
	725	0.39	344.53	724.94	-4.78	-4.88	-4.22	2339997
	817	0.17	348.79	816.94	-4.34	-4.45	-4.33	2339997
	910	0.35	204.17	909.94	-4.46	-4.57	-4.47	2339997
	1002	0.26	120.7	1001.94	-4.83	-4.93	-4.41	2339997
	1094	0.63	143.46	1093.93	-5.35	-5.45	-3.93	2339997
	1187	0.12	69.78	1186.93	-5.74	-5.82	-3.53	2339997
	1278	0.25	269.43	1277.93	-5.7	-5.79	-3.64	2339997
	1371	0.49	100.8	1370.93	-5.78	-5.87	-3.45	2339998
	1464	0.17	50.83	1463.93	-5.78	-5.86	-2.96	2339998
	1556	0.68	335.83	1555.93	-5.2	-5.27	-3.07	2339998
	1649	0.79	72.33	1648.92	-4.51	-4.58	-2.69	2339998
	1742	0.32	207.37	1741.92	-4.56	-4.61	-2.2	2339999
	1836	0.57	187.15	1835.92	-5.25	-5.31	-2.38	2339999
	1928	0.28	203.67	1927.91	-5.91	-5.97	-2.52	2339998
	2023	0.81	99.95	2022.91	-6.25	-6.3	-1.96	2339999
	2118	0.26	314.9	2117.91	-6.22	-6.26	-1.45	2340000
	2213	0.12	344.77	2212.91	-5.97	-6.01	-1.63	2339999
	2307	0.19	35.6	2306.91	-5.75	-5.79	-1.56	2339999
	2401	0.74	84.78	2400.9	-5.59	-5.61	-0.87	2340000
	2496	0.03	16.81	2495.9	-5.52	-5.53	-0.25	2340001
	2590	0.37	354.55	2589.9	-5.2	-5.2	-0.27	2340001
	2685	0.53	226.6	2684.9	-5.18	-5.2	-0.62	2340000
	2780	0.1	10.28	2779.9	-5.4	-5.42	-0.92	2340000
	2875	0.18	12.42	2874.9	-5.17	-5.19	-0.88	2340000
	2969	0.11	35.66	2968.9	-4.96	-4.98	-0.79	2340000
	3064	0.25	330.89	3063.9	-4.7	-4.72	-0.84	2340000
	3096	0.37	307.43	3095.89	-4.57	-4.6	-0.95	2340000
	3127	4.14	342.14	3126.87	-3.44	-3.47	-1.38	2340000
	3159	8.41	346.39	3158.67	-0.04	-0.1	-2.28	2339999
	3190	13.22	345.16	3189.11	5.63	5.54	-3.72	2339997
	3222	17.11	345.24	3219.99	13.77	13.63	-5.86	2339995
	3253	19.77	346.02	3249.39	23.32	23.13	-8.29	2339993
	3285	22.6	345.15	3279.23	34.59	34.33	-11.17	2339990
	3316	25.37	345.25	3307.55	46.84	46.51	-14.39	2339987
	3347	27.6	346.11	3335.29	60.32	59.9	-17.81	2339983
	3379	29.82	349.14	3363.36	75.41	74.92	-21.09	2339980
	3410	32.05	351.94	3389.95	91.18	90.63	-23.69	2339977

3441	33.66	354.33	3415.99	107.92	107.33	-25.7	2339975	
3472	36.2	357.72	3441.41	125.65	125.03	-26.91	2339974	
3504	39.19	1.2	3466.73	145.2	144.59	-27.07	2339974	
3536	42.07	2.67	3491.01	166	165.41	-26.36	2339975	
3567	45.33	2.24	3513.42	187.37	186.8	-25.45	2339976	
3599	48.57	1.63	3535.26	210.71	210.17	-24.66	2339976	
3630	51.2	0.59	3555.23	234.39	233.87	-24.21	2339977	
3662	53.93	359.23	3574.68	259.79	259.28	-24.25	2339977	
3694	56.68	357.71	3592.9	286.1	285.57	-24.96	2339976	
3725	59.27	357.07	3609.34	312.37	311.83	-26.16	2339975	
3757	61.79	356.58	3625.08	340.21	339.64	-27.7	2339973	
3788	64.45	356.64	3639.09	367.84	367.24	-29.34	2339972	
3820	67.29	356.82	3652.17	397.03	396.39	-31	2339970	
3851	69.99	356.95	3663.46	425.88	425.22	-32.57	2339968	
3914	69.73	357.66	3685.15	485.02	484.3	-35.35	2339966	
3945	70.24	357.61	3695.76	514.14	513.4	-36.55	2339964	
3977	70.9	357.08	3706.41	544.31	543.55	-37.95	2339963	
4008	73.4	356.37	3715.91	573.8	573	-39.64	2339961	
4040	76.67	355.49	3724.17	604.68	603.84	-41.83	2339959	
4072	80.1	355.03	3730.62	635.96	635.07	-44.43	2339957	
4103	82.75	354.8	3735.24	666.55	665.6	-47.14	2339954	
4135	85.22	355.19	3738.59	698.31	697.3	-49.92	2339951	
4166	87.14	355.82	3740.66	729.19	728.13	-52.34	2339949	
4281	90.55	357.68	3742.97	844.09	842.9	-58.86	2339942	
4374	89.63	358.21	3742.83	937.08	935.84	-62.19	2339939	
4467	89.97	358.51	3743.15	1030.08	1028.8	-64.85	2339936	
4561	90.86	359.24	3742.47	1124.07	1122.78	-66.7	2339934	
4656	90.77	0.5	3741.12	1219.04	1217.77	-66.92	2339934	
4750	90.52	0.56	3740.06	1312.98	1311.76	-66.05	2339935	
4844	90.58	0.07	3739.16	1406.93	1405.75	-65.53	2339935	
4938	89.75	0.3	3738.89	1500.89	1499.75	-65.23	2339936	
5033	90.15	0.5	3738.97	1595.85	1594.75	-64.56	2339936	
5125	89.23	358.65	3739.47	1687.83	1686.74	-65.24	2339936	
5219	91.69	359.33	3738.71	1781.81	1780.71	-66.9	2339934	
Rusk 1	5292.221	91.31233	359.4919	3736.868	1855	1853.908	-67.6245	2339933
5314	91.2	359.54	3736.32	1876.77	1875.68	-67.84	2339933	
5409	90.68	359.7	3734.76	1971.75	1970.66	-68.47	2339933	
5503	89.91	0.31	3734.28	2065.72	2064.66	-68.46	2339933	
5598	91.72	359.57	3732.93	2160.68	2159.65	-68.56	2339932	
5692	92.68	358.35	3729.32	2254.6	2253.56	-70.26	2339931	
Schlicting SWD	5752.438	91.38853	357.4784	3727.564	2315	2313.915	-72.7221	2339928
5787	90.65	356.98	3726.56	2349.54	2348.43	-74.13	2339927	
5881	91.66	358.22	3724.66	2443.51	2442.33	-78.07	2339923	
5975	90.96	357.74	3722.51	2537.47	2536.25	-81.38	2339920	
6070	89.48	358.02	3722.15	2632.46	2631.18	-84.89	2339916	
6165	90.03	358.74	3722.55	2727.46	2726.14	-87.58	2339913	
6260	89.54	358.82	3722.91	2822.46	2821.11	-89.6	2339911	

6354	90.46	358.61	3722.91	2916.46	2915.09	-91.71	2339909
6449	91.45	358.16	3721.33	3011.44	3010.04	-94.39	2339907
6544	89.38	358.39	3720.64	3106.43	3104.99	-97.25	2339904
6638	90.12	358.74	3721.05	3200.43	3198.96	-99.6	2339901
6733	90.8	358.8	3720.29	3295.43	3293.93	-101.64	2339899
6828	90.34	359.16	3719.34	3390.42	3388.91	-103.33	2339898
6923	90.37	359.38	3718.75	3485.41	3483.9	-104.54	2339896
7018	89.26	0.34	3719.06	3580.39	3578.9	-104.77	2339896
7113	88.68	1.01	3720.77	3675.31	3673.87	-103.66	2339897
7208	87.5	359.88	3723.93	3770.2	3768.82	-102.92	2339898
7303	85.69	358.69	3729.58	3865.02	3863.63	-104.1	2339897
7395	87.66	358.3	3734.91	3956.86	3955.44	-106.51	2339894
7458	89.82	358.88	3736.3	4019.84	4018.4	-108.06	2339893
7490	90.4	359.05	3736.24	4051.84	4050.4	-108.64	2339892
7521	90.19	359.29	3736.08	4082.84	4081.4	-109.09	2339892
7585	91.39	359.31	3735.19	4146.83	4145.38	-109.87	2339891
7679	92.71	358.81	3731.83	4240.76	4239.31	-111.41	2339890
7773	92.4	359.39	3727.64	4334.67	4333.2	-112.89	2339888
7868	92.81	358.53	3723.32	4429.57	4428.09	-114.61	2339886
7917	92.28	359.45	3721.15	4478.52	4477.03	-115.47	2339886
7970	92.28	359.45	3719.04	4531.47	4529.99	-115.98	2339885

T A R G E T S

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude
Oldridge 8-44-8-41H PBHL		3715	4533.02	-110.25	2339891	228904	37°17'22.11	97°19'54.01

WELLPATH COMPOSITION Ref Wellbore: Oldridge 8-44-8-41H Actual Ref Wellpath: AWP- (final)

Log Name/Comment	Start MD [ft]	End MD [ft]	Pos Unc	Model
Drift Indicator	20.5	355		Drift Indicator (Standard)
MWD		355		7917 NaviTrak (Standard)
Projection to bit		7917		7970 Blind Drilling (std)

apolated station
Grid North DLS

Build Rate Turn Rate

[US ft]	[°/100ft]	[°/100ft]	[°/100ft]
224371	0	0	0
224371	0	0	0
224370.4	1.57	1.57	0
224368.9	0.11	0.11	0
224367.4	0.36	-0.36	0
224367	1.07	-1.07	0
224366.8	0.99	0.06	-149.46
224366.6	0.76	-0.24	124.27
224366.1	0.08	0.08	-2.32
224366.1	0.78	0.02	154.75
224366.6	0.24	-0.24	4.63
224366.4	0.54	0.19	-155.51
224366.1	0.45	-0.1	-90.73
224365.6	0.44	0.4	24.74
224365.2	0.65	-0.55	-79.23
224365.2	0.4	0.14	-176.21
224365.1	0.79	0.26	-181.32
224365.1	0.43	-0.34	-53.73
224365.7	0.71	0.55	-81.52
224366.4	1.18	0.12	103.76
224366.4	1.12	-0.51	145.2
224365.7	0.31	0.27	-21.51
224365	0.34	-0.32	17.96
224364.7	0.97	0.56	-109.18
224364.7	1.09	-0.58	-152.68
224365	0.18	-0.15	31.44
224365.2	0.16	0.07	54.07
224365.4	0.67	0.59	52.32
224365.5	0.77	-0.75	-71.55
224365.8	0.36	0.36	-23.68
224365.8	0.85	0.17	-134.68
224365.6	0.65	-0.45	151.24
224365.8	0.08	0.08	2.25
224366	0.1	-0.07	24.72
224366.3	0.24	0.15	-68.18
224366.4	0.54	0.38	-73.31
224367.5	12.39	12.16	111.97
224370.9	13.41	13.34	13.28
224376.5	15.53	15.52	-3.97
224384.6	12.16	12.16	0.25
224394.1	8.62	8.58	2.52
224405.3	8.9	8.84	-2.72
224417.5	8.94	8.94	0.32
224430.9	7.3	7.19	2.77
224445.9	8.29	6.94	9.47
224461.6	8.56	7.19	9.03

224478.3	6.67	5.19	7.71
224496	10.31	8.19	10.94
224515.6	11.47	9.34	10.87
224536.4	9.48	9	4.59
224557.8	10.56	10.52	-1.39
224581.2	10.22	10.13	-1.91
224604.9	8.86	8.48	-3.35
224630.3	9.17	8.53	-4.25
224656.6	9.44	8.59	-4.75
224682.8	8.54	8.35	-2.06
224710.6	7.99	7.87	-1.53
224738.2	8.58	8.58	0.19
224767.4	8.89	8.88	0.56
224796.2	8.72	8.71	0.42
224855.3	1.14	-0.41	1.13
224884.4	1.65	1.65	-0.16
224914.6	2.59	2.06	-1.66
224944	8.35	8.06	-2.29
224974.8	10.56	10.22	-2.75
225006.1	10.81	10.72	-1.44
225036.6	8.58	8.55	-0.74
225068.3	7.81	7.72	1.22
225099.1	6.52	6.19	2.03
225213.9	3.38	2.97	1.62
225306.8	1.14	-0.99	0.57
225399.8	0.49	0.37	0.32
225493.8	1.22	0.95	0.78
225588.8	1.33	-0.09	1.33
225682.8	0.27	-0.27	0.06
225776.8	0.53	0.06	-0.52
225870.8	0.92	-0.88	0.24
225965.7	0.47	0.42	0.21
226057.7	2.25	-1	-2.01
226151.7	2.72	2.62	0.72
226224.9	1.05519	0.199859	0.334627
226246.7	0.56	-0.52	0.22
226341.7	0.57	-0.55	0.17
226435.7	1.05	-0.82	0.65
226530.6	2.06	1.91	-0.78
226624.6	1.65	1.02	-1.3
226684.9	2.241658	-0.99036	-1.38907
226719.4	2.58	-2.14	-1.44
226813.3	1.7	1.07	1.32
226907.2	0.9	-0.74	-0.51
227002.2	1.59	-1.56	0.29
227097.1	0.95	0.58	0.76
227192.1	0.52	-0.52	0.08

227286.1	1	0.98	-0.22
227381	1.14	1.04	-0.47
227476	2.19	-2.18	0.24
227569.9	0.87	0.79	0.37
227664.9	0.72	0.72	0.06
227759.9	0.61	-0.48	0.38
227854.9	0.23	0.03	0.23
227949.9	1.54	-1.17	1.01
228044.9	0.93	-0.61	0.71
228139.8	1.72	-1.24	-1.19
228234.6	2.28	-1.91	-1.25
228326.4	2.18	2.14	-0.42
228389.4	3.55	3.43	0.92
228421.4	1.89	1.81	0.53
228452.4	1.03	-0.68	0.77
228516.4	1.88	1.88	0.03
228610.3	1.5	1.4	-0.53
228704.2	0.7	-0.33	0.62
228799.1	1	0.43	-0.91
228848	2.17	-1.08	1.88
228901	0	0	0

Shape Comment

point

**SOURCE ENERGY PARTNERS
DAILY DRILLING REPORT**

Surface

RIG PHONE NUMBER: 580-303-4948
 FIELD/PROSPECT: Matrix
 WELL LEASE AND NO.: Oldridge 8-44-8-41 H
 CITY/PARISH, STATE: Sumner County, KS
 RIG NAME AND TYPE: Nabors Drilling Rig #113
 PROPOSED MD/TVD: 8050' MD / 3687' TVD
 OBJECTIVE: TOP Mississippi 3609' MD / 3530' TVD
 WD/RKB-MWL: _____
 PERFORATIONS: _____

DATE: 10/29/2013
 AFE NO: 0

CASING PROGRAM

SIZE	WEIGHT	GRADE	PROPOSED / ACTUAL MD / TVD	STATUS	FIT/LOT TEST
9-5/8"	36#	J-55	300' MD /		
7"	23#	N-80	/		
7"	26#	N-80	4100' 3687' /		
4-1/2"	11.6#	N-80	8050' 3687' /		

INTERMEDIATED SETTING DEPTH: KOP @ 3135' MD

LATERAL LENGTH DRILLED

DEPTH YESTERDAY: 0
 DEPTH TODAY: 310
 FOOTAGE DRILLED: 310

DAYS FROM SPUD: 1
 AVERAGE ROP: 68.9/hr
 HOURS DRLG: 5

CURRENT MUD WEIGHT: _____ MUD TYPE: Water Base

AFE DAYS: 15 REPORT NO: 4 COMP DAY: _____

DEPTH-MD/TVD: 310 PBD OR TOF: _____

PRESENT OPERATION (0600): Cut off casing, Well on head

PROPOSED ACTIVITY 24 HRS: Pick up Baker auto track, Drill out, Drill formation

From	To	PLU	Hours	Remarks
6:00	10:00	P	0:00	4 - Hrs/ Prep rig for 13.5" hole / At 10 A.M. Company rep (Barry Bristow) and Nabors rig manager (Stanton Smith) agreed rig is spud ready
10:00	11:00	P	0:00	Pick up B.H.A. and M.U. bit #1
11:00	13:00	P	2:00	Spud 13.5" hole f/ 0' to 99' / 2 hrs / 99' / 49.5 fph
13:00	13:30	P	0:30	Run wireline single shot survey @ 99' 1.23"
13:30	14:30	P	1:00	Rotate f/ 99' to 220' / 121' / 1 hr / 121 fph
14:30	15:00	P	0:30	Run wireline single shot survey @ 200' / 1.23"
15:00	16:30	P	1:30	Rotate f/ 220' to 311' / 91' / 1.5 hrs / 60.6 fph
16:30	17:00	P	0:30	Circulate 20 BBL 80 Vis. Sweep out of hole and run single shot wireline survey / .94" @ 310'
17:00	17:30	P	0:30	Wiper trip out of hole f/ 310' to 33' (no issues)
17:30	18:00	P	0:30	Trip in hole f/ 33' to 310' (no issues)
18:00	18:30	P	0:30	Pump 25 BBL 80 Vis sweep, Circ. Hole clen
18:30	20:00	P	1:30	Trip out of hole f/ 310' to 220' / L/D 1 jt. HWDP, 4 - 6.25" D.C.'S, 2 - 8" D.C.'S, All X.O.'S, Break Bit
20:00	21:00	P	1:00	Hold safety meeting, Rig down Nabors bales, elevators, Rig up Dean's casing crew
21:00	22:00	P	1:00	Run 7 jts (304.78') 36# / J-55 / LT&C casing with Deans casing crew / Shoe set at 304.78'
22:00	22:30	P	0:30	Circulate thru cementing head & rig down casers
22:30	23:30	P	1:00	Pumped 15 BBL water ahead, pumped 150 sks 3% calcium, .50# pheno-seal @ 15 PPG, drop plug displaced 23.5 BBL to land, bumped plug @ 1100 psi, released
23:30	23:30	P	0:00	psi, floats didn't hold, attempt to bump floats 2 more times (no success) Bump plug with 500 psi, shut in, hold psi 5 hours / full returns / 20 BBL cement to surface
23:30	5:00	U	5:30	Hold 500 psi on floats & rig down cementers
5:00	6:00	P	1:00	Release psi on floats, Floats held, rig down cementing head, cut off casing
0:00	0:00		0:00	
0:00	0:00		0:00	
0:00	0:00		0:00	
0:00	0:00		0:00	No accidents, No down time, Full crews
0:00	0:00		0:00	9:30 A.M. Spoke with Patrick of KCC gave him notice of spud / 8:30 A.M. Steve with KCC on location for visit (ok) / Spoke with Johnathon of KCC, gave him approximate cement time so he could be on location / Mr. jonathon Hill of KCC on location during entire cement job
0:00	0:00		0:00	
			24.0	TOTAL HRS.

FOC WR1%: 100.00%
 AFE AMOUNT: \$1,666,290
 NET FOC AMOUNT: \$0
 YESTERDAY'S COST: \$133,772
 TODAY'S DAILY COST: \$46,068
 CUMMULATIVE COST: \$332,006

MUD PROPERTIES		Mud Type	Buoyancy Factor: 1.0000			% Solids	Oil/Water	CA	% Sand	OWR	Chlorides
Mud Wt.	Viscosity	PV/YP	Gels 10sec/10min	PH/POH	Filtrate API/HTHP	Cake API/HTHP					
MBT:	PHPA										
			Circ Vol: 0 bbls	Surf Vol:	Ann Volume:		DC Volume:		DP Volume:	Treating Volume 0 bbls	
DAILY MUD USAGE		Xan Plex D	Drispac SL	Check Loss	Carbo gel					Pallets	
Mil Gel NT	New Drill HP	Drispac R	Mica C	Omni Mul						Wraps	
Barite	Ligo	XCD	Mica F	EcoFlo SBM						Engineer	
Bulk Gel	Mil Carb	MilPac LV	Nut Plug M	GLASS BEADS						Liquid Mud	
Caustic Soda	Super Sweep	Salt	LD-8								
Lime	Cacl	Unical									
Soda Ash	Biolose	MilPac R									
										CUMULATIVE MUD COST \$ -	
										DAILY MUD COST \$ -	

BIT INFORMATION												
NO.	SIZE	MAKE	TYPE	DEPTH OUT	FOOTAGE	HOURS	AVG ROP	JETS	DEPTH IN	SERIAL NO.	GRADE	MOTOR MAKE & TYPE
1	13.500"	PDC	DP606	310'	310'	4.5	68.9/hr		0'	7028907	1-1-WT-I-X-TD	
					0'							

DAILY HYDRAULICS INFORMATION										
PUMP	MAKE MODEL	STROKE	LINER	SPM	EFF	BBL/STK	PUMP PRESS	GPM	DP AV	DC AV
1	Gardener Denver	10.000"	6.0"	85	95%	0.0996	300 psi	#REF!	#REF!	#REF!
2	Gardener Denver	10.000"	6.0"		95%	0.0996				



SOURCE ENERGY PARTNERS DAILY DRILLING REPORT

RIG PHONE NUMBER	580-303-4948	DATE:	11/2/2013
FIELD/PROSPECT	Matrix	AFE NO:	10072D
WELL LEASE AND NO.	Oldridge 8-44-8-41 H	CASING PROGRAM	
CITY/PARISH, STATE	Sumner County, KS	PROPOSED / ACTUAL	MD / TVD
RIG NAME AND TYPE	Nabors Drilling Rig #113	SIZE	WEIGHT
PROPOSED MD/TVD	8050' MD / 3687' TVD	9-5/8"	36#
OBJECTIVE	TOP Mississippi 3609' MD / 3530' TVD	7"	23#
WDRKB-MWL		7"	26#
PERFORATIONS		4-1/2"	11.6#
			N-80
			N-80
		INTERMEDIATED SETTING DEPTH:	4176
		LATERAL LENGTH DRILLED	
CURRENT MUD WEIGHT	9.0 PPG	MUD TYPE:	Water Base
DEPTH-MD/TVD	4213	DEPTH YESTERDAY	4,009
PRESENT OPERATION (0600)	Circulate, and R/U Allied Cementers	DEPTH TODAY	4,213
PROPOSED ACTIVITY 24 HRS:	Cement 7" casing, Test seals, and casing, P/U lateral Drilling Assy.	FOOTAGE DRILLED	204
		HOURS DRLG	5.5
		DAYS FROM SPUD:	5
		AVERAGE ROP	37.1'/hr
		REPORT NO:	8
		COMP DAY	

From	To	P/W/A	Hours	Remarks
6:00	11:30		5.5	Rotary Drill 8-3/4" hole f/ 4009' to 4213', 204' / 5.5 hrs / 37 fph. (Lost 60 bbl's mud @ 4130')
11:30	13:00		1.5	Pumped 2 - 20 bbl, 60 vis sweeps, and circulated hole clean
13:00	14:00		1	Wiped hole f/ 4213' to 2810', worked tight spot @ 3315' / wash and ream 90' up & down
14:00	14:30		0.5	Trip back in hole f/ 2810' to 4213', no tight spots, no fill.
14:30	15:00		0.5	Service top drive.
15:00	16:00		1	Pumped 2 - 20 bbl, 60 vis sweeps, and circulated hole clean
16:00	18:00		2	Trip out of hole f/ 4213' to 1496'. (strap out of hole)
18:00	19:30		1.5	Trip out of hole f/ 1496' to 110'. (strap out of hole)
19:30	20:30		1	L/D Baker Directional tools f/ 110' to bit #2.
20:30	22:00		1.5	Held Safety Meeting with Deans Casing, R/U Casing Crew, Tools, elevators, bails, and P/U machine to run 7" casing.
22:00	4:00		6	Ran 7" FS, 1 Jt. 23#, FC, 10 joints 7", 26#, N-80, LTC, 84 jt's, 7", 23#, N-80, LTC Float Shoe @ 4176.73'. 2 solid band centralizers every 2nd jt, and 9 bow spring centralizers every 3 joint. Circulated down 7" casing f/ 3930' (stickey & tight) Landed Cameron fluted mandrel in well head and verified by Cameron Rep.
4:00	6:00		2	Circulated hole while R/D casing crew & tools. (partial circulation - loosing fluid)
				No accidents, No down time, Full crews
			24.0	TOTAL HRS.

FOC WRI%:	100.00%	PREVIOUS DAYS COST	\$524,328
AFE AMOUNT:	\$1,666,290	TODAY'S DAILY COST	\$172,880
NET FOC AMOUNT:	\$0	CUMMULATIVE COST	\$697,208

MUD PROPERTIES		Mud Type	Water	Buoyancy Factor:								
Mud Wt.	Viscosity	PV/YP	Gels 10sec/10min	PH/POH	Filtrate API/HTHP	Cake API/HTHP	% Solids	Oil/Water	CA	% Sand	OWR	Chlorides
9.0	36	10/8	1/5	10.0	5.2	1	4.90%	95.1	60	1.00%		2,100
MBT:	PHPA											Treating Volume
		Circ Vol:	689 bbls	Surf Vol:	406 bbls	Ann Volume:	244 bbls	DC Volume:	3 bbls	DP Volume:	32 bbls	689 bbls
DAILY MUD USAGE		Xan Plex D		Driscac SL	5	Check Loss		Carbo gel		Pallets		
Mil Gel NT	88	New Drill HP		Driscac R	2	Mica C		Omnifl Mul		Wraps		
Barite		Ljgco	6	XCD		Mica F		EcoFlo SBM		Engineer	1	
Bulk Gel		Mil Carb		MilPac LV		Nut Plug M		GLASS BEADS		Liquid Mud		
Caustic Soda		Super Sweep		Salt		LD-8						
Lime		Cacl		Unical								
Soda Ash		Biolose		MilPac R								
						PRIOR CUM COST	\$ 15,727			CUMMULATIVE MUD COST	\$ 23,324	
						DAILY MUD COST	\$ 7,597					

BIT INFORMATION												
NO.	SIZE	MAKE	TYPE	DEPTH OUT	FOOTAGE	HOURS	AVG ROP	JETS	DEPTH IN	SERIAL NO.	GRADE	MOTOR MAKE & TYPE
1	13.500"	PDC	DP606	310'	310'	4.5	68.9'/hr		0'	7028907	1-1-WT-I-X-TD	
2	8.750"	PDC	AT506X	4,213'	3,903'	49.0	79.6'/hr	6-16	310'	7141106	1-1-WT-I-X-TD	Auto-Trak (0.27RPG)
					0'							

DAILY HYDRAULICS INFORMATION											
PUMP	MAKE MODEL	STROKE	LINER	SPM	EFF	BBL/STK	PUMP PRESS	GPM	DP AV	DC AV	
1	Gardener Denver	10.000"	6.0"	70	95%	0.0996	2,600 psi	#REF!	#REF!	#REF!	
2	Gardener Denver	10.000"	6.0"	70	95%	0.0996					

Intermediate



SOURCE ENERGY PARTNERS DAILY DRILLING REPORT

RIG PHONE NUMBER: 580-303-4948
 FIELD/PROSPECT: Matrix
 WELL LEASE AND NO.: Oldridge 8-44-8-41 H
 CITY/PARISH, STATE: Sumner County, KS
 RIG NAME AND TYPE: Nabors Drilling Rig #113
 PROPOSED MD/TVD: 8050' MD / 3687' TVD
 OBJECTIVE: TOP Mississippi 3609' MD / 3530' TVD
 WDRKB-MWL:
 PERFORATIONS:

DATE: 11/3/2013
 AFE NO: 10072D

CASING PROGRAM

SIZE	WEIGHT	GRADE	PROPOSED / ACTUAL MD / TVD	STATUS	FIT/LOT TEST
9-5/8"	36#	J-55	300' MD / 304' MD		
7"	23#	N-80	/		
7"	26#	N-80	4100' 3687' / 4176'		
4-1/2"	11.6#	N-80	8050' 3687' /		

CURRENT MUD WEIGHT: 8.3 PPG MUD TYPE: Water Base
 AFE DAYS: 15 REPORT NO: 9 COMP DAY
 DEPTH-MD/TVD: 4650 PBTD OR TOF
 PRESENT OPERATION (0600): Drill 6-1/8" Hole Section
 PROPOSED ACTIVITY 24 HRS: Drill 6-1/8" Hole Section & unload 4-1/2" casing.

INTERMEDIATED SETTING DEPTH 4176'

LATERAL LENGTH DRILLED 474'

DEPTH YESTERDAY 4,213

DEPTH TODAY 4,650

FOOTAGE DRILLED 437

DAYS FROM SPUD: 6

AVERAGE ROP

HOURS DRLG 10

43.7'/hr

From	To	PU/A	Hours	Remarks
6:00	7:30		1.5	Circulate & condition, while R/U Allied Cementers.
7:30	8:00		0.5	Held Safety Meeting with Allied cement crew.
8:00	9:00		1	Pressure test pump & lines to 3000 psi. Pumped 5 bbl water, 12 bbl ASF pre flush, and 5 bbl water. Ahead of Lead Cement; 45.6 bbl / 190 sacks, Class "A" cement w/ 5% salt, + 2% gel, + 0.3 FL-160 (fluid loss) with yield of 1.35 / 6.25 gps water, @ 15 #/gal, followed by 100 sacks / 24 bbl's, same mix of Tail cement at 15.8 ppg (total cement = 69 bbl / 290 sks with 20% excess) Drop top rubber plug, Displaced with 162 bbl's of water, bumped plug w/ 1600 psi, floats held, CIP @ 09:00 hrs, 2-Nov-2013. (Theoretical top of cement @ 2135')
9:00	9:30		0.5	Rig Down Cement Crew & Equip.
9:30	11:00		1.5	Back out landing joint, and running tool. Set Cameron Seals, and bit guide. Test to 5000 psi for 10 min.
11:00	11:30		0.5	R/U Test truck, test casing to 4500 psi / 10 min. all test good, R/D Testers.
11:30	12:00		0.5	Service Rig.
12:00	12:30		0.5	Change out Casing Elevators, and Bails to drill pipe equip.
12:30	13:00		0.5	P/U Baker lateral drilling BHA.
13:00	16:00		3	Dump & Clean Mud Pits, Refill with storage mud.
16:00	16:30		0.5	Test MWD & motor, make up bit #3.
16:30	17:30		1	Trip in hole f/ 116' to 2385'
17:30	18:00		0.5	P/U 9 joints of Drill Pipe off pipe racks.
18:00	19:30		1.5	Trip in Hole f/ 2385' to 4087', Tag Cement.
19:30	20:00		0.5	Drill Out / Clean Out Cement f/ 4087' to FC @ 4134', cement, FS @ 4180', pre drilled hole to 4213'.
20:00	1:00		5	Rotary Drill 6-1/8" Hole f/ 4213' to 4427', 214' / 5 hrs / 42.8 fph. ((set clocks back 1 hr / daylight savings time))
1:00	6:00		5	Rotary Drill 6-1/8" Hole f/ 4427' to 4650', 223' / 5 hrs / 44.6 fph.
				No accidents, No down time, Full crews
			24.0	TOTAL HRS.

FOC WRI%:	100.00%	PREVIOUS DAYS COST	\$697,208
AFE AMOUNT:	\$1,666,290	TODAY'S DAILY COST	\$61,873
NET FOC AMOUNT:	\$0	CUMMULATIVE COST	\$759,081

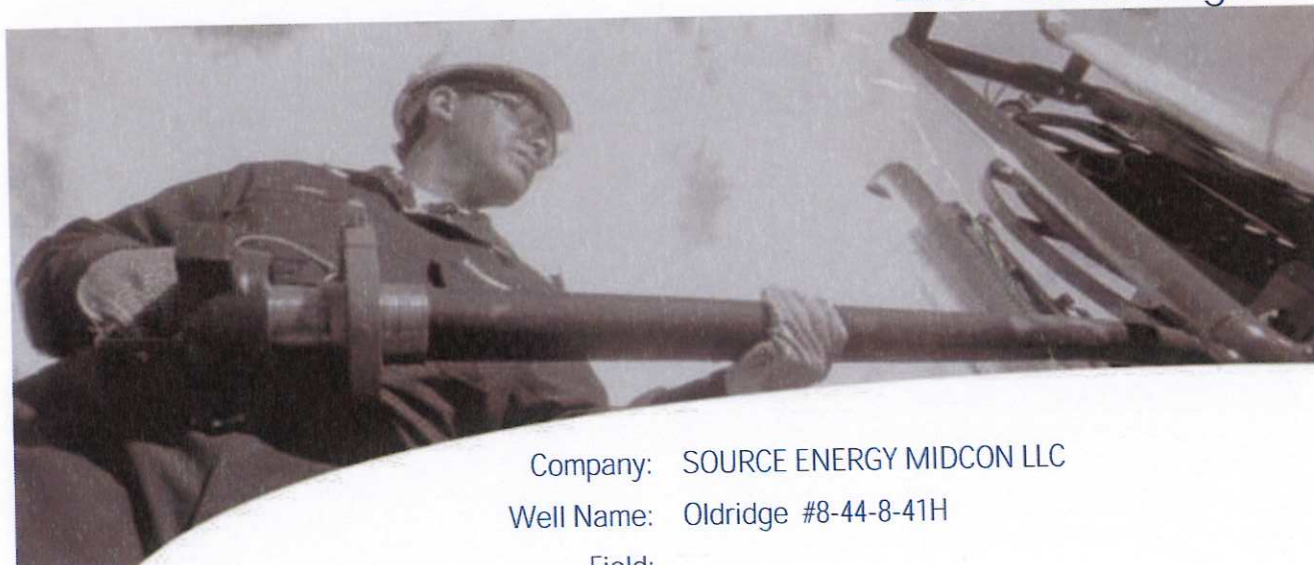
MUD PROPERTIES		Mud Type	Water	Buoyancy Factor: 0.8728								
Mud Wt.	Viscosity	PV/YP	Gels 10sec/10min	PH/POH	Filtrate API/HTHP	Cake API/HTHP	% Solids	Oil/Water	CA	% Sand	OWR	Chlorides
8.3	27		0	7	100	0	0.00%	100	60	0.00%		300
MBT:	PHPA											Treating Volume
		Circ Vol:	662 bbls	Surf Vol:	500 bbls	Ann Volume:	162 bbls	DC Volume:	3 bbls	DP Volume:	45 bbls	662 bbls

DAILY MUD USAGE		Xan Plex D		Drispac SL		Check Loss		Carbo gel		Pallets	
Mil Gel NT	5	New Drill HP		Drispac R		60/40 LCM	40	Omni Mul		Wraps	
Barite		Ligco	1	XCD		Mica F		EcoFlo SBM		Engineer	1
Bulk Gel		Mil Carb		MilPac LV		Nut Plug M		GLASS BEADS		Liquid Mud	
Caustic Soda		Super Sweep		Salt		LD-8					
Lime		Cacl		Unical							
Soda Ash		Biolose		MilPac R							
						PRIOR CUM COST	\$ 7,597	CUMULATIVE MUD COST		\$ 24,533	
						DAILY MUD COST		\$ 1,209			

BIT INFORMATION												
NO.	SIZE	MAKE	TYPE	DEPTH OUT	FOOTAGE	HOURS	AVG ROP	JETS	DEPTH IN	SERIAL NO.	GRADE	MOTOR MAKE & TYPE
1	13.500"	PDC	DP606	310'	310'	4.5	68.9'/hr		0'	7028907	1-1-WT-I-X-TD	
2	8.750"	PDC	AT506X	4,213'	3,903'	49.0	79.6'/hr	6-16	310'	7141106	1-1-WT-I-X-TD	Auto-Trak (0.27RPG)
3	6.125"	PDC	MM54DM	-4,213'				2-13 3-14	4,213'	12160527		BHI M1XLVS (.27 rpg)

DAILY HYDRAULICS INFORMATION											
PUMP	MAKE MODEL	STROKE	LINER	SPM	EFF	BBL/STK	PUMP PRESS	GPM	DP AV	DC AV	
1	Gardener Denver	10.000"	6.0"	70	95%	0.0996	2,600 psi	#REF!	#REF!	#REF!	
2	Gardener Denver	10.000"	6.0"	70	95%	0.0996					

Liner Cementing



Company: SOURCE ENERGY MIDCON LLC
Well Name: Oldridge #8-44-8-41H
Field:
County: Sumner
State: KS

Date: 11/5/2013

Well Location:

Well Number (API): SAP: 631507374

Proposal Number: 1 - Liner

Contact: Steve Godfrey

Made By: Don Graham

Service from District: El Reno

District Phone: 405-262-6580

Objective: Set 4.5" Liner at 8,000 feet using 320 sacks of
13.50 ppg cement as per request. Thank you.

Disclaimer Notice

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Schlumberger

**HYDRAULIC FRACTURING FLUID PRODUCT COMPONENT
INFORMATION DISCLOSURE**



Last Fracture Date:	1/20/2014
County:	Sumner
API Number (14 Digits):	15-191-228230100
Operator Name:	Source Energy MidCon LLC
Well Name and Number:	Oldridge 8-44-8-41H
Latitude:	37.27702
Longitude:	-97.33149
Datum:	NAD27
Production Type:	OIL
True Vertical Depth (TVD):	3685
Total Base Fluid Volume (gal)*:	1,078,975

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)**	Authorized Representative's Name, Address and Phone Number	
Water	Operator	Carrier/Base Fluid	Water	7732-18-5	100	92.958973		
White 30/50	Trican	Proppant	SiO2	14808-60-7	100	4.553962		
Bio Clear 5000	Trican	Biocide	Polyethylene glycol	25322-68-3	70	0.036654		
			2,2-dibromo-3-nitropropionamide	10222-01-2	10	0.005236		
15% HCL	Trican	Acidizing	Hydrochloric Acid	7647-01-0	15	0.139131		
S-15	Trican	Surfactant	Alcohol alkoxylate	trade secret	20	1.8659	Trican Well Service, L.P., 5825 N. Sam Houston Parkway West, Suite 600, Houston, TX 77086,	
			Methanol	67-56-1	20	1.8659		
FR-15	Trican	Friction Reducer	light hydrotreated petro distillate	64742-47-8	25	0.015539		
			Proprietary Amide	Proprietary Amide	trade secret	2.5	0.001554	Trican Well Service, L.P., 5825 N. Sam Houston Parkway West, Suite 600, Houston, TX 77086,
GB0-1	Trican	Breaker	Sodium perBorate tetrahydrate	10486-00-7	98	0.006526		
LOS-20	Trican	Oxygen Scavenger	ammonium bisulfite	10192-30-0	50	0		
LSI-20	Trican	Scale Inhibitor	organic phosphonic acid salts	trade secret	20	0.002652	Trican Well Service, L.P., 5825 N. Sam Houston Parkway West, Suite 600, Houston, TX 77086,	
			Methanol	67-56-1	15	0.001989		
CC-8	Trican	Clay Control	Choline Chloride	102-71-6	74	0.135651		
			Triethanolamine	111-42-2	11	0.010754		
WBA-3	Trican	Breaker Accelerator	surfactant & corrosion inhibitor	Diethanolamine	111-42-2	11	0.010754	
			Slurried Guar Gellant	light hydrotreated pet. distillate	64742-47-8	60	0	
WG-111L	Trican	guar gellant	polysaccharide blend	9000-30-0	60	0		
			Sodium Persulfate	7775-27-1	100	0		
DARS-10	Trican	Diverting Agent	Sodium chloride	7647-14-5	100	1.035461		
LAI-20	Trican	Acid Inhibitor	Methanol	67-56-1	31	0.001206		
			surfactant	alcohol ethoxylate surfactants	trade secret	30	0.001167	Trican Well Service, L.P., 5825 N. Sam Houston Parkway West, Suite 600, Houston, TX 77086,
	Trican	purpose not on CAS registry	modified thiourea polymer	68527-49-1	30	0.001167		
			n-olefins	trade secret	10	0.000389	Trican Well Service, L.P., 5825 N. Sam Houston Parkway West, Suite 600, Houston, TX 77086,	
	Trican	corrosion inhibitor	Prop-2-yn-1-ol	107-19-7	8	0.000311		
			Acetic acid	64-19-7	45	0.00163		
FEAC-20	Trican	Iron Control	Citric Acid	77-92-9	30	0.001087		
			Trade Secret Ingredient	trade secret	0	0	Trican Well Service, L.P., 5825 N. Sam Houston Parkway West, Suite 600, Houston, TX 77086,	
	Trican	purpose not on CAS registry	Sorbitan monooleate	1338-43-8	0	0		
	Trican	purpose not on CAS registry	Alcohols, C12-16, ethoxylated	68551-12-2	0	0		
	Trican	purpose not on CAS registry	Copolymer of acrylamide-AETAC	69418-26-4	0	0		

*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).