





1093655

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Larry 3119 2-30H
Doc ID	1093655

All Electric Logs Run

Final Boresight Depiction
5 in MD Horiz. Final
Induction
Porosity

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Larry 3119 2-30H
Doc ID	1093655

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9073-9370	4277 bbls of water, 36 bbls acid, 75M lbs sand, 4313 TLTR	
5	8703-9001	4266 bbls of water, 36 bbls acid, 75M lbs sand, 8726 TLTR	
5	8342-8632	4203bbls of water, 36 bbls acid, 75M lbs sand, 13092 TLTR	
5	7955-8254	4171 bbls of water, 36 bbls acid, 75M lbs sand, 17377 TLTR	
5	7596-7893	4220 bbls of water, 36 bbls acid, 75M lbs sand, 21704 TLTR	
5	7240-7512	4199 bbls of water, 36 bbls acid, 75M lbs sand, 26004 TLTR	
5	6858-7142	4217 bbls of water, 36 bbls acid, 75M lbs sand, 30315 TLTR	
5	6488-6786	4407 bbls of water, 36 bbls acid, 75M lbs sand, 34804 TLTR	
5	6130-6410	4379 bbls of water, 36 bbls acid, 75M lbs sand, 39256 TLTR	
5	5824-6057	4190 bbls water, 36 bbls acid, 75M lbs sand, 43502 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	111	Koda Services Grout	0	none
Surface	12.25	9.63	36	1007	Halliburton Extendacem and Swiftcem Systems	445	3% Calcium Chloride, .25 lbm Poly-E-Flake
Intermediate	8.75	7	26	5714	Halliburton Econocem and Halcem Systems	300	.4% halad(R)-9, 2 lbm Kol-Seal, 2% Bentonite
Liner	6.12	4.5	11.6	9485	Halliburton Econocem System	450	.4% Halad(R)-9, 2 lbm Kol-Seal, 2% Bentontite

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

September 14, 2012

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

Re: ACO1  
API 15-033-21665-01-00  
Larry 3119 2-30H  
SE/4 Sec.30-31S-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	5039	200	3103	1980
BHL	9485	94.55	-323.55	5215.98	4708.64	-23.50	4708.70	3.44	330	4909	3021	1985
Miss Entry	5517	74.10	0.34	5211.75	744.76	-2.61	744.77	13.72	4294	945	3092	1980
Top Perf	5824	90.16	2.08	5239.11	1049.09	2.83	1049.07	2.23	3990	1249	3093	1973
Bottom Perf	9370	91.68	359.49	5220.87	4593.75	-22.99	4593.81	1.74	445	4794	3023	1985

Survey Points	NW Corner XY Coord	X	Y	Surface XY	X	Y	m		
							North Line slope	East Line slope	South Line slope
		1727854	240479				-0.0126		
	SW Corner XY Coord	1727788	235201		1730894	235402	-0.0040276		
	NE Corner XY Coord	1732854	240416				0.0001966		
	SE Corner XY Coord	1732875	235202				0.0125047		

	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	5039	200	3103	1980
	220	0.80	0.15	219.99	1.54	0.00	1.54	0.36	5037	202	3103	1980
	443	1.30	0.16	442.95	5.62	0.02	5.62	0.22	5033	206	3103	1980
	746	1.30	0.16	745.88	12.50	0.03	12.50	0.00	5026	213	3103	1980
	1011	0.90	0.15	1010.83	17.58	0.05	17.58	0.15	5021	218	3103	1980
	1209	0.90	294.70	1208.81	19.79	-1.36	19.79	0.49	5019	220	3102	1981
	1678	0.40	25.10	1677.78	22.81	-4.01	22.83	0.21	5016	223	3099	1984
	2155	0.30	11.10	2154.78	25.54	-3.07	25.56	0.03	5013	226	3100	1983
	2631	0.90	6.50	2630.75	30.48	-2.40	30.49	0.13	5008	231	3101	1982
	3108	0.70	352.90	3107.70	37.09	-2.34	37.10	0.06	5002	237	3101	1982
	3585	0.70	3.50	3584.67	42.89	-2.52	42.90	0.03	4996	243	3100	1983
	4061	0.90	13.50	4060.62	49.43	-1.47	49.44	0.05	4989	250	3101	1981
	4252	0.20	112.00	4251.61	50.77	-0.81	50.77	0.50	4988	251	3102	1981
	4283	0.10	159.70	4282.61	50.72	-0.75	50.72	0.49	4988	251	3102	1981
	4314	0.70	35.10	4313.61	50.85	-0.63	50.85	2.46	4988	251	3102	1981
	4346	2.70	17.30	4345.60	51.73	-0.30	51.73	6.39	4987	252	3103	1980
	4378	5.80	12.90	4377.50	54.02	0.29	54.02	9.73	4985	254	3103	1980
	4409	8.10	8.50	4408.27	57.71	0.96	57.71	7.61	4981	258	3104	1979
	4441	10.00	4.20	4439.87	62.71	1.50	62.71	6.30	4976	263	3104	1978
	4473	10.30	0.80	4471.37	68.34	1.74	68.34	2.09	4970	269	3104	1978
	4504	10.90	2.10	4501.84	74.05	1.89	74.04	2.08	4965	274	3104	1978
	4536	12.90	1.80	4533.16	80.64	2.11	80.63	6.25	4958	281	3105	1978
	4568	17.00	2.50	4564.07	88.89	2.43	88.88	12.82	4950	289	3105	1977
	4600	20.80	3.10	4594.33	99.24	2.94	99.22	11.89	4939	300	3105	1977
	4632	23.60	3.50	4623.96	111.31	3.64	111.29	8.76	4927	312	3106	1976
	4664	25.90	3.50	4653.02	124.68	4.45	124.66	7.19	4914	325	3106	1975
	4695	27.60	2.60	4680.70	138.61	5.19	138.59	5.64	4900	339	3107	1974
	4727	29.30	1.70	4708.83	153.84	5.76	153.82	5.48	4885	354	3107	1974
	4759	32.10	0.70	4736.35	170.18	6.10	170.15	8.89	4868	371	3107	1973
	4790	34.10	0.00	4762.32	187.10	6.20	187.08	6.57	4852	387	3107	1973
	4822	35.90	0.10	4788.53	205.46	6.22	205.43	5.63	4833	406	3107	1973
	4854	38.10	359.80	4814.08	224.71	6.20	224.69	6.90	4814	425	3107	1973
	4886	39.20	0.30	4839.07	244.70	6.22	244.67	3.57	4794	445	3107	1973
	4917	39.30	0.00	4863.08	264.31	6.27	264.29	0.69	4774	465	3106	1973
	4949	41.40	0.00	4887.46	285.03	6.27	285.00	6.56	4754	485	3106	1973
	4981	45.20	0.00	4910.75	306.97	6.27	306.94	11.88	4732	507	3106	1973
	5013	47.40	358.60	4932.86	330.10	5.98	330.08	7.57	4709	530	3105	1973
	5044	48.50	357.60	4953.62	353.11	5.21	353.09	4.28	4686	553	3104	1974
	5076	50.20	358.30	4974.47	377.37	4.35	377.35	5.57	4661	578	3103	1974
<b>Top of Tangent @ 5080'</b>	5108	50.70	357.60	4994.84	402.03	3.46	402.01	2.30	4637	602	3102	1975
	5140	50.70	357.20	5015.11	426.77	2.34	426.75	0.97	4612	627	3100	1976
	5171	51.10	357.10	5034.66	450.79	1.14	450.79	1.31	4588	651	3099	1977
	5203	51.20	356.90	5054.73	475.68	-0.16	475.68	0.58	4563	676	3097	1978
<b>Btm of Tangent @ 5280'</b>	5235	51.20	356.40	5074.78	500.58	-1.62	500.58	1.22	4538	701	3096	1980
	5267	51.60	357.10	5094.75	525.55	-3.03	525.55	2.12	4513	726	3094	1981
	5298	53.80	357.90	5113.53	550.18	-4.11	550.19	7.39	4489	751	3092	1982
	5330	56.70	359.00	5131.77	576.46	-4.81	576.47	9.49	4462	777	3091	1983
	5362	59.60	360.00	5148.66	603.64	-5.05	603.65	9.44	4435	804	3091	1983
	5393	62.10	1.00	5163.76	630.71	-4.81	630.72	8.54	4408	831	3091	1982
	5425	64.10	1.00	5178.23	659.24	-4.31	659.25	6.25	4380	860	3091	1982
	5457	66.60	1.20	5191.58	688.31	-3.75	688.32	7.83	4350	889	3091	1981
	5489	70.40	1.60	5203.30	718.07	-3.02	718.08	11.93	4321	918	3091	1980
	5520	74.50	0.20	5212.65	747.62	-2.56	747.62	13.91	4291	948	3092	1980
	5552	77.90	359.90	5220.28	778.69	-2.54	778.70	10.66	4260	979	3091	1980
	5584	79.60	359.20	5226.53	810.07	-2.78	810.08	5.73	4229	1010	3091	1980
	5616	80.60	359.80	5232.03	841.60	-3.06	841.60	3.63	4197	1042	3090	1980
	5647	83.60	0.70	5236.29	872.30	-2.92	872.30	10.10	4166	1073	3090	1980
	5679	87.90	1.50	5238.66	904.20	-2.31	904.20	13.67	4135	1105	3090	1979
	5744	90.30	2.20	5239.68	969.15	-0.21	969.14	3.85	4070	1170	3091	1977
	5775	90.40	2.20	5239.49	1000.13	0.98	1000.11	0.32	4039	1201	3092	1975
	5806	90.70	2.20	5239.19	1031.10	2.17	1031.08	0.97	4008	1231	3093	1974
	5836	89.80	2.00	5239.06	1061.08	3.27	1061.06	3.07	3978	1261	3093	1973
	5867	88.20	1.30	5239.60	1092.06	4.16	1092.04	5.63	3947	1292	3094	1972

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
5898	87.90	1.20	5240.66	1123.04	4.84	1123.01	1.02	3916	1323	3094	1971
5929	88.00	0.80	5241.77	1154.01	5.38	1153.98	1.33	3885	1354	3094	1970
5960	88.30	0.60	5242.77	1184.99	5.75	1184.96	1.16	3854	1385	3094	1970
5990	88.20	0.70	5243.68	1214.98	6.10	1214.94	0.47	3824	1415	3094	1969
6021	88.10	1.00	5244.68	1245.96	6.55	1245.92	1.02	3793	1446	3094	1969
6052	88.10	1.00	5245.71	1276.94	7.10	1276.90	0.00	3762	1477	3095	1968
6083	88.80	0.40	5246.55	1307.92	7.47	1307.88	2.97	3731	1508	3095	1967
6113	89.50	0.10	5247.00	1337.92	7.60	1337.88	2.54	3701	1538	3094	1967
6144	89.50	359.90	5247.27	1368.92	7.60	1368.88	0.65	3670	1569	3094	1967
6175	89.30	359.40	5247.59	1399.91	7.42	1399.87	1.74	3639	1600	3093	1967
6206	88.70	358.70	5248.13	1430.91	6.90	1430.87	2.97	3608	1631	3092	1968
6237	88.60	358.70	5248.86	1461.89	6.20	1461.85	0.32	3577	1662	3091	1968
6267	89.50	359.00	5249.36	1491.88	5.60	1491.84	3.16	3547	1692	3090	1969
6298	90.70	359.40	5249.31	1522.87	5.16	1522.84	4.08	3516	1723	3090	1969
6329	91.40	359.50	5248.74	1553.87	4.87	1553.84	2.28	3485	1754	3089	1969
6360	91.50	359.40	5247.95	1584.86	4.57	1584.83	0.46	3454	1785	3088	1969
6391	90.80	359.20	5247.33	1615.85	4.19	1615.82	2.35	3423	1816	3087	1969
6421	90.70	359.10	5246.94	1645.84	3.75	1645.81	0.47	3393	1846	3087	1970
6452	90.20	359.20	5246.69	1676.84	3.29	1676.81	1.64	3362	1877	3086	1970
6483	90.30	358.90	5246.56	1707.83	2.77	1707.81	1.02	3331	1908	3085	1971
6514	90.40	359.00	5246.37	1738.83	2.20	1738.80	0.46	3300	1939	3084	1971
6545	89.00	359.10	5246.53	1769.82	1.69	1769.80	4.53	3269	1970	3083	1971
6575	88.70	359.10	5247.13	1799.81	1.22	1799.79	1.00	3239	2000	3082	1972
6606	88.70	359.10	5247.84	1830.80	0.73	1830.78	0.00	3208	2031	3081	1972
6637	88.00	358.50	5248.73	1861.78	0.08	1861.76	2.97	3177	2062	3080	1973
6668	88.20	358.50	5249.76	1892.75	-0.73	1892.74	0.65	3146	2093	3079	1973
6700	89.10	359.00	5250.51	1924.74	-1.43	1924.73	3.22	3114	2125	3078	1974
6732	89.50	359.60	5250.90	1956.73	-1.82	1956.72	2.25	3082	2157	3077	1974
6763	89.50	359.30	5251.17	1987.73	-2.11	1987.72	0.97	3051	2188	3077	1974
6795	90.00	359.20	5251.31	2019.72	-2.53	2019.72	1.59	3019	2220	3076	1975
6859	91.40	359.70	5250.53	2083.71	-3.15	2083.71	2.32	2955	2284	3074	1975
6955	92.20	359.80	5247.52	2179.67	-3.57	2179.66	0.84	2859	2380	3073	1975
7019	91.60	359.80	5245.39	2243.63	-3.79	2243.63	0.94	2795	2444	3072	1975
7082	90.80	359.60	5244.07	2306.61	-4.12	2306.61	1.31	2732	2507	3071	1975
7146	89.80	359.30	5243.74	2370.61	-4.73	2370.61	1.63	2668	2571	3069	1975
7210	90.10	359.10	5243.79	2434.60	-5.63	2434.61	0.56	2604	2635	3067	1976
7242	90.40	359.10	5243.66	2466.60	-6.13	2466.60	0.94	2572	2667	3067	1976
7338	90.70	359.00	5242.73	2562.58	-7.72	2562.59	0.33	2476	2763	3064	1978
7433	90.70	359.10	5241.57	2657.56	-9.30	2657.58	0.11	2381	2858	3061	1979
7529	90.90	358.60	5240.23	2753.53	-11.22	2753.56	0.56	2285	2954	3058	1980
7624	91.90	358.70	5237.91	2848.48	-13.46	2848.51	1.06	2190	3049	3054	1982
7688	90.20	358.90	5236.74	2912.45	-14.80	2912.49	2.67	2126	3113	3052	1983
7752	90.20	359.50	5236.52	2976.44	-15.69	2976.48	0.94	2062	3177	3051	1984
7816	89.30	359.60	5236.79	3040.44	-16.20	3040.48	1.41	1998	3241	3049	1984
7912	89.20	0.00	5238.05	3136.43	-16.53	3136.47	0.43	1902	3337	3048	1984
8007	90.80	0.60	5238.05	3231.43	-16.03	3231.46	1.80	1807	3432	3047	1983
8103	91.40	0.50	5236.21	3327.40	-15.11	3327.44	0.63	1711	3528	3047	1982
8198	93.80	0.50	5231.90	3422.29	-14.29	3422.32	2.53	1617	3623	3046	1981
8262	91.80	360.00	5228.77	3486.21	-14.01	3486.24	3.22	1553	3687	3046	1980
8326	88.40	0.30	5228.66	3550.20	-13.84	3550.23	5.33	1489	3751	3045	1980
8390	88.70	359.30	5230.28	3614.18	-14.06	3614.21	1.63	1425	3815	3044	1980
8453	88.80	359.00	5231.66	3677.16	-15.00	3677.19	0.50	1362	3878	3043	1980
8517	89.80	358.80	5232.44	3741.14	-16.23	3741.18	1.59	1298	3942	3040	1981
8607	87.80	358.50	5234.32	3831.09	-18.35	3831.14	2.25	1208	4031	3037	1983
8638	89.10	358.00	5235.16	3862.07	-19.29	3862.11	4.49	1177	4062	3036	1984
8701	89.80	358.50	5235.77	3925.03	-21.22	3925.09	1.37	1114	4125	3033	1986
8765	90.10	359.10	5235.82	3989.02	-22.56	3989.08	1.05	1050	4189	3031	1987
8829	91.20	359.50	5235.09	4053.01	-23.34	4053.07	1.83	986	4253	3029	1987
8893	91.80	0.10	5233.42	4116.99	-23.56	4117.05	1.33	922	4317	3028	1987



# Koda Services, Inc.

# INVOICE

Conductor and Rat Hole Drilling, Landfill Gas Drilling and Well Construction Nationwide

Date	Invoice #
8/28/2012	10074

Bill To
Sandridge Energy Accounts Payable P O Box 1748 Oklahoma City, OK 73102

Legal Description	Ordered By	Terms	Field Ticket	Lease Name	Drill Rig
	John Fortune	Net 30	7595	Larry 3119-2-30H	Lariat 19

Item	Quantity	Description
Conductor	130	Drilled 130' of 32" hole for conductor
20" Pipe	130	Furnished 130' of 20" conductor pipe
Ream Hole		Ream Hole
72" X 6'	1	Furnished 6' X 6' tinhorn
Dirt Removal		Provided Labor and Equipment for dirt removal and cleanup
Mud/Water		Furnished Mud, Water, & Trucking
Welder		Welder
Grout		Furnished grout
Deliver Grout		Deliver grout to location
Equipment		Furnished Grout Pump & Flush
Mouse	80	Drilled 80' of 26" Mouse hole
16" pipe	80	Furnished 80' of 16" Mouse Hole Pipe
Cover Plate		Cover Plate

AFE Number: DC 12152  
 Well Name: LARRY 2-30H  
 Code: 850 610  
 Amount: 77,500.29  
 Co. Man: Mick  
 Co. Man Sig: [Signature]  
 Notes: \_\_\_\_\_

Thank you for your business.	<b>Subtotal</b>	\$26,775.00
	<b>Sales Tax (6.3%)</b>	\$725.29
	<b>Total</b>	\$27,500.29

# HALLIBURTON

# Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2948449	Quote #:	Sales Order #: 9778159
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: TOWERY, MARK	
Well Name: Larry 3119	Well #: 2-30H	API/UWI #: 15-033-21665	
Field:	City (SAP): COLDWATER	County/Parish: Comanche	State: Kansas
Legal Description: Section 30 Township 31S 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		Srvc Supervisor: KLAUSE, JOHN	MBU ID Emp #: 456246

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
KLAUSE, JOHN David	14	456246	WIFA, HENRY Neniebari	14	491916			

### 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
TOTAL			Total is the sum of each column separately					

### Job

### Job Times

Formation Name	Date	Time	Time Zone
Formation Depth (MD) Top Bottom	Called Out	8-29	1500
Form Type BHST	On Location	8-29	2230
Job depth MD 1000. m Job Depth TVD 1000. m	Job Started	8-30	0830
Water Depth Wk Ht Above Floor	Job Completed	8-30	1030 GMT
Perforation Depth (MD) From To	Departed Loc	8-30	1230

### Well Data

Description	New / Used	Max pressure MPa	Size mm	ID mm	Weight kg/m	Thread	Grade	Top MD m	Bottom MD m	Top TVD m	Bottom TVD m
12.25" Open Hole				12.25					700.		
12.25" Open Hole- Lower				12.25				700.	1000.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55		1000.		

### Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA		
SUGAR - GRANULATED	100	LB		

### 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
-----------------

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density kg/m3	Yield m3/sk	Mix Fluid m3/tonne	Rate m3/min	Total Mix Fluid m3/tonne
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 (TBC)		75.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures		Volumes					
Displacement	75	Shut In: Instant	1082	Lost Returns	0	Cement Slurry	108/75	Pad	
Top Of Cement	SURFACE	5 Min	X	Cement Returns	25	Actual Displacement	75	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	
Rates									
Circulating	5	Mixing	6	Displacement	6	Avg. Job	6		
Cement Left In Pipe	Amount	42 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature					

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2948449	Quote #:	Sales Order #: 9792463
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Towery, Mark	
Well Name: Larry 3119	Well #: 2-30H	API/UWI #: 15-033-21665	
Field:	City (SAP): COLDWATER	County/Parish: Comanche	State: Kansas
Legal Description: Section 30 Township 31S 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: VILLANUEVA, EDUARDO	MBU ID Emp #: 341956

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
NORTON, BRUCE Wayne	14	499926	TORRES, CLEMENTE	14	344233	VILLANUEVA, EDUARDO	14	341956

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11706682	100	10240236	100	10804587	100		

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
9-6-2012	10	5						

TOTAL Total is the sum of each column separately

### Job

### Job Times

Formation Name	Formation Depth (MD) Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD) From	To	Date	Time	Time Zone
			BHST	5600. ft	5236. ft				05 - Sep - 2012	17:30	CST
									05 - Sep - 2012	23:30	CST
									06 - Sep - 2012	06:00	CST
									06 - Sep - 2012	08:00	CST
									06 - Sep - 2012	10:00	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
8.75" Open Hole				8.75				1000.	5601.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5600.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	1000.		

### Sales/Rental/3<sup>rd</sup> 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			
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
-----------------

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /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)	200.0	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	1.19	5.08		5.08
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	5.076 Gal	FRESH WATER							
4	Displacement (TBC)		215.00	bbl	8.33	.0	.0	.0	
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement	215	Shut In: Instant		Lost Returns	NO	Cement Slurry	75	Pad	
Top Of Cement	3100	5 Min		Cement Returns		Actual Displacement	215	Treatment	
Frac Gradient		15 Min		Spacers	25	Load and Breakdown		Total Job	
<b>Rates</b>									
Circulating	5	Mixing	5	Displacement	5	Avg. Job			
Cement Left In Pipe	Amount	42 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature					

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2948449	Quote #:	Sales Order #: 9811682
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Towery, Mark	
Well Name: Larry 3119	Well #: 2-30H	API/UWI #: 15-033-21665	
Field:	City (SAP): COLDWATER	County/Parish: Comanche	State: Kansas
Legal Description: Section 30 Township 31S 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: AGUILERA, FABIAN	MBU ID Emp #: 442123

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
AGUILERA, FABIAN J	6	442123	HEIDT, JAMES Nicholas	6	517102	JOHNSON, ROBERT Pierce	6	525965
MARTINEZ, RUDY	6	512317						

### 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
9/14/2012	6	1.25						
TOTAL			Total is the sum of each column separately					

Job				Job Times			
Formation Name	Top	Bottom		Date	Time	Time Zone	
Formation Depth (MD)			Called Out	14 - Sep - 2012	01:00	CST	
Form Type		BHST	On Location	14 - Sep - 2012	07:45	CST	
Job depth MD	9506. ft	Job Depth TVD	Job Started	14 - Sep - 2012	09:37	CST	
Water Depth		Wk Ht Above Floor	Job Completed	14 - Sep - 2012	10:56	CST	
Perforation Depth (MD)	From	To	Departed Loc	14 - Sep - 2012	14:00	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				5714.	9557.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	P-110	5196.	9556.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5714.		
4" Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	5196.		

### 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	

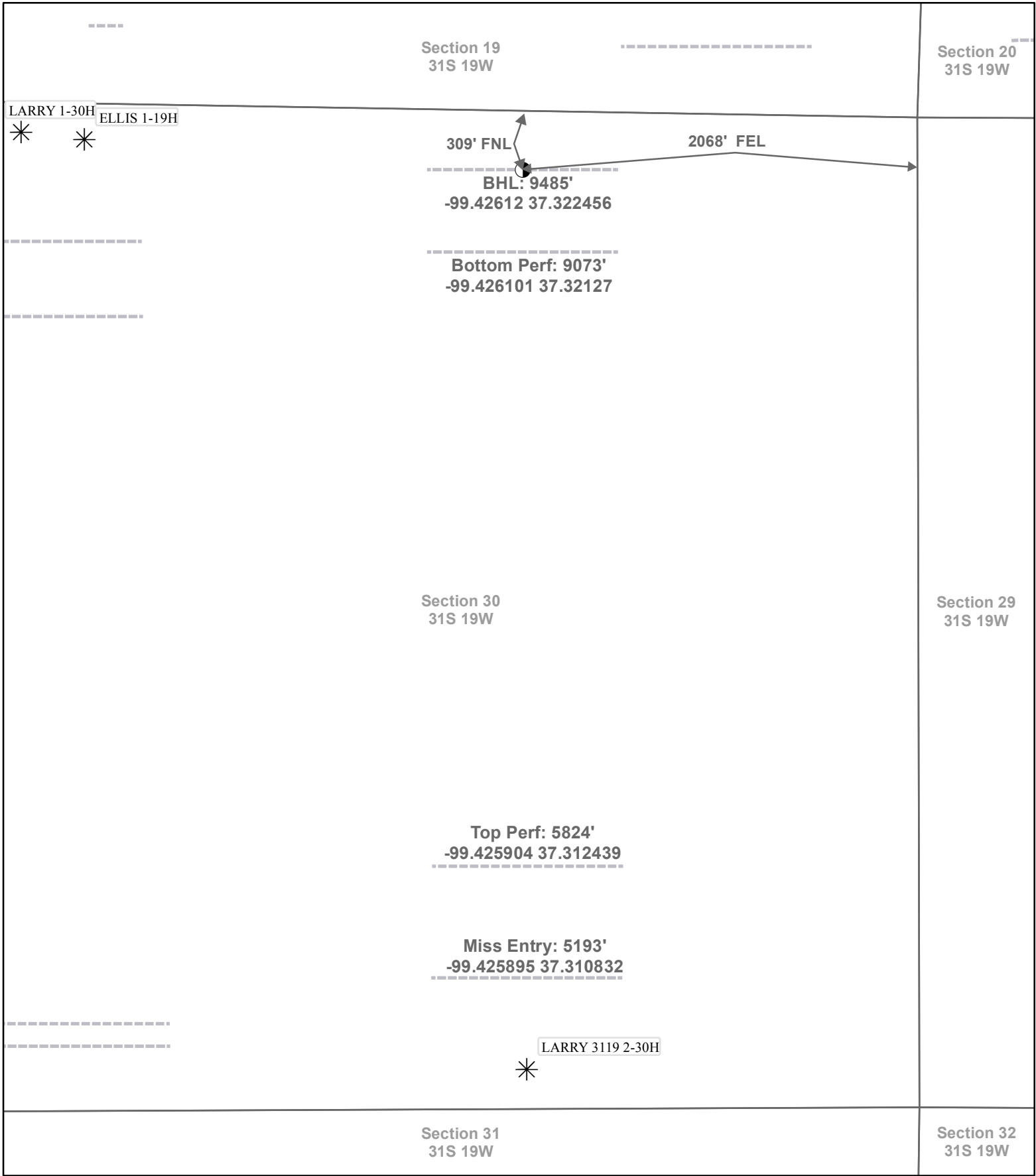
### Fluid Data

Stage/Plug #: 1

# HALLIBURTON

## Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /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)	450.0	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 (TBC)		98.00	bbl	8.33	.0	.0	.0	
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement	98 BBL	Shut In: Instant		Lost Returns	0	Cement Slurry	123 BBL	Pad	
Top Of Cement	5417 FT	5 Min		Cement Returns	0	Actual Displacement	98 BBL	Treatment	
Frac Gradient		15 Min		Spacers	30 BBL	Load and Breakdown		Total Job	
<b>Rates</b>									
Circulating	3	Mixing	5	Displacement	5	Avg. Job	4		
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		
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature					



**SANDRIDGE**  
THE POWER OF US™

● Actual BH Location

\* SandRidge Wells

--- Perf

□ Sections

**Actual Bottom-Hole Location of Larry 3119 2-30H**  
Comanche County, Kansas  
T&R: 31S 19W  
Section: 30, 2068' FEL & 309' FNL  
Long/Lat: -99.42612 37.322456

1 in = 667 ft

0 500 1,000 2,000 Feet

Draftsman: Aaron Birk

Draft Date: 11/20/2012

Drawing Name/Number:  
Addendum\_Larry\_2-30H .mxd

Coordinate System:  
NAD 1927 State Plane  
Kansas South FIPS: 1502



Logo

Back to Well Completion

# Larry 3119 2-30H (1093655)

**Actions**

View PDF
Delete
Edit
Certify & Submit
Request Confidentiality

**Attachments**

Two Year Confidentiality OPERATOR	View PDF Delete
Directional Survey OPERATOR	View PDF Delete
Cement Reports OPERATOR	View PDF Delete
As Drilled Plat OPERATOR	View PDF Delete

[Add Attachment](#)

**Remarks**

Remarks to KCC
----------------

[Add Remark](#)

**Remarks**

Tiffany Golay 12/07/012 11:19 am	Additional Fluid Mgmt Info: 1540 bbls hauled to Guard, Inc., 23-22N-13W, Major, OK
Tiffany Golay 11/20/012 09:49 am	Conductor weight= 94 lbs/ft