

Calculated by HawkEye Software

Job Number: Sleepy 6 Surveys

Company: Jay Bee Oil

Lease/Well: Sleepy 6

Location: Northern

Rig Name: Jay Bee 28

State/Country: West Virginia/ Tyler

Country: USA

Elevation GL: 1109.00 ft

RKB: 16.00 ft

Projection System: US State Plane 1927 (Exact solution)

Projection Group: West Virginia North 4701

Projection Datum: CLARKE 1866

Magnetic Declination: -8.54°

Grid Convergence: -0.79016 W

Date: Monday, October 13, 2014

#	Measured Depth (Ft)	INC Deg	AZM Deg	CL (Ft)	TVD (Ft)	VS (Ft)	NS (Ft)	EW (Ft)	Northing (US ft)	Easting (US ft)	DLS %/100	UD/NS From-Plan	LR/EW From-Plan
1	.00	.00	.00	.00	.00	.00	.00	.00	357672.94	1650251.53	.00	-	-
2	100.00	1.34	177.75	100.00	99.99	-92	-1.17	.05	357671.77	1650251.58	1.34	-	-
3	200.00	2.33	115.94	100.00	199.95	-3.70	-3.23	1.92	357669.71	1650253.45	2.07	-	-
4	300.00	.81	80.98	100.00	299.91	-5.93	-4.00	4.45	357668.94	1650255.98	1.73	-	-
5	400.00	.53	337.19	100.00	399.90	-5.86	-3.47	4.97	357669.47	1650256.50	1.07	-	-
6	500.00	.67	278.18	100.00	499.90	-4.98	-2.96	4.21	357669.98	1650255.74	.60	-	-
7	600.00	3.03	228.94	100.00	599.84	-4.57	-4.61	1.63	357668.33	1650253.16	2.64	-	-
8	700.00	3.06	205.49	100.00	699.71	-5.69	-8.76	-1.51	357664.18	1650250.02	1.24	-	-
9	800.00	2.85	203.32	100.00	799.57	-7.88	-13.45	-3.64	357659.49	1650247.89	.24	-	-
10	900.00	2.76	210.37	100.00	899.45	-9.77	-17.81	-5.84	357655.13	1650245.69	.36	-	-
11	1000.00	2.86	213.53	100.00	999.33	-11.25	-21.97	-8.44	357650.97	1650243.09	.18	-	-
12	1100.00	2.86	222.72	100.00	1099.21	-12.24	-25.88	-11.51	357647.06	1650240.02	.46	-	-
13	1200.00	2.69	224.84	100.00	1199.09	-12.73	-29.38	-14.85	357643.56	1650236.68	.20	-	-
14	1300.00	2.79	226.75	100.00	1298.98	-13.04	-32.71	-18.28	357640.23	1650233.25	.14	-	-
15	1400.00	2.80	227.15	100.00	1398.86	-13.26	-36.04	-21.84	357636.90	1650229.69	.02	-	-
16	1500.00	2.68	228.91	100.00	1498.74	-13.39	-39.23	-25.40	357633.71	1650226.13	.15	-	-
17	1600.00	2.68	233.92	100.00	1598.64	-13.24	-42.15	-29.05	357630.79	1650222.48	.23	-	-
18	1700.00	2.70	224.57	100.00	1698.53	-13.27	-45.20	-32.59	357627.74	1650218.94	.44	-	-
19	1800.00	2.57	212.09	100.00	1798.42	-14.15	-48.78	-35.44	357624.16	1650216.09	.59	-	-
20	1900.00	2.12	190.63	100.00	1898.34	-15.99	-52.50	-36.97	357620.44	1650214.56	.98	-	-
21	2000.00	2.17	180.20	100.00	1998.27	-18.59	-56.21	-37.32	357616.73	1650214.21	.39	-	-
22	2100.00	1.86	185.78	100.00	2098.21	-21.15	-59.71	-37.49	357613.23	1650214.04	.37	-	-
23	2200.00	1.89	182.68	100.00	2198.15	-23.47	-62.98	-37.73	357609.96	1650213.80	.11	-	-

10/28/2016

#	Measured Depth (Ft)	INC Deg	AZM Deg	CL (Ft)	TVD (Ft)	VS (Ft)	NS (Ft)	EW (Ft)	Northing (US ft)	Easting (US ft)	DLS %/100	UD/NS From-Plan	LR/EW From-Plan
24	2300.00	1.65	192.95	100.00	2298.11	-25.53	-66.03	-38.13	357606.91	1650213.40	.40	-	-
25	2400.00	1.35	190.85	100.00	2398.07	-27.13	-68.59	-38.67	357604.35	1650212.86	.30	-	-
26	2500.00	1.10	188.72	100.00	2498.05	-28.49	-70.69	-39.04	357602.25	1650212.49	.25	-	-
27	2600.00	.78	180.02	100.00	2598.04	-29.64	-72.32	-39.18	357600.62	1650212.35	.35	-	-
28	2700.00	.62	181.32	100.00	2698.03	-30.56	-73.54	-39.20	357599.40	1650212.33	.16	-	-
29	2800.00	.40	185.38	100.00	2798.02	-31.21	-74.43	-39.24	357598.51	1650212.29	.22	-	-
30	2900.00	.59	228.79	100.00	2898.02	-31.46	-75.12	-39.66	357597.82	1650211.87	.41	-	-
31	3000.00	.44	236.78	100.00	2998.02	-31.42	-75.67	-40.37	357597.27	1650211.16	.17	-	-
32	3100.00	.60	251.71	100.00	3098.01	-31.17	-76.04	-41.19	357596.90	1650210.34	.21	-	-
33	3200.00	.44	248.32	100.00	3198.01	-30.85	-76.35	-42.04	357596.59	1650209.49	.16	-	-
34	3300.00	.22	263.38	100.00	3298.01	-30.62	-76.51	-42.59	357596.43	1650208.94	.23	-	-
35	3400.00	.15	253.61	100.00	3398.01	-30.46	-76.57	-42.91	357596.37	1650208.62	.08	-	-
36	3500.00	.13	244.61	100.00	3498.01	-30.38	-76.66	-43.13	357596.28	1650208.40	.03	-	-
37	3600.00	.19	236.53	100.00	3598.00	-30.33	-76.80	-43.37	357596.14	1650208.16	.06	-	-
38	3700.00	.19	232.56	100.00	3698.00	-30.30	-76.99	-43.64	357595.95	1650207.89	.01	-	-
39	3800.00	.22	225.19	100.00	3798.00	-30.31	-77.23	-43.91	357595.71	1650207.62	.04	-	-
40	3900.00	.29	234.56	100.00	3898.00	-30.30	-77.51	-44.25	357595.43	1650207.28	.08	-	-
41	4000.00	.21	250.79	100.00	3998.00	-30.21	-77.72	-44.63	357595.22	1650206.90	.11	-	-
42	4100.00	.30	228.35	100.00	4098.00	-30.15	-77.95	-45.00	357594.99	1650206.53	.13	-	-
43	4200.00	.09	202.53	100.00	4198.00	-30.19	-78.20	-45.23	357594.74	1650206.30	.22	-	-
44	4300.00	.10	190.46	100.00	4298.00	-30.28	-78.35	-45.27	357594.59	1650206.26	.02	-	-
45	4400.00	.14	88.97	100.00	4398.00	-30.41	-78.44	-45.17	357594.50	1650206.36	.19	-	-
46	4500.00	.18	66.31	100.00	4498.00	-30.54	-78.37	-44.90	357594.57	1650206.63	.07	-	-
47	4600.00	.48	359.73	100.00	4598.00	-30.26	-77.89	-44.76	357595.05	1650206.77	.44	-	-
48	4700.00	.52	358.10	100.00	4697.99	-29.59	-77.02	-44.78	357595.92	1650206.75	.04	-	-
49	4800.00	.57	359.16	100.00	4797.99	-28.85	-76.07	-44.80	357596.87	1650206.73	.05	-	-
50	4900.00	.50	357.34	100.00	4897.99	-28.12	-75.13	-44.83	357597.81	1650206.70	.07	-	-
51	5000.00	.57	354.70	100.00	4997.98	-27.37	-74.20	-44.89	357598.74	1650206.64	.07	-	-
52	5100.00	.58	339.73	100.00	5097.98	-26.49	-73.23	-45.11	357599.71	1650206.42	.15	-	-
53	5200.00	.79	331.69	100.00	5197.97	-25.34	-72.15	-45.62	357600.79	1650205.91	.23	-	-
54	5300.00	.44	336.78	100.00	5297.96	-24.30	-71.19	-46.10	357601.75	1650205.43	.35	-	-
55	5400.00	.58	349.65	100.00	5397.96	-23.49	-70.34	-46.34	357602.60	1650205.19	.18	-	-
56	5500.00	.82	359.26	100.00	5497.95	-22.50	-69.13	-46.44	357603.81	1650205.09	.27	-	-
57	5600.00	.79	355.14	100.00	5597.94	-21.39	-67.73	-46.51	357605.21	1650205.02	.07	-	-
58	5700.00	1.17	319.31	100.00	5697.93	-19.81	-66.26	-47.23	357606.68	1650204.30	.70	-	-
59	5800.00	1.07	307.80	100.00	5797.91	-17.88	-64.92	-48.63	357608.02	1650202.90	.25	-	-
60	5871.00	1.10	314.90	71.00	5868.90	-16.55	-64.03	-49.64	357608.91	1650201.89	.19	0.08 N	0.04 E
61	5913.00	1.00	314.90	42.00	5910.89	-15.78	-63.49	-50.18	357609.45	1650201.35	.24	0.14 N	0.11 E
62	5957.00	.90	311.20	44.00	5954.88	-15.06	-62.99	-50.72	357609.95	1650200.81	.27	0.13 N	0.23 E
63	6002.00	.90	283.30	45.00	5999.88	-14.42	-62.67	-51.33	357610.27	1650200.20	.96	-0.07 S	0.28 E

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64	6046.00	1.60	251.40	44.00	6043.87	-13.91	-62.79	-52.24	357610.15	1650199.29	2.19	-0.69 S	0.02 E
65	6090.00	2.10	240.80	44.00	6087.84	-13.53	-63.38	-53.53	357609.56	1650198.00	1.37	-1.78 S	-0.62 W
66	6135.00	2.90	234.70	45.00	6132.80	-13.27	-64.44	-55.18	357608.50	1650196.35	1.87	-3.36 S	-1.60 W
67	6179.00	4.00	230.20	44.00	6176.72	-13.15	-66.07	-57.27	357606.87	1650194.26	2.57	5.86 U	-2.27 L
68	6224.00	5.50	229.40	45.00	6221.57	-13.14	-68.47	-60.11	357604.47	1650191.42	3.34	8.19 U	-2.64 L
69	6269.00	7.10	229.30	45.00	6266.29	-13.16	-71.69	-63.86	357601.25	1650187.67	3.56	9.19 U	-2.42 L
70	6313.00	8.90	228.10	44.00	6309.86	-13.26	-75.74	-68.45	357597.20	1650183.08	4.11	8.69 U	-1.34 L
71	6358.00	14.50	226.20	45.00	6353.91	-13.68	-81.97	-75.11	357590.97	1650176.42	12.47	8.42 U	0.27 R
72	6402.00	19.70	226.40	44.00	6395.95	-14.41	-90.90	-84.47	357582.04	1650167.06	11.82	9.42 U	2.06 R
73	6446.00	24.20	221.30	44.00	6436.75	-16.12	-102.80	-95.80	357570.14	1650155.73	11.10	11.25 U	4.58 R
74	6491.00	28.10	217.20	45.00	6477.14	-19.72	-118.17	-108.30	357554.77	1650143.23	9.55	13.28 U	6.15 R
75	6533.00	32.80	216.50	42.00	6513.34	-24.42	-135.21	-121.05	357537.73	1650130.48	11.22	16.16 U	6.50 R
76	6578.00	36.70	215.40	45.00	6550.31	-30.47	-155.97	-136.10	357516.97	1650115.43	8.78	19.65 U	6.77 R
77	6622.00	40.20	213.00	44.00	6584.76	-37.74	-178.61	-151.45	357494.33	1650100.08	8.65	23.13 U	6.79 R
78	6666.00	43.80	213.60	44.00	6617.46	-45.98	-203.21	-167.62	357469.73	1650083.91	8.23	26.67 U	5.54 R
79	6711.00	46.80	215.60	45.00	6649.11	-54.23	-229.52	-185.79	357443.42	1650065.74	7.38	30.26 U	4.46 R
80	6755.00	49.30	216.30	44.00	6678.52	-61.93	-256.01	-205.00	357416.93	1650046.53	5.80	32.65 U	4.65 R
81	6799.00	53.00	219.40	44.00	6706.12	-68.86	-283.04	-226.04	357389.90	1650025.49	10.04	35.01 U	5.11 R
82	6844.00	56.40	221.30	45.00	6732.12	-74.73	-311.02	-249.82	357361.92	1650001.71	8.30	37.50 U	5.96 R
83	6888.00	59.70	223.10	44.00	6755.40	-79.51	-338.66	-274.90	357334.28	1649976.63	8.26	40.17 U	5.17 R
84	6932.00	62.50	225.70	44.00	6776.67	-82.97	-366.17	-301.86	357306.77	1649949.67	8.20	42.80 U	2.89 R
85	6976.00	65.80	227.10	44.00	6795.85	-85.15	-393.47	-330.53	357279.47	1649921.00	8.03	45.11 U	-0.42 L
86	7021.00	68.30	228.90	45.00	6813.40	-86.28	-421.19	-361.33	357251.75	1649890.20	6.67	47.20 U	-5.24 L
87	7066.00	68.10	230.00	45.00	6830.11	-86.37	-448.35	-393.07	357224.59	1649858.46	2.31	47.18 U	-11.39 L
88	7110.00	70.20	231.40	44.00	6845.77	-85.55	-474.39	-424.89	357198.55	1649826.64	5.62	45.40 U	-19.02 L
89	7155.00	72.90	234.10	45.00	6860.01	-83.18	-500.21	-458.87	357172.73	1649792.66	8.27	42.17 U	-28.23 L
90	7199.00	73.70	237.40	44.00	6872.66	-78.64	-523.93	-493.70	357149.01	1649757.83	7.41	37.82 U	-36.69 L
91	7243.00	75.30	237.30	44.00	6884.42	-72.90	-546.80	-529.40	357126.14	1649722.13	3.64	31.69 U	-46.25 L
92	7288.00	77.30	240.20	45.00	6895.07	-65.92	-569.47	-566.77	357103.47	1649684.76	7.68	23.90 U	-56.88 L
93	7332.00	79.50	242.90	44.00	6903.92	-56.97	-590.00	-604.66	357082.94	1649646.87	7.82	15.36 U	-66.92 L
94	7374.00	79.50	245.80	42.00	6911.58	-46.44	-607.87	-641.89	357065.07	1649609.64	6.79	7.57 U	-74.53 L
95	7418.00	82.20	248.90	44.00	6918.58	-33.17	-624.59	-681.97	357048.34	1649569.56	9.28	0.45 U	-80.16 L
96	7463.00	84.60	252.40	45.00	6923.75	-17.09	-639.40	-724.14	357033.54	1649527.39	9.39	-4.75 D	-83.35 L
97	7507.00	86.90	255.70	44.00	6927.01	1.09	-651.45	-766.32	357021.49	1649485.21	9.12	-8.00 D	-84.11 L
98	7552.00	88.80	258.20	45.00	6928.70	21.76	-661.61	-810.12	357011.33	1649441.41	6.97	-9.68 D	-82.84 L
99	7597.00	90.90	260.90	45.00	6928.82	44.25	-669.77	-854.37	357003.17	1649397.16	7.60	-9.80 D	-79.74 L
100	7641.00	91.60	267.10	44.00	6927.86	69.11	-674.36	-898.09	356998.58	1649353.44	14.18	-8.84 D	-74.25 L
101	7686.00	91.70	271.00	45.00	6926.56	97.70	-675.11	-943.06	356997.83	1649308.47	8.67	-7.55 D	-64.33 L
102	7730.00	90.60	272.90	44.00	6925.68	127.35	-673.61	-987.02	356999.33	1649264.51	4.99	-6.66 D	-51.63 L
103	7775.00	90.60	275.40	45.00	6925.21	158.93	-670.35	-1031.90	357002.59	1649219.63	5.56	-6.19 D	-36.87 L

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104	7819.00	92.20	278.40	44.00	6924.13	191.27	-665.07	-1075.56	357007.87	1649175.97	7.73	-5.12 D	-22.18 L
105	7864.00	93.30	282.20	45.00	6921.97	226.06	-657.04	-1119.78	357015.90	1649131.75	8.78	-2.96 D	-7.56 L
106	7908.00	92.50	284.20	44.00	6919.74	261.44	-647.00	-1162.56	357025.94	1649088.97	4.89	-0.73 D	5.34 R
107	7953.00	92.70	287.60	45.00	6917.70	298.85	-634.69	-1205.78	357038.25	1649045.75	7.56	1.31 U	17.29 R
108	7997.00	93.20	289.50	44.00	6915.44	336.50	-620.71	-1247.44	357052.23	1649004.09	4.46	3.58 U	27.20 R
109	8042.00	92.10	292.40	45.00	6913.36	375.96	-604.64	-1289.41	357068.30	1648962.12	6.89	5.66 U	35.65 R
110	8086.00	91.50	295.50	44.00	6911.97	415.61	-586.79	-1329.60	357086.15	1648921.93	7.17	7.04 U	42.66 R
111	8131.00	91.60	297.60	45.00	6910.76	457.01	-566.68	-1369.84	357106.26	1648881.69	4.67	8.26 U	47.90 R
112	8175.00	91.40	299.90	44.00	6909.61	498.12	-545.53	-1408.40	357127.41	1648843.13	5.25	9.41 U	51.30 R
113	8219.00	90.40	302.20	44.00	6908.91	539.83	-522.84	-1446.09	357150.10	1648805.44	5.70	10.10 U	52.54 R
114	8264.00	89.80	304.30	45.00	6908.84	583.01	-498.17	-1483.72	357174.77	1648767.81	4.85	10.18 U	52.13 R
115	8309.00	89.70	306.50	45.00	6909.03	626.64	-472.10	-1520.40	357200.84	1648731.13	4.89	9.98 U	49.30 R
116	8353.00	89.20	310.60	44.00	6909.45	669.82	-444.69	-1554.80	357228.25	1648696.73	9.39	9.56 U	45.37 R
117	8398.00	90.10	314.00	45.00	6909.73	714.45	-414.41	-1588.07	357258.53	1648663.46	7.82	9.28 U	40.46 R
118	8442.00	90.20	317.80	44.00	6909.61	758.35	-382.82	-1618.69	357290.12	1648632.84	8.64	9.40 U	34.71 R
119	8486.00	88.90	321.30	44.00	6909.96	802.34	-349.34	-1647.23	357323.60	1648604.30	8.49	9.05 U	28.38 R
120	8530.00	88.70	325.10	44.00	6910.88	846.24	-314.12	-1673.58	357358.82	1648577.95	8.65	8.13 U	21.06 R
121	8575.00	90.20	328.30	45.00	6911.31	890.88	-276.52	-1698.28	357396.42	1648553.25	7.85	7.70 U	13.19 R
122	8619.00	93.50	330.70	44.00	6909.89	934.19	-238.64	-1720.59	357434.30	1648530.94	9.27	9.14 U	6.68 R
123	8663.00	94.60	331.20	44.00	6906.79	977.21	-200.27	-1741.90	357472.67	1648509.63	2.74	12.27 U	1.40 R
124	8708.00	94.20	332.00	45.00	6903.33	1021.10	-160.80	-1763.24	357512.14	1648488.29	1.98	15.72 U	-3.44 L
125	8753.00	92.20	332.80	45.00	6900.82	1064.90	-120.99	-1784.06	357551.95	1648467.47	4.79	18.20 U	-7.58 L
126	8798.00	90.40	334.80	45.00	6899.80	1108.51	-80.62	-1803.92	357592.32	1648447.61	5.98	19.21 U	-10.62 L
127	8842.00	90.50	335.40	44.00	6899.46	1150.90	-40.71	-1822.44	357632.23	1648429.09	1.38	19.56 U	-12.65 L
128	8887.00	89.30	336.60	45.00	6899.53	1194.06	.39	-1840.75	357673.33	1648410.78	3.77	19.48 U	-14.00 L
129	8931.00	89.40	336.70	44.00	6900.03	1236.11	40.79	-1858.18	357713.73	1648393.35	.32	18.98 U	-14.85 L
130	8974.00	89.30	336.60	43.00	6900.52	1277.22	80.26	-1875.23	357753.20	1648376.30	.33	18.49 U	-15.68 L
131	9018.00	89.60	336.70	44.00	6900.94	1319.27	120.66	-1892.67	357793.60	1648358.86	.72	18.07 U	-16.52 L
132	9062.00	88.90	338.00	44.00	6901.52	1361.17	161.26	-1909.61	357834.20	1648341.92	3.36	17.50 U	-16.83 L
133	9107.00	88.80	338.50	45.00	6902.42	1403.79	203.05	-1926.28	357875.99	1648325.25	1.13	16.59 U	-16.45 L
134	9152.00	88.70	338.50	45.00	6903.40	1446.34	244.91	-1942.77	357917.85	1648308.76	.22	15.61 U	-15.86 L
135	9196.00	88.40	338.10	44.00	6904.52	1488.00	285.78	-1959.03	357958.72	1648292.50	1.14	14.50 U	-15.43 L
136	9240.00	88.30	337.50	44.00	6905.78	1529.77	326.50	-1975.65	357999.44	1648275.88	1.38	13.23 U	-15.39 L
137	9285.00	89.40	337.70	45.00	6906.69	1572.55	368.09	-1992.79	358041.03	1648258.74	2.48	12.33 U	-15.51 L
138	9329.00	89.00	337.30	44.00	6907.30	1614.41	408.74	-2009.63	358081.68	1648241.90	1.29	11.71 U	-15.70 L
139	9371.00	89.00	337.20	42.00	6908.03	1654.42	447.46	-2025.87	358120.40	1648225.66	.24	10.98 U	-16.07 L
140	9416.00	91.40	337.70	45.00	6907.88	1697.25	489.02	-2043.13	358161.96	1648208.40	5.45	11.14 U	-16.31 L
141	9461.00	91.60	336.90	45.00	6906.70	1740.09	530.52	-2060.48	358203.46	1648191.05	1.83	12.32 U	-16.67 L
142	9505.00	91.70	336.70	44.00	6905.43	1782.10	570.95	-2077.81	358243.89	1648173.72	.51	13.59 U	-17.40 L
143	9548.00	91.90	336.00	43.00	6904.08	1823.25	610.31	-2095.05	358283.25	1648156.48	1.69	14.94 U	-18.47 L

10/28/2016

#	Measured Depth (Ft)	INC Deg	AZM Deg	CL (Ft)	TVD (Ft)	VS (Ft)	NS (Ft)	EW (Ft)	Northing (US ft)	Easting (US ft)	DLS %/100	UD/NS From-Plan	LR/EW From-Plan
144	9592.00	89.90	337.00	44.00	6903.39	1865.34	650.66	-2112.59	358323.60	1648138.94	5.08	15.62 U	-19.41 L
145	9637.00	89.80	337.50	45.00	6903.51	1908.21	692.16	-2130.00	358365.10	1648121.53	1.13	15.50 U	-19.80 L
146	9681.00	89.60	337.30	44.00	6903.74	1950.10	732.78	-2146.90	358405.72	1648104.63	.64	15.27 U	-20.07 L
147	9725.00	89.50	337.00	44.00	6904.08	1992.04	773.32	-2163.99	358446.26	1648087.54	.72	14.93 U	-20.53 L
148	9770.00	89.70	337.00	45.00	6904.40	2034.97	814.74	-2181.57	358487.68	1648069.96	.44	14.61 U	-21.12 L
149	9814.00	89.50	337.10	44.00	6904.71	2076.94	855.26	-2198.73	358528.20	1648052.80	.51	14.31 U	-21.66 L
150	9859.00	89.90	337.00	45.00	6904.94	2119.86	896.70	-2216.27	358569.64	1648035.26	.92	14.07 U	-22.21 L
151	9903.00	89.90	336.90	44.00	6905.02	2161.85	937.19	-2233.50	358610.13	1648018.03	.23	13.99 U	-22.83 L
152	9947.00	90.20	336.50	44.00	6904.98	2203.90	977.60	-2250.91	358650.54	1648000.62	1.14	14.03 U	-23.64 L
153	9991.00	90.30	336.90	44.00	6904.79	2245.95	1018.01	-2268.31	358690.95	1647983.22	.94	14.23 U	-24.44 L
154	10036.00	90.60	337.10	45.00	6904.43	2288.88	1059.43	-2285.89	358732.37	1647965.64	.80	14.58 U	-25.03 L
155	10080.00	90.90	337.00	44.00	6903.86	2330.84	1099.94	-2303.05	358772.88	1647948.48	.72	15.16 U	-25.57 L
156	10124.00	90.00	338.50	44.00	6903.51	2372.65	1140.66	-2319.71	358813.60	1647931.82	3.98	15.50 U	-25.57 L
157	10169.00	90.00	338.90	45.00	6903.51	2415.16	1182.59	-2336.05	358855.53	1647915.48	.89	15.50 U	-24.83 L
158	10213.00	90.20	339.00	44.00	6903.44	2456.67	1223.65	-2351.86	358896.59	1647899.67	.51	15.58 U	-23.91 L
159	10257.00	90.70	339.10	44.00	6903.09	2498.15	1264.74	-2367.59	358937.68	1647883.94	1.16	15.92 U	-22.91 L
160	10301.00	91.30	339.20	44.00	6902.32	2539.60	1305.86	-2383.25	358978.80	1647868.28	1.38	16.69 U	-21.83 L
161	10346.00	89.40	338.60	45.00	6902.05	2582.06	1347.84	-2399.45	359020.78	1647852.08	4.43	16.97 U	-20.93 L
162	10390.00	89.70	338.80	44.00	6902.39	2623.63	1388.83	-2415.43	359061.77	1647836.10	.82	16.62 U	-20.21 L
163	10435.00	89.80	338.70	45.00	6902.59	2666.13	1430.77	-2431.74	359103.71	1647819.79	.31	16.42 U	-19.42 L
164	10479.00	89.90	338.20	44.00	6902.71	2707.76	1471.69	-2447.90	359144.63	1647803.63	1.16	16.31 U	-18.88 L
165	10523.00	89.50	337.50	44.00	6902.94	2749.54	1512.44	-2464.49	359185.38	1647787.04	1.83	16.08 U	-18.80 L
166	10568.00	89.60	336.60	45.00	6903.29	2792.46	1553.88	-2482.03	359226.82	1647769.50	2.01	15.72 U	-19.36 L
167	10612.00	89.70	336.40	44.00	6903.56	2834.55	1594.23	-2499.58	359267.17	1647751.95	.51	15.46 U	-20.32 L
168	10657.00	89.90	336.50	45.00	6903.71	2877.61	1635.48	-2517.56	359308.42	1647733.97	.50	15.30 U	-21.34 L
169	10701.00	90.20	336.40	44.00	6903.68	2919.72	1675.82	-2535.14	359348.76	1647716.39	.72	15.34 U	-22.34 L
170	10745.00	90.40	336.70	44.00	6903.45	2961.80	1716.18	-2552.65	359389.12	1647698.88	.82	15.57 U	-23.27 L
171	10790.00	90.80	336.50	45.00	6902.97	3004.82	1757.48	-2570.52	359430.42	1647681.01	.99	16.04 U	-24.17 L
172	10834.00	90.50	337.20	44.00	6902.48	3046.83	1797.93	-2587.82	359470.87	1647663.71	1.73	16.54 U	-24.86 L
173	10878.00	90.60	337.30	44.00	6902.05	3088.75	1838.51	-2604.83	359511.45	1647646.70	.32	16.96 U	-25.24 L
174	10922.00	90.00	338.60	44.00	6901.82	3130.51	1879.29	-2621.35	359552.23	1647630.18	3.25	17.19 U	-25.09 L
175	10967.00	90.10	337.60	45.00	6901.78	3173.17	1921.04	-2638.13	359593.98	1647613.40	2.23	17.23 U	-24.81 L
176	11011.00	89.10	338.50	44.00	6902.09	3214.90	1961.85	-2654.58	359634.79	1647596.95	3.06	16.92 U	-24.59 L
177	11056.00	89.00	338.60	45.00	6902.84	3257.45	2003.73	-2671.03	359676.67	1647580.50	.31	16.18 U	-23.96 L
178	11100.00	89.10	338.50	44.00	6903.57	3299.05	2044.67	-2687.12	359717.61	1647564.41	.32	15.45 U	-23.35 L
179	11142.00	88.90	338.30	42.00	6904.30	3338.80	2083.72	-2702.58	359756.66	1647548.95	.67	14.72 U	-22.87 L
180	11184.00	88.90	338.90	42.00	6905.11	3378.49	2122.82	-2717.90	359795.76	1647533.63	1.43	13.91 U	-22.26 L
181	11228.00	88.80	339.10	44.00	6905.99	3419.98	2163.88	-2733.67	359836.82	1647517.86	.51	13.03 U	-21.30 L
182	11273.00	88.90	339.40	45.00	6906.89	3462.34	2205.96	-2749.61	359878.90	1647501.92	.70	12.12 U	-20.13 L
183	11317.00	88.80	339.50	44.00	6907.77	3503.71	2247.15	-2765.05	359920.09	1647486.48	.32	11.24 U	-18.82 L

10/28/2016

#	Measured Depth (Ft)	INC Deg	AZM Deg	CL (Ft)	TVD (Ft)	VS (Ft)	NS (Ft)	EW (Ft)	Northing (US ft)	Easting (US ft)	DLS %/100	UD/NS From-Plan	LR/EW From-Plan
184	11361.00	88.90	339.70	44.00	6908.66	3545.04	2288.38	-2780.38	359961.32	1647471.15	.51	10.36 U	-17.40 L
185	11404.00	89.00	339.80	43.00	6909.45	3585.40	2328.72	-2795.26	360001.66	1647456.27	.33	9.57 U	-15.90 L
186	11448.00	88.90	340.30	44.00	6910.25	3626.61	2370.07	-2810.27	360043.01	1647441.26	1.16	8.76 U	-14.15 L
187	11493.00	88.90	340.20	45.00	6911.12	3668.70	2412.41	-2825.48	360085.35	1647426.05	.22	7.90 U	-12.18 L
188	11537.00	88.70	339.90	44.00	6912.04	3709.91	2453.76	-2840.49	360126.70	1647411.04	.82	6.98 U	-10.41 L
189	11581.00	88.70	339.20	44.00	6913.04	3751.25	2494.98	-2855.86	360167.92	1647395.67	1.59	5.98 U	-9.02 L
190	11626.00	90.10	339.10	45.00	6913.51	3793.65	2537.03	-2871.87	360209.97	1647379.66	3.12	5.51 U	-7.92 L
191	11670.00	89.80	338.70	44.00	6913.55	3835.17	2578.08	-2887.71	360251.02	1647363.82	1.14	5.47 U	-7.04 L
192	11714.00	90.10	338.40	44.00	6913.58	3876.77	2619.03	-2903.80	360291.97	1647347.73	.96	5.43 U	-6.42 L
193	11757.00	90.00	338.60	43.00	6913.55	3917.45	2659.04	-2919.56	360331.98	1647331.97	.52	5.47 U	-5.86 L
194	11801.00	89.90	338.80	44.00	6913.58	3959.02	2700.04	-2935.54	360372.98	1647315.99	.51	5.43 U	-5.13 L
195	11845.00	90.00	338.80	44.00	6913.62	4000.56	2741.06	-2951.45	360414.00	1647300.08	.23	5.39 U	-4.33 L
196	11890.00	89.90	338.70	45.00	6913.66	4043.06	2783.00	-2967.76	360455.94	1647283.77	.31	5.35 U	-3.54 L
197	11934.00	90.20	338.40	44.00	6913.62	4084.67	2823.95	-2983.85	360496.89	1647267.68	.96	5.39 U	-2.93 L
198	11979.00	90.30	338.00	45.00	6913.43	4127.31	2865.73	-3000.57	360538.67	1647250.96	.92	5.59 U	-2.58 L
199	12023.00	90.30	337.30	44.00	6913.20	4169.14	2906.43	-3017.30	360579.37	1647234.23	1.59	5.82 U	-2.66 L
200	12067.00	90.30	336.90	44.00	6912.97	4211.10	2946.96	-3034.42	360619.90	1647217.11	.91	6.05 U	-3.16 L
201	12112.00	90.10	336.80	45.00	6912.81	4254.07	2988.33	-3052.11	360661.27	1647199.42	.50	6.20 U	-3.86 L
202	12156.00	90.20	337.10	44.00	6912.69	4296.06	3028.82	-3069.34	360701.76	1647182.19	.72	6.32 U	-4.48 L
203	12200.00	89.80	336.30	44.00	6912.69	4338.10	3069.23	-3086.74	360742.17	1647164.79	2.03	6.32 U	-5.29 L
204	12245.00	89.20	335.60	45.00	6913.09	4381.28	3110.32	-3105.08	360783.26	1647146.45	2.05	5.93 U	-6.70 L
205	12289.00	89.30	334.80	44.00	6913.66	4423.64	3150.26	-3123.53	360823.20	1647128.00	1.83	5.35 U	-8.56 L
206	12333.00	89.10	334.10	44.00	6914.28	4466.16	3189.95	-3142.51	360862.89	1647109.02	1.65	4.74 U	-10.53 L
207	12377.00	89.10	334.60	44.00	6914.97	4508.70	3229.61	-3161.55	360902.55	1647089.98	1.14	4.04 U	-12.44 L
208	12421.00	88.70	334.60	44.00	6915.81	4551.19	3269.35	-3180.42	360942.29	1647071.11	.91	3.20 U	-14.15 L
209	12466.00	88.30	334.10	45.00	6916.99	4594.69	3309.90	-3199.89	360982.84	1647051.64	1.42	2.02 U	-16.11 L
210	12511.00	89.10	335.10	45.00	6918.01	4638.13	3350.54	-3219.19	361023.48	1647032.34	2.85	1.00 U	-17.85 L
211	12555.00	89.10	334.80	44.00	6918.70	4680.55	3390.40	-3237.82	361063.34	1647013.71	.68	0.31 U	-19.30 L
212	12600.00	90.20	338.50	45.00	6918.98	4723.56	3431.71	-3255.65	361104.65	1646995.88	8.58	0.04 U	-19.44 L
213	12644.00	90.40	342.20	44.00	6918.75	4764.69	3473.14	-3270.44	361146.08	1646981.09	8.42	0.27 U	-16.81 L
214	12689.00	90.90	342.10	45.00	6918.24	4806.24	3515.97	-3284.24	361188.91	1646967.29	1.13	0.78 U	-12.62 L
215	12733.00	91.30	341.40	44.00	6917.39	4846.97	3557.74	-3298.01	361230.68	1646953.52	1.83	1.62 U	-8.82 L
216	12775.00	91.20	340.40	42.00	6916.48	4886.09	3597.42	-3311.75	361270.36	1646939.78	2.39	2.54 U	-5.83 L
217	12817.00	91.10	340.00	42.00	6915.63	4925.39	3636.93	-3325.98	361309.87	1646925.55	.98	3.38 U	-3.36 L
218	12861.00	91.00	339.60	44.00	6914.83	4966.66	3678.22	-3341.17	361351.16	1646910.36	.94	4.19 U	-1.08 L
219	12906.00	91.70	339.80	45.00	6913.77	5008.90	3720.41	-3356.78	361393.35	1646894.75	1.62	5.25 U	1.18 R
220	12950.00	90.40	339.20	44.00	6912.96	5050.26	3761.62	-3372.18	361434.56	1646879.35	3.25	6.05 U	3.22 R
221	12994.00	89.30	338.20	44.00	6913.08	5091.83	3802.61	-3388.16	361475.55	1646863.37	3.38	5.94 U	4.65 R
222	13039.00	89.70	339.30	45.00	6913.47	5134.33	3844.55	-3404.47	361517.49	1646847.06	2.60	5.55 U	6.16 R
223	13083.00	90.80	339.60	44.00	6913.28	5175.71	3885.75	-3419.92	361558.69	1646831.61	2.59	5.74 U	8.18 R

10/28/2016

#	Measured Depth (Ft)	INC Deg	AZIM Deg	CL (Ft)	TVD (Ft)	VS (Ft)	NS (Ft)	EW (Ft)	Northing (US ft)	Easting (US ft)	DLS %/100	UD/NS From-Plan	LR/EW From-Plan
224	13127.00	91.00	339.70	44.00	6912.59	5217.03	3927.00	-3435.22	361599.94	1646816.31	.51	6.43 U	10.35 R
225	13172.00	91.00	339.40	45.00	6911.80	5259.31	3969.15	-3450.94	361642.09	1646800.59	.67	7.21 U	12.48 R
226	13216.00	90.90	339.20	44.00	6911.07	5300.72	4010.31	-3466.49	361683.25	1646785.04	.51	7.94 U	14.37 R
227	13258.00	91.10	339.50	42.00	6910.34	5340.24	4049.60	-3481.30	361722.54	1646770.23	.86	8.68 U	16.22 R
228	13303.00	90.90	339.20	45.00	6909.55	5382.58	4091.70	-3497.16	361764.64	1646754.37	.80	9.46 U	18.19 R
229	13340.00	91.10	339.10	37.00	6908.91	5417.43	4126.28	-3510.33	361799.22	1646741.20	.60	10.11 U	19.69 R
Proj to bit													
231	13395.00	91.10	330.10	55.00	6907.85	5470.49	4175.90	-3533.89	361848.84	1646717.64	16.36	-	-