

Calculated by HawkEye Software

Job Number: Sleepy 5 Surveys
Company: Jay Bee Oil
Lease/Well: Sleepy 5
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: -0.79018 W
Date: Wednesday, October 01, 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	LRIEW From-Plan
1	.00	.00	.00	.00	.00	.00	.00	.00	357683.32	1650244.17	.00	-	-
2	100.00	.06	171.30	100.00	100.00	-.05	-.05	.01	357683.27	1650244.18	.06	-	-
3	200.00	.70	173.94	100.00	200.00	-.64	-.71	.08	357682.61	1650244.25	.64	-	-
4	300.00	.91	189.82	100.00	299.99	-1.78	-2.10	.01	357681.22	1650244.18	.30	-	-
5	400.00	.24	236.40	100.00	399.98	-2.37	-3.00	-.30	357680.32	1650243.87	.77	-	-
6	500.00	.18	269.30	100.00	499.98	-2.29	-3.12	-.63	357680.20	1650243.54	.13	-	-
7	600.00	2.58	266.04	100.00	599.95	-1.13	-3.27	-3.03	357680.05	1650241.14	2.40	-	-
8	700.00	2.48	266.44	100.00	699.85	.99	-3.56	-7.44	357679.76	1650236.73	.10	-	-
9	800.00	2.27	260.69	100.00	799.76	2.82	-4.02	-11.55	357679.30	1650232.62	.32	-	-
10	900.00	1.95	259.79	100.00	899.69	4.24	-4.64	-15.18	357678.68	1650228.99	.32	-	-
11	1000.00	1.79	262.90	100.00	999.64	5.56	-5.14	-18.41	357678.18	1650225.76	.19	-	-
12	1100.00	1.74	262.23	100.00	1099.59	6.86	-5.53	-21.46	357677.79	1650222.71	.05	-	-
13	1200.00	2.02	262.57	100.00	1199.54	8.25	-5.97	-24.71	357677.35	1650219.46	.28	-	-
14	1300.00	1.77	250.62	100.00	1299.49	9.34	-6.71	-27.92	357676.61	1650216.25	.47	-	-
15	1400.00	1.71	246.30	100.00	1399.44	9.92	-7.82	-30.74	357675.50	1650213.43	.14	-	-
16	1500.00	1.67	245.83	100.00	1499.40	10.36	-9.02	-33.44	357674.30	1650210.73	.04	-	-
17	1600.00	1.54	240.64	100.00	1599.36	10.65	-10.27	-35.94	357673.05	1650208.23	.19	-	-
18	1700.00	1.58	230.33	100.00	1699.32	10.55	-11.81	-38.17	357671.51	1650206.00	.28	-	-
19	1800.00	1.31	216.05	100.00	1799.29	9.96	-13.61	-39.90	357669.71	1650204.27	.45	-	-
20	1900.00	1.20	194.58	100.00	1899.26	8.83	-15.55	-40.84	357667.77	1650203.33	.48	-	-
21	2000.00	1.06	191.98	100.00	1999.24	7.45	-17.47	-41.29	357665.85	1650202.88	.15	-	-
22	2100.00	1.02	205.95	100.00	2099.23	6.33	-19.18	-41.88	357664.14	1650202.29	.26	-	-
23	2200.00	.75	211.77	100.00	2199.22	5.58	-20.53	-42.61	357662.79	1650201.56	.28	-	-

10/28/2016

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24	2300.00	.50	213.60	100.00	2299.21	5.12	-21.45	-43.20	357661.87	1650200.97	.25	-	-
25	2400.00	.33	215.03	100.00	2399.21	4.83	-22.05	-43.60	357661.27	1650200.57	.17	-	-
26	2500.00	.30	213.58	100.00	2499.21	4.61	-22.51	-43.91	357660.81	1650200.26	.03	-	-
27	2600.00	.58	207.23	100.00	2599.20	4.25	-23.17	-44.29	357660.15	1650199.88	.28	-	-
28	2700.00	.56	207.76	100.00	2699.20	3.75	-24.06	-44.75	357659.26	1650199.42	.02	-	-
29	2800.00	.43	206.76	100.00	2799.19	3.32	-24.82	-45.14	357658.50	1650199.03	.13	-	-
30	2900.00	.50	224.91	100.00	2899.19	3.03	-25.47	-45.62	357657.85	1650198.55	.16	-	-
31	3000.00	.37	233.42	100.00	2999.19	2.92	-25.97	-46.19	357657.35	1650197.98	.14	-	-
32	3100.00	.55	248.03	100.00	3099.19	2.98	-26.34	-46.89	357656.98	1650197.28	.21	-	-
33	3200.00	.48	277.19	100.00	3199.18	3.34	-26.47	-47.75	357656.85	1650196.42	.27	-	-
34	3300.00	.41	278.21	100.00	3299.18	3.84	-26.36	-48.52	357656.96	1650195.65	.07	-	-
35	3400.00	.22	272.73	100.00	3399.18	4.18	-26.30	-49.07	357657.02	1650195.10	.19	-	-
36	3500.00	.17	267.68	100.00	3499.18	4.37	-26.30	-49.41	357657.02	1650194.76	.05	-	-
37	3600.00	.15	221.44	100.00	3599.18	4.40	-26.41	-49.64	357656.91	1650194.53	.13	-	-
38	3700.00	.25	201.76	100.00	3699.18	4.24	-26.71	-49.81	357656.61	1650194.36	.12	-	-
39	3800.00	.36	189.79	100.00	3799.17	3.88	-27.22	-49.95	357656.10	1650194.22	.13	-	-
40	3900.00	.20	240.72	100.00	3899.17	3.66	-27.61	-50.15	357655.71	1650194.02	.28	-	-
41	4000.00	.34	221.63	100.00	3999.17	3.59	-27.92	-50.50	357655.40	1650193.67	.16	-	-
42	4100.00	.41	217.92	100.00	4099.17	3.39	-28.42	-50.92	357654.90	1650193.25	.07	-	-
43	4200.00	.99	298.15	100.00	4199.16	4.02	-28.30	-51.90	357655.02	1650192.27	1.01	-	-
44	4300.00	.62	310.06	100.00	4299.15	5.29	-27.54	-53.08	357655.78	1650191.09	.40	-	-
45	4400.00	.23	296.14	100.00	4399.15	5.98	-27.11	-53.67	357656.21	1650190.50	.40	-	-
46	4500.00	.46	309.89	100.00	4499.15	6.53	-26.76	-54.16	357656.56	1650190.01	.24	-	-
47	4600.00	.25	324.66	100.00	4599.15	7.13	-26.33	-54.59	357656.99	1650189.58	.23	-	-
48	4700.00	.51	331.52	100.00	4699.14	7.79	-25.76	-54.93	357657.56	1650189.24	.26	-	-
49	4800.00	.45	324.78	100.00	4799.14	8.63	-25.04	-55.37	357658.28	1650188.80	.08	-	-
50	4900.00	.76	243.40	100.00	4899.14	9.09	-25.02	-56.19	357658.30	1650187.98	.82	-	-
51	5000.00	.77	354.98	100.00	4999.13	9.75	-24.65	-56.84	357658.67	1650187.33	1.27	-	-
52	5100.00	.73	352.90	100.00	5099.12	10.92	-23.35	-56.98	357659.97	1650187.19	.05	-	-
53	5200.00	.59	348.26	100.00	5199.12	11.98	-22.21	-57.16	357661.11	1650187.01	.15	-	-
54	5300.00	.43	340.61	100.00	5299.11	12.83	-21.35	-57.39	357661.97	1650186.78	.17	-	-
55	5400.00	.50	336.83	100.00	5399.11	13.62	-20.60	-57.69	357662.72	1650186.48	.08	-	-
56	5500.00	.63	326.24	100.00	5499.10	14.60	-19.74	-58.16	357663.58	1650186.01	.17	-	-
57	5600.00	.83	349.38	100.00	5599.10	15.83	-18.57	-58.60	357664.75	1650185.57	.35	-	-
58	5700.00	.63	357.21	100.00	5699.09	16.98	-17.31	-58.76	357666.01	1650185.41	.22	-	-
59	5800.00	.63	14.62	100.00	5799.08	17.83	-16.23	-58.65	357667.09	1650185.52	.19	0.00 N	0.00 W
60	5837.00	.60	26.40	37.00	5836.08	18.07	-15.86	-58.51	357667.46	1650185.66	.35	0.74 N	0.78 E
61	5882.00	.70	24.00	45.00	5881.08	18.34	-15.40	-58.30	357667.92	1650185.87	.23	3.40 N	3.52 E
62	5927.00	.70	24.00	45.00	5926.07	18.64	-14.89	-58.07	357668.43	1650186.10	.00	8.16 N	8.28 E
63	5969.00	.60	17.90	42.00	5968.07	18.92	-14.45	-57.90	357668.87	1650186.27	.29	14.49 N	14.57 E

#	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	UDNS From-Plan	LR/EW From-Plan
64	6013.00	.50	3.10	44.00	6012.07	19.23	-14.04	-57.82	357669.28	1650186.35	.39	23.06 N	23.04 E
65	6055.00	.60	.30	42.00	6054.07	19.56	-13.64	-57.81	357669.68	1650186.36	.25	33.39 N	33.15 E
66	6099.00	.50	357.50	44.00	6098.07	19.92	-13.21	-57.82	357670.11	1650186.35	.24	46.44 N	45.93 E
67	6144.00	.50	341.70	45.00	6143.06	20.28	-12.83	-57.89	357670.49	1650186.28	.31	62.28 N	61.43 E
68	6188.00	.50	324.90	44.00	6187.06	20.66	-12.49	-58.06	357670.83	1650186.11	.33	80.67 N	79.39 E
69	6232.00	.70	309.00	44.00	6231.06	21.11	-12.17	-58.38	357671.15	1650185.79	.59	102.04 N	100.14 E
70	6277.00	5.50	239.10	45.00	6275.99	21.43	-13.10	-60.44	357670.22	1650183.73	11.78	-159.33 D	42.06 R
71	6321.00	8.60	245.20	44.00	6319.65	21.93	-15.56	-65.24	357667.76	1650178.93	7.24	-176.42 D	68.26 R
72	6365.00	13.30	247.00	44.00	6362.84	23.20	-18.92	-72.89	357664.40	1650171.28	10.71	-192.05 D	82.97 R
73	6410.00	16.10	238.50	45.00	6406.36	24.17	-24.21	-82.98	357659.11	1650161.19	7.84	-221.86 D	61.84 R
74	6454.00	18.80	236.30	44.00	6448.34	24.13	-31.33	-94.08	357651.99	1650150.09	6.32	-243.38 D	59.56 R
75	6499.00	21.40	234.10	45.00	6490.59	23.49	-40.17	-106.76	357643.15	1650137.41	6.02	-263.19 D	55.51 R
76	6543.00	23.60	230.70	44.00	6531.24	21.97	-50.46	-120.09	357632.86	1650124.08	5.81	-281.80 D	43.64 R
77	6588.00	26.20	230.10	45.00	6572.05	19.62	-62.54	-134.68	357620.78	1650109.49	5.80	-295.80 D	41.30 R
78	6632.00	29.50	228.30	44.00	6610.95	16.64	-75.98	-150.22	357607.34	1650093.95	7.74	-306.07 D	31.28 R
79	6676.00	32.60	229.30	44.00	6648.65	13.21	-90.92	-167.30	357592.40	1650076.87	7.14	-313.30 D	32.70 R
80	6720.00	37.40	228.20	44.00	6684.68	9.36	-107.56	-186.26	357575.76	1650057.91	11.00	-317.16 D	25.05 R
81	6765.00	41.40	229.30	45.00	6719.44	5.03	-126.38	-207.74	357556.94	1650036.43	9.02	-319.34 D	25.50 R
82	6809.00	46.10	233.00	44.00	6751.22	1.71	-145.42	-231.45	357537.90	1650012.72	12.16	-318.45 D	36.53 R
83	6853.00	50.40	236.50	44.00	6780.52	.17	-164.33	-258.26	357518.99	1649985.91	11.43	-315.75 D	45.29 R
84	6898.00	54.40	240.80	45.00	6807.98	.92	-182.84	-288.71	357500.48	1649955.46	11.67	-310.39 D	54.92 R
85	6942.00	59.30	244.80	44.00	6832.04	4.35	-199.63	-321.47	357483.69	1649922.70	13.49	-304.08 D	63.12 R
86	6986.00	63.30	247.70	44.00	6853.17	10.24	-215.16	-356.79	357468.16	1649887.38	10.77	-295.54 D	65.93 R
87	7031.00	67.50	253.00	45.00	6871.91	19.37	-228.87	-395.30	357454.45	1649848.87	14.20	-282.90 D	71.78 R
88	7075.00	73.50	257.00	44.00	6886.60	31.85	-239.58	-435.35	357443.74	1649808.82	16.10	-272.77 D	74.84 R
89	7120.00	76.20	264.00	45.00	6898.37	48.83	-246.72	-478.16	357436.60	1649766.01	16.17	-249.61 D	76.47 R
90	7164.00	76.90	270.80	44.00	6908.61	70.15	-248.66	-520.88	357434.66	1649723.29	15.11	-222.57 D	75.11 R
91	7209.00	79.20	274.30	45.00	6917.93	95.43	-246.70	-564.85	357436.62	1649679.32	9.17	-201.49 D	70.56 R
92	7260.00	82.90	278.20	51.00	6925.87	126.96	-241.20	-614.91	357442.12	1649629.26	10.47	-178.37 D	63.39 R
93	7298.00	87.70	281.20	38.00	6928.98	152.39	-234.82	-652.22	357448.50	1649591.95	14.88	-162.69 D	57.74 R
94	7343.00	89.50	285.80	45.00	6930.08	184.74	-224.32	-695.95	357459.00	1649548.22	10.97	-135.82 D	46.67 R
95	7387.00	89.50	290.80	44.00	6930.47	218.83	-210.51	-737.71	357472.81	1649506.46	11.36	-109.46 D	34.06 R
96	7431.00	90.50	294.70	44.00	6930.47	254.97	-193.50	-778.28	357489.82	1649465.89	9.15	-87.61 D	21.76 R
97	7476.00	92.30	300.10	45.00	6929.37	293.88	-172.81	-818.20	357510.51	1649425.97	12.65	-67.54 D	9.39 R
98	7518.00	93.00	304.40	42.00	6927.42	331.81	-150.42	-853.68	357532.90	1649390.49	10.36	-50.09 D	-1.54 L
99	7562.00	92.20	310.10	44.00	6925.43	373.03	-123.83	-888.65	357559.49	1649355.52	13.07	-34.72 D	-12.31 L
100	7607.00	91.30	316.70	45.00	6924.05	416.63	-92.94	-921.31	357590.38	1649322.86	14.80	-22.72 D	-20.61 L
101	7651.00	89.40	319.00	44.00	6923.78	460.01	-60.33	-950.84	357622.99	1649293.33	6.78	-14.51 D	-28.12 L
102	7695.00	88.30	323.10	44.00	6924.67	503.71	-26.12	-978.48	357657.20	1649265.69	9.65	-9.90 D	-35.17 L
103	7740.00	88.80	328.00	45.00	6925.80	548.65	10.96	-1003.92	357694.28	1649240.25	10.94	-7.95 D	-41.35 L

10/28/2016

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104	7784.00	92.10	332.70	44.00	6925.46	592.58	49.18	-1025.68	357732.50	1649218.49	13.05	-6.43 D	-45.82 L
105	7829.00	92.10	337.30	45.00	6923.81	637.15	89.93	-1044.68	357773.25	1649199.49	10.22	-4.76 D	-48.31 L
106	7873.00	90.60	339.00	44.00	6922.77	680.38	130.76	-1061.05	357814.08	1649183.12	5.15	-3.72 D	-48.55 L
107	7917.00	90.40	338.80	44.00	6922.39	723.51	171.80	-1076.89	357855.12	1649167.28	.64	-3.33 D	-48.22 L
108	7962.00	90.10	337.90	45.00	6922.19	767.71	213.63	-1093.49	357896.95	1649150.68	2.11	-3.14 D	-48.31 L
109	8006.00	89.80	336.30	44.00	6922.23	811.09	254.16	-1110.61	357937.48	1649133.56	3.70	-3.18 D	-49.40 L
110	8050.00	89.70	336.10	44.00	6922.42	854.58	294.42	-1128.37	357977.74	1649115.80	.51	-3.37 D	-51.15 L
111	8095.00	89.10	338.60	45.00	6922.89	898.91	335.94	-1145.70	358019.26	1649098.47	5.71	-3.84 D	-51.98 L
112	8140.00	88.80	338.30	45.00	6923.72	943.08	377.79	-1162.22	358061.11	1649081.95	.94	-4.67 D	-52.00 L
113	8184.00	89.90	341.30	44.00	6924.22	986.07	419.07	-1177.41	358102.39	1649066.76	7.26	-5.17 D	-51.04 L
114	8228.00	90.20	341.60	44.00	6924.18	1028.77	460.79	-1191.41	358144.11	1649052.76	.96	-5.13 D	-48.76 L
115	8273.00	91.60	343.50	45.00	6923.47	1072.22	503.71	-1204.90	358187.03	1649039.27	5.24	-4.42 D	-45.67 L
116	8318.00	91.90	343.00	45.00	6922.10	1115.51	546.78	-1217.87	358230.10	1649026.30	1.30	-3.05 D	-41.88 L
117	8362.00	91.50	342.50	44.00	6920.79	1157.94	588.78	-1230.91	358272.10	1649013.26	1.45	-1.74 D	-38.55 L
118	8406.00	91.20	342.50	44.00	6919.76	1200.43	630.73	-1244.13	358314.05	1649000.04	.68	-0.71 D	-35.45 L
119	8451.00	90.70	342.00	45.00	6919.01	1243.94	673.58	-1257.85	358356.90	1648986.32	1.57	0.04 U	-32.46 L
120	8495.00	90.50	341.30	44.00	6918.55	1286.60	715.34	-1271.70	358398.66	1648972.47	1.65	0.50 U	-29.99 L
121	8540.00	90.30	341.40	45.00	6918.24	1330.29	757.98	-1286.09	358441.30	1648958.08	.50	0.81 U	-27.73 L
122	8584.00	90.00	340.20	44.00	6918.12	1373.11	799.53	-1300.56	358482.85	1648943.61	2.81	0.93 U	-25.91 L
123	8629.00	90.10	340.20	45.00	6918.08	1417.01	841.87	-1315.81	358525.19	1648928.36	.22	0.96 U	-24.55 L
124	8673.00	90.30	338.80	44.00	6917.93	1460.05	883.08	-1331.21	358566.40	1648912.96	3.21	1.12 U	-23.75 L
125	8717.00	90.30	338.60	44.00	6917.70	1503.21	924.08	-1347.20	358607.40	1648896.97	.45	1.35 U	-23.57 L
126	8762.00	90.40	338.50	45.00	6917.42	1547.37	965.96	-1363.65	358649.28	1648880.52	.31	1.62 U	-23.51 L
127	8806.00	90.80	338.30	44.00	6916.96	1590.58	1006.87	-1379.85	358690.19	1648864.32	1.02	2.08 U	-23.56 L
128	8850.00	89.80	340.60	44.00	6916.73	1633.62	1048.06	-1395.29	358731.38	1648848.88	5.70	2.31 U	-22.83 L
129	8895.00	89.90	340.10	45.00	6916.85	1677.49	1090.44	-1410.43	358773.76	1648833.74	1.13	2.19 U	-21.34 L
130	8939.00	89.80	339.50	44.00	6916.96	1720.48	1131.74	-1425.62	358815.06	1648818.55	1.38	2.08 U	-20.31 L
131	8984.00	88.20	341.10	45.00	6917.75	1764.35	1174.09	-1440.78	358857.41	1648803.39	5.03	1.29 U	-18.89 L
132	9028.00	88.10	341.20	44.00	6919.17	1807.09	1215.71	-1454.99	358899.03	1648789.18	.32	-0.13 D	-16.83 L
133	9072.00	88.50	341.60	44.00	6920.48	1849.78	1257.39	-1469.02	358940.71	1648775.15	1.29	-1.44 D	-14.59 L
134	9117.00	89.80	342.10	45.00	6921.14	1893.37	1300.15	-1483.04	358983.47	1648761.13	3.10	-2.10 D	-11.94 L
135	9162.00	90.50	341.90	45.00	6921.02	1936.94	1342.95	-1496.94	359026.27	1648747.23	1.62	-1.99 D	-9.16 L
136	9206.00	90.90	342.80	44.00	6920.49	1979.46	1384.87	-1510.28	359068.19	1648733.89	2.24	-1.45 D	-6.18 L
137	9250.00	89.90	340.90	44.00	6920.18	2022.09	1426.68	-1523.99	359110.00	1648720.18	4.88	-1.14 D	-3.57 L
138	9294.00	90.10	340.90	44.00	6920.18	2064.89	1468.26	-1538.39	359151.58	1648705.78	.45	-1.15 D	-1.70 L
139	9339.00	89.60	341.20	45.00	6920.30	2108.64	1510.82	-1553.00	359194.14	1648691.17	1.30	-1.26 D	0.32 R
140	9383.00	89.70	340.50	44.00	6920.57	2151.45	1552.38	-1567.43	359235.70	1648676.74	1.61	-1.53 D	2.15 R
141	9428.00	88.50	339.60	45.00	6921.27	2195.36	1594.68	-1582.78	359278.00	1648661.39	3.33	-2.24 D	3.39 R
142	9472.00	88.50	339.00	44.00	6922.43	2238.42	1635.82	-1598.33	359319.14	1648645.84	1.36	-3.39 D	4.03 R
143	9516.00	88.60	339.60	44.00	6923.54	2281.48	1676.97	-1613.88	359360.29	1648630.29	1.38	-4.51 D	4.67 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	UD/NS From-Plan	L/REW From-Plan
144	9561.00	88.30	339.20	45.00	6924.76	2325.49	1719.07	-1629.71	359402.39	1648614.46	1.11	-5.73 D	5.40 R
145	9605.00	88.00	338.60	44.00	6926.18	2368.60	1760.10	-1645.54	359443.42	1648598.63	1.52	-7.15 D	5.73 R
146	9648.00	89.70	339.10	43.00	6927.04	2410.75	1800.20	-1661.05	359483.52	1648583.12	4.12	-8.01 D	6.02 R
147	9693.00	89.40	339.50	45.00	6927.39	2454.80	1842.29	-1676.95	359525.61	1648567.22	1.11	-8.36 D	6.67 R
148	9735.00	89.90	341.80	42.00	6927.65	2495.69	1881.91	-1690.87	359565.23	1648553.30	5.60	-8.62 D	8.28 R
149	9780.00	91.80	342.50	45.00	6926.98	2539.22	1924.74	-1704.66	359608.06	1648539.51	4.50	-7.96 D	11.17 R
150	9824.00	91.80	342.10	44.00	6925.60	2581.74	1966.64	-1718.03	359649.96	1648526.14	.91	-6.58 D	14.11 R
151	9867.00	90.40	341.00	43.00	6924.77	2623.45	2007.42	-1731.64	359690.74	1648512.53	4.14	-5.75 D	16.42 R
152	9911.00	90.20	340.90	44.00	6924.54	2666.24	2049.01	-1746.00	359732.33	1648498.17	.51	-5.52 D	18.33 R
153	9956.00	90.00	341.30	45.00	6924.47	2709.98	2091.58	-1760.57	359774.90	1648483.60	.99	-5.44 D	20.40 R
154	10001.00	89.90	341.60	45.00	6924.50	2753.65	2134.24	-1774.89	359817.56	1648469.28	.70	-5.48 D	22.75 R
155	10045.00	89.60	342.10	44.00	6924.70	2796.28	2176.05	-1788.60	359859.37	1648455.57	1.33	-5.67 D	25.36 R
156	10090.00	89.30	342.20	45.00	6925.13	2839.81	2218.88	-1802.39	359902.20	1648441.78	.70	-6.10 D	28.26 R
157	10134.00	88.80	342.30	44.00	6925.86	2882.36	2260.78	-1815.80	359944.10	1648428.37	1.16	-6.84 D	31.18 R
158	10179.00	88.40	343.00	45.00	6926.96	2925.78	2303.72	-1829.22	359987.04	1648414.95	1.79	-7.94 D	34.51 R
159	10223.00	89.30	341.20	44.00	6927.84	2968.35	2345.58	-1842.74	360028.90	1648401.43	4.57	-8.82 D	37.21 R
160	10267.00	89.30	341.00	44.00	6928.38	3011.11	2387.21	-1856.99	360070.53	1648387.18	.45	-9.36 D	39.23 R
161	10310.00	90.00	339.40	43.00	6928.64	3053.06	2427.66	-1871.55	360110.98	1648372.62	4.06	-9.62 D	40.49 R
162	10352.00	89.80	339.20	42.00	6928.71	3094.17	2466.95	-1886.40	360150.27	1648357.77	.67	-9.69 D	41.10 R
163	10397.00	89.70	339.60	45.00	6928.91	3136.20	2509.07	-1902.23	360192.39	1648341.94	.92	-9.89 D	41.83 R
164	10441.00	89.50	339.90	44.00	6929.22	3181.20	2550.35	-1917.46	360233.67	1648326.71	.82	-10.20 D	42.82 R
165	10485.00	89.10	339.60	44.00	6929.76	3224.19	2591.63	-1932.69	360274.95	1648311.48	1.14	-10.74 D	43.80 R
166	10530.00	89.00	339.20	45.00	6930.50	3268.22	2633.75	-1948.52	360317.07	1648295.65	.92	-11.49 D	44.53 R
167	10574.00	89.80	336.30	44.00	6930.96	3311.51	2674.46	-1965.18	360357.78	1648278.99	6.84	-11.95 D	44.00 R
168	10619.00	90.10	336.00	45.00	6931.00	3356.00	2715.62	-1983.37	360398.94	1648260.80	.94	-11.99 D	42.19 R
169	10663.00	89.80	335.60	44.00	6931.04	3399.54	2755.75	-2001.41	360439.07	1648242.76	1.14	-12.02 D	40.15 R
170	10707.00	90.00	335.40	44.00	6931.12	3443.11	2795.79	-2019.66	360479.11	1648224.51	.64	-12.10 D	37.88 R
171	10752.00	89.80	334.70	45.00	6931.20	3487.72	2836.59	-2038.64	360519.91	1648205.53	1.62	-12.18 D	35.21 R
172	10796.00	89.80	334.80	44.00	6931.35	3531.37	2876.39	-2057.41	360559.71	1648186.76	.23	-12.33 D	32.35 R
173	10841.00	90.00	334.80	45.00	6931.43	3576.00	2917.11	-2076.57	360600.43	1648167.60	.44	-12.41 D	29.47 R
174	10885.00	90.00	335.10	44.00	6931.43	3619.63	2956.97	-2095.20	360640.29	1648148.97	.68	-12.41 D	26.75 R
175	10930.00	90.00	334.70	45.00	6931.43	3664.25	2997.72	-2114.29	360681.04	1648129.88	.89	-12.42 D	23.96 R
176	10974.00	89.50	334.50	44.00	6931.62	3707.92	3037.46	-2133.16	360720.78	1648111.01	1.22	-12.61 D	20.98 R
177	11019.00	89.30	333.40	45.00	6932.09	3752.63	3077.89	-2152.92	360761.21	1648091.25	2.48	-13.08 D	17.44 R
178	11063.00	89.20	332.70	44.00	6932.67	3796.42	3117.11	-2172.86	360800.43	1648071.31	1.61	-13.66 D	13.28 R
179	11107.00	90.10	335.00	44.00	6932.94	3840.14	3156.60	-2192.25	360839.92	1648051.92	5.61	-13.93 D	9.71 R
180	11151.00	90.30	334.50	44.00	6932.78	3883.79	3196.40	-2211.02	360879.72	1648033.15	1.22	-13.77 D	6.86 R
181	11196.00	90.50	335.30	45.00	6932.47	3928.42	3237.15	-2230.11	360920.47	1648014.06	1.83	-13.46 D	4.05 R
182	11240.00	90.60	334.80	44.00	6932.05	3972.03	3277.04	-2248.67	360960.36	1647995.50	1.16	-13.04 D	1.42 R
183	11284.00	90.50	336.50	44.00	6931.62	4015.58	3317.12	-2266.81	361000.44	1647977.36	3.87	-12.62 D	-0.75 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	11328.00	90.20	335.50	44.00	6931.35	4059.10	3357.31	-2284.70	361040.63	1647959.47	2.37	-12.35 D	-2.65 L
185	11373.00	90.30	338.60	45.00	6931.16	4103.47	3398.75	-2302.25	361082.07	1647941.92	6.89	-12.15 D	-3.76 L
186	11417.00	90.60	338.50	44.00	6930.81	4146.65	3439.70	-2318.34	361123.02	1647925.83	.72	-11.81 D	-3.70 L
187	11462.00	90.70	338.80	45.00	6930.30	4190.80	3481.61	-2334.72	361164.93	1647909.45	.70	-11.30 D	-3.56 L
188	11506.00	89.20	339.60	44.00	6930.34	4233.88	3522.74	-2350.34	361206.06	1647893.83	3.86	-11.34 D	-2.99 L
189	11550.00	88.80	338.90	44.00	6931.11	4276.96	3563.88	-2365.93	361247.20	1647878.24	1.83	-12.11 D	-2.39 L
190	11594.00	88.70	338.50	44.00	6932.07	4320.11	3604.86	-2381.91	361288.18	1647862.26	.94	-13.07 D	-2.22 L
191	11639.00	88.50	338.20	45.00	6933.17	4364.29	3646.67	-2398.50	361329.99	1647845.67	.80	-14.17 D	-2.31 L
192	11683.00	88.40	337.70	44.00	6934.36	4407.54	3687.44	-2415.02	361370.76	1647829.15	1.16	-15.36 D	-2.72 L
193	11727.00	88.20	337.70	44.00	6935.66	4450.83	3728.13	-2431.70	361411.45	1647812.47	.45	-16.67 D	-3.31 L
194	11772.00	90.10	339.90	45.00	6936.33	4494.95	3770.08	-2447.97	361453.40	1647796.20	6.46	-17.33 D	-3.04 L
Proj to bit 11816'MD(6936'TVD)													
195	11816.00	90.70	340.60	44.00	6936.02	4537.86	3811.49	-2462.84	361494.81	1647781.33	.00	-	-