

1263809



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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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MWD SURVEYS

Customer: Tapstone Energy
Well: Ivan 22-34-9 1H
Field/Block: Corwin Southeast
Co./Parish: Harper
State: Kansas

PGS Job #: LKS6118715
MWD Operator: Jeffery Treille
Directional Driller: Jared Gooch
Date of First Survey: August 7, 2015
Date of Last Survey: August 19, 2015



Total Correction: 4.05 East Grid

Vertical Section Plane: 2.363 Nominal Dip Angle: 65.27 Magnetic Field Strength: .517

Measured Depth	Inc.	Azm.	T.V.D.	Ver. Sect.	Coordinates			Closure			Temp (°F)	Vib/Shk Color	Date	Time	Flow Rate	
					+N / -S	+E / -W		Dist.	Angle	DLS						Mtr Yield
Survey's are tied into: Assume vertical at casing shoe @ 794'													Date Received: 08/07/15			
Company: NA																
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
1	894	0.3	17.3	894.00	2.26	2.23	0.70	2.34	17.30	0.03	0.00	99 °F	Green	08/07/15	18:48	570 (gpm)
2	1,084	0.6	16.5	1083.99	3.71	3.66	1.13	3.83	17.09	0.16	0.00	104 °F	Green	08/07/15	20:08	570 (gpm)
3	1,273	0.8	14.3	1272.98	5.96	5.89	1.73	6.14	16.40	0.11	0.00	108 °F	Green	08/07/15	21:38	570 (gpm)
4	1,463	0.7	19.3	1462.96	8.37	8.27	2.44	8.63	16.47	0.06	0.00	115 °F	Green	08/08/15	0:00	570 (gpm)
5	1,651	1.1	111.1	1650.94	8.88	8.71	4.51	9.80	27.38	0.70	0.00	122 °F	Yellow	08/08/15	2:34	570 (gpm)
6	1,839	0.8	105.8	1838.92	8.00	7.70	7.45	10.72	44.08	0.17	0.00	126 °F	Green	08/08/15	4:57	570 (gpm)
7	2,028	0.7	101.0	2027.90	7.52	7.12	9.86	12.16	54.16	0.06	0.00	127 °F	Green	08/08/15	7:35	570 (gpm)
8	2,214	1.1	179.2	2213.88	5.57	5.12	11.00	12.13	65.05	0.63	0.00	129 °F	Yellow	08/08/15	9:45	570 (gpm)
9	2,403	1.0	168.2	2402.85	2.16	1.69	11.36	11.48	81.54	0.12	0.00	131 °F	Yellow	08/08/15	12:15	570 (gpm)
10	2,591	1.5	165.0	2590.81	-1.78	-2.29	12.33	12.54	100.54	0.27	0.00	129 °F	Green	08/08/15	14:30	570 (gpm)
11	2,782	1.5	156.0	2781.74	-6.41	-6.99	14.00	15.65	116.55	0.12	0.00	133 °F	Yellow	08/08/15	17:25	570 (gpm)
12	2,970	1.6	155.7	2969.67	-10.96	-11.63	16.08	19.84	125.89	0.05	0.00	100 °F	Green	08/08/15	22:21	570 (gpm)
13	3,157	1.1	145.5	3156.62	-14.73	-15.49	18.17	23.88	130.45	0.30	0.00	104 °F	Green	08/09/15	0:14	570 (gpm)
14	3,345	1.1	137.5	3344.59	-17.45	-18.31	20.41	27.42	131.89	0.08	0.00	113 °F	Green	08/09/15	2:06	570 (gpm)
15	3,532	0.3	112.7	3531.57	-18.89	-19.82	22.07	29.67	131.92	0.45	0.00	122 °F	Green	08/09/15	4:19	570 (gpm)
16	3,722	0.6	114.3	3721.56	-19.44	-20.42	23.44	31.09	131.07	0.16	0.00	126 °F	Green	08/09/15	5:57	570 (gpm)
17	3,816	1.0	93.7	3815.56	-19.64	-20.68	24.71	32.22	129.93	0.52	0.00	127 °F	Green	08/09/15	7:00	570 (gpm)
18	3,878	3.7	4.1	3877.51	-17.65	-18.72	25.39	31.54	126.40	6.17	16.60	126 °F	Green	08/09/15	8:15	570 (gpm)
19	3,910	7.8	0.4	3909.34	-14.45	-15.51	25.48	29.83	121.34	12.86	12.80	126 °F	Yellow	08/09/15	9:00	430 (gpm)
20	3,941	10.7	359.7	3939.94	-9.47	-10.53	25.48	27.57	112.46	9.36	12.60	126 °F	Green	08/09/15	9:40	430 (gpm)
21	3,972	13.1	359.0	3970.27	-3.09	-4.14	25.40	25.74	99.26	7.76	15.00	126 °F	Green	08/09/15	10:20	430 (gpm)
22	4,003	15.1	359.8	4000.33	4.45	3.41	25.33	25.56	82.33	6.48	12.50	126 °F	Green	08/09/15	11:05	430 (gpm)
23	4,034	17.1	2.0	4030.11	13.04	12.00	25.47	28.16	64.77	6.74	14.90	126 °F	Green	08/09/15	11:45	430 (gpm)
24	4,066	19.0	359.8	4060.54	22.95	21.92	25.62	33.71	49.45	6.31	12.60	124 °F	Green	08/09/15	12:25	430 (gpm)
25	4,097	20.8	358.4	4089.69	33.49	32.47	25.45	41.25	38.09	6.01	15.50	124 °F	Green	08/09/15	13:15	430 (gpm)
26	4,129	22.8	358.3	4119.40	45.34	44.34	25.10	50.96	29.51	6.25	14.20	124 °F	Yellow	08/09/15	14:15	520 (gpm)

MWD SURVEYS

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Well: Ivan 22-34-9 1H
Field/Block: Corwin Southeast
Co./Parish: Harper
State: Kansas

PGS Job #: LKS6118715
MWD Operator: Jeffery Treille
Directional Driller: Jared Gooch
Date of First Survey: August 7, 2015
Date of Last Survey: August 19, 2015



Total Correction: 4.05 East Grid

Vertical Section Plane: 2.363 Nominal Dip Angle: 65.27 Magnetic Field Strength: .517

Measured Depth	Inc.	Azm.	T.V.D.	Ver. Sect.	Coordinates			Closure			Mtr Yield	Temp (°F)	Vib/Shk Color	Date	Time	Flow Rate
					+N / -S	+E / -W	Dist.	Angle	DLS							
27	4,160	25.1	358.6	4147.73	57.89	56.92	24.76	62.08	23.51	7.43	16.40	126 °F	Yellow	08/09/15	15:20	520 (gpm)
28	4,190	27.9	359.7	4174.57	71.26	70.30	24.57	74.48	19.27	9.48	17.70	127 °F	Yellow	08/09/15	16:30	520 (gpm)
29	4,221	30.6	0.1	4201.62	86.39	85.45	24.55	88.91	16.03	8.73	19.30	129 °F	Yellow	08/09/15	18:00	520 (gpm)
30	4,253	33.4	0.1	4228.75	103.33	102.41	24.58	105.31	13.50	8.75	20.00	129 °F	Yellow	08/09/15	19:19	520 (gpm)
31	4,284	35.4	358.8	4254.33	120.82	119.92	24.40	122.38	11.50	6.87	17.70	129 °F	Yellow	08/09/15	20:22	520 (gpm)
32	4,316	37.3	358.2	4280.10	139.74	138.88	23.91	140.92	9.77	6.04	19.30	129 °F	Yellow	08/09/15	22:50	520 (gpm)
33	4,347	39.5	357.6	4304.39	158.94	158.12	23.20	159.81	8.35	7.20	18.00	129 °F	Yellow	08/10/15	0:13	520 (gpm)
34	4,378	41.8	358.0	4327.91	179.07	178.30	22.42	179.70	7.17	7.47	19.20	129 °F	Yellow	08/10/15	1:13	520 (gpm)
35	4,409	44.1	359.0	4350.60	200.14	199.41	21.88	200.61	6.26	7.74	19.90	131 °F	Green	08/10/15	2:21	520 (gpm)
36	4,441	46.1	359.8	4373.19	222.78	222.07	21.64	223.13	5.57	6.50	18.90	131 °F	Green	08/10/15	3:13	520 (gpm)
37	4,473	47.9	0.4	4395.01	246.16	245.48	21.68	246.43	5.05	5.79	18.00	131 °F	Yellow	08/10/15	4:20	520 (gpm)
38	4,504	50.4	0.2	4415.29	269.59	268.92	21.81	269.81	4.64	8.08	18.80	131 °F	Yellow	08/10/15	5:27	520 (gpm)
39	4,535	52.9	0.6	4434.52	293.89	293.23	21.98	294.05	4.29	8.13	21.00	131 °F	Yellow	08/10/15	6:30	520 (gpm)
40	4,566	55.1	1.1	4452.74	318.96	318.31	22.35	319.09	4.02	7.22	18.60	131 °F	Yellow	08/10/15	7:25	520 (gpm)
41	4,597	57.3	1.3	4469.98	344.71	344.06	22.89	344.82	3.81	7.12	22.00	133 °F	Green	08/10/15	8:35	520 (gpm)
42	4,629	59.6	1.1	4486.73	371.97	371.32	23.46	372.06	3.62	7.21	19.20	133 °F	Green	08/10/15	9:45	520 (gpm)
43	4,661	61.8	0.6	4502.38	399.87	399.22	23.87	399.94	3.42	7.01	16.00	133 °F	Green	08/10/15	10:45	520 (gpm)
44	4,691	62.8	0.2	4516.33	426.41	425.78	24.06	426.46	3.23	3.54	0.00	133 °F	Green	08/10/15	12:00	520 (gpm)
45	4,721	63.8	0.1	4529.81	453.19	452.58	24.13	453.23	3.05	3.35	0.00	135 °F	Green	08/10/15	13:20	520 (gpm)
46	4,751	64.6	359.5	4542.87	480.18	479.59	24.03	480.20	2.87	3.22	0.00	135 °F	Green	08/10/15	14:30	520 (gpm)
47	4,782	64.3	358.5	4556.24	508.10	507.56	23.55	508.10	2.66	3.07	0.00	135 °F	Green	08/10/15	15:45	520 (gpm)
48	4,811	63.7	358.3	4568.95	534.10	533.61	22.82	534.10	2.45	2.16	0.00	136 °F	Green	08/10/15	16:40	520 (gpm)
49	4,841	63.7	358.2	4582.24	560.92	560.49	22.00	560.93	2.25	0.30	0.00	136 °F	Green	08/10/15	17:55	520 (gpm)
50	4,872	64.2	357.9	4595.86	588.70	588.33	21.05	588.71	2.05	1.83	0.00	135 °F	Green	08/10/15	18:43	520 (gpm)
51	4,902	65.2	358.1	4608.68	615.74	615.43	20.10	615.76	1.87	3.39	18.00	135 °F	Green	08/10/15	20:34	457 (gpm)
52	4,933	68.0	358.5	4620.99	644.12	643.87	19.26	644.16	1.71	9.11	20.00	136 °F	Yellow	08/10/15	21:49	457 (gpm)
53	4,963	70.7	359.4	4631.57	672.14	671.93	18.75	672.20	1.60	9.43	17.90	133 °F	Yellow	08/10/15	23:11	457 (gpm)
54	4,993	73.4	0.4	4640.81	700.65	700.47	18.70	700.72	1.53	9.54	18.70	133 °F	Yellow	08/11/15	0:39	457 (gpm)
55	5,023	76.0	0.9	4648.73	729.57	729.40	19.03	729.65	1.49	8.81	20.30	133 °F	Yellow	08/11/15	2:00	457 (gpm)

MWD SURVEYS

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Well: Ivan 22-34-9 1H
Field/Block: Corwin Southeast
Co./Parish: Harper
State: Kansas

PGS Job #: LKS6118715
MWD Operator: Jeffery Treille
Directional Driller: Jared Gooch
Date of First Survey: August 7, 2015
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Total Correction: 4.05 East Grid

Vertical Section Plane: 2.363 Nominal Dip Angle: 65.27 Magnetic Field Strength: .517

Measured Depth	Inc.	Azm.	T.V.D.	Ver. Sect.	Coordinates			Closure			Mtr Yield	Temp (°F)	Vib/Shk Color	Date	Time	Flow Rate
					+N / -S	+E / -W	Dist.	Angle	DLS							
56	5,053	78.8	1.8	4655.27	758.84	758.67	19.72	758.93	1.49	9.78	18.30	133 °F	Yellow	08/11/15	3:25	560 (gpm)
57	5,083	81.4	2.4	4660.43	788.39	788.20	20.80	788.47	1.51	8.89	19.70	133 °F	Yellow	08/11/15	4:48	440 (gpm)
58	5,113	83.9	2.0	4664.26	818.14	817.93	21.94	818.22	1.54	8.44	19.50	133 °F	Yellow	08/11/15	5:52	440 (gpm)
59	5,140	86.0	2.3	4666.64	845.03	844.80	22.95	845.12	1.56	7.86	19.30	133 °F	Yellow	08/11/15	7:00	440 (gpm)
60	5,223	90.5	3.2	4669.18	927.97	927.65	26.93	928.04	1.66	5.53	0.00	131 °F	Green	08/12/15	15:15	230 (gpm)
61	5,254	91.5	3.3	4668.63	958.96	958.59	28.69	959.02	1.71	3.24	0.00	133 °F	Yellow	08/12/15	16:20	230 (gpm)
62	5,286	91.9	3.3	4667.69	990.94	990.53	30.53	991.00	1.77	1.25	0.00	133 °F	Yellow	08/12/15	17:20	230 (gpm)
63	5,317	91.4	3.1	4666.79	1021.93	1021.46	32.26	1021.97	1.81	1.74	0.00	135 °F	Yellow	08/12/15	18:37	230 (gpm)
64	5,349	91.6	2.9	4665.95	1053.91	1053.41	33.94	1053.96	1.85	0.88	0.00	133 °F	Yellow	08/12/15	19:35	230 (gpm)
65	5,380	92.0	3.0	4664.98	1084.90	1084.35	35.53	1084.93	1.88	1.33	0.00	131 °F	Yellow	08/12/15	20:28	230 (gpm)
66	5,412	92.2	3.0	4663.81	1116.87	1116.29	37.20	1116.91	1.91	0.63	0.00	131 °F	Yellow	08/12/15	21:18	230 (gpm)
67	5,443	91.4	3.1	4662.83	1147.85	1147.23	38.85	1147.89	1.94	2.60	0.00	131 °F	Yellow	08/12/15	22:03	230 (gpm)
68	5,475	91.0	3.0	4662.16	1179.84	1179.18	40.56	1179.87	1.97	1.29	0.00	133 °F	Yellow	08/12/15	22:50	230 (gpm)
69	5,506	91.1	3.2	4661.60	1210.84	1210.12	42.23	1210.86	2.00	0.72	0.00	133 °F	Yellow	08/12/15	23:47	230 (gpm)
70	5,538	90.6	3.3	4661.12	1242.83	1242.07	44.05	1242.85	2.03	1.59	0.00	135 °F	Green	08/13/15	0:29	230 (gpm)
71	5,569	90.6	3.3	4660.80	1273.82	1273.02	45.83	1273.84	2.06	0.00	0.00	135 °F	Yellow	08/13/15	1:21	230 (gpm)
72	5,601	90.9	3.8	4660.38	1305.81	1304.95	47.81	1305.83	2.10	1.82	0.00	133 °F	Yellow	08/13/15	2:02	230 (gpm)
73	5,632	91.5	4.1	4659.73	1336.80	1335.87	49.95	1336.81	2.14	2.16	0.00	135 °F	Yellow	08/13/15	2:51	230 (gpm)
74	5,663	91.6	3.6	4658.89	1367.77	1366.79	52.03	1367.78	2.18	1.64	0.00	135 °F	Yellow	08/13/15	3:41	230 (gpm)
75	5,695	91.1	3.1	4658.14	1399.76	1398.73	53.90	1399.76	2.21	2.21	0.00	136 °F	Yellow	08/13/15	4:28	230 (gpm)
76	5,726	90.4	2.6	4657.73	1430.76	1429.69	55.44	1430.76	2.22	2.77	0.00	136 °F	Yellow	08/13/15	5:15	230 (gpm)
77	5,758	90.4	1.9	4657.51	1462.75	1461.66	56.69	1462.76	2.22	2.19	0.00	136 °F	Yellow	08/13/15	5:53	230 (gpm)
78	5,788	90.9	1.8	4657.17	1492.75	1491.64	57.66	1492.76	2.21	1.70	0.00	136 °F	Yellow	08/13/15	6:30	230 (gpm)
79	5,818	91.0	1.6	4656.67	1522.74	1521.62	58.55	1522.75	2.20	0.75	0.00	136 °F	Yellow	08/13/15	7:30	230 (gpm)
80	5,848	91.0	1.8	4656.15	1552.74	1551.61	59.44	1552.75	2.19	0.67	0.00	136 °F	Yellow	08/13/15	8:35	230 (gpm)
81	5,879	90.4	1.9	4655.77	1583.73	1582.59	60.44	1583.74	2.19	1.96	0.00	136 °F	Yellow	08/13/15	9:30	230 (gpm)
82	5,909	90.0	2.2	4655.66	1613.73	1612.57	61.52	1613.74	2.18	1.67	0.00	138 °F	Yellow	08/13/15	10:10	230 (gpm)
83	5,940	90.2	2.4	4655.61	1644.73	1643.54	62.76	1644.74	2.19	0.91	0.00	138 °F	Yellow	08/13/15	10:50	230 (gpm)
84	5,970	90.6	2.6	4655.40	1674.73	1673.51	64.07	1674.74	2.19	1.49	0.00	138 °F	Yellow	08/13/15	11:30	230 (gpm)

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Co./Parish: Harper
State: Kansas

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Measured Depth	Inc.	Azm.	T.V.D.	Ver. Sect.	Coordinates			Closure			Mtr Yield	Temp (°F)	Vib/Shk Color	Date	Time	Flow Rate
					+N / -S	+E / -W	Dist.	Angle	DLS							
85	6,000	90.8	2.7	4655.03	1704.73	1703.48	65.46	1704.74	2.20	0.75	0.00	138 °F	Yellow	08/13/15	12:10	230 (gpm)
86	6,030	90.6	2.3	4654.67	1734.73	1733.45	66.76	1734.73	2.21	1.49	0.00	138 °F	Yellow	08/13/15	13:00	230 (gpm)
87	6,060	89.9	2.2	4654.54	1764.73	1763.43	67.94	1764.73	2.21	2.36	0.00	138 °F	Yellow	08/13/15	13:40	230 (gpm)
88	6,091	89.7	2.8	4654.64	1795.73	1794.40	69.29	1795.73	2.21	2.04	0.00	138 °F	Yellow	08/13/15	14:15	230 (gpm)
89	6,121	90.0	3.2	4654.72	1825.72	1824.35	70.86	1825.73	2.22	1.67	0.00	140 °F	Yellow	08/13/15	15:00	230 (gpm)
90	6,152	90.7	3.6	4654.53	1856.72	1855.30	72.70	1856.72	2.24	2.60	0.00	140 °F	Yellow	08/13/15	15:40	230 (gpm)
91	6,182	91.5	4.2	4653.96	1886.70	1885.22	74.74	1886.70	2.27	3.33	0.00	140 °F	Yellow	08/13/15	16:15	230 (gpm)
92	6,212	91.3	4.5	4653.22	1916.68	1915.13	77.02	1916.68	2.30	1.20	0.00	140 °F	Yellow	08/13/15	17:00	230 (gpm)
93	6,242	91.0	4.1	4652.62	1946.65	1945.04	79.27	1946.65	2.33	1.67	0.00	140 °F	Yellow	08/13/15	18:00	230 (gpm)
94	6,273	90.8	4.0	4652.13	1977.63	1975.96	81.45	1977.63	2.36	0.72	0.00	142 °F	Yellow	08/13/15	19:09	230 (gpm)
95	6,303	90.9	4.1	4651.69	2007.62	2005.88	83.57	2007.62	2.39	0.47	0.00	142 °F	Yellow	08/13/15	19:59	230 (gpm)
96	6,333	91.3	4.4	4651.11	2037.60	2035.79	85.80	2037.60	2.41	1.67	0.00	142 °F	Yellow	08/13/15	20:45	230 (gpm)
97	6,364	90.9	4.8	4650.52	2068.57	2066.68	88.28	2068.57	2.45	1.82	0.00	142 °F	Yellow	08/13/15	21:42	230 (gpm)
98	6,394	90.5	4.7	4650.15	2098.54	2096.58	90.77	2098.54	2.48	1.37	0.00	142 °F	Pink	08/13/15	22:54	230 (gpm)
99	6,425	90.0	4.3	4650.02	2129.52	2127.48	93.20	2129.52	2.51	2.07	0.00	142 °F	Yellow	08/14/15	0:02	230 (gpm)
100	6,455	90.1	3.5	4649.99	2159.51	2157.41	95.24	2159.51	2.53	2.69	0.00	144 °F	Yellow	08/14/15	1:05	230 (gpm)
101	6,485	90.6	3.5	4649.81	2189.50	2187.36	97.07	2189.51	2.54	1.67	0.00	142 °F	Yellow	08/14/15	2:22	230 (gpm)
102	6,515	90.7	2.8	4649.47	2219.49	2217.31	98.72	2219.51	2.55	2.36	0.00	144 °F	Yellow	08/14/15	3:35	230 (gpm)
103	6,545	90.5	2.4	4649.15	2249.49	2247.28	100.08	2249.50	2.55	1.49	0.00	144 °F	Yellow	08/14/15	4:47	230 (gpm)
104	6,576	90.0	2.5	4649.02	2280.49	2278.25	101.40	2280.50	2.55	1.64	0.00	144 °F	Yellow	08/14/15	5:55	230 (gpm)
105	6,606	89.3	2.3	4649.20	2310.49	2308.22	102.66	2310.50	2.55	2.43	0.00	144 °F	Yellow	08/14/15	6:50	230 (gpm)
106	6,636	88.7	1.8	4649.72	2340.49	2338.20	103.73	2340.50	2.54	2.60	0.00	145 °F	Yellow	08/14/15	7:50	230 (gpm)
107	6,662	88.3	1.5	4650.41	2366.47	2364.18	104.48	2366.48	2.53	1.92	0.00	145 °F	Yellow	08/14/15	8:55	230 (gpm)
108	6,698	88.5	1.8	4651.41	2402.46	2400.15	105.52	2402.47	2.52	1.00	0.00	147 °F	Yellow	08/14/15	10:05	230 (gpm)
109	6,727	88.8	1.8	4652.09	2431.45	2429.13	106.43	2431.46	2.51	1.03	0.00	147 °F	Yellow	08/14/15	11:10	230 (gpm)
110	6,757	89.3	2.1	4652.59	2461.44	2459.10	107.45	2461.45	2.50	1.94	0.00	147 °F	Yellow	08/14/15	12:35	230 (gpm)
111	6,787	90.3	2.4	4652.70	2491.44	2489.08	108.63	2491.45	2.50	3.48	0.00	147 °F	Yellow	08/14/15	13:55	230 (gpm)
112	6,817	91.4	2.5	4652.25	2521.44	2519.05	109.91	2521.45	2.50	3.68	0.00	147 °F	Yellow	08/14/15	15:20	230 (gpm)
113	6,847	91.9	2.6	4651.39	2551.43	2549.01	111.24	2551.43	2.50	1.70	0.00	142 °F	Green	08/15/15	2:10	230 (gpm)

MWD SURVEYS

Customer: Tapstone Energy
Well: Ivan 22-34-9 1H
Field/Block: Corwin Southeast
Co./Parish: Harper
State: Kansas

PGS Job #: LKS6118715
MWD Operator: Jeffery Treille
Directional Driller: Jared Gooch
Date of First Survey: August 7, 2015
Date of Last Survey: August 19, 2015



Total Correction: 4.05 East Grid

Vertical Section Plane: 2.363 Nominal Dip Angle: 65.27 Magnetic Field Strength: .517

Measured Depth	Inc.	Azm.	T.V.D.	Ver. Sect.	Coordinates			Closure			Mtr Yield	Temp (°F)	Vib/Shk Color	Date	Time	Flow Rate
					+N / -S	+E / -W	Dist.	Angle	DLS							
114	6,877	91.7	2.6	4650.44	2581.41	2578.96	112.60	2581.42	2.50	0.67	0.00	142 °F	Yellow	08/15/15	3:18	230 (gpm)
115	6,907	90.9	2.3	4649.76	2611.40	2608.93	113.89	2611.41	2.50	2.85	0.00	142 °F	Yellow	08/15/15	4:26	230 (gpm)
116	6,937	90.6	1.8	4649.37	2641.40	2638.90	114.96	2641.41	2.49	1.94	0.00	144 °F	Yellow	08/15/15	5:31	230 (gpm)
117	6,967	90.9	1.7	4648.98	2671.40	2668.89	115.88	2671.40	2.49	1.05	0.00	145 °F	Yellow	08/15/15	6:20	230 (gpm)
118	6,998	91.3	1.8	4648.38	2702.39	2699.87	116.82	2702.39	2.48	1.33	0.00	145 °F	Yellow	08/15/15	7:30	230 (gpm)
119	7,028	91.8	1.9	4647.57	2732.38	2729.84	117.79	2732.38	2.47	1.70	0.00	147 °F	Yellow	08/15/15	8:30	230 (gpm)
120	7,059	91.6	2.1	4646.65	2763.36	2760.81	118.87	2763.37	2.47	0.91	0.00	147 °F	Yellow	08/15/15	9:35	230 (gpm)
121	7,089	91.2	2.0	4645.92	2793.35	2790.78	119.94	2793.36	2.46	1.37	0.00	147 °F	Yellow	08/15/15	10:45	230 (gpm)
122	7,120	91.0	1.9	4645.32	2824.35	2821.76	121.00	2824.35	2.46	0.72	0.00	149 °F	Yellow	08/15/15	12:00	230 (gpm)
123	7,150	90.9	2.1	4644.83	2854.34	2851.73	122.05	2854.34	2.45	0.75	0.00	149 °F	Yellow	08/15/15	12:55	230 (gpm)
124	7,180	90.3	2.4	4644.51	2884.34	2881.71	123.22	2884.34	2.45	2.24	0.00	149 °F	Yellow	08/15/15	14:00	230 (gpm)
125	7,211	90.1	2.2	4644.40	2915.34	2912.68	124.47	2915.34	2.45	0.91	0.00	151 °F	Yellow	08/15/15	15:30	230 (gpm)
126	7,241	89.8	2.2	4644.43	2945.34	2942.66	125.62	2945.34	2.44	1.00	0.00	151 °F	Yellow	08/15/15	16:35	230 (gpm)
127	7,271	90.3	2.2	4644.40	2975.34	2972.64	126.77	2975.34	2.44	1.67	0.00	153 °F	Yellow	08/15/15	17:45	230 (gpm)
128	7,302	90.9	1.8	4644.08	3006.34	3003.62	127.85	3006.34	2.44	2.33	0.00	153 °F	Yellow	08/15/15	18:50	230 (gpm)
129	7,332	91.5	1.9	4643.45	3036.33	3033.60	128.82	3036.33	2.43	2.03	0.00	153 °F	Yellow	08/15/15	20:00	230 (gpm)
130	7,362	91.7	2.0	4642.61	3066.32	3063.57	129.84	3066.32	2.43	0.75	0.00	154 °F	Pink	08/15/15	21:09	230 (gpm)
131	7,392	91.2	1.8	4641.85	3096.30	3093.54	130.84	3096.31	2.42	1.79	0.00	154 °F	Yellow	08/15/15	22:17	230 (gpm)
132	7,423	90.7	1.5	4641.34	3127.30	3124.52	131.73	3127.30	2.41	1.88	0.00	154 °F	Yellow	08/15/15	23:11	230 (gpm)
133	7,453	90.3	1.4	4641.08	3157.29	3154.51	132.49	3157.29	2.40	1.37	0.00	154 °F	Yellow	08/16/15	0:10	230 (gpm)
134	7,483	89.9	1.1	4641.03	3187.29	3184.51	133.14	3187.29	2.39	1.67	0.00	154 °F	Yellow	08/16/15	1:04	230 (gpm)
135	7,513	90.0	0.6	4641.05	3217.28	3214.50	133.59	3217.28	2.38	1.70	0.00	156 °F	Yellow	08/16/15	2:02	230 (gpm)
136	7,544	90.5	0.7	4640.92	3248.26	3245.50	133.94	3248.26	2.36	1.64	0.00	156 °F	Yellow	08/16/15	3:05	230 (gpm)
137	7,575	90.2	0.1	4640.73	3279.24	3276.50	134.15	3279.24	2.34	2.16	0.00	156 °F	Green	08/16/15	4:04	230 (gpm)
138	7,605	89.9	359.6	4640.70	3309.21	3306.50	134.08	3309.22	2.32	1.94	0.00	156 °F	Green	08/16/15	4:58	230 (gpm)
139	7,635	90.5	359.4	4640.60	3339.18	3336.50	133.81	3339.18	2.30	2.11	0.00	156 °F	Green	08/16/15	5:56	230 (gpm)
140	7,665	91.1	359.9	4640.18	3369.14	3366.49	133.63	3369.14	2.27	2.60	0.00	156 °F	Green	08/16/15	6:45	230 (gpm)
141	7,696	92.3	0.8	4639.26	3400.11	3397.48	133.82	3400.11	2.26	4.84	0.00	156 °F	Yellow	08/16/15	7:40	230 (gpm)
142	7,726	93.1	1.1	4637.85	3430.06	3427.44	134.32	3430.07	2.24	2.85	0.00	156 °F	Yellow	08/16/15	8:15	230 (gpm)

MWD SURVEYS

Customer: Tapstone Energy
Well: Ivan 22-34-9 1H
Field/Block: Corwin Southeast
Co./Parish: Harper
State: Kansas

PGS Job #: LKS6118715
MWD Operator: Jeffery Treille
Directional Driller: Jared Gooch
Date of First Survey: August 7, 2015
Date of Last Survey: August 19, 2015



Total Correction: 4.05 East Grid

Vertical Section Plane: 2.363 Nominal Dip Angle: 65.27 Magnetic Field Strength: .517

Measured Depth	Inc.	Azm.	T.V.D.	Ver. Sect.	Coordinates			Closure			Mtr Yield	Temp (°F)	Vib/Shk Color	Date	Time	Flow Rate
					+N / -S	+E / -W	Dist.	Angle	DLS							
143	7,757	91.5	0.5	4636.60	3461.03	3458.41	134.75	3461.03	2.23	5.51	0.00	156 °F	Yellow	08/16/15	9:10	230 (gpm)
144	7,787	90.1	0.1	4636.18	3491.00	3488.41	134.91	3491.01	2.21	4.85	0.00	158 °F	Yellow	08/16/15	10:10	230 (gpm)
145	7,817	90.2	0.0	4636.10	3520.98	3518.41	134.93	3520.99	2.20	0.47	0.00	158 °F	Yellow	08/16/15	11:10	230 (gpm)
146	7,847	90.6	0.5	4635.89	3550.96	3548.41	135.06	3550.97	2.18	2.13	0.00	158 °F	Yellow	08/16/15	12:15	230 (gpm)
147	7,877	90.7	0.6	4635.55	3580.94	3578.40	135.35	3580.96	2.17	0.47	0.00	160 °F	Yellow	08/16/15	13:20	230 (gpm)
148	7,907	90.6	0.7	4635.21	3610.92	3608.40	135.69	3610.95	2.15	0.47	0.00	160 °F	Yellow	08/16/15	14:40	230 (gpm)
149	7,938	90.6	0.9	4634.89	3641.91	3639.39	136.12	3641.94	2.14	0.65	0.00	160 °F	Yellow	08/16/15	16:10	230 (gpm)
150	7,969	90.3	0.7	4634.65	3672.90	3670.39	136.56	3672.93	2.13	1.16	0.00	160 °F	Yellow	08/16/15	17:30	230 (gpm)
151	7,999	90.2	0.4	4634.52	3702.88	3700.39	136.85	3702.92	2.12	1.05	0.00	160 °F	Pink	08/16/15	18:57	230 (gpm)
152	8,029	90.1	0.4	4634.44	3732.87	3730.39	137.05	3732.90	2.10	0.33	0.00	160 °F	Yellow	08/16/15	20:48	230 (gpm)
153	8,060	89.8	0.7	4634.46	3763.85	3761.39	137.35	3763.89	2.09	1.37	0.00	160 °F	Yellow	08/16/15	22:20	230 (gpm)
154	8,092	90.0	0.6	4634.52	3795.84	3793.38	137.72	3795.88	2.08	0.70	0.00	160 °F	Yellow	08/17/15	0:00	230 (gpm)
155	8,123	90.5	0.7	4634.38	3826.82	3824.38	138.07	3826.87	2.07	1.64	0.00	160 °F	Yellow	08/17/15	7:55	230 (gpm)
156	8,155	90.5	0.7	4634.10	3858.81	3856.38	138.46	3858.86	2.06	0.00	0.00	160 °F	Pink	08/17/15	3:42	230 (gpm)
157	8,187	90.2	1.1	4633.91	3890.80	3888.37	138.96	3890.85	2.05	1.56	0.00	160 °F	Yellow	08/17/15	5:07	230 (gpm)
158	8,218	89.3	2.1	4634.04	3921.79	3919.36	139.83	3921.85	2.04	4.34	0.00	160 °F	Yellow	08/17/15	6:10	230 (gpm)
159	8,249	89.3	2.2	4634.42	3952.79	3950.34	140.99	3952.85	2.04	0.32	0.00	162 °F	Yellow	08/17/15	7:50	230 (gpm)
160	8,281	89.7	1.9	4634.70	3984.79	3982.31	142.13	3984.85	2.04	1.56	0.00	162 °F	Yellow	08/17/15	9:20	230 (gpm)
161	8,313	89.6	2.1	4634.90	4016.79	4014.29	143.25	4016.85	2.04	0.70	0.00	162 °F	Yellow	08/17/15	10:55	230 (gpm)
162	8,344	89.1	1.9	4635.25	4047.78	4045.27	144.33	4047.85	2.04	1.74	0.00	162 °F	Yellow	08/17/15	12:10	230 (gpm)
163	8,376	88.6	1.7	4635.89	4079.78	4077.25	145.34	4079.84	2.04	1.68	0.00	162 °F	Yellow	08/17/15	13:20	230 (gpm)
164	8,408	88.9	2.0	4636.59	4111.77	4109.23	146.37	4111.83	2.04	1.33	0.00	162 °F	Yellow	08/17/15	14:50	230 (gpm)
165	8,439	89.8	2.1	4636.94	4142.76	4140.20	147.48	4142.83	2.04	2.92	0.00	160 °F	Yellow	08/17/15	16:10	230 (gpm)
166	8,471	90.6	2.2	4636.83	4174.76	4172.18	148.68	4174.83	2.04	2.52	0.00	162 °F	Yellow	08/17/15	17:40	230 (gpm)
167	8,500	90.7	1.6	4636.50	4203.76	4201.16	149.64	4203.83	2.04	2.10	0.00	162 °F	Yellow	08/18/15	5:50	230 (gpm)
168	8,532	91.5	1.4	4635.89	4235.75	4233.15	150.48	4235.82	2.04	2.58	0.00	158 °F	Yellow	08/18/15	7:05	230 (gpm)
169	8,563	91.9	1.4	4634.97	4266.73	4264.12	151.24	4266.80	2.03	1.29	0.00	160 °F	Yellow	08/18/15	8:10	230 (gpm)
170	8,595	91.4	2.0	4634.05	4298.72	4296.09	152.18	4298.79	2.03	2.44	0.00	160 °F	Yellow	08/18/15	9:10	230 (gpm)
171	8,626	91.3	2.4	4633.32	4329.71	4327.06	153.37	4329.78	2.03	1.33	0.00	160 °F	Yellow	08/18/15	10:15	230 (gpm)

MWD SURVEYS

Customer: Tapstone Energy
Well: Ivan 22-34-9 1H
Field/Block: Corwin Southeast
Co./Parish: Harper
State: Kansas

PGS Job #: LKS6118715
MWD Operator: Jeffery Treille
Directional Driller: Jared Gooch
Date of First Survey: August 7, 2015
Date of Last Survey: August 19, 2015



Total Correction: 4.05 East Grid

Vertical Section Plane: 2.363 Nominal Dip Angle: 65.27 Magnetic Field Strength: .517

Measured Depth	Inc.	Azm.	T.V.D.	Ver. Sect.	Coordinates			Closure			Mtr Yield	Temp (°F)	Vib/Shk Color	Date	Time	Flow Rate
					+N / -S	+E / -W	Dist.	Angle	DLS							
172	8,658	91.6	2.6	4632.51	4361.70	4359.02	154.77	4361.77	2.03	1.13	0.00	162 °F	Yellow	08/18/15	11:20	230 (gpm)
173	8,689	90.9	3.1	4631.83	4392.69	4389.98	156.31	4392.76	2.04	2.77	0.00	162 °F	Yellow	08/18/15	12:30	230 (gpm)
174	8,721	90.6	3.1	4631.41	4424.68	4421.93	158.04	4424.75	2.05	0.94	0.00	162 °F	Yellow	08/18/15	13:25	230 (gpm)
175	8,753	90.1	3.2	4631.22	4456.68	4453.88	159.80	4456.74	2.05	1.59	0.00	162 °F	Yellow	08/18/15	14:20	230 (gpm)
176	8,784	89.8	3.3	4631.24	4487.68	4484.83	161.56	4487.74	2.06	1.02	0.00	163 °F	Yellow	08/18/15	15:30	230 (gpm)
177	8,816	89.8	3.3	4631.35	4519.67	4516.77	163.40	4519.73	2.07	0.00	0.00	163 °F	Yellow	08/18/15	16:20	230 (gpm)
178	8,847	90.1	3.3	4631.38	4550.67	4547.72	165.18	4550.72	2.08	0.97	0.00	163 °F	Yellow	08/18/15	17:00	230 (gpm)
179	8,878	90.5	3.6	4631.22	4581.66	4578.67	167.05	4581.71	2.09	1.61	0.00	164 °F	Yellow	08/18/15	17:40	230 (gpm)
180	8,910	91.0	3.8	4630.80	4613.65	4610.60	169.11	4613.70	2.10	1.68	0.00	163 °F	Yellow	08/18/15	18:36	230 (gpm)
181	8,942	90.6	3.6	4630.35	4645.64	4642.53	171.18	4645.68	2.11	1.40	0.00	163 °F	Yellow	08/18/15	19:37	230 (gpm)
182	8,973	90.2	3.6	4630.14	4676.63	4673.47	173.12	4676.67	2.12	1.29	0.00	160 °F	Yellow	08/18/15	20:34	230 (gpm)
183	9,004	90.1	3.8	4630.06	4707.62	4704.40	175.13	4707.66	2.13	0.72	0.00	156 °F	Yellow	08/18/15	21:31	230 (gpm)
184	9,036	90.0	3.6	4630.03	4739.61	4736.33	177.19	4739.65	2.14	0.70	0.00	154 °F	Yellow	08/18/15	22:37	230 (gpm)
185	9,067	90.0	3.9	4630.03	4770.60	4767.27	179.22	4770.63	2.15	0.97	0.00	154 °F	Yellow	08/18/15	23:55	230 (gpm)
186	9,099	90.4	4.0	4629.92	4802.59	4799.19	181.42	4802.62	2.16	1.29	0.00	154 °F	Yellow	08/19/15	1:01	230 (gpm)
187	9,130	90.6	4.5	4629.65	4833.57	4830.10	183.72	4833.60	2.18	1.74	0.00	154 °F	Yellow	08/19/15	2:01	230 (gpm)
188	9,160	90.8	4.9	4629.28	4863.54	4860.00	186.18	4863.57	2.19	1.49	0.00	154 °F	Yellow	08/19/15	3:03	230 (gpm)
189	9,192	90.8	5.1	4628.83	4895.51	4891.88	188.97	4895.52	2.21	0.62	0.00	153 °F	Yellow	08/19/15	4:07	230 (gpm)
190	9,223	90.8	5.3	4628.40	4926.47	4922.75	191.78	4926.48	2.23	0.65	0.00	153 °F	Yellow	08/19/15	5:21	230 (gpm)
191	9,255	90.9	5.0	4627.92	4958.43	4954.61	194.65	4958.44	2.25	0.99	0.00	153 °F	Yellow	08/19/15	6:25	230 (gpm)
192	9,286	90.5	4.7	4627.55	4989.39	4985.50	197.27	4989.40	2.27	1.61	0.00	149 °F	Yellow	08/19/15	7:10	230 (gpm)
193	9,318	90.4	4.8	4627.29	5021.36	5017.39	199.92	5021.37	2.28	0.44	0.00	151 °F	Yellow	08/19/15	8:30	230 (gpm)
194	9,349	90.4	5.0	4627.08	5052.33	5048.27	202.57	5052.34	2.30	0.65	0.00	153 °F	Yellow	08/19/15	9:35	230 (gpm)
195	9,381	90.2	5.5	4626.91	5084.29	5080.14	205.49	5084.29	2.32	1.68	0.00	153 °F	Yellow	08/19/15	10:30	230 (gpm)
196	9,412	90.3	5.5	4626.78	5115.25	5111.00	208.47	5115.25	2.34	0.32	0.00	153 °F	Yellow	08/19/15	11:20	230 (gpm)
197	9,444	90.4	6.0	4626.58	5147.19	5142.84	211.67	5147.19	2.36	1.59	0.00	153 °F	Yellow	08/19/15	12:40	230 (gpm)
198	9,479	90.1	5.9	4626.43	5182.12	5177.65	215.30	5182.12	2.38	0.90	0.00	153 °F	Yellow	08/19/15	13:45	230 (gpm)
PTB	9,530	90.1	5.9	4626.34	5233.02	5228.38	220.54	5233.03	2.42	0.00						

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 Co./Parish: Harper
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Total Correction: 4.05 East Grid

Vertical Section Plane: 2.363 Nominal Dip Angle: 65.27 Magnetic Field Strength: .517

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 Directional Driller: Jared Gooch
 Date of First Survey: August 7, 2015
 Date of Last Survey: August 19, 2015



Total Correction: 4.05 East Grid

Vertical Section Plane: 2.363 Nominal Dip Angle: 65.27 Magnetic Field Strength: .517

<i>Measured</i>		<i>Coordinates</i>					<i>Closure</i>		<i>Vib/Shk</i>						
<i>Depth</i>	<i>Inc.</i>	<i>Azm.</i>	<i>T.V.D.</i>	<i>Ver. Sect.</i>	<i>+N / -S</i>	<i>+E / -W</i>	<i>Dist.</i>	<i>Angle</i>	<i>DLS</i>	<i>Mtr Yield</i>	<i>Temp (°F)</i>	<i>Color</i>	<i>Date</i>	<i>Time</i>	<i>Flow Rate</i>

MWD SURVEYS

Customer: Tapstone Energy
 Well: Ivan 22-34-9 1H
 Field/Block: Corwin Southeast
 Co./Parish: Harper
 State: Kansas

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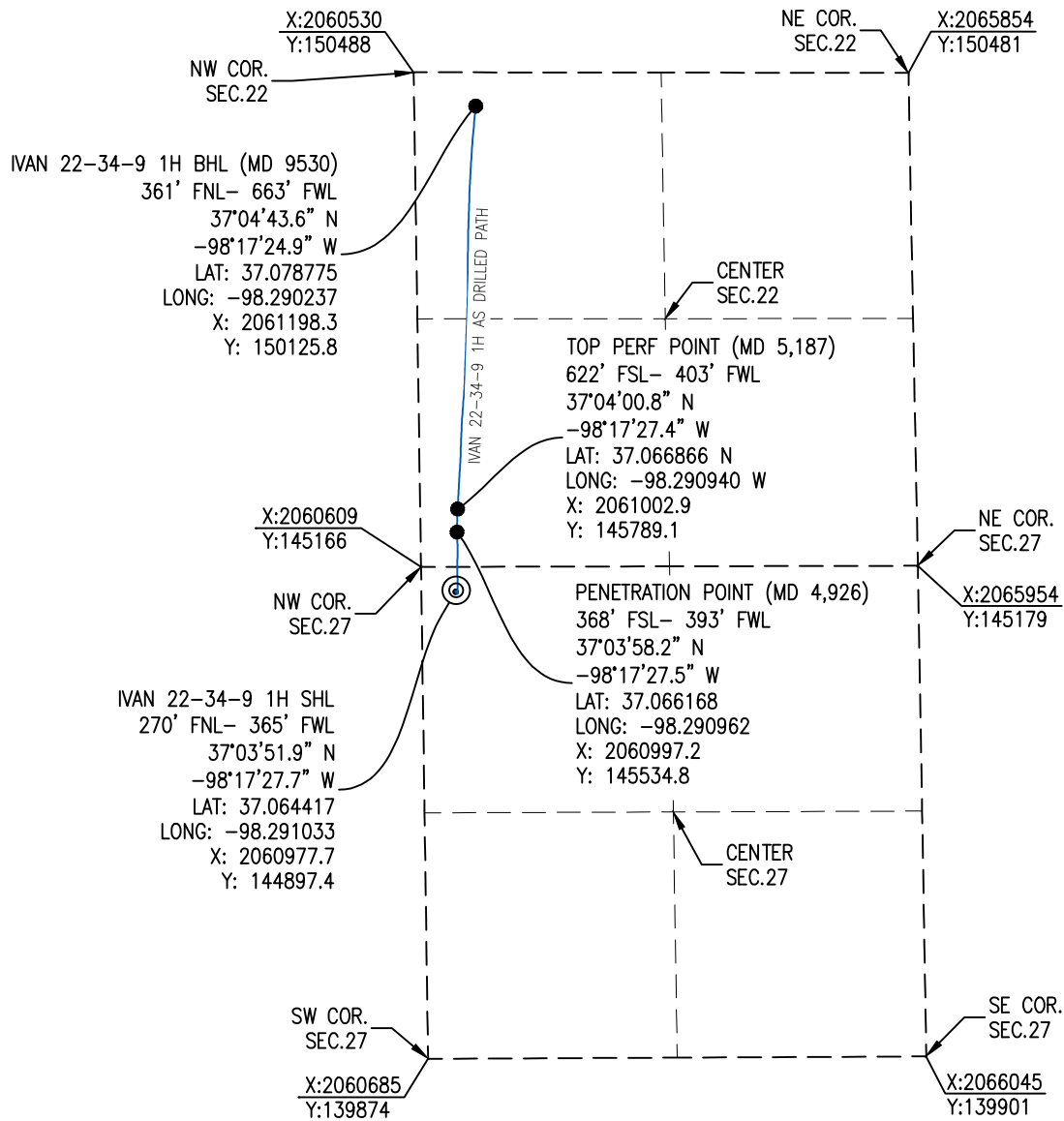
<i>Measured Depth</i>	<i>Inc.</i>	<i>Azm.</i>	<i>T.V.D.</i>	<i>Ver. Sect.</i>	<i>Coordinates</i>		<i>Closure</i>		<i>DLS</i>	<i>Mtr Yield</i>	<i>Temp (°F)</i>	<i>Vib/Shk</i>	<i>Date</i>	<i>Time</i>	<i>Flow Rate</i>
					<i>+N / -S</i>	<i>+E / -W</i>	<i>Dist.</i>	<i>Angle</i>				<i>Color</i>			



1000 LedgeLawn Dr.
 Conway, Arkansas 72034
 501.328.3316 f 501.328.3325 f
 www.craftontull.com

Crafton Tull
 SURVEYING

HARPER COUNTY, KANSAS
 270' FNL- 365' FWL SECTION 27 TOWNSHIP 34S RANGE 09W 6TH P.M.



COORDINATE VALUES ARE BASED ON
 NAD27 STATE PLANE COORDINATE SYSTEM,
 KANSAS SOUTH ZONE, U.S. SURVEY FOOT.

ELEVATION:
 1272' GR. AT STAKE

OPERATOR: TAPSTONE ENERGY

WELL NO: 1H

LEASE NAME: IVAN 22-34-9

TOPOGRAPHIC & VEGETATION: LOCATION FELL IN A FIELD

GOOD DRILL SITE: YES REFERENCE STAKES OR ALTERNATE LOCATION STAKES SET: NONE

BEST ACCESSIBILITY TO LOCATION: WEST OR NORTH LINE OF SECTION 27

DISTANCE & DIRECTION
 FROM HWY JCT OR TOWN: FROM THE JCT. OF KS-58 (SW 140 AVE) & SW 80 RD (±7.0 MILES
 SOUTHEAST OF HAZELTON, KS), TRAVEL NORTH ON KS-58 (SW 140 AVE) ±2.0 MILES TO THE
 NORTHWEST CORNER OF SECTION 27, T34S-R09W.

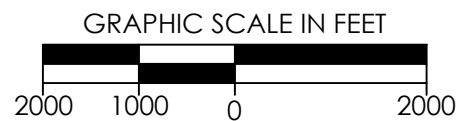
(THE FOLLOWING INFORMATION WAS GATHERED USING A GPS RECEIVER ACCURACY ±2-3 METERS)

GPS DATUM: NAD-27
 LAT: 37.064417
 LONG: -98.291033

STATE PLANE COORDINATES:
 ZONE: KS-SOUTH NAD-27
 X: 2060977.7
 Y: 144897.4

GENERAL NOTES:

THE TIES AND FOOTAGES SHOWN ON THIS PLAT ARE FROM LINES OF OCCUPATION FROM A SURVEY MADE ON THE GROUND AND / OR BEARING AND DISTANCES FROM THE GENERAL LAND OFFICE PLAT OF THE AREA SHOWN AND MAY NOT BE THE ACTUAL PROPERTY CORNERS. THIS PLAT DOES NOT REPRESENT A TRUE BOUNDARY SURVEY. DRILL SITE CONDITION DETERMINATIONS WERE MADE BY TAPSTONE ENERGY REPRESENTATIVES.



AS DRILLED INFORMATION PROVIDED BY CLIENT.

REVISION	 "IVAN 22-34-9 1H" PART OF THE NW1/4 OF SECTION 27, T-34-S, R-09-W AS DRILLED PLAT HARPER COUNTY, KANSAS		
	SCALE: 1" = 2000'	DRAWN BY: J.PARKER	SHEET NO.: 1 OF 1

Job Data Sheet



COMPANY	Tapstone Energy		PROJECT NUMBER	SOK 5260	AFE/WORK ORDER	0	DATE	8/6/2015
CONTRACTOR	Nomac #7		LEGAL DESCRIPTION	27734S19W		API	15-077-22153-01-00	
LEASE & WELL #	Ivan 22-34-9 1H		COUNTY	Harper	STATE	Kansas	MILEAGE	100
DIRECTIONS								

KANSAS STATE LINE (NORTH OF BYRON) - HWY 58 & CR 60 - WEST SIDE OF RD

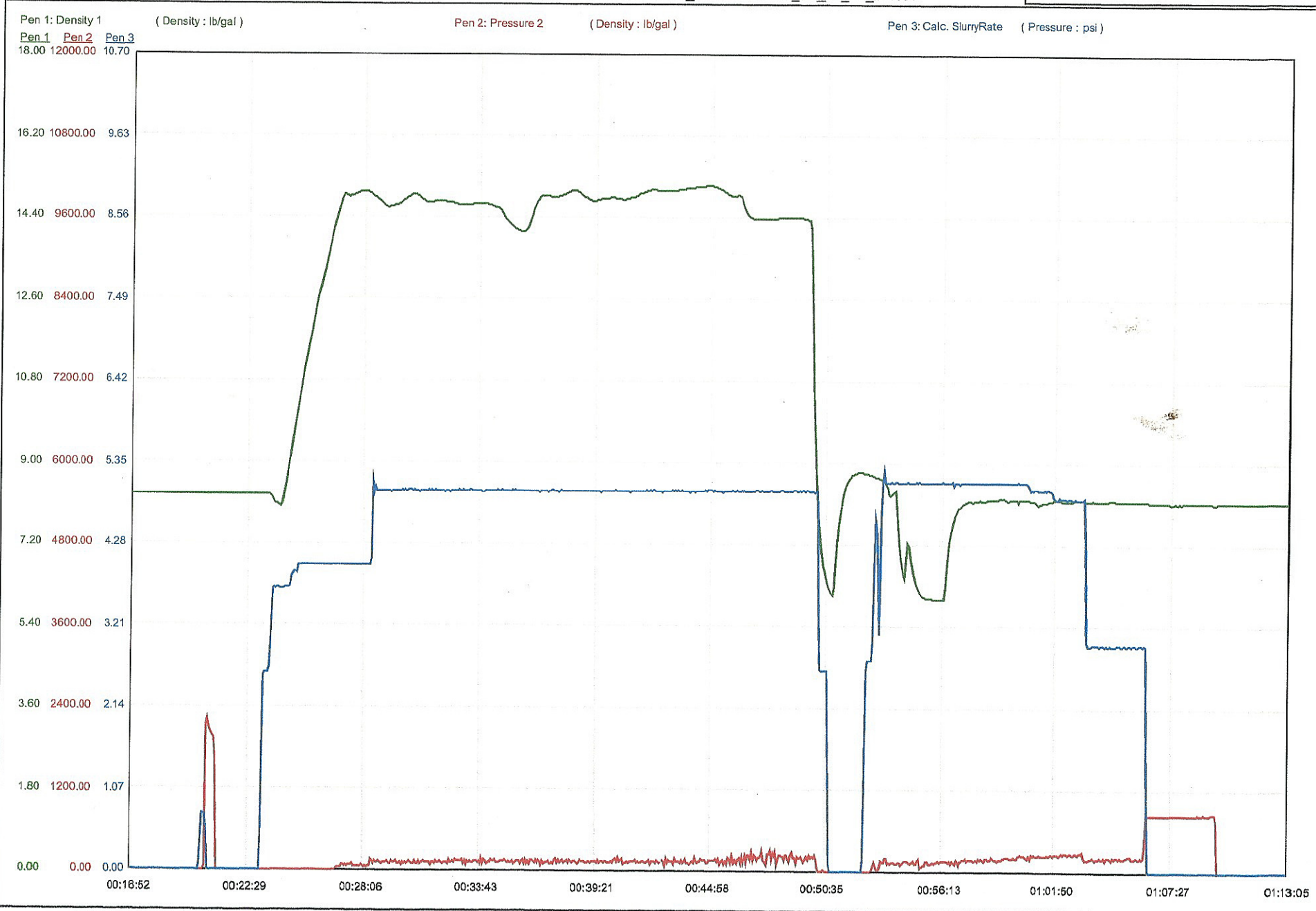
<input checked="" type="checkbox"/> Surface	<input type="checkbox"/> Intermediate	<input type="checkbox"/> Long String	<input type="checkbox"/> Plug Back
<input type="checkbox"/> Squeeze	<input type="checkbox"/> Acid	<input type="checkbox"/> PTA	<input type="checkbox"/> Other
Casing Size	36#	Thread	
9 5/8"	LTC	Plug. Cont.	YES
Top Plug	YES	Bottom Plug	NO
Casing Depth	800'	Hole Depth	150%
Hole Size		Depth-TVD	12 1/4"
Mud Weight/Type			

LEAD	# of Sacks	Type	Est. BHST	80°	Remarks
112-17	470	Premium Plus (Class C)			
H2O TO MIX	Weight PPG	Yield F3/Sk	Water Gal/Sk		
70.95	14.80	1.34	6.34		2% Calcium Chloride - 1/4apps Cello-Flake
TAIL	# of Sacks	Type			
0.00					
H2O TO MIX	Weight PPG	Yield F3/Sk	Water Gal/Sk		
0.00					
TOP OUT	# of Sacks	Type			
H2O TO MIX	Weight PPG	Yield F3/Sk	Water Gal/Sk		
Spacer or Flush	Quantity	Type			
10 BBL		Fresh Water			
Spacer or Flush	Quantity	Type			
Other	Quantity	Type			
ACID					
Inhibitor					
Surfactant					
Slay cont.					
ADDITIONS					
TAKE 50 # Sugar					

Crew Called	Cement	Pumper	Bulky	Bulky	Bulky
Mike Hall	Joe Colonesse	Donnie Brown	Cheryl Newton		
CEOL	9 5/8" SWAGE, SW, DW, BALE RACK				
Casing Size	9 5/8"	Casing Weight	36#	Thread	BTC
Guide Shoe		Float Shoe		Float Collar	Insert Float Valve
Centralizers - Number		Size		Type	
Wall Cleaners - Number		Type		MSC (DV Tool)	MSC Plug Set
Limit Clamps		Thread lock		Other	
Customer Rep.	0	Cell Phone		Office Phone	Fax
Call Taken By	Jared Sisco				
Crew Called	Mike Hall				
Date Ready	8/6/15	Location Time	0:00	Time of Call	
Yard Time					1830 8/6/15

SERVICE COMPANY: OTEX PUMPING
TICKET NO: SOK 5260
CUSTOMER NAME: TAPSTONE ENERGY
WELL NAME: IVAN 223491H
WELL LOCATION: HARPER CO.

DATE RECORDED: 08/07/2015
JOB NO: SOK 5260
UNIT DESCRIPTION: SERVA TWIN
UNIT NOTES: SURFACE
FILE NAME: TAPSTONE ENERGY_IVAN 223491H_15_08_07_#1.csv



O-TEX PUMPING LLC

Service Location Fairview, Oklahoma
 Service Address 601 Industrial Blvd 73737

FIELD RECEIPT

Phone number 580-227-2727

Project Number: SOK 5260

Service Date: 8/7/2015
 Customer Tapstone Energy
 Address:
 City
 St
 Customer Rep 0
 Phone 0

Well Name: Ivan 22-34-9
 Well Number: 1H
 County: Harper
 State: Kansas
 API # 15-077-22153-01-00
 AFE # 0
 PERMIT #

JOB TYPE
 CASING SIZE
 Job Type
 Surface
 Serv. Sup.
 Mike Hall
 Page 1 of 1

Pump # 980010
 Pump 2 # 0

REF #	DESCRIPTION	U OF MEAS.	UNIT PRICE	QUAN	GROSS	%DISC	disc	NET
ML001	Pickup Mileage	per mile/ per Unit	\$ 4.26	100.0	\$426.00	78%	\$332.28	\$93.72
ML002	Pump Truck/Heavy Vehicle Mileage	per mile/ per Unit	\$ 7.32	100.0	\$732.00	78%	\$570.96	\$161.04
ML003	Bulk Cement Delivery/Return	per Ton-Mile	\$ 2.95	1,130.0	\$3,333.50	78%	\$2,600.13	\$733.37
MX001	Bulk Material Mixing Service Charge	per cuft	\$ 3.27	496.0	\$1,621.92	78%	\$1,265.10	\$356.82
CC001	Pump Charge 0-1000'	(per 4 hrs)	\$ 2,038.61	1.0	\$2,038.61	78%	\$1,590.12	\$448.49
ML014	Fuel Surcharge *	per unit perjob	\$ 653.40	1.0	\$653.40	100%	\$653.40	\$0.00
AE014	Environmental Fee*	per job	\$ 228.69	1.0	\$228.69	100%	\$228.69	\$0.00
PC003	Employee/Supervisor Retention/perdiem	per job	\$ 1,306.80	4.0	\$5,227.20	78%	\$4,077.22	\$1,149.98
JM001	Data Acquisition System	Per Job	\$ 1,437.48	1.0	\$1,437.48	78%	\$1,121.23	\$316.25
AE002	Cement Head with manifold	per job	\$ 1,176.12	1.0	\$1,176.12	78%	\$917.37	\$258.75
AE003	Circulation Equipment(40' of equipment)	per job	\$ 1,633.50	1.0	\$1,633.50	78%	\$1,274.13	\$359.37
CL017	9 5/8" Top Rubber Plug	Each	\$ 338.80	1.0	\$338.80	35%	\$118.58	\$220.22
CP001	C (Premium Plus Cement) (94 lbs/ft3)	per sk	\$ 30.80	470.0	\$14,476.00	78%	\$11,291.28	\$3,184.72
CP010	Cello Flake	per lb	\$ 4.20	118.0	\$495.60	78%	\$386.57	\$109.03
CP018	Calcium Chloride	per lb	\$ 1.22	884.0	\$1,078.48	78%	\$841.21	\$237.27
CP031	Sugar	per lb	\$ 3.39	50.0	\$169.50	0%	\$0.00	\$169.50
CC015	Pump Charge Additional Hours	per hour/per unit	\$ 588.06	-	\$0.00	75%	\$0.00	\$0.00
AE012	Bulk Unit Additional Hours	Per unit/per hour	\$ 130.68	-	\$0.00	75%	\$0.00	\$0.00
ML003	Bulk Cement Delivery/Return	per Ton-Mile	\$ 2.95	-	\$0.00	78%	\$0.00	\$0.00
MX001	Bulk Material Mixing Service Charge	per cuft	\$ 3.27	-	\$0.00	78%	\$0.00	\$0.00
CP001	C (Premium Plus Cement) (94 lbs/ft3)	per sk	\$ 30.80	-	\$0.00	78%	\$0.00	\$0.00
CP018	Calcium Chloride	per lb	\$ 1.22	-	\$0.00	78%	\$0.00	\$0.00
AE022	1" Pipe for Top-Out*	per ft	\$ 7.90	-	\$0.00	20%	\$0.00	\$0.00
AE000	Circulating hose (replacement)	per hose	\$ 1,375.00	-	\$0.00	0%	\$0.00	\$0.00
					\$35,066.80		\$27,268.27	\$7,798.53

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMERS AGENT.

Customer Authorized Agent: _____

JOB SUMMARY		PROJECT NUMBER SOK 5260	TICKET DATE 08/07/15
COUNTY Harper	STATE Kansas	CUSTOMER REP 0	
COMPANY Tapstone Energy		EMPLOYEE NAME Mike Hall	
LEASE NAME Ivan 22-34-9	WELL NO. 1H	JOB TYPE Surface	
EMP NAME Mike Hall			
EMP NAME Joe Colonnesse			
EMP NAME Donnie Brown			
EMP NAME Cheryl Newton			
Form. Name _____	Type: _____		
Packer Type _____	Set At _____	0	
Bottom Hole Temp. _____	Pressure _____		
Retainer Depth _____	Total Depth _____	800	
Tools and Accessories			
Type and Size	Qty	Make	
Auto Fill Tube	0	IR	
Insert Float Va	0	IR	
Centralizers	0	IR	
Top Plug	0	IR	
HEAD	0	IR	
Limit clamp	0	IR	
Weid-A	0	IR	
Texas Pattern Guide Shoe	0	IR	
Cement Basket	0	IR	
Materials			
Mud Type _____	WBM Density _____	9	Lb/Gal
Disp. Fluid _____	Fresh Water Density _____	8.33	Lb/Gal
Spacer type _____	Fresh Water BBL _____	10	8.33
Spacer type _____	BBL _____		
Acid Type _____	Gal _____	%	
Acid Type _____	Gal _____	%	
Surfactant _____	Gal _____	In	
NE Agent _____	Gal _____	In	
Fluid Loss _____	Gal/Lb _____	In	
Gelling Agent _____	Gal/Lb _____	In	
Fric. Red. _____	Gal/Lb _____	In	
MISC. _____	Gal/Lb _____	In	
Perfoac Balls _____	Qty. _____		
Other _____			
Other _____			
Other _____			
Other _____			

Called Out Date 8/6/2015	On Location Date 8/6/2015	Job Started Date 8/7/2015	Job Completed Date 8/7/2015
Time 1830	Time 22:00	Time 0001	Time 0200

Casing	New/Used	Weight	Size	Grade	From	To	Max. Allow
Liner		36#	9 5/8"	Surface	Surface	794	1,500
Liner							
Tubing			0				
Drill Pipe							
Open Hole			12 1/4"	Surface	Surface	794	Shots/Ft.
Perforations							
Perforations							

Hours On Location	Operating Hours	Description of Job
Date 8/6	Date 8/7	Surface
Hours 4.0	Hours 2.0	waited on casing 1.5 hr .
		Rig up ground level
		conducted job safety meeting
		rig up floor
		pressure test
		pump water spacer
		pump lead cement
		drop plug
		displacew/fresh water
		land plug-floats held
		rig down-leave location
Total	Total	
4.0	2.0	

MAX	1,500 PSI	AVG.	200
MAX	6 BPM	AVG	5
Feet	44	Reason	SHOE JOINT

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	470	Premium Plus (Class C)	2% Calcium Chloride - 1/2pps Cello-Flake	6.34	1.34	14.80
2	0	0	0	0.00	0.00	0.00
3	0	0	0	0.00	0.00	0.00

Preflush Breakdown	Type: _____	10.00	Fresh Water
	MAXIMUM	N/A	Pack:Bbl -Gal
	Lost Returns-f	46	Calc. Disp Bbl
Average	Actual TOC	794	Actual Disp.
ISP	Bump Plug PSI:	300	Disp:Bbl
	5 Min.	112.2	58.00
	10 Min.	15 Min	58.00
		Total Volume	180.17

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____



Job Site Safety Meeting Attendance Sheet

Date: 8/6/2015

Job Site Leader: Mike Hall

Max Pressure: 1,500 PSI PSI

Company - Lease - Well #: Tapstone Energy / Ivan 22-34-9 1H

Ticket #: SOK 5260

Employee Name *** Please Print ***	Employee Number	Unit Number	Trailer Number	Unit Type	Location	Company Name
---------------------------------------	-----------------	-------------	----------------	-----------	----------	--------------

1	Mike Hall		530187	820041	pu/trl	Fairview	Otex
2	Joe Colonesse		980010	A245501	Pump	Fairview	Otex
3	Donnie Brown		88048	920048	Bulk	Fairview	Otex
4	Cheryl Newton		530154		pu	Fairview	Otex
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Job Site Safety Leader: Mike Hall

Report all Minor Injuries, Accidents, Vehicle Accidents or Environmental Spills Immeadiately.

Remarks
Cement #1: Premium Plus (Class C): 2% Calcium Chloride -
1/4pps Cello-Flake * Cement # 2: 0: 0 * Cement #3: 0: 0
*** Cement #4: : * Cement #5: :**

CEMENTING COMPANY

I declare under applicable Corporation Commission rule, that I am authorized to make this certification, that the cementing of casing in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct and complete to the best of my knowledge. This certification covers cementing data only.

Signature of Cementer or Authorized Representative

Name & Title Printed or Typed
Mike Hall

Address
O-TEX Pumping LLC
7303 N. Hwy 81

City
Duncan

State
OK

Zip
73533

Telephone (AC) Number
580-251-9919

Date
August 6, 2015

*Remarks

OPERATOR

I declare under applicable Corporation Commission rule, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct and complete to the best of my knowledge. This certification covers all well data and information presented herein.

Signature of Operator or Authorized Representative

*Name & Title Printed or Typed

*Operator

*Address

*City

*State

*Zip

*Telephone (AC) Number

*Date

INSTRUCTIONS

1. A) This form shall be filed by the operator, at the O.C.C. office in Oklahoma City, as an attachment to the Completion Report (Form 1002A) for a producing well or a dry hole.
 B) An original of this form shall be filed as an attachment to the Completion Report, (Form 1002A), for each cementing company used on a well.
 C) The cementing of different casing strings on a well by one cementing company may be consolidated on one form.
2. Cementing Company and Operator shall comply with the applicable portions of OAC 165:10-3-4(h).
3. Set surface casing 50 feet below depth of treatable water to be protected and cement from casing shoe to ground surface or as allowed by OAC 165:10-3-4(h).
4. **IF SETTING ANYTHING OTHER THAN THE FULL AMOUNT OF SURFACE CASING, BE SURE TO FOLLOW CORPORATION COMMISSION RULES.**

Remarks
**Cement #1: Premium Plus (Class C): 2% Calcium Chloride
 1/4pps Cello-Flake * Cement # 2: 0: 0 * Cement #3: 0: 0
 * Cement #4: : * Cement #5: :**

CEMENTING COMPANY

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Name & Title Printed or Typed
Mike Hall

Address
**O-TEX Pumping LLC
 7303 N. Hwy 81**

City
Duncan

State
OK Zip
73533

Telephone (AC) Number
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Date
August 6, 2015

*Remarks

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 Signature of Operator or Authorized Representative

*Name & Title Printed or Typed

*Operator

*Address

*City

*State

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SERVICE ORDER CONTRACT

Customer Name Tapstone Energy Ticket Number SOK 5260
Lease & Well Number Ivan 22-34-9 IH Date 8/6/2015

As consideration, The Above Named customer Agrees:
O-TEX Pumping L.L.C. shall not be responsible for and customer shall secure O-TEX pumping against any liability for damage to property of customer and of the well owner (if different from customer), unless caused by the willful misconduct or gross negligence of O-TEX pumping, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.

O-TEX makes no guarantee to the effectiveness of the products, supplies, or materials, nor of the results of any treatment or services. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, O-TEX personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others except where due to O-TEX gross negligence or willful misconduct in the preparation or furnishing it.

Invoices payable NET 30 days following the date on the invoice.

Upon customers default in payment of the customers account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after at the highest lawful contract rate applicable but never to exceed 18% per annum in the event it becomes necessary to employ an attorney to enforce collection of said account.

Customer agrees to pay all collection costs and attorney fees in the amount of 25% of the unpaid account.

Service order: I authorize work to begin per service instructions in accordance with terms and conditions printed on this form and represent that I have authority to accept and sign this order.

**I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I
AM AUTHORIZED TO SIGN THE SAME AS CUSTOMERS AGENT.**

Customer Authorized Agent: _____

O-TEX / CUSTOMER QUALITY SURVEY		JOB INVOICE NUMBER SOK 5260	JOB DATE 8/6/2015
O-TEX LOCATION Fairview Oklahoma	CUSTOMER Tapstone Energy	WELL LOCATION (county/parish) Harper	CITY/TOWN Kansas
O-TEX SUPERVISOR Mike Hall	LEASE / WELL # Ivan 22-34-9 1H	(Legal's) SEC / TWP / R1G 27/34S/9W	
	JOB TYPE Surface	CUSTOMER REP. / PHONE 0	
	WELL TYPE Oil & Gas		0
			Nomac #7

O-TEX EMPLOYEES / JOB TIME	HRS	HRS	HRS
Mike Hall	0		
Joe Colonnesse	0		
Donnie Brown			
Cheryl Newton			

Dear Customer,

We hope that you were satisfied with the quality, service and performance of O-TEX Pumping L.L.C.. It is the objective of our company to deliver Quality equipment and service with fair pricing that will exceed anyone else in our industry. Please take the time to let us know if your experience with O-TEX met with your satisfaction. Please be as critical as possible so that you can help us achieve our goal and ensure that your expectations are at least met every time. Your comments are very important to us and will be kept in confidence between your company and O-TEX Pumping L.L.C.

Use either rating system YES Y NO N

RATING	DESCRIPTION	
5	Superior Performance	
4	Exceeded Expectations	
3	Met Expectations	
2	Below Expectations	
1	Poor Performance	

CATEGORY	CUSTOMER SATISFACTION RATING	RATING
Safety and Environmental	Did we perform in a safe & environmentally sound manner ?	
Timeliness	Did O-TEX respond and perform in a timely manner?	
Personnel	Did the O-TEX team perform to your expectations?	
Equipment	Did our equipment perform to your expectations?	
Product/ Material	Did we deliver products and materials to perform the designed job as you expected?	
Job Design	Did we Perform the job to the agreed upon design?	
Overall performance	Did we Perform in a manner that met your expectations?	

Comments

Customer Signature: _____

Job Data Sheet



COMPANY	Tapstone Energy	PROJECT NUMBER	SOK 5264	AFE/WORK ORDER	0	DATE	8/11/2015
CONTRACTOR	Owner	LEGAL DESCRIPTION	27/34S/9W				
LEASE & WELL #	Nomac #7	STATE	Kansas	MILEAGE	15-077-22153-01-00		
DIRECTIONS	Ivan 22-34-9 1H	COUNTY	Harper				100

KANSAS STATE LINE (NORTH OF BYRON OK) - HWY 58 & CR 60 - WEST SIDE OF RD

<input type="checkbox"/> Surface	<input checked="" type="checkbox"/> Intermediate	<input type="checkbox"/> Long String	<input type="checkbox"/> Plug Back
<input type="checkbox"/> Squeeze	<input type="checkbox"/> Acid	<input type="checkbox"/> PTA	<input type="checkbox"/> Other
7"	LTC	YES	YES
Number and Type Units	26#	YES	YES
Pump Truck & Bulk Materials		5,102	5,102
Remarks		Est. BHST	KOP
		155	
			9.2ppg WBM

LEAD	# of Sacks	Type	Additives
35.66	140	50/50 Poz Premium	
H2O TO MIX	Weight PPG	Yield Ft ³ /Sk	Water Gal/Sk
22.97	13.60	1.43	6.89
TAIL	# of Sacks	Type	Additives
13.31	90	Premium H	
H2O TO MIX	Weight PPG	Yield Ft ³ /Sk	Water Gal/Sk
11.38	15.60	1.18	5.31
# of Sacks	Type	Additives	
Weight PPG	Yield Ft ³ /Sk	Water Gal/Sk	
ACID	Type	Additives	
Initiator	Surfactant	clay cont.	
Spacer or Flush	Quantity	Type	Mudwash
Displace	Quantity	Type	200#s SAPP - 5 gallons Plexaid 803
Other	Quantity	Type	Additives

*****TAKE 7" TOP & BOTTOM PLUG*****

Crew Call	Cementer	Pumper	Bulky	Bulky	Bulky
Cheryl Newton	Kyle Laskowitz	Andrew Crawford			
CEOL					
Casing Size	7"	Casing Weight	26#	Thread	LTC
Guide Shoe		Float Shoe		Float Collar	Insert Float Valve
Centralizers - Number		Size		Type	
Wall Cleaners - Number		Type		MSC (DV Tool)	MSC Plug Set
Limit Clamps		Thread lock		Other	
Customer Rep.	0	Call Phone	0	Office Phone	Time of Call
Call Taken By	Jared Sisco				Date Ready
Crew Called	Cheryl Newton				Location Time
					Yard Time

SERVICE ORDER CONTRACT

Customer Name Tapstone Energy Ticket Number SOK 5264
Lease & Well Number Ivan 22-34-9 IH Date 8/11/2015

As consideration, The Above Named customer Agrees:

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O-TEX personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but

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Customer agrees to pay interest thereon after at the highest lawful contract rate applicable but never to exceed 18% per annum

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Customer agrees to pay all collection costs and attorney fees in the amount of 25% of the unpaid account.

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**I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I
AM AUTHORIZED TO SIGN THE SAME AS CUSTOMERS AGENT.**

Customer Authorized Agent: _____

LOCATION WATER TEST

General Information

Customer: Tapstone Energy Date: 8/11/2015
 Sales Order #: SOK 5264 Time: _____
 Lease Name & #: Ivan 22-34-9 1H Water Source: Rig Tank
 SL Name & Employee #: Cheryl Newton yellow

Test Results Sample #1

Temp	Field	85 ° F	Lab	Standards
pH		7.0	° F	Max Temp 120° F
Sulfates		70 mg/L		6.0 - 8.0
Chlorides		285 mg/L	mg/L	Less Than 1800 mg/L
Tannin & Lignin		no	mg/L	Less Than 3000 mg/L
Bicarbonates		Y/N	Y/N	No Trace
		n/a	mg/L	Less Than 500 mg/L

Test Results Sample #2

Temp	Field	° F	Lab	Standards
pH			° F	Max Temp 120° F
Sulfates		mg/L	mg/L	6.0 - 8.0
Chlorides		mg/L	mg/L	Less Than 1800 mg/L
Tannin & Lignin		Y/N	Y/N	Less Than 3000 mg/L
Bicarbonates			mg/L	No Trace
				Less Than 500 mg/L

Test Results Sample #3

Temp	Field	° F	Lab	Standards
pH			° F	Max Temp 120° F
Sulfates		mg/L	mg/L	6.0 - 8.0
Chlorides		mg/L	mg/L	Less Than 1800 mg/L
Tannin & Lignin		Y/N	Y/N	Less Than 3000 mg/L
Bicarbonates		XXXXXXXXXX	mg/L	No Trace
				Less Than 500 mg/L

Remarks:



Job Site Safety Meeting Attendance Sheet

Date: 8/11/2015

Job Site Leader: Cheryl Newton

Max Pressure: 5,000 psi PSI

Company - Lease - Well #: Tapstone Energy / Ivan 22-34-9 1H

Ticket #: SOK 5264

Employee Name *** Please Print ***	Employee Number	Unit Number	Trailer Number	Unit Type	Location	Company Name
---------------------------------------	-----------------	-------------	----------------	-----------	----------	--------------

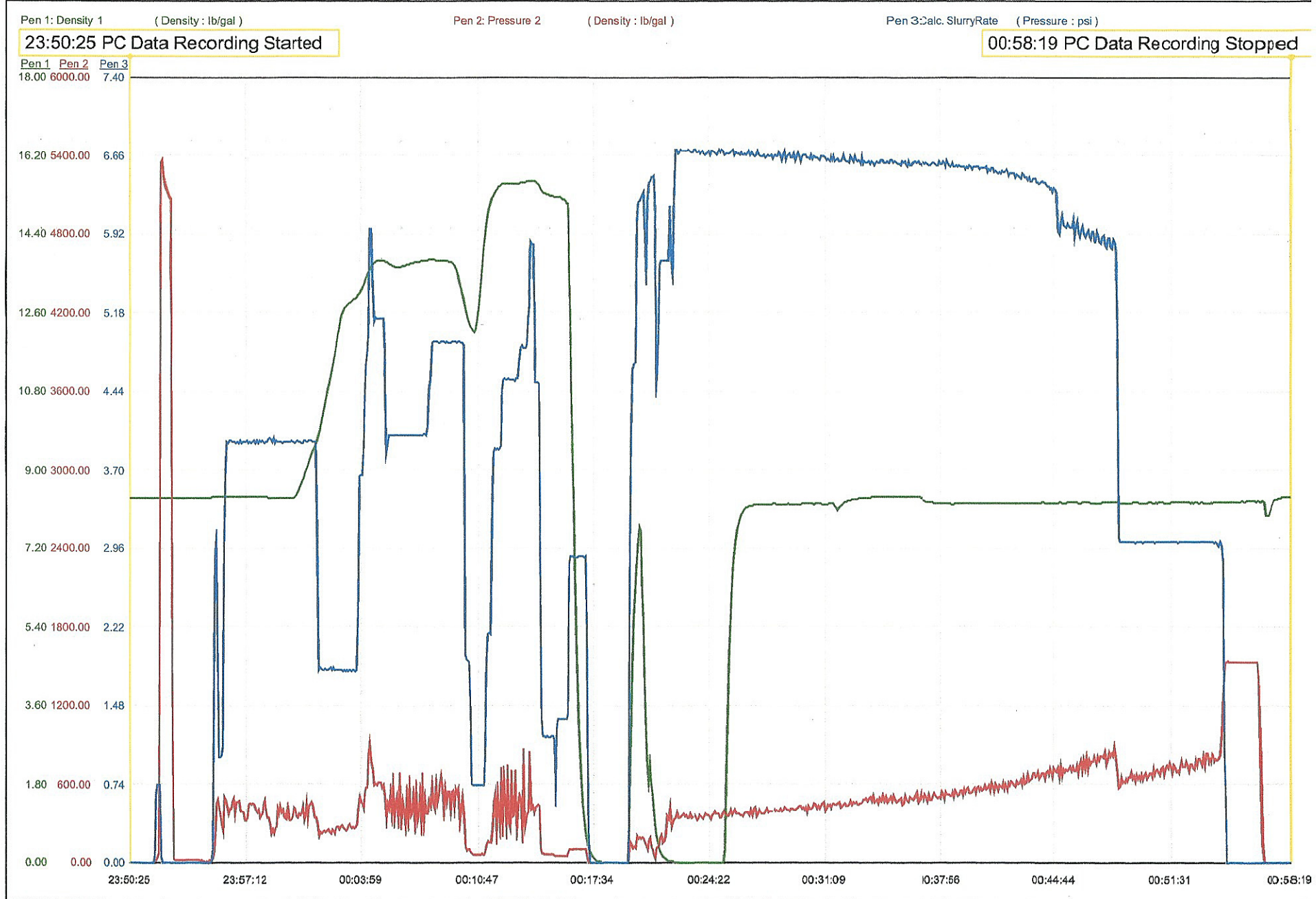
1	Cheryl Newton		530154	820041	pu/trl	Fairview	O-Tex
2	Kyle Laskowitz		980010	A245501	pump	Fairview	O-Tex
3	Andrew Crawford		880098	920056	bulk	Fairview	O-Tex
4							
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20							

Job Site Safety Leader: Cheryl Newton

Report all Minor Injuries, Accidents, Vehicle Accidents or Environmental Spills Immeadiately.

SERVICE COMPANY: OTEX PUMPING
TICKET NO: SOK 5264
CUSTOMER NAME: TAPSTONE ENERGY
WELL NAME: IVAN 22349 1H
WELL LOCATION: HARPER CO.

DATE RECORDED: 08/11/2015
JOB NO: SOK 5264
UNIT DESCRIPTION: SERVA TWIN
UNIT NOTES: INTERMEDIATE
FILE NAME: TAPSTONE ENERGY_IVAN 22349 1H_15_08_11_#1.csv



O-TEX PUMPING LLC

Service Location Fairview, Oklahoma
 Service Address 601 Industrial Blvd 73737

FIELD RECEIPT

Phone number 580-227-2727

Project Number: SOK 5264

Service Date: 8/12/2015
 Customer Tapstone Energy
 Address:
 City
 St
 Customer Rep 0
 Phone 0

Well Name: Ivan 22-34-9
 Well Number: 1H
 County: Harper
 State: Kansas
 API # 15-077-22153-01-00
 AFE # 0
 PERMIT #

JOB TYPE
 CASING SIZE
 Job Type Intermediate
 Serv. Sup. Cheryl Newton
 Page 1 of 1

Contract Number SSC-2015-0003

Pump 1 # A245501-Serya
 Pump 2 # 0

REF #	DESCRIPTION	U OF MEAS.	UNIT PRICE	QUAN	GROSS	%DISC	disc	NET
ML001	Pickup Mileage	per mile/ per Unit	\$ 4.26	100.0	\$426.00	78%	\$332.28	\$93.72
ML002	Pump Truck/Heavy Vehicle Mileage	per mile/ per Unit	\$ 7.32	100.0	\$732.00	78%	\$570.96	\$161.04
ML003	Bulk Cement Delivery/Return	per Ton-Mile	\$ 2.95	520.0	\$1,534.00	78%	\$1,196.52	\$337.48
MX001	Bulk Material Mixing Service Charge	per cuft	\$ 3.27	239.0	\$781.53	78%	\$609.59	\$171.94
CC006	Pump Charge 5001-6000*	(per 4 hrs)	\$ 4,671.81	1.0	\$4,671.81	78%	\$3,644.01	\$1,027.80
ML014	Fuel Surcharge *	per unit perjob	\$ 653.40	1.0	\$653.40	100%	\$653.40	\$0.00
AE014	Environmental Fee*	per job	\$ 228.69	1.0	\$228.69	100%	\$228.69	\$0.00
PC003	Employee/Supervisor Retention/perdiem	per job	\$ 1,306.80	4.0	\$5,227.20	78%	\$4,077.22	\$1,149.98
JM001	Data Acquisition System	Per Job	\$ 1,437.48	1.0	\$1,437.48	78%	\$1,121.23	\$316.25
AE003	Circulation Equipment(40' of equipment)	per job	\$ 1,633.50	1.0	\$1,633.50	78%	\$1,274.13	\$359.37
AE002	Cement Head with manifold	per job	\$ 1,176.12	1.0	\$1,176.12	78%	\$917.37	\$258.75
CL011	7" Top Rubber Plug	Each	\$ 203.28	1.0	\$203.28	35%	\$71.15	\$132.13
CL012	7" Bottom Rubber Plug	Each	\$ 440.44	1.0	\$440.44	35%	\$154.15	\$286.29
CSB002	50/50 Poz with Premium (Includes 2% Gel)	per sk	\$ 22.28	140.0	\$3,119.20	78%	\$2,432.98	\$686.22
CP002	H (Premium Cement) (94 lbs/ft3)	per sk	\$ 30.80	90.0	\$2,772.00	78%	\$2,162.16	\$609.84
CP005	GEL	per lb	\$ 0.68	235.0	\$159.80	78%	\$124.64	\$35.16
CPC29	FL-17 Fluid Loss Additive 80-140F	per lb	\$ 40.00	81.0	\$3,240.00	78%	\$2,527.20	\$712.80
PS008	Mud Wash	per gal	\$ 2.04	840.0	\$1,713.60	78%	\$1,336.61	\$376.99
CC015	Pump Charge Additional Hours	per hour/per unit	\$ 588.06	4.0	\$2,352.24	75%	\$1,764.18	\$588.06
AE012	Bulk Unit Additional Hours	Per unit/per hour	\$ 130.68	4.0	\$522.72	75%	\$392.04	\$130.68
					\$33,025.01		\$25,590.52	\$7,434.49

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMERS AGENT.

Customer Authorized Agent: _____

