

**Job Number:** Sleepy 3 Surveys  
**Company:** Jay Bee Oil  
**Lease/Well:** Sleepy 3  
**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:** -0.79010 W  
**Date:** Tuesday, October 21, 2014

Received  
 Office of Oil & Gas

MAR 27 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	UDINS From-Plan	LR/EW From-Plan
1	.00	.00	.00	.00	.00	.00	.00	.00	357636.57	1650277.69	.00	-	-
2	100.00	.51	75.68	100.00	100.00	.19	.11	.43	357636.68	1650278.12	.51	-	-
3	200.00	1.25	90.35	100.00	199.99	1.08	.21	1.95	357636.78	1650279.64	.77	-	-
4	300.00	1.07	115.14	100.00	299.97	2.62	-.19	3.89	357636.38	1650281.58	.53	-	-
5	400.00	.44	148.69	100.00	399.96	3.84	-.91	4.93	357635.66	1650282.62	.74	-	-
6	500.00	.52	154.37	100.00	499.95	4.66	-1.65	5.33	357634.92	1650283.02	.09	-	-
7	600.00	2.82	319.40	100.00	599.92	2.65	-.19	3.92	357636.38	1650281.61	3.33	-	-
8	700.00	2.84	356.94	100.00	699.81	-1.81	4.15	2.19	357640.72	1650279.88	1.82	-	-
9	800.00	2.31	12.58	100.00	799.71	-5.04	8.59	2.50	357645.16	1650280.19	.88	-	-
10	900.00	2.17	9.72	100.00	899.63	-7.51	12.42	3.26	357648.99	1650280.95	.18	-	-
11	1000.00	2.04	3.54	100.00	999.56	-10.05	16.07	3.69	357652.64	1650281.38	.26	-	-
12	1100.00	1.74	3.52	100.00	1099.51	-12.46	19.36	3.89	357655.93	1650281.58	.30	-	-
13	1200.00	1.49	346.22	100.00	1199.47	-14.74	22.14	3.67	357658.71	1650281.36	.54	-	-
14	1300.00	1.19	333.12	100.00	1299.44	-16.93	24.32	2.89	357660.89	1650280.58	.43	-	-
15	1400.00	.95	322.75	100.00	1399.42	-18.77	25.91	1.92	357662.48	1650279.61	.31	-	-
16	1500.00	.90	321.91	100.00	1499.41	-20.38	27.19	.94	357663.76	1650278.63	.05	-	-
17	1600.00	1.00	312.97	100.00	1599.40	-22.03	28.40	-.19	357664.97	1650277.50	.18	-	-
18	1700.00	.59	297.93	100.00	1699.39	-23.37	29.24	-1.28	357665.81	1650276.41	.46	-	-
19	1800.00	.51	276.93	100.00	1799.38	-24.17	29.53	-2.18	357666.10	1650275.51	.22	-	-
20	1900.00	.98	230.10	100.00	1899.37	-24.49	29.04	-3.27	357665.61	1650274.42	.73	-	-
21	2000.00	.80	177.57	100.00	1999.36	-23.93	27.79	-3.90	357664.36	1650273.79	.80	-	-
22	2100.00	.55	174.55	100.00	2099.36	-22.97	26.62	-3.83	357663.19	1650273.86	.25	-	-
23	2200.00	.35	170.91	100.00	2199.35	-22.31	25.84	-3.73	357662.41	1650273.96	.20	-	-

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24	2300.00	.38	169.61	100.00	2299.35	-21.76	25.21	-3.62	357661.78	1650274.07	.03	-	-
25	2400.00	.50	174.44	100.00	2399.35	-21.11	24.45	-3.52	357661.02	1650274.17	.13	-	-
26	2500.00	.48	178.13	100.00	2499.35	-20.41	23.60	-3.47	357660.17	1650274.22	.04	-	-
27	2600.00	.50	189.46	100.00	2599.34	-19.79	22.75	-3.52	357659.32	1650274.17	.10	-	-
28	2700.00	.29	196.79	100.00	2699.34	-19.37	22.07	-3.67	357658.64	1650274.02	.22	-	-
29	2800.00	.51	232.56	100.00	2799.34	-19.24	21.56	-4.10	357658.13	1650273.59	.32	-	-
30	2900.00	.53	249.04	100.00	2899.33	-19.40	21.12	-4.88	357657.69	1650272.81	.15	-	-
31	3000.00	.38	259.30	100.00	2999.33	-19.71	20.90	-5.64	357657.47	1650272.05	.17	-	-
32	3100.00	.29	261.50	100.00	3099.33	-20.00	20.80	-6.21	357657.37	1650271.48	.09	-	-
33	3200.00	.28	258.89	100.00	3199.33	-20.25	20.71	-6.70	357657.28	1650270.99	.02	-	-
34	3300.00	.23	255.32	100.00	3299.33	-20.45	20.62	-7.14	357657.19	1650270.55	.05	-	-
35	3400.00	.11	256.51	100.00	3399.33	-20.58	20.54	-7.43	357657.11	1650270.26	.12	-	-
36	3500.00	.27	233.01	100.00	3499.32	-20.63	20.38	-7.71	357656.95	1650269.98	.17	-	-
37	3600.00	.20	243.82	100.00	3599.32	-20.68	20.16	-8.05	357656.73	1650269.64	.08	-	-
38	3700.00	.32	234.48	100.00	3699.32	-20.74	19.92	-8.44	357656.49	1650269.25	.13	-	-
39	3800.00	.28	232.70	100.00	3799.32	-20.77	19.61	-8.86	357656.18	1650268.83	.04	-	-
40	3900.00	.37	230.47	100.00	3899.32	-20.78	19.26	-9.30	357655.83	1650268.39	.09	-	-
41	4000.00	.23	216.48	100.00	3999.32	-20.73	18.89	-9.67	357655.46	1650268.02	.16	-	-
42	4100.00	.11	188.13	100.00	4099.32	-20.61	18.63	-9.80	357655.20	1650267.89	.14	-	-
43	4200.00	.21	121.58	100.00	4199.32	-20.38	18.44	-9.66	357655.01	1650268.03	.19	-	-
44	4300.00	.22	32.64	100.00	4299.32	-20.26	18.51	-9.40	357655.08	1650268.29	.30	-	-
45	4400.00	.20	356.69	100.00	4399.32	-20.46	18.84	-9.31	357655.41	1650268.38	.13	-	-
46	4500.00	.16	345.09	100.00	4499.32	-20.73	19.15	-9.35	357655.72	1650268.34	.05	-	-
47	4600.00	.25	338.15	100.00	4599.32	-21.06	19.49	-9.47	357656.06	1650268.22	.09	-	-
48	4700.00	.54	330.83	100.00	4699.31	-21.73	20.10	-9.78	357656.67	1650267.91	.29	-	-
49	4800.00	.68	326.43	100.00	4799.31	-22.79	21.01	-10.34	357657.58	1650267.35	.15	-	-
50	4900.00	.74	326.40	100.00	4899.30	-24.02	22.04	-11.02	357658.61	1650266.67	.06	-	-
51	5000.00	1.03	333.29	100.00	4999.29	-25.54	23.38	-11.79	357659.95	1650265.90	.31	-	-
52	5100.00	1.08	337.63	100.00	5099.27	-27.32	25.06	-12.55	357661.63	1650265.14	.09	-	-
53	5200.00	1.07	330.77	100.00	5199.25	-29.14	26.74	-13.36	357663.31	1650264.33	.13	-	-
54	5300.00	.84	324.44	100.00	5299.24	-30.79	28.16	-14.25	357664.73	1650263.44	.25	-	-
55	5400.00	.65	324.08	100.00	5399.23	-32.08	29.21	-15.00	357665.78	1650262.69	.19	-	-
56	5500.00	.64	329.03	100.00	5499.22	-33.20	30.15	-15.62	357666.72	1650262.07	.06	-	-
57	5600.00	.60	338.87	100.00	5599.22	-34.25	31.12	-16.10	357667.69	1650261.59	.11	-	-
58	5700.00	.83	344.41	100.00	5699.21	-35.41	32.30	-16.48	357668.87	1650261.21	.24	-	-
59	5800.00	.64	335.10	100.00	5799.20	-36.61	33.51	-16.91	357670.08	1650260.78	.22	0.00 S	0.00 W
60	5825.00	.80	351.70	25.00	5824.20	-36.90	33.81	-17.00	357670.38	1650260.69	1.05	0.04 N	0.03 E
61	5869.00	.60	2.80	44.00	5868.20	-37.33	34.34	-17.03	357670.91	1650260.66	.55	0.13 N	0.20 E
62	5913.00	.50	43.90	44.00	5912.20	-37.52	34.71	-16.89	357671.28	1650260.80	.90	0.05 N	0.56 E
63	5956.00	.40	50.80	43.00	5955.19	-37.54	34.94	-16.64	357671.51	1650261.05	.26	-0.15 S	1.00 E

10/28/2016

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64	6001.00	.20	30.60	45.00	6000.19	-37.57	35.11	-16.48	357671.68	1650261.21	.50	-0.44 S	1.38 E
65	6045.00	.30	353.00	44.00	6044.19	-37.69	35.29	-16.45	357671.86	1650261.24	.42	-0.71 S	1.61 E
66	6090.00	.20	334.50	45.00	6089.19	-37.87	35.47	-16.50	357672.04	1650261.19	.28	-0.97 S	1.77 E
67	6134.00	.30	323.20	44.00	6133.19	-38.06	35.64	-16.60	357672.21	1650261.09	.25	-1.26 S	1.88 E
68	6178.00	.50	346.70	44.00	6177.19	-38.35	35.91	-16.72	357672.48	1650260.97	.58	-1.42 S	1.97 E
69	6220.00	.40	352.20	42.00	6219.19	-38.63	36.24	-16.78	357672.81	1650260.91	.26	-1.53 S	2.11 E
70	6264.00	.40	328.50	44.00	6263.19	-38.92	36.52	-16.88	357673.09	1650260.81	.37	-1.69 S	2.21 E
71	6309.00	.70	158.40	45.00	6308.19	-38.81	36.40	-16.86	357672.97	1650260.83	2.44	-2.27 S	2.44 E
72	6353.00	4.50	143.80	44.00	6352.13	-36.83	34.76	-15.74	357671.33	1650261.95	8.70	5.76 U	-0.47 L
73	6397.00	8.20	138.00	44.00	6395.86	-31.97	31.03	-12.62	357667.60	1650265.07	8.52	10.82 U	0.42 R
74	6442.00	10.90	136.70	45.00	6440.23	-24.52	25.55	-7.56	357662.12	1650270.13	6.02	15.97 U	0.72 R
75	6486.00	13.40	136.80	44.00	6483.24	-15.28	18.80	-1.21	357655.37	1650276.48	5.68	18.82 U	0.43 R
76	6531.00	15.40	139.80	45.00	6526.83	-4.10	10.44	6.22	357647.01	1650283.91	4.74	20.01 U	-0.72 L
77	6575.00	17.50	138.70	44.00	6569.02	8.36	1.00	14.35	357637.57	1650292.04	4.82	18.56 U	-0.46 L
78	6619.00	20.70	146.10	44.00	6610.60	22.71	-10.43	23.06	357626.14	1650300.75	9.11	15.64 U	-1.67 L
79	6664.00	24.70	144.70	45.00	6652.11	40.01	-24.71	32.93	357611.86	1650310.62	8.97	11.39 U	0.75 R
80	6708.00	29.00	148.00	44.00	6691.36	59.77	-41.26	43.90	357595.31	1650321.59	10.34	7.14 U	3.05 R
81	6753.00	33.90	146.10	45.00	6729.73	83.08	-60.94	56.69	357575.63	1650334.38	11.11	2.04 U	6.66 R
82	6797.00	38.30	145.00	44.00	6765.28	108.90	-82.31	71.36	357554.26	1650349.05	10.11	-2.77 D	9.56 R
83	6842.00	41.90	145.40	45.00	6799.69	137.79	-106.11	87.90	357530.46	1650365.59	8.02	-8.52 D	12.64 R
84	6884.00	45.80	142.60	42.00	6829.98	166.82	-129.62	105.02	357506.95	1650382.71	10.37	-14.70 D	14.48 R
85	6929.00	49.60	140.60	45.00	6860.26	200.09	-155.69	125.70	357480.88	1650403.39	9.06	-22.04 D	15.06 R
86	6973.00	57.40	140.20	44.00	6886.41	235.43	-182.91	148.23	357453.66	1650425.92	17.74	-27.60 D	15.20 R
87	7018.00	66.40	141.30	45.00	6907.59	275.08	-213.63	173.31	357422.94	1650451.00	20.12	-30.09 D	15.94 R
88	7060.00	75.90	140.30	42.00	6921.14	314.78	-244.39	198.41	357392.18	1650476.10	22.73	-29.47 D	16.21 R
89	7104.00	85.80	140.80	44.00	6928.13	358.17	-277.90	225.97	357358.67	1650503.66	22.53	-24.72 D	16.58 R
90	7146.00	92.70	139.00	42.00	6928.68	400.14	-310.00	253.01	357326.57	1650530.70	16.98	-17.02 D	16.45 R
91	7191.00	93.20	139.50	45.00	6926.36	445.07	-344.04	282.34	357292.53	1650560.03	1.57	-9.28 D	15.78 R
92	7235.00	90.80	138.90	44.00	6924.83	489.02	-377.33	311.07	357259.24	1650588.76	5.62	-5.83 D	15.08 R
93	7280.00	90.90	140.10	45.00	6924.16	534.01	-411.54	340.29	357225.03	1650617.98	2.68	-5.16 D	14.60 R
94	7324.00	90.80	139.40	44.00	6923.51	578.00	-445.12	368.72	357191.45	1650646.41	1.61	-4.51 D	14.33 R
95	7368.00	90.50	138.90	44.00	6923.01	621.99	-478.40	397.50	357158.17	1650675.19	1.33	-4.01 D	13.61 R
96	7412.00	90.70	139.10	44.00	6922.55	665.97	-511.61	426.36	357124.96	1650704.05	.64	-3.55 D	12.93 R
97	7455.00	90.90	139.10	43.00	6921.95	708.95	-544.11	454.51	357092.46	1650732.20	.47	-2.95 D	12.35 R
98	7499.00	90.90	138.30	44.00	6921.26	752.92	-577.16	483.55	357059.41	1650761.24	1.82	-2.25 D	11.44 R
99	7544.00	90.50	139.00	45.00	6920.71	797.90	-610.93	513.28	357025.64	1650790.97	1.79	-1.70 D	10.47 R
100	7589.00	90.50	138.90	45.00	6920.31	842.88	-644.87	542.83	356991.70	1650820.52	.22	-1.31 D	9.74 R
101	7633.00	89.80	139.70	44.00	6920.20	886.87	-678.23	571.52	356958.34	1650849.21	2.42	-1.20 D	9.29 R
102	7678.00	89.80	140.10	45.00	6920.36	931.87	-712.65	600.51	356923.92	1650878.20	.89	-1.35 D	9.31 R
103	7722.00	89.30	139.60	44.00	6920.70	975.86	-746.28	628.88	356890.29	1650906.57	1.61	-1.70 D	9.28 R

10/28/2016



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104	7767.00	88.70	139.30	45.00	6921.49	1020.85	-780.47	658.13	356856.10	1650935.82	1.49	-2.49 D	8.94 R
105	7811.00	88.40	139.30	44.00	6922.60	1064.82	-813.81	686.81	356822.76	1650964.50	.68	-3.60 D	8.49 R
106	7856.00	89.90	140.30	45.00	6923.27	1109.81	-848.18	715.85	356788.39	1650993.54	4.01	-4.27 D	8.43 R
107	7900.00	90.20	140.30	44.00	6923.23	1153.81	-882.03	743.96	356754.54	1651021.65	.68	-4.23 D	8.75 R
108	7945.00	90.20	140.60	45.00	6923.07	1198.81	-916.73	772.61	356719.84	1651050.30	.67	-4.07 D	9.20 R
109	7989.00	90.30	140.60	44.00	6922.88	1242.81	-950.73	800.54	356685.84	1651078.23	.23	-3.88 D	9.75 R
110	8033.00	90.50	140.30	44.00	6922.57	1286.81	-984.66	828.55	356651.91	1651106.24	.82	-3.57 D	10.19 R
111	8078.00	89.90	140.00	45.00	6922.42	1331.81	-1019.20	857.39	356617.37	1651135.08	1.49	-3.41 D	10.40 R
112	8122.00	88.80	138.00	44.00	6922.92	1375.79	-1052.41	886.25	356584.16	1651163.94	5.19	-3.91 D	9.72 R
113	8166.00	88.60	137.90	44.00	6923.91	1419.73	-1085.07	915.71	356551.50	1651193.40	.51	-4.91 D	8.24 R
114	8211.00	88.90	137.50	45.00	6924.90	1464.67	-1118.35	945.99	356518.22	1651223.68	1.11	-5.89 D	6.52 R
115	8255.00	89.10	138.60	44.00	6925.66	1508.62	-1151.06	975.40	356485.51	1651253.09	2.54	-6.66 D	5.12 R
116	8299.00	89.00	138.10	44.00	6926.39	1552.58	-1183.94	1004.64	356452.63	1651282.33	1.16	-7.39 D	3.94 R
117	8344.00	88.90	138.20	45.00	6927.22	1597.54	-1217.45	1034.66	356419.12	1651312.35	.31	-8.22 D	2.58 R
118	8388.00	88.90	139.00	44.00	6928.06	1641.51	-1250.45	1063.75	356386.12	1651341.44	1.82	-9.06 D	1.59 R
119	8433.00	88.90	138.50	45.00	6928.93	1686.48	-1284.28	1093.41	356352.29	1651371.10	1.11	-9.93 D	0.70 R
120	8477.00	89.20	138.20	44.00	6929.66	1730.44	-1317.15	1122.65	356319.42	1651400.34	.96	-10.65 D	-0.47 L
121	8521.00	88.90	138.20	44.00	6930.39	1774.40	-1349.95	1151.97	356286.62	1651429.66	.68	-11.38 D	-1.77 L
122	8566.00	88.80	138.30	45.00	6931.29	1819.35	-1383.51	1181.93	356253.06	1651459.62	.31	-12.29 D	-3.05 L
123	8610.00	88.70	138.50	44.00	6932.25	1863.31	-1416.41	1211.14	356220.16	1651488.83	.51	-13.25 D	-4.19 L
124	8654.00	88.70	138.40	44.00	6933.25	1907.27	-1449.33	1240.32	356187.24	1651518.01	.23	-14.25 D	-5.29 L
125	8698.00	88.50	138.10	44.00	6934.32	1951.23	-1482.14	1269.61	356154.43	1651547.30	.82	-15.32 D	-6.54 L
126	8743.00	88.70	138.80	45.00	6935.42	1996.19	-1515.81	1299.44	356120.76	1651577.13	1.62	-16.42 D	-7.66 L
127	8787.00	89.60	141.60	44.00	6936.07	2040.17	-1549.61	1327.60	356086.96	1651605.29	6.68	-17.07 D	-7.41 L
128	8832.00	90.20	143.20	45.00	6936.15	2085.15	-1585.26	1355.06	356051.31	1651632.75	3.80	-17.15 D	-5.44 L
129	8876.00	90.00	143.20	44.00	6936.08	2129.10	-1620.49	1381.41	356016.08	1651659.10	.45	-17.07 D	-2.89 L
130	8920.00	89.80	142.60	44.00	6936.15	2173.06	-1655.59	1407.96	355980.98	1651685.65	1.44	-17.15 D	-0.57 L
131	8965.00	89.70	142.60	45.00	6936.35	2218.03	-1691.33	1435.29	355945.24	1651712.98	.22	-17.35 D	1.57 R
132	9009.00	89.50	142.10	44.00	6936.66	2262.01	-1726.17	1462.16	355910.40	1651739.85	1.22	-17.65 D	3.47 R
133	9054.00	89.50	141.90	45.00	6937.05	2306.99	-1761.63	1489.87	355874.94	1651767.56	.44	-18.05 D	5.13 R
134	9098.00	89.70	141.30	44.00	6937.36	2350.98	-1796.11	1517.20	355840.46	1651794.89	1.44	-18.35 D	6.45 R
135	9142.00	89.50	141.10	44.00	6937.66	2394.97	-1830.40	1544.77	355806.17	1651822.46	.64	-18.66 D	7.46 R
136	9186.00	89.50	140.90	44.00	6938.05	2438.97	-1864.59	1572.46	355771.98	1651850.15	.45	-19.04 D	8.32 R
137	9230.00	89.40	140.80	44.00	6938.47	2482.97	-1898.71	1600.23	355737.86	1651877.92	.32	-19.47 D	9.06 R
138	9275.00	89.10	140.50	45.00	6939.06	2527.96	-1933.51	1628.76	355703.06	1651906.45	.94	-20.06 D	9.66 R
139	9320.00	89.00	140.30	45.00	6939.80	2572.96	-1968.18	1657.44	355668.39	1651935.13	.50	-20.80 D	10.07 R
140	9364.00	89.50	141.70	44.00	6940.38	2616.95	-2002.37	1685.13	355634.20	1651962.82	3.38	-21.38 D	10.94 R
141	9409.00	89.80	141.80	45.00	6940.66	2661.94	-2037.71	1712.99	355598.86	1651990.68	.70	-21.65 D	12.40 R
142	9453.00	89.80	141.40	44.00	6940.81	2705.93	-2072.19	1740.32	355564.38	1652018.01	.91	-21.81 D	13.72 R
143	9497.00	89.80	140.30	44.00	6940.96	2749.93	-2106.31	1768.10	355530.26	1652045.79	2.50	-21.96 D	14.46 R

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	UDINS From-Plan	LR/EW From-Plan
144	9542.00	89.40	140.00	45.00	6941.28	2794.93	-2140.86	1796.93	355495.71	1652074.62	1.11	-22.27 D	14.67 R
145	9586.00	89.90	139.50	44.00	6941.55	2838.92	-2174.44	1825.36	355462.13	1652103.05	1.61	-22.54 D	14.56 R
146	9629.00	90.00	139.60	43.00	6941.58	2881.92	-2207.16	1853.26	355429.41	1652130.95	.33	-22.58 D	14.32 R
147	9673.00	90.00	139.00	44.00	6941.58	2925.91	-2240.52	1881.95	355396.05	1652159.64	1.36	-22.58 D	13.87 R
148	9718.00	89.50	139.00	45.00	6941.78	2970.89	-2274.48	1911.47	355362.09	1652189.16	1.11	-22.78 D	13.17 R
149	9762.00	89.80	138.80	44.00	6942.05	3014.87	-2307.64	1940.40	355328.93	1652218.09	.82	-23.05 D	12.42 R
150	9806.00	90.00	139.00	44.00	6942.12	3058.86	-2340.79	1969.32	355295.78	1652247.01	.64	-23.12 D	11.67 R
151	9850.00	90.00	138.60	44.00	6942.12	3102.84	-2373.90	1998.30	355262.67	1652275.99	.91	-23.12 D	10.84 R
152	9895.00	89.80	138.90	45.00	6942.20	3147.81	-2407.73	2027.97	355228.84	1652305.66	.80	-23.20 D	9.95 R
153	9940.00	90.00	138.80	45.00	6942.28	3192.80	-2441.62	2057.59	355194.95	1652335.28	.50	-23.28 D	9.14 R
154	9984.00	89.80	138.30	44.00	6942.36	3236.77	-2474.59	2086.71	355161.98	1652364.40	1.22	-23.36 D	7.93 R
155	10028.00	89.70	138.70	44.00	6942.55	3280.74	-2507.55	2115.87	355129.02	1652393.56	.94	-23.55 D	6.03 R
156	10073.00	89.20	138.80	45.00	6942.98	3325.72	-2541.38	2145.54	355095.19	1652423.23	1.13	-23.98 D	4.17 R
157	10117.00	89.20	138.40	44.00	6943.60	3369.69	-2574.38	2174.63	355062.19	1652452.32	.91	-24.60 D	2.24 R
158	10162.00	89.10	138.40	45.00	6944.26	3414.66	-2608.03	2204.50	355028.54	1652482.19	.22	-25.26 D	0.11 R
159	10206.00	88.70	138.60	44.00	6945.11	3458.62	-2640.98	2233.65	354995.59	1652511.34	1.02	-26.11 D	-1.91 L
160	10251.00	88.70	137.90	45.00	6946.13	3503.57	-2674.54	2263.61	354962.03	1652541.30	1.56	-27.13 D	-4.16 L
161	10295.00	88.70	138.10	44.00	6947.13	3547.52	-2707.23	2293.05	354929.34	1652570.74	.45	-28.13 D	-6.55 L
162	10340.00	88.50	137.60	45.00	6948.23	3592.46	-2740.58	2323.23	354895.99	1652600.92	1.20	-29.23 D	-9.13 L
163	10384.00	89.10	137.90	44.00	6949.15	3636.40	-2773.14	2352.81	354863.43	1652630.50	1.52	-30.15 D	-11.69 L
164	10429.00	89.40	137.80	45.00	6949.74	3681.35	-2806.50	2383.01	354830.07	1652660.70	.70	-30.74 D	-14.25 L
165	10473.00	89.70	139.00	44.00	6950.08	3725.32	-2839.41	2412.22	354797.16	1652689.91	2.81	-31.08 D	-16.30 L
166	10518.00	89.50	138.40	45.00	6950.40	3770.29	-2873.21	2441.92	354763.36	1652719.61	1.41	-31.40 D	-18.21 L
167	10562.00	89.80	140.00	44.00	6950.67	3814.28	-2906.52	2470.67	354730.05	1652748.36	3.70	-31.66 D	-19.65 L
168	10607.00	89.50	140.10	45.00	6950.94	3859.28	-2941.01	2499.56	354695.56	1652777.25	.70	-31.94 D	-20.49 L
169	10651.00	89.50	140.50	44.00	6951.33	3903.27	-2974.87	2527.67	354661.70	1652805.36	.91	-32.32 D	-21.11 L
170	10695.00	89.30	140.30	44.00	6951.79	3947.27	-3008.77	2555.71	354627.80	1652833.40	.64	-32.79 D	-21.65 L
171	10740.00	89.20	139.80	45.00	6952.38	3992.27	-3043.26	2584.60	354593.31	1652862.29	1.13	-33.38 D	-22.50 L
172	10785.00	89.80	140.00	45.00	6952.77	4037.26	-3077.68	2613.59	354558.89	1652891.28	1.41	-33.77 D	-23.44 L
173	10829.00	90.20	141.20	44.00	6952.77	4081.26	-3111.68	2641.52	354524.89	1652919.21	2.87	-33.77 D	-23.82 L
174	10873.00	90.80	141.30	44.00	6952.38	4125.25	-3145.99	2669.06	354490.58	1652946.75	1.38	-33.38 D	-23.72 L
175	10918.00	90.50	142.80	45.00	6951.87	4170.23	-3181.48	2696.73	354455.09	1652974.42	3.40	-32.87 D	-23.00 L
176	10961.00	90.50	143.00	43.00	6951.50	4213.19	-3215.77	2722.66	354420.80	1653000.35	.47	-32.50 D	-21.66 L
177	11005.00	90.50	143.20	44.00	6951.11	4257.15	-3250.96	2749.08	354385.61	1653026.77	.45	-32.11 D	-20.13 L
178	11050.00	90.70	142.80	45.00	6950.64	4302.10	-3286.89	2776.16	354349.68	1653053.85	.99	-31.64 D	-18.64 L
179	11095.00	90.20	142.90	45.00	6950.29	4347.06	-3322.76	2803.34	354313.81	1653081.03	1.13	-31.29 D	-17.27 L
180	11139.00	90.20	142.30	44.00	6950.14	4391.03	-3357.71	2830.06	354278.86	1653107.75	1.36	-31.13 D	-16.12 L
181	11182.00	89.10	141.80	43.00	6950.40	4434.02	-3391.62	2856.50	354244.95	1653134.19	2.81	-31.40 D	-15.40 L
182	11226.00	89.10	142.40	44.00	6951.09	4477.99	-3426.33	2883.53	354210.24	1653161.22	1.36	-32.09 D	-14.64 L
183	11270.00	89.10	141.80	44.00	6951.78	4521.97	-3461.05	2910.55	354175.52	1653188.24	1.36	-32.78 D	-13.88 L

#	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	11314.00	89.10	141.80	44.00	6952.47	4565.95	-3495.62	2937.76	354140.95	1653215.45	.00	-33.47 D	-13.35 L
185	11359.00	89.10	140.60	45.00	6953.18	4610.94	-3530.69	2965.95	354105.88	1653243.64	2.67	-34.18 D	-13.29 L
186	11403.00	88.90	141.00	44.00	6953.95	4654.94	-3564.78	2993.76	354071.79	1653271.45	1.02	-34.95 D	-13.53 L
187	11448.00	89.00	140.40	45.00	6954.77	4699.93	-3599.60	3022.26	354036.97	1653299.95	1.35	-35.77 D	-13.86 L
188	11492.00	88.90	140.70	44.00	6955.58	4743.92	-3633.57	3050.21	354003.00	1653327.90	.72	-36.58 D	-14.28 L
189	11536.00	89.50	140.10	44.00	6956.19	4787.92	-3667.47	3078.25	353969.10	1653355.94	1.93	-37.19 D	-14.83 L
190	11581.00	89.80	140.20	45.00	6956.47	4832.91	-3702.01	3107.09	353934.56	1653384.78	.70	-37.46 D	-15.58 L
191	11625.00	89.80	139.50	44.00	6956.62	4876.91	-3735.64	3135.46	353900.93	1653413.15	1.59	-37.62 D	-16.56 L
192	11669.00	89.30	140.30	44.00	6956.97	4920.91	-3769.30	3163.80	353867.27	1653441.49	2.14	-37.97 D	-17.48 L
193	11713.00	89.70	141.10	44.00	6957.35	4964.90	-3803.35	3191.67	353833.22	1653469.36	2.03	-38.35 D	-17.79 L
194	11758.00	89.90	141.00	45.00	6957.51	5009.90	-3838.34	3219.95	353798.23	1653497.64	.50	-38.50 D	-17.84 L
195	11802.00	90.20	140.30	44.00	6957.47	5053.90	-3872.37	3247.85	353764.20	1653525.54	1.73	-38.47 D	-18.19 L
196	11847.00	90.10	141.20	45.00	6957.35	5098.90	-3907.21	3276.32	353729.36	1653554.01	2.01	-38.35 D	-18.48 L
197	11891.00	90.20	141.10	44.00	6957.24	5142.90	-3941.48	3303.92	353695.09	1653581.61	.32	-38.23 D	-18.45 L
198	11936.00	90.00	141.50	45.00	6957.16	5187.89	-3976.60	3332.06	353659.97	1653609.75	.99	-38.15 D	-18.28 L
199	11978.00	90.30	142.30	42.00	6957.05	5229.88	-4009.65	3357.97	353626.92	1653635.66	2.03	-38.04 D	-17.62 L
200	12023.00	90.60	142.60	45.00	6956.69	5274.85	-4045.33	3385.40	353591.24	1653663.09	.94	-37.69 D	-16.48 L
201	12067.00	90.30	141.50	44.00	6956.35	5318.83	-4080.02	3412.46	353556.55	1653690.15	2.59	-37.35 D	-15.65 L
202	12109.00	90.60	141.70	42.00	6956.02	5360.82	-4112.93	3438.54	353523.64	1653716.23	.86	-37.02 D	-15.20 L
203	12153.00	90.80	141.00	44.00	6955.48	5404.82	-4147.30	3466.02	353489.27	1653743.71	1.65	-36.48 D	-14.92 L
204	12197.00	90.90	141.00	44.00	6954.83	5448.81	-4181.49	3493.71	353455.08	1653771.40	.23	-35.83 D	-14.91 L
205	12242.00	91.10	141.00	45.00	6954.04	5493.80	-4216.45	3522.02	353420.12	1653799.71	.44	-35.05 D	-14.90 L
206	12286.00	90.30	141.50	44.00	6953.51	5537.79	-4250.76	3549.56	353385.81	1653827.25	2.14	-34.50 D	-14.70 L
207	12329.00	90.70	141.80	43.00	6953.13	5580.78	-4284.48	3576.24	353352.09	1653853.93	1.16	-34.13 D	-14.21 L
208	12373.00	90.10	139.20	44.00	6952.82	5624.78	-4318.43	3604.23	353318.14	1653881.92	6.06	-33.82 D	-14.59 L
209	12415.00	89.10	136.60	42.00	6953.12	5666.73	-4349.59	3632.38	353286.98	1653910.07	6.63	-34.12 D	-16.93 L
210	12459.00	87.50	133.10	44.00	6954.42	5710.49	-4380.60	3663.55	353255.97	1653941.24	8.74	-35.45 D	-21.96 L
211	12503.00	87.60	136.00	44.00	6956.30	5754.21	-4411.44	3694.88	353225.13	1653972.57	6.59	-37.33 D	-26.71 L
212	12548.00	88.00	138.40	45.00	6958.03	5799.10	-4444.43	3725.43	353192.14	1654003.12	5.40	-39.05 D	-29.53 L
213	12592.00	88.30	140.50	44.00	6959.45	5843.06	-4477.84	3754.02	353158.73	1654031.71	4.82	-40.47 D	-30.63 L
214	12636.00	88.80	139.70	44.00	6960.56	5887.05	-4511.59	3782.23	353124.98	1654059.92	2.14	-41.57 D	-31.33 L
215	12681.00	87.70	142.60	45.00	6961.94	5932.02	-4546.61	3810.44	353089.96	1654088.13	6.89	-42.97 D	-31.14 L
216	12725.00	88.00	142.50	44.00	6963.59	5975.96	-4581.52	3837.18	353055.05	1654114.87	.72	-44.61 D	-29.95 L
217	12770.00	88.30	142.60	45.00	6965.04	6020.91	-4617.23	3864.53	353019.34	1654142.22	.70	-46.06 D	-28.73 L
218	12814.00	88.20	142.80	44.00	6966.39	6064.85	-4652.21	3891.18	352984.36	1654168.87	.51	-47.41 D	-27.41 L
219	12857.00	87.70	143.00	43.00	6967.92	6107.79	-4686.48	3917.10	352950.09	1654194.79	1.25	-48.96 D	-25.95 L
220	12899.00	87.70	143.10	42.00	6969.61	6149.71	-4720.02	3942.33	352916.55	1654220.02	.24	-50.65 D	-24.44 L
221	12943.00	88.10	142.40	44.00	6971.22	6193.65	-4755.02	3968.94	352881.55	1654246.63	1.83	-52.25 D	-23.11 L
222	12987.00	88.40	142.90	44.00	6972.57	6237.60	-4789.98	3995.62	352846.59	1654273.31	1.32	-53.58 D	-21.83 L
223	13032.00	87.80	142.40	45.00	6974.06	6282.54	-4825.74	4022.91	352810.83	1654300.60	1.74	-55.09 D	-20.52 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
224	13077.00	88.00	142.50	45.00	6975.71	6327.48	-4861.39	4050.32	352775.18	1654328.01	.50	-56.74 D	-19.37 L
225	13119.00	88.00	141.80	42.00	6977.17	6369.44	-4894.53	4076.07	352742.04	1654353.76	1.67	-58.20 D	-18.54 L
226	13163.00	88.60	141.00	44.00	6978.48	6413.42	-4928.90	4103.51	352707.67	1654381.20	2.27	-59.49 D	-18.25 L
227	13207.00	88.70	140.70	44.00	6979.52	6457.40	-4963.02	4131.28	352673.55	1654408.97	.72	-60.53 D	-18.37 L
228	13252.00	89.80	141.80	45.00	6980.10	6502.39	-4998.11	4159.44	352638.46	1654437.13	3.46	-61.10 D	-18.15 L
229	13297.00	89.90	141.50	45.00	6980.22	6547.38	-5033.40	4187.36	352603.17	1654465.05	.70	-61.22 D	-17.63 L
230	13341.00	90.10	141.30	44.00	6980.22	6591.38	-5067.78	4214.82	352568.79	1654492.51	.64	-61.22 D	-17.33 L
231	13386.00	90.30	141.30	45.00	6980.06	6636.37	-5102.90	4242.95	352533.67	1654520.64	.44	-61.06 D	-17.21 L
232	13430.00	90.50	141.00	44.00	6979.76	6680.37	-5137.17	4270.55	352499.40	1654548.24	.82	-60.76 D	-17.20 L
233	13474.00	90.60	141.70	44.00	6979.34	6724.36	-5171.53	4298.03	352465.04	1654575.72	1.61	-60.33 D	-17.06 L
234	13518.00	90.00	141.70	44.00	6979.10	6768.35	-5206.06	4325.30	352430.51	1654602.99	1.36	-60.10 D	-16.63 L
235	13563.00	89.50	141.90	45.00	6979.30	6813.34	-5241.42	4353.13	352395.15	1654630.82	1.20	-60.30 D	-16.11 L
236	13608.00	89.90	143.10	45.00	6979.54	6858.31	-5277.12	4380.52	352359.45	1654658.21	2.81	-60.53 D	-15.06 L
237	13652.00	89.60	144.00	44.00	6979.73	6902.25	-5312.51	4406.66	352324.06	1654684.35	2.16	-60.73 D	-13.20 L
238	13696.00	89.50	144.40	44.00	6980.07	6946.15	-5348.20	4432.40	352288.37	1654710.09	.94	-61.07 D	-10.85 L
239	13741.00	89.20	145.20	45.00	6980.58	6991.02	-5384.97	4458.34	352251.60	1654736.03	1.90	-61.59 D	-7.96 L
240	13785.00	89.50	145.50	44.00	6981.08	7034.86	-5421.16	4483.35	352215.41	1654761.04	.96	-62.08 D	-4.75 L
241	13830.00	90.00	143.50	45.00	6981.28	7079.75	-5457.79	4509.48	352178.78	1654787.17	4.58	-62.28 D	-2.15 L
242	13874.00	90.00	143.50	44.00	6981.28	7123.69	-5493.16	4535.65	352143.41	1654813.34	.00	-62.28 D	-0.34 L
243	13919.00	90.40	143.60	45.00	6981.12	7168.63	-5529.36	4562.39	352107.21	1654840.08	.92	-62.12 D	1.53 R
244	13963.00	89.20	142.30	44.00	6981.28	7212.59	-5564.48	4588.90	352072.09	1654866.59	4.02	-62.28 D	2.95 R
245	14007.00	88.80	142.30	44.00	6982.04	7256.56	-5599.28	4615.80	352037.29	1654893.49	.91	-63.05 D	3.84 R
246	14052.00	88.10	139.30	45.00	6983.26	7301.53	-5634.14	4644.23	352002.43	1654921.92	6.84	-64.29 D	3.48 R
247	14097.00	88.00	138.90	45.00	6984.79	7346.49	-5668.13	4673.68	351968.44	1654951.37	.92	-65.83 D	1.85 R
248	14139.00	88.30	139.90	42.00	6986.15	7388.46	-5700.01	4700.99	351936.56	1654978.68	2.48	-67.17 D	0.61 R
Proj to bit 14183'MD(6987'TVD)													
249	14183.00	88.00	139.80	44.00	6987.57	7432.44	-5733.62	4729.35	351902.95	1655007.04	.00	-	-

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