



KANSAS CORPORATION COMMISSION 1098889  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

**CONFIDENTIAL**

**WELL COMPLETION FORM**

**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 34192  
Name: SandRidge Exploration and Production LLC  
Address 1: 123 ROBERT S. KERR AVE  
Address 2: \_\_\_\_\_  
City: OKLAHOMA CITY State: OK Zip: 73102 + 6406  
Contact Person: Tiffany Golay  
Phone: ( 405 ) 429-6543  
CONTRACTOR: License # 34464  
Name: Lariat Services, Inc.  
Wellsite Geologist: Kathy Gentry  
Purchaser: DCP Midstream, LP (gas) NCRA (oil)

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  WSW  SWD  SLOW  
 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  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled Permit #: \_\_\_\_\_  
 Dual Completion Permit #: \_\_\_\_\_  
 SWD Permit #: \_\_\_\_\_  
 ENHR Permit #: \_\_\_\_\_  
 GSW Permit #: \_\_\_\_\_

<u>10/1/2012</u>	<u>10/24/2012</u>	<u>10/26/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-033-21672-01-00  
Spot Description: \_\_\_\_\_  
NE NW NE NE Sec. 5 Twp. 34 S. R. 19  East  West  
200 Feet from  North /  South Line of Section  
810 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Comanche  
Lease Name: Thyme 3419 Well #: 1-5H  
Field Name: \_\_\_\_\_  
Producing Formation: Mississippian  
Elevation: Ground: 1944 Kelly Bushing: 1965  
Total Depth: 9892 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 875 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: 15000 ppm Fluid volume: 400 bbls  
Dewatering method used: Hauled to Disposal  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: Guard, Inc.  
Lease Name: unnamed License #: 99999  
Quarter SW Sec. 23 Twp. 22 S. R. 13  East  West  
County: Major, OK Permit #: 342682

**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	
<input checked="" type="checkbox"/>	Letter of Confidentiality Received Date: <u>01/28/2013</u>
<input type="checkbox"/>	Confidential Release Date: _____
<input checked="" type="checkbox"/>	Wireline Log Received
<input type="checkbox"/>	Geologist Report Received
<input type="checkbox"/>	UIC Distribution
ALT <input checked="" type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III	Approved by: <u>NACMI JAMES</u> Date: <u>01/29/2013</u>

Directional Survey Calculations	Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL
									200	5080	4470	810
SHL	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200	5080	4470	810
BHL	9880	89.44	180.45	5447.96	-4736.69	146.91	4738.55	0.04	4937	343	4617	663
Miss Entry	5531	54.48	171.19	5355.76	-412.78	99.47	415.44	7.51	613	4667	4569	711
Top Perf	6600	61.06	171.80	5392.69	-470.34	108.15	473.23	10.82	670	4610	4578	702
Bottom Perf	9776	89.78	180.56	5447.46	-4621.69	148.01	4624.03	0.63	4822	458	4619	662

Survey Points	X	Y	Surface XY	X	Y	North Line slope	m
NW Corner XY Coord	0	5280		4470	5080	0	0
SW Corner XY Coord	0	0				0	0
NE Corner XY Coord	5280	5280				0	0
SE Corner XY Coord	5280	0				0	0

Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL
								200	5080	4470	810
0	0.0	0	0	0	0	0	0	200	5080	4470	810
222	0.90	0.15	221.99	1.74	0.00	-1.74	0.41	198	5082	4470	810
471	1.10	0.15	470.95	6.09	0.02	-6.09	0.08	194	5086	4470	810
744	0.40	0.14	743.93	9.66	0.03	-9.66	0.28	190	5090	4470	810
886	0.40	0.14	865.92	10.51	0.03	-10.51	0.00	189	5091	4470	810
1024	0.40	358.80	1023.92	11.62	0.02	-11.61	0.01	188	5092	4470	810
1483	0.60	298.20	1482.91	14.35	-2.13	-14.41	0.12	186	5094	4468	812
1960	0.30	287.80	1959.89	15.92	-5.52	-16.07	0.06	184	5096	4464	816
2430	0.30	29.00	2435.89	17.39	-6.10	-17.55	0.10	183	5097	4464	816
2913	0.30	41.00	2912.88	19.42	-4.68	-19.55	0.01	181	5099	4465	815
3388	0.90	343.60	3387.88	23.94	-4.92	-24.07	0.10	178	5104	4465	815
3865	1.50	308.90	3864.75	31.28	-10.97	-31.58	0.20	168	5111	4459	821
4151	1.50	308.10	4150.66	35.84	-16.91	-36.31	0.01	164	5116	4453	827
4246	1.50	288.50	4245.63	37.00	-19.06	-37.53	0.54	163	5117	4451	829
4342	1.40	295.30	4341.59	37.90	-21.32	-38.49	0.21	162	5118	4449	831
4438	1.50	298.40	4437.56	39.00	-23.48	-39.65	0.13	161	5119	4447	833
4501	1.30	298.90	4500.54	39.74	-24.63	-40.43	0.32	160	5120	4445	835
4533	1.10	303.10	4532.54	40.08	-25.41	-40.79	0.68	160	5120	4445	835
4565	0.40	286.30	4564.53	40.28	-25.77	-41.00	2.27	160	5120	4444	836
4597	1.30	143.80	4596.53	40.02	-25.66	-40.73	5.11	160	5120	4444	836
4620	3.50	136.60	4627.50	39.04	-24.81	-39.73	7.14	161	5119	4445	835
4660	5.80	140.40	4659.40	37.08	-23.11	-37.73	7.24	163	5117	4447	833
4692	7.80	143.00	4691.17	34.10	-20.77	-34.68	6.32	166	5114	4449	831
4724	10.10	145.90	4722.78	30.05	-17.89	-30.54	7.32	170	5110	4452	828
4756	12.30	147.20	4754.17	24.86	-14.47	-25.26	6.92	175	5105	4458	824
4787	14.00	149.30	4784.35	18.86	-10.77	-19.16	5.70	181	5099	4459	821
4819	15.80	151.50	4815.28	11.70	-6.71	-11.89	5.80	188	5092	4463	817
4851	17.90	151.30	4845.90	3.56	-2.27	-3.62	6.56	186	5084	4468	812
4882	20.30	151.80	4875.19	-5.36	2.56	5.43	7.76	205	5075	4473	807
4914	23.00	153.10	4904.93	-15.83	8.01	16.05	8.57	216	5064	4478	802
4946	25.10	150.30	4934.15	-27.62	13.57	28.00	7.72	228	5052	4484	796
4978	27.00	157.40	4962.90	-40.55	19.09	41.07	6.13	241	5039	4489	791
5009	29.20	159.10	4990.25	-54.11	24.49	54.79	7.55	254	5026	4494	786
5041	31.80	160.70	5017.82	-69.36	30.06	70.19	8.51	269	5011	4500	780
5073	34.60	162.20	5044.59	-85.97	35.63	86.95	9.12	286	4994	4506	774
5104	37.10	163.40	5069.72	-103.32	40.99	104.44	8.38	303	4977	4511	769
5136	39.30	164.50	5094.86	-122.33	46.45	123.61	7.20	322	4958	4516	764
5168	41.30	165.10	5119.27	-142.31	51.88	143.73	6.37	342	4938	4522	758
5200	43.70	165.90	5142.86	-163.24	57.29	164.80	7.69	363	4917	4527	753
5231	46.80	167.80	5164.68	-184.67	62.29	186.37	10.01	385	4895	4532	748
5263	48.50	169.20	5186.24	-207.85	67.00	209.67	8.22	408	4872	4537	743
5295	48.80	170.20	5207.17	-231.66	71.32	233.60	4.70	432	4848	4541	739
5327	50.50	171.60	5227.97	-255.92	75.21	257.86	4.01	456	4824	4545	735
5359	50.60	171.60	5248.01	-280.36	78.84	282.49	0.39	480	4800	4549	731
5390	50.60	171.10	5267.70	-304.02	82.46	306.25	1.05	504	4776	4552	728
5422	50.60	171.20	5288.04	-328.44	86.26	330.78	0.39	528	4752	4556	724
5454	50.30	170.90	5308.41	-352.81	90.10	355.23	1.18	553	4727	4560	720
5486	51.20	171.20	5328.66	-377.29	93.95	379.81	2.90	577	4703	4564	716
5518	53.40	171.10	5348.23	-402.30	97.85	404.93	6.88	602	4678	4568	712
5547	55.80	171.30	5365.02	-425.66	101.48	428.38	8.29	626	4654	4571	709
5581	58.80	171.30	5383.39	-453.94	105.79	456.77	8.82	654	4626	4576	704
5613	62.60	172.30	5399.05	-481.56	109.77	484.49	12.18	682	4598	4580	700
5645	66.50	172.50	5412.80	-510.19	113.59	513.22	12.20	710	4570	4584	696
5676	69.50	172.30	5424.41	-538.68	117.39	541.81	9.70	739	4541	4587	693
5708	71.50	172.10	5435.09	-568.56	121.48	571.79	8.28	769	4511	4591	689
5740	73.40	171.10	5444.74	-598.75	125.94	602.09	6.64	799	4481	4596	684
5772	76.60	170.60	5453.02	-629.26	130.86	632.73	10.11	829	4451	4601	679
5804	80.00	169.60	5459.51	-660.12	136.24	663.73	11.08	860	4420	4606	674
5836	83.40	169.40	5464.13	-691.25	142.01	695.02	10.64	891	4389	4612	668
5867	86.90	168.80	5466.75	-721.58	147.85	725.50	11.45	922	4358	4616	662
5893	90.20	168.70	5467.41	-747.07	152.92	751.12	12.70	947	4333	4623	657
5922	92.40	166.40	5465.84	-814.42	167.79	818.87	4.61	1014	4288	4638	642
5953	92.00	166.50	5464.65	-844.53	175.05	849.10	1.33	1045	4235	4645	635
6024	91.40	167.30	5463.73	-874.71	182.07	879.54	3.22	1075	4205	4652	628
6055	91.00	169.30	5463.08	-905.06	188.36	910.06	6.58	1105	4175	4658	622
6085	90.80	170.80	5462.61	-934.60	193.54	939.74	5.04	1135	4145	4664	616
6116	90.30	172.80	5462.31	-965.28	197.86	970.53	6.65	1165	4115	4668	612
6147	90.00	174.80	5462.23	-996.10	201.28	1001.43	8.84	1198	4084	4671	609
6177	89.30	176.10	5462.41	-1026.01	203.64	1031.40	4.63	1226	4054	4674	606

Top of Tangent  
@ 5,310'

Btm of Tangent  
@ 5,484'

Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL
6208	87.80	177.60	5463.20	-1056.95	205.34	1062.37	6.84	1257	4023	4675	805
6239	86.00	178.20	5464.87	-1087.88	208.47	1093.33	6.12	1288	3992	4676	604
6270	86.20	178.50	5466.98	-1118.60	207.36	1124.25	1.16	1319	3961	4677	603
6300	87.30	180.50	5468.88	-1148.75	207.63	1154.20	7.60	1349	3931	4678	602
6331	86.30	181.30	5469.87	-1179.72	207.14	1185.14	4.13	1380	3900	4677	603
6362	88.50	181.40	5470.74	-1210.70	208.41	1216.09	0.72	1411	3869	4676	604
6393	88.50	180.80	5471.55	-1241.68	205.79	1247.04	1.61	1442	3838	4676	604
6423	88.50	180.80	5472.34	-1271.67	205.34	1277.00	0.33	1472	3808	4675	605
6454	88.70	181.20	5473.09	-1302.60	204.80	1307.96	1.44	1503	3777	4675	605
6485	89.10	180.60	5473.69	-1333.65	204.31	1338.93	2.33	1534	3746	4674	606
6515	89.40	181.00	5474.08	-1363.64	203.90	1368.90	1.07	1564	3716	4674	606
6546	89.70	180.00	5474.33	-1394.64	203.63	1399.87	3.37	1595	3685	4674	606
6577	90.00	180.50	5474.41	-1425.64	203.49	1430.88	1.88	1626	3654	4673	607
6607	90.20	180.50	5474.35	-1455.84	203.23	1460.84	0.67	1656	3624	4673	607
6638	90.60	180.20	5474.14	-1486.63	203.04	1491.82	1.61	1687	3593	4673	607
6669	90.90	179.90	5473.75	-1516.63	203.01	1521.80	1.41	1717	3563	4673	607
6699	91.30	180.30	5473.15	-1547.63	202.96	1552.78	1.82	1748	3532	4673	607
6730	91.20	181.40	5472.47	-1578.62	202.50	1583.74	3.56	1779	3501	4672	608
6760	91.20	181.40	5471.85	-1608.60	201.77	1613.69	0.00	1809	3471	4672	608
6822	90.90	181.60	5470.71	-1670.57	200.14	1675.59	0.58	1871	3409	4670	610
6883	90.70	181.80	5469.86	-1731.54	198.33	1736.48	0.46	1932	3348	4668	612
6944	91.30	182.20	5468.79	-1792.49	196.21	1797.35	1.18	1992	3288	4666	614
7006	92.10	182.80	5466.95	-1854.40	193.50	1859.16	1.01	2054	3226	4664	616
7067	90.10	182.20	5465.78	-1915.33	190.84	1919.99	3.42	2115	3165	4661	619
7129	91.30	182.60	5465.03	-1977.27	188.25	1981.83	2.04	2177	3103	4658	622
7193	93.20	182.90	5462.51	-2041.14	185.18	2045.50	3.01	2241	3039	4655	625
7257	92.60	183.10	5459.27	-2104.97	181.83	2109.30	0.89	2305	2975	4652	628
7320	91.80	182.80	5458.86	-2167.84	178.59	2172.05	1.36	2368	2912	4649	631
7384	91.80	182.40	5454.85	-2231.74	176.69	2235.84	0.62	2432	2848	4646	634
7415	91.80	182.50	5453.87	-2262.70	174.37	2286.75	0.32	2463	2817	4644	636
7543	90.00	182.50	5451.86	-2390.56	168.78	2394.40	1.41	2591	2689	4639	641
7606	89.80	182.20	5451.97	-2453.50	166.20	2457.24	0.57	2654	2626	4636	644
7631	89.80	182.40	5452.06	-2478.48	165.20	2482.18	0.80	2678	2602	4635	645
7694	89.50	182.50	5452.44	-2541.43	162.50	2545.02	0.50	2741	2539	4633	647
7758	89.10	182.30	5453.23	-2605.36	159.82	2608.88	0.70	2805	2475	4630	650
7822	88.90	182.00	5454.34	-2669.31	157.42	2672.71	0.56	2869	2411	4627	653
7886	89.30	181.80	5455.35	-2733.27	155.30	2736.58	0.70	2933	2347	4625	655
7950	89.50	181.90	5456.02	-2797.23	153.24	2800.46	0.35	2997	2283	4623	657
8013	90.60	180.80	5455.96	-2860.21	151.75	2863.37	2.47	3060	2220	4622	658
8077	91.30	180.70	5454.90	-2924.20	150.91	2927.31	1.10	3124	2156	4621	659
8141	92.00	180.60	5453.06	-2988.16	150.19	2991.23	1.10	3188	2092	4620	660
8204	91.90	180.30	5450.92	-3051.13	149.69	3054.15	0.50	3251	2029	4620	660
8268	90.50	179.80	5449.58	-3115.11	149.64	3118.11	2.32	3315	1965	4620	660
8300	89.50	179.60	5449.68	-3147.11	149.81	3150.10	3.19	3347	1933	4620	660
8364	89.10	179.30	5450.36	-3211.10	150.42	3214.08	0.78	3411	1869	4620	660
8428	89.60	178.70	5451.08	-3275.09	151.54	3278.07	1.22	3475	1805	4622	658
8556	89.70	178.90	5451.87	-3403.06	154.22	3406.07	0.17	3603	1677	4624	656
8587	89.90	179.40	5451.97	-3434.05	154.68	3437.07	1.74	3634	1646	4625	655
8683	91.30	179.80	5450.97	-3530.04	155.35	3533.04	1.52	3730	1550	4625	655
8875	87.60	178.90	5452.81	-3721.99	157.53	3724.98	1.88	3922	1358	4628	652
8938	88.80	180.00	5454.79	-3784.95	158.13	3787.92	2.58	3985	1295	4628	652
9002	91.60	180.30	5454.57	-3848.94	157.98	3851.88	4.40	4049	1231	4628	652
9066	92.10	180.40	5452.50	-3912.91	157.57	3915.81	0.80	4113	1167	4628	652
9194	92.50	181.20	5447.38	-4040.79	155.79	4043.59	0.70	4241	1039	4626	654
9258	90.80	180.90	5445.52	-4104.75	154.61	4107.49	2.70	4305	975	4625	655
9289	90.40	180.90	5445.20	-4135.75	154.13	4138.46	1.28	4336	944	4624	656
9353	89.60	181.00	5445.20	-4199.74	153.07	4202.39	1.26	4400	880	4623	657
9449	89.50	180.80	5445.95	-4295.72	151.56	4298.30	0.23	4486	784	4622	658
9545	90.40	180.60	5446.03	-4391.71	150.38	4394.21	0.96	4592	688	4620	660
9640	89.10	180.60	5446.45	-4486.71	149.39	4489.14	1.37	4687	593	4619	661
9738	89.90	180.60	5447.29	-4582.70	148.38	4585.06	0.83	4783	497	4618	662
9837	89.60	180.50	5447.73	-4683.69	147.42	4685.99	0.31	4884	396	4617	663
9890	89.44	180.45	5447.96	-4738.68	146.91	4738.95	0.04	4937	343	4617	663

TD

Section 32  
33S 19W

Section 33  
33S 19W

THYME 3419 1-5H



Miss Entry: 5512'  
-99.400122 37.11845

Top Perf: 5600'  
-99.400079 37.118233

Section 5  
34S 19W

Section 4  
34S 19W

Bottom Perf: 9420'  
-99.399809 37.107759

BHL: 9892'  
-99.39981 37.106548

353' FSL  
622' FEL

Section 8  
34S 19W

Section 9  
34S 19W



Actual Bottom-Hole Location of Thyme 3419 1-5H  
Comanche County, Kansas  
T&R: 34S 19W  
Section: 5, 622' FEL & 353' FSL  
Long/Lat: -99.39981 37.106548  
1 in = 667 ft

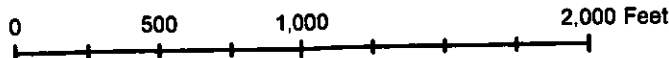


● Actual BH Location

\* SandRidge Wells

▭ Sections

----- Perf



Draftsman:

Aaron Birk

Draft Date: 1/11/2013

Drawing Name/Number:

Addendum\_Thyme\_1-5H .mxd

Coordinate System:

NAD 1927 State Plane  
Kansas South FIPS: 1502