



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1098889
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: _____



1098889

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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	Thyme 3419 1-5H
Doc ID	1098889

All Electric Logs Run

Final Boresight Depiction
Density
Induction
Horizontal PDF Final

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Thyme 3419 1-5H
Doc ID	1098889

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9420-9775	5294 bbls water, 36 bbls acid, 100M lbs sd, 5330 TLTR	
5	9007-9330	5352 bbls water, 36 bbls acid, 100M lbs sd, 10957 TLTR	
5	8582-8902	5351 bbls water, 36 bbls acid, 100M lbs sd, 16419 TLTR	
5	8160-8514	5371 bbls water, 36 bbls acid, 100M lbs sd, 21882 TLTR	
5	7729-8072	5458 bbls water, 36 bbls acid, 100M lbs sd, 27418 TLTR	
5	7310-7622	5611 bbls water, 36 bbls acid, 100M lbs sd, 33098 TLTR	
5	6882-7220	5574 bbls water, 36 bbls acid, 100M lbs sd, 38756 TLTR	
5	6452-6757	5588 bbls water, 36 bbls acid, 100M lbs sd, 44414 TLTR	
5	6026-6352	5587 bbls water, 36 bbls acid, 50058 TLTR	
5	5600-5943	5028 bbls water, 36 bbls acid, 100M lbs sd, 55171 TLTR	

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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	90	Pro Oilfield Services Cement	10	none
Surface	12.25	9.63	36	875	Halliburton Extendacem and Swiftcem Systems	445	3% Calcium Chloride, .25 lbm Poly-E-Flake
Intermediate	8.75	7	26	5910	Halliburton Econocem and Halcem Systems	280	.4% Halad(R)-9, 2 lbm Kol-Seal, 2% Bentonite
Production Liner	6.12	4.5	11.6	9890	Halliburton Econocem System	475	.4% Halad(R)-9, 2 lbm Kol-Seal, 2% Bentonite

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

January 07, 2013

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

Re: ACO1
API 15-033-21672-01-00
Thyme 3419 1-5H
NE/4 Sec.05-34S-19W
Comanche 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

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
SHL	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200	5080	4470	810
BHL	9890	89.44	180.45	5447.96	-4736.69	146.91	4738.95	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	5600	61.06	171.89	5392.69	-470.34	108.15	473.23	10.82	670	4610	4578	702
Bottom Perf	9775	89.78	180.56	5447.46	-4621.69	148.01	4624.03	0.63	4822	458	4618	662

Survey Points	NW Corner XY Coord	X	Y	Surface XY	X	Y	North Line slope	East Line slope	South Line slope	West Line slope	m
		0	5280		4470	5080	0	0	0	0	
	SW Corner XY Coord	0	0				0	0	0	0	
	NE Corner XY Coord	5280	5280				0	0	0	0	
	SE Corner XY Coord	5280	0				0	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	
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	0.26	190	5090	4470	810	
866	0.40	0.14	865.92	10.51	0.03	-10.51	0.00	189	5091	4470	810	
1024	0.40	358.90	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	
2436	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	3387.86	23.94	-4.92	-24.07	0.16	176	5104	4465	815	
3865	1.50	306.90	3864.75	31.28	-10.97	-31.58	0.20	169	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	-24.83	-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	
4628	3.50	136.90	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	4456	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	5.90	188	5092	4463	817	
4851	17.90	151.30	4845.90	3.56	-2.27	-3.62	6.56	196	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	156.30	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	10.91	385	4895	4532	748	
5263	48.50	169.20	5186.24	-207.85	67.00	209.67	6.22	408	4872	4537	743	
Top of Tangent @ 5,310'	5295	49.80	170.20	5207.17	-231.66	71.32	233.60	4.70	432	4848	4541	739
	5327	50.50	171.60	5227.67	-255.92	75.21	257.96	4.01	456	4824	4545	735
	5359	50.60	171.50	5248.01	-280.36	78.84	282.49	0.39	480	4800	4549	731
	5390	50.50	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	330.76	0.39	528	4752	4556	724
Btm of Tangent @ 5,484'	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	101.46	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	6.28	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	11.06	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	4618	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	4266	4638	642
	5953	92.00	166.50	5464.65	-844.53	175.05	849.18	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	197.96	970.53	6.65	1165	4115	4668	612
	6147	90.00	174.90	5462.23	-996.10	201.28	1001.43	6.84	1196	4084	4671	609
	6177	89.30	176.10	5462.41	-1026.01	203.64	1031.40	4.63	1226	4054	4674	606

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	605
6239	86.00	178.20	5464.87	-1087.88	206.47	1093.33	6.12	1288	3992	4676	604
6270	86.20	178.50	5466.98	-1118.80	207.36	1124.25	1.16	1319	3961	4677	603
6300	87.30	180.50	5468.68	-1148.75	207.63	1154.20	7.60	1349	3931	4678	602
6331	88.30	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	206.41	1216.09	0.72	1411	3869	4676	604
6393	88.50	180.90	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	-1302.66	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	1.67	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	1430.86	1.88	1626	3654	4673	607
6607	90.20	180.50	5474.35	-1455.64	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
6668	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	1.61	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	2045.59	3.01	2241	3039	4655	625
7257	92.60	183.10	5459.27	-2104.97	181.83	2109.30	0.99	2305	2975	4652	628
7320	91.80	182.80	5456.86	-2167.84	178.59	2172.05	1.36	2368	2912	4649	631
7384	91.80	182.40	5454.85	-2231.74	175.69	2235.84	0.62	2432	2848	4646	634
7415	91.80	182.50	5453.87	-2262.70	174.37	2266.75	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	2608.86	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	5449.58	-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	3724.96	1.98	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	157.96	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	5447.36	-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	1.29	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	4496	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
9736	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
TD 9890	89.44	180.45	5447.96	-4736.69	146.91	4738.95	0.04	4937	343	4617	663



P.O. BOX 3660
HOUMA, LA 70361-3660

Customer : SAN400

BILL TO : SANDRIDGE ENERGY
123 ROBERT S KERR AVENUE
OKLAHOMA CITY, OK 73102-8408
PHONE: (405) 753-5500 FAX: ()

Division: 0701
Delivery Ticket : 2848
Delivery Date : 10/2/2012

Ordered By :
Lease/Well : THYME #1-5H
Rig Name/Number : LARIATE 19
AFE Number :
Site Contact :

Qty	Description	Min / Standby / Usage Charge	Add Day	Unit Price	Start Date / Stop Date	Extended Line Total
1	THYME #1-5H	\$20,600.00	\$0.00	\$20,600.00	10/1/2012 / 10/1/2012	\$20,600.00
90	DRILLED 30" CONDUCTOR HOLE	\$0.00	\$0.00	\$0.00	10/1/2012 / 10/1/2012	
90	20" CONDUCTOR PIPE (.250 WALL)	\$0.00	\$0.00	\$0.00	10/1/2012 / 10/1/2012	
1	6'X6' CELLAR TINHORN WITH PROTECTIVE RING	\$0.00	\$0.00	\$0.00	10/1/2012 / 10/1/2012	
1	DRILL & INSTALL 6'X6' CELLAR TINHORN	\$0.00	\$0.00	\$0.00	10/1/2012 / 10/1/2012	
75	DRILLED 20" MOUSE HOLE (PER FOOT)	\$0.00	\$0.00	\$0.00	10/1/2012 / 10/1/2012	
75	16" CONDUCTOR PIPE (.250 WALL)	\$0.00	\$0.00	\$0.00	10/1/2012 / 10/1/2012	
1	MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE	\$0.00	\$0.00	\$0.00	10/1/2012 / 10/1/2012	
1	WELDING SERVICES FOR PIPE & LIDS	\$0.00	\$0.00	\$0.00	10/1/2012 / 10/1/2012	
1	PROVIDED EQUIPMENT & LABOR FOR DIRT REMOVAL	\$0.00	\$0.00	\$0.00	10/1/2012 / 10/1/2012	
1	PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR THE MOUSEHOLE PIPE)	\$0.00	\$0.00	\$0.00	10/1/2012 / 10/1/2012	
10	CEMENT	\$0.00	\$0.00	\$0.00	10/1/2012 / 10/1/2012	
1	8' HAY FEEDER	\$0.00	\$0.00	\$0.00	10/1/2012 / 10/1/2012	
Sub Total:		\$20,600.00	\$0.00			\$20,600.00

AFE Number: DC12339
Well Name: Thyme 1-5H
Code: 850-010
Amount: \$ 20,600.00
Co. Man: [Signature]
Co. Man Sig.: [Signature]
Notes: _____

Print Name

Signature

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2956950	Quote #:	Sales Order #: 9880677
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Mills, Tim	
Well Name: Thyme 3419	Well #: 1-5H	API/UWI #: 15-033-21672	
Field:	City (SAP): PROTECTION	County/Parish: Comanche	State: Kansas
Legal Description: Section 5 Township 34S Range 19W			
Contractor: LARIAT		Rig/Platform Name/Num: 19	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: NGUYEN, VINH		Srcv Supervisor: RODRIGUEZ, EDGAR MBU ID Emp #: 442125	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
JOHNSON, MATTHEW	4.5	525955	JOURNAGEN, MICHAEL	4.5	524224	RODRIGUEZ, EDGAR Alejandro	4.5	442125
TORRES, CLEMENTE	4.5	344233						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
10/11/2012	4.5	3						
TOTAL			Total is the sum of each column separately					

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					11 - Oct - 2012	05:00	CST
Form Type			BHST	On Location	11 - Oct - 2012	09:30	CST
Job depth MD	880. ft		Job Depth TVD	Job Started	11 - Oct - 2012	14:54	CST
Water Depth			Wk Ht Above Floor	Job Completed	11 - Oct - 2012	15:45	CST
Perforation Depth (MD)	From	To		Departed Loc	11 - Oct - 2012	17:30	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
12.25" Open Hole				12.25					600.		600.
12.25" Open Hole- Lower				12.25				600.	900.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55		900.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 9 5/8, HWE, 8.16 MIN/9.06 MA	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	9 5/8	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9 5/8	1	HES
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data

Stage/Plug #: 1

HALLIBURTON

Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water		10.00	bbl	8.33	.0	.0	.0	
2	Lead Cement	EXTENDACEM (TM) SYSTEM (452981)	285.0	sacks	12.4	2.12	11.68		11.68
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	11.676 Gal	FRESH WATER							
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	160.0	sacks	15.6	1.2	5.32		5.32
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	5.319 Gal	FRESH WATER							
4	Displacement		64.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	64	Shut In: Instant		Lost Returns		Cement Slurry	142	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	40	Actual Displacement	64	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	216
Rates									
Circulating	5	Mixing	5	Displacement	5	Avg. Job	5		
Cement Left In Pipe	Amount	47 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2956950	Quote #:	Sales Order #: 9891172
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Mills, Tim	
Well Name: Thyme 3419	Well #: 1-5H	API/UWI #: 15-033-21672	
Field:	City (SAP): PROTECTION	County/Parish: Comanche	State: Kansas
Legal Description: Section 5 Township 34S Range 19W			
Contractor: Lariat		Rig/Platform Name/Num: 19	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: NGUYEN, VINH		Srvc Supervisor: RODRIGUEZ, EDGAR MBU ID Emp #: 442125	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
GARCIA, ADAM	11	531492	NASH, JONATHAN	11	524600	RODRIGUEZ, EDGAR Alejandro	11	442125
TORRES, CLEMENTE	11	344233						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
10/16/2012	2.5	1	10/17/2012	11	2			
TOTAL			<i>Total is the sum of each column separately</i>					

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					16 - Oct - 2012	16:30	CST
Form Type			BHST	On Location	16 - Oct - 2012	21:30	CST
Job depth MD	5940. ft		Job Depth TVD	5450. ft	Job Started	17 - Oct - 2012	09:06
Water Depth			Wk Ht Above Floor	5. ft	Job Completed	17 - Oct - 2012	10:16
Perforation Depth (MD)	From		To		Departed Loc	17 - Oct - 2012	11:45

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
8.75" Open Hole				8.75				900.	5891.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5891.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	900.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP,7,HWE,5.66 MIN/6.54 MAX CS	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	7	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	7	1	HES
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Rig Supplied Gel Spacer		30.00	bbl	8.33	.0	.0	.0	
2	Lead Cement	ECONOCEM (TM) SYSTEM (452992)	180.0	sacks	13.6	1.54	7.36		7.36
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.356 Gal	FRESH WATER							
3	Tail Cement	HALCEM (TM) SYSTEM (452986)	100.0	sacks	15.6	1.18	5.2		5.2
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	5.197 Gal	FRESH WATER							
4	Displacement (TBC)		223.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	223	Shut In: Instant		Lost Returns		Cement Slurry	70	Pad	
Top Of Cement	3445.13	5 Min		Cement Returns		Actual Displacement	223	Treatment	
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job	323
Rates									
Circulating	5	Mixing	5	Displacement	6	Avg. Job	5		
Cement Left In Pipe	Amount	83.73 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2956950	Quote #:	Sales Order #: 9907542
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Mills, Tim	
Well Name: Thyme 3419	Well #: 1-5H	API/UWI #: 15-033-21672	
Field:	City (SAP): PROTECTION	County/Parish: Comanche	State: Kansas
Legal Description: Section 5 Township 34S Range 19W			
Contractor: Lariat		Rig/Platform Name/Num: 19	
Job Purpose: Cement Production Liner			
Well Type: Development Well		Job Type: Cement Production Liner	
Sales Person: NGUYEN, VINH		Srvc Supervisor: CARRILLO, EDUARDO	MBU ID Emp #: 371263

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ARELLANO, JOSE L	6.5	480847	CARRILLO, EDUARDO Carrillo	7	371263	LUNA, JOSE A	7	480456
MURGADO, MIGUEL	6.5	284594						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10744298C	100 mile	10784078	100 mile	10988832	100 mile	11133699	100 mile
11150262	100 mile	11515116	100 mile	11515200	100 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
10-25-2012	7	2						

TOTAL Total is the sum of each column separately

Job				Job Times			
Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
	9890. ft			On Location	25 - Oct - 2012	12:30	CST
				Job Started	25 - Oct - 2012	18:01	CST
				Job Completed	25 - Oct - 2012	19:41	GMT
				Departed Loc	25 - Oct - 2012	21:00	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
6.125" Open Hole				6.125				5891.	9823.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	P-110	5487.	9823.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5891.		
4" Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	5487.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data

Stage/Plug #: 1

HALLIBURTON

Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Rig Supplied Gel Spacer		30.00	bbl	8.5	.0	.0	.0	
2	Primary Cement	ECONOCEM (TM) SYSTEM (452992)	475.0	sacks	13.6	1.54	7.36		7.36
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.356 Gal	FRESH WATER							
3	Displacement/TB C		126.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	101	Shut In: Instant		Lost Returns	0	Cement Slurry	130	Pad	
Top Of Cement	3482	5 Min		Cement Returns	0	Actual Displacement	101	Treatment	
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job	261
Rates									
Circulating	5	Mixing	5	Displacement	4.5	Avg. Job	5		
Cement Left In Pipe	Amount	80 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature					

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

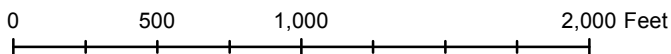


● Actual BH Location

* 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

Tiffany Golay 01/24/013 08:56 am	The Additional Fluid Mgmt Info remark below is incorrect. The water that was hauled was fresh water/ not waste water.
Tiffany Golay 01/22/013 09:53 am	Additional Fluid Mgmt Info: Q-MAX Dewatering System used; 1400 bbls hauled by S&B Transprot to the Anita 3420 1-12H reserve pit, Comanche County, KS
Tiffany Golay 01/08/013 11:47 am	Conductor weight- 94 lbs/ft