EnQuest UK

Quad 002 2/05 Heather Platform 2/05-H60 (37) - Slot 37 2/05-H60 (37) 2/05-H04

Design: 2/05-H04

Survey Report - Geographic

17 March, 2014

Survey Report - Geographic

EnQuest UK Company: Project:

Site:

Well:

Wellbore:

Design:

Quad 002

2/05-H60 (37)

2/05-H04

2/05-H04

2/05 Heather Platform

TVD Reference:

Site 2/05 Heather Platform **Local Co-ordinate Reference:**

Heather DFE 157.0 ft @ 157.00ft (Heather

Platform)

MD Reference: Heather DFE 157.0 ft @ 157.00ft (Heather

Platform)

North Reference: Grid

Survey Calculation Method:

Database:

Minimum Curvature EDM_PROD_AD

Quad 002

Project

Universal Transverse Mercator Map System: European 1950 - Mean Geo Datum: Zone 31N (0 E to 6 E) Map Zone:

Mean Sea Level System Datum:

Site 2/05 Heather Platform, 5

Northing: 6,759,541.91 m Site Position: Latitude: 60° 57' 13.228 N Easting: Longitude: From: Мар 388,406.59 m 0° 56' 22.573 E Grid Convergence: **Position Uncertainty:** 0.00 ft Slot Radius: 0.000 in -1.80

2/05-H60 (37) - Slot 37, GAS LIFT PRODUCER Well **Well Position** +N/-S -12.58 ft Northing: 6,759,538.08 m Latitude: 60° 57' 13.098 N +E/-W -19.19 ft Easting: 388,400.74 m Longitude: 0° 56' 22.193 E **Position Uncertainty** 0.00 ft Wellhead Elevation: Water Depth: 470.00 ft

2/05-H04 Wellbore Magnetics **Model Name** Declination Field Strength Sample Date Dip Angle (°) (°) (nT) BGGM2007 20/04/2004

Design 2/05-H04 Audit Notes: Version: 2 Phase: ACTUAL Tie On Depth: 0.00 Vertical Section: Depth From (TVD) +N/-S Direction +E/-W (ft) (ft) (ft) (°) 0.00 -12.58 -19.19 282.739

Survey Program Date 19/03/2012 From То (ft) (ft) Survey (Wellbore) **Tool Name** Description 627.00 1,300.00 20" SDC Gyro (2/05-H04) CB-Gyro-MS Fixed:v2:camera based gyro multishot 5,709.11 17 1/2" SDC MMS (2/05-H04) 1,574.03 CB-Magnetic Fixed:v2:camera based magnetic survey 12,325.00 12 1/4" SDC MMS (2/05-H04) 5,748.48 CB-Magnetic Fixed:v2:camera based magnetic survey

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (m)	Map Easting (m)	Latitude	Longitude
0.00	0.000	0.000	0.00	-12.58	-19.19	6,759,538.08	388,400.74	60° 57' 13.098 N	0° 56' 22.193 E
627.00	0.000	0.005	627.00	-12.58	-19.19	6,759,538.08	388,400.74	60° 57' 13.098 N	0° 56' 22.193 E
650.00	0.420	314.580	650.00	-12.53	-19.25	6,759,538.09	388,400.72	60° 57' 13.098 N	0° 56' 22.191 E
700.00	0.750	328.650	700.00	-12.12	-19.55	6,759,538.22	388,400.63	60° 57' 13.102 N	0° 56' 22.185 E
750.00	1.000	332.800	749.99	-11.45	-19.92	6,759,538.42	388,400.52	60° 57' 13.109 N	0° 56' 22.177 E
800.00	1.250	330.850	799.98	-10.59	-20.38	6,759,538.68	388,400.38	60° 57' 13.117 N	0° 56' 22.167 E
850.00	2.080	299.880	849.96	-9.66	-21.44	6,759,538.97	388,400.05	60° 57' 13.126 N	0° 56' 22.145 E
900.00	3.000	285.920	899.91	-8.85	-23.48	6,759,539.21	388,399.43	60° 57' 13.133 N	0° 56' 22.103 E

Survey Report - Geographic

EnQuest UK Company: Project:

Quad 002

Site: 2/05 Heather Platform

2/05-H60 (37) Well: Wellbore: 2/05-H04 Design: 2/05-H04

Local Co-ordinate Reference:

TVD Reference: Heather DFE 157.0 ft @ 157.00ft (Heather

Platform)

Site 2/05 Heather Platform

MD Reference: Heather DFE 157.0 ft @ 157.00ft (Heather

Platform)

Grid North Reference:

Survey Calculation Method: Minimum Curvature Database: EDM_PROD_AD

Survey									
Measured			Vertical			Мар	Мар		
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Northing	Easting		
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(m)	(m)	Latitude	Longitude
950.00	2.330	289.020	949.86	-8.16	-25.70	6,759,539.43	388,398.75	60° 57' 13.139 N	0° 56' 22.058 E
1,000.00	2.330	291.540	999.82	-7.45	-27.61	6,759,539.64	388,398.17	60° 57' 13.146 N	0° 56' 22.019 E
1,050.00	3.000	288.070	1,049.76	-6.67	-29.80	6,759,539.88	388,397.51	60° 57' 13.153 N	0° 56' 21.974 E
1,100.00	3.080	295.090	1,099.69	-5.70	-32.26	6,759,540.17	388,396.76	60° 57' 13.162 N	0° 56' 21.924 E
1,150.00	3.000	304.100	1,149.62	-4.39	-34.56	6,759,540.57	388,396.06	60° 57' 13.174 N	0° 56' 21.876 E
1,200.00	2.920	305.130	1,199.55	-2.93	-36.68	6,759,541.02	388,395.41	60° 57' 13.187 N	0° 56' 21.832 E
1,250.00	3.170	307.200	1,249.48	-1.36	-38.82	6,759,541.50	388,394.75	60° 57' 13.202 N	0° 56' 21.788 E
1,300.00	3.250	303.280	1,299.41	0.26	-41.11	6,759,541.99	388,394.06	60° 57' 13.217 N	0° 56' 21.741 E
1,574.03	4.300	284.980	1,572.85	7.17	-57.53	6,759,544.10	388,389.05	60° 57' 13.280 N	0° 56' 21.404 E
1,668.59	4.000	277.980	1,667.16	8.55	-64.22	6,759,544.52	388,387.01	60° 57' 13.292 N	0° 56' 21.267 E
1,760.26	4.000	276.980	1,758.61	9.38	-70.56	6,759,544.77	388,385.08	60° 57' 13.298 N	0° 56' 21.139 E
1,854.02	3.750	275.980	1,852.15	10.10	-76.86	6,759,544.99	388,383.16	60° 57' 13.303 N	0° 56' 21.011 E
1,948.13	4.000	278.980	1,946.05	10.93	-83.16	6,759,545.24	388,381.24	60° 57' 13.309 N	0° 56' 20.883 E
2,041.21	4.000	279.980	2,038.90	12.00	-89.56	6,759,545.57	388,379.29	60° 57' 13.318 N	0° 56' 20.752 E
2,135.55	5.500	272.980	2,132.91	12.80	-97.32	6,759,545.81	388,376.93	60° 57' 13.324 N	0° 56' 20.595 E
2,229.76	7.000	272.980	2,226.56	13.34	-107.56	6,759,545.98	388,373.80	60° 57' 13.326 N	0° 56' 20.387 E
2,324.02	8.500	273.980	2,319.96	14.12	-120.25	6,759,546.21	388,369.94	60° 57' 13.329 N	0° 56' 20.130 E
2,418.45	9.750	272.230	2,413.19	14.92	-135.20	6,759,546.46	388,365.38	60° 57' 13.333 N	0° 56' 19.826 E
2,512.64	12.250	272.230	2,505.64	15.61	-153.16	6,759,546.67	388,359.91	60° 57' 13.334 N	0° 56' 19.462 E
2,606.86	14.250	273.480	2,597.35	16.71	-174.72	6,759,547.00	388,353.33	60° 57' 13.338 N	0° 56' 19.025 E
2,701.28	16.500	273.980	2,688.39	18.34	-199.70	6,759,547.50	388,345.72	60° 57' 13.346 N	0° 56' 18.519 E
2,795.39	18.250	273.980	2,778.20	20.29	-227.74	6,759,548.10	388,337.17	60° 57' 13.357 N	0° 56' 17.950 E
2,889.28	21.000	272.980	2,866.63	22.19	-259.21	6,759,548.67	388,327.58	60° 57' 13.366 N	0° 56' 17.311 E
2,983.67	24.000	276.980	2,953.83	25.40	-295.16	6,759,549.65	388,316.62	60° 57' 13.386 N	0° 56' 16.581 E
3,077.82	27.250	277.730	3,038.70	30.63	-335.54	6,759,551.25	388,304.32	60° 57' 13.425 N	0° 56' 15.761 E
3,172.29	28.750	278.980	3,122.12	37.09	-379.41	6,759,553.21	388,290.94	60° 57' 13.475 N	0° 56' 14.868 E
3,266.60	28.750	276.480	3,204.80	43.19	-424.35	6,759,555.07	388,277.25	60° 57' 13.521 N	0° 56' 13.955 E
3,360.38	28.250	277.730	3,287.22	48.72	-468.76	6,759,556.76	388,263.71	60° 57' 13.562 N	0° 56' 13.052 E
3,454.69	28.250	277.980	3,370.30	54.82	-512.98	6,759,558.62	388,250.23	60° 57' 13.608 N	0° 56' 12.153 E
3,549.46	27.750	277.230	3,453.97	60.71	-557.07	6,759,560.41	388,236.79	60° 57' 13.653 N	0° 56' 11.257 E
3,643.84 3,737.77	28.000	276.480 275.980	3,537.40 3,620.43	65.97 70.74	-600.89	6,759,562.02	388,223.44	60° 57' 13.691 N	0° 56' 10.367 E 0° 56' 9.480 E
3,831.29	27.750 27.750	275.960	3,703.20	76.22	-644.54 -687.73	6,759,563.47 6,759,565.14	388,210.13 388,196.97	60° 57' 13.724 N 60° 57' 13.765 N	0° 56' 8.602 E
3,925.54	27.750	278.980	3,786.61	82.88	-067.73 -731.11	6,759,565.14	388,183.75	60° 57' 13.817 N	0° 56' 7.720 E
4,020.01	27.730	277.980	3,870.31	89.34	-731.11	6,759,569.14	388,170.54	60° 57' 13.867 N	0° 56' 6.838 E
4,114.13	27.250	277.480	3,953.89	95.16	-817.31	6,759,570.92	388,157.47	60° 57' 13.911 N	0° 56' 5.966 E
4,208.21	27.000	274.980	4,037.63	99.82	-859.95	6,759,572.34	388,144.48	60° 57' 13.944 N	0° 56' 5.100 E
4,302.20	27.000	276.480	4,121.37	104.08	-902.40	6,759,573.63	388,131.54	60° 57' 13.972 N	0° 56' 4.238 E
4,396.63	26.750	277.980	4,205.60	109.45	-944.74	6,759,575.27	388,118.63	60° 57' 14.012 N	0° 56' 3.378 E
4,491.11	26.750	276.480	4,289.97	114.80	-986.93	6,759,576.90	388,105.77	60° 57' 14.052 N	0° 56' 2.520 E
4,585.44	26.500	275.480	4,374.30	119.21	-1,028.97	6,759,578.25	388,092.96	60° 57' 14.082 N	0° 56' 1.666 E
4,679.83	26.250	277.980	4,458.87	124.12	-1,070.61	6,759,579.74	388,080.27	60° 57' 14.117 N	0° 56' 0.820 E
4,774.22	26.250	275.980	4,543.53	129.19	-1,112.04	6,759,581.29	388,067.64	60° 57' 14.155 N	0° 55' 59.978 E
4,868.63	26.500	277.480	4,628.11	134.11	-1,153.69	6,759,582.79	388,054.94	60° 57' 14.190 N	0° 55' 59.132 E
4,960.50	26.250	275.980	4,710.42	138.89	-1,194.22	6,759,584.24	388,042.59	60° 57' 14.225 N	0° 55' 58.308 E
5,051.95	26.250	274.980	4,792.44	142.75	-1,234.48	6,759,585.42	388,030.32	60° 57' 14.250 N	0° 55' 57.491 E
5,145.38	27.750	275.480	4,875.68	146.62	-1,276.71	6,759,586.60	388,017.45	60° 57' 14.275 N	0° 55' 56.633 E
5,239.14	28.000	276.480	4,958.56	151.19	-1,320.31	6,759,587.99	388,004.16	60° 57' 14.306 N	0° 55' 55.748 E
5,333.12	28.750	278.980	5,041.25	157.21	-1,364.56	6,759,589.83	387,990.67	60° 57' 14.352 N	0° 55' 54.848 E
5,427.56	29.000	279.230	5,123.95	164.43	-1,409.59	6,759,592.03	387,976.95	60° 57' 14.409 N	0° 55' 53.932 E
5,521.79	29.750	276.980	5,206.07	170.93	-1,455.34	6,759,594.01	387,963.00	60° 57' 14.459 N	0° 55' 53.002 E
5,615.88	30.500	278.980	5,287.45	177.50	-1,502.10	6,759,596.01	387,948.75	60° 57' 14.509 N	0° 55' 52.051 E
5,709.11	30.750	280.480	5,367.68	185.52	-1,548.91	6,759,598.46	387,934.48	60° 57' 14.573 N	0° 55' 51.098 E

Survey Report - Geographic

EnQuest UK Company: Project:

Quad 002

Site: 2/05 Heather Platform

2/05-H60 (37) Well: Wellbore: 2/05-H04 Design: 2/05-H04

Local Co-ordinate Reference:

TVD Reference:

Site 2/05 Heather Platform

Heather DFE 157.0 ft @ 157.00ft (Heather

Platform)

Heather DFE 157.0 ft @ 157.00ft (Heather

Platform) Grid

North Reference:

Survey Calculation Method:

Database:

MD Reference:

Minimum Curvature EDM_PROD_AD

Survey									
Measured			Vertical		. = /	Map	Map		
Depth (ft)	Inclination (°)	Azimuth (°)	Depth (ft)	+N/-S (ft)	+E/-W (ft)	Northing (m)	Easting (m)	Latitude	Longitude
5,748.48		279.980	5,401.38	189.14	-1,568.93	6,759,599.56	387,928.38	60° 57' 14.603 N	0° 55' 50.690 E
5,842.31	31.500	281.230	5,481.39	198.16	-1,617.12	6,759,602.31	387,913.69	60° 57' 14.677 N	0° 55' 49.709 E
5,934.53		280.230	5,559.38	207.31	-1,665.47	6,759,605.10	387,898.95	60° 57' 14.752 N	0° 55' 48.725 E
6,028.50		281.480	5,638.30	216.92	-1,715.56	6,759,608.03	387,883.69	60° 57' 14.831 N	0° 55' 47.704 E
6,122.46		279.980	5,716.99	226.47	-1,766.01	6,759,610.94	387,868.31	60° 57' 14.909 N	0° 55' 46.677 E
6,216.43	33.250	279.480	5,795.46	235.21	-1,816.96	6,759,613.60	387,852.78	60° 57' 14.979 N	0° 55' 45.640 E
6,311.00	32.500	280.980	5,874.89	244.32	-1,867.47	6,759,616.38	387,837.38	60° 57' 15.053 N	0° 55' 44.611 E
6,405.21	31.750	281.230	5,954.67	253.96	-1,916.63	6,759,619.32	387,822.40	60° 57' 15.133 N	0° 55' 43.610 E
6,498.57	31.750	280.480	6,034.06	263.22	-1,964.88	6,759,622.14	387,807.69	60° 57' 15.209 N	0° 55' 42.627 E
6,593.07	31.500	281.480	6,114.53	272.65	-2,013.52	6,759,625.02	387,792.87	60° 57' 15.287 N	0° 55' 41.637 E
6,686.93	32.000	282.230	6,194.34	282.80	-2,061.86	6,759,628.11	387,778.13	60° 57' 15.371 N	0° 55' 40.652 E
6,781.36	31.250	281.480	6,274.75	292.98	-2,110.31	6,759,631.21	387,763.37	60° 57' 15.456 N	0° 55' 39.664 E
6,875.83		281.480	6,355.08	302.87	-2,159.03	6,759,634.23	387,748.52	60° 57' 15.539 N	0° 55' 38.672 E
6,970.31	31.750	281.480	6,435.21	312.83	-2,208.09	6,759,637.26	387,733.56	60° 57' 15.622 N	0° 55' 37.672 E
7,064.71	31.000	281.480	6,515.80	322.62	-2,256.26	6,759,640.24	387,718.88	60° 57' 15.703 N	0° 55' 36.691 E
7,158.87		280.980	6,596.09	332.19	-2,304.52	6,759,643.16	387,704.17	60° 57' 15.782 N	0° 55' 35.708 E
7,252.50		279.980	6,675.60	341.19	-2,353.13	6,759,645.91	387,689.35	60° 57' 15.855 N	0° 55' 34.718 E
7,346.81	31.250	279.480	6,756.01	349.52	-2,401.70	6,759,648.44	387,674.55	60° 57' 15.922 N	0° 55' 33.729 E
7,441.28		279.980	6,837.09	357.71	-2,449.48	6,759,650.94	387,659.99	60° 57' 15.988 N	0° 55' 32.756 E
7,535.61	30.750	279.480	6,918.27	365.83	-2,496.84	6,759,653.42	387,645.55	60° 57' 16.053 N	0° 55' 31.792 E
7,629.19		279.480	6,998.58	373.74	-2,544.21	6,759,655.83	387,631.11	60° 57' 16.116 N	0° 55' 30.828 E
7,723.26		279.480 279.230	7,079.11	381.75	-2,592.17	6,759,658.27	387,616.50	60° 57' 16.180 N	0° 55' 29.852 E
7,817.95			7,159.63	389.84	-2,641.33	6,759,660.74	387,601.51	60° 57' 16.245 N	0° 55' 28.852 E
7,912.27 8,006.30		279.480 279.480	7,239.62 7,319.58	397.97 406.12	-2,690.65 -2,739.45	6,759,663.21 6,759,665.70	387,586.48 387,571.60	60° 57' 16.309 N 60° 57' 16.374 N	0° 55' 27.848 E 0° 55' 26.855 E
8,100.77		279.480	7,319.38	414.31	-2,788.49	6,759,668.19	387,556.66	60° 57' 16.440 N	0° 55' 25.857 E
8,195.04	31.750	279.980	7,480.07	422.69	-2,837.38	6,759,670.75	387,541.76	60° 57' 16.507 N	0° 55' 24.862 E
8,286.54	33.000	280.230	7,557.35	431.29	-2,885.61	6,759,673.37	387,527.05	60° 57' 16.576 N	0° 55' 23.880 E
8,382.51	32.750	280.230	7,637.95	440.54	-2,936.88	6,759,676.19	387,511.43	60° 57' 16.651 N	0° 55' 22.836 E
8,476.91	32.750	280.230	7,717.34	449.61	-2,987.13	6,759,678.95	387,496.11	60° 57' 16.725 N	0° 55' 21.813 E
8,571.26		281.230	7,796.70	459.11	-3,037.28	6,759,681.85	387,480.83	60° 57' 16.803 N	0° 55' 20.792 E
8,665.60		280.980	7,875.93	468.97	-3,087.53	6,759,684.85	387,465.51	60° 57' 16.884 N	0° 55' 19.768 E
8,760.01	32.750	282.480	7,955.22	479.39	-3,137.70	6,759,688.03	387,450.22	60° 57' 16.971 N	0° 55' 18.746 E
8,854.62	33.250	283.230	8,034.57	490.86	-3,187.94	6,759,691.52	387,434.90	60° 57' 17.068 N	0° 55' 17.721 E
8,949.12	33.000	283.730	8,113.71	502.89	-3,238.16	6,759,695.19	387,419.60	60° 57' 17.171 N	0° 55' 16.697 E
9,041.55	32.750	283.730	8,191.34	514.80	-3,286.90	6,759,698.82	387,404.74	60° 57' 17.273 N	0° 55' 15.703 E
9,133.43	31.750	282.980	8,269.04	526.13	-3,334.60	6,759,702.28	387,390.20	60° 57' 17.370 N	0° 55' 14.730 E
9,225.11	30.000	281.480	8,347.73	536.11	-3,380.57	6,759,705.32	387,376.19	60° 57' 17.454 N	0° 55' 13.793 E
9,316.94	30.000	281.480	8,427.25	545.25	-3,425.56	6,759,708.10	387,362.48	60° 57' 17.530 N	0° 55' 12.876 E
9,408.03	29.250	281.980	8,506.44	554.40	-3,469.65	6,759,710.89	387,349.04	60° 57' 17.606 N	0° 55' 11.977 E
9,499.56		281.480	8,586.68	563.35	-3,512.75	6,759,713.62	387,335.90	60° 57' 17.681 N	0° 55' 11.099 E
9,591.36		281.480	8,667.92	571.86	-3,554.64	6,759,716.21	387,323.13	60° 57' 17.751 N	0° 55' 10.245 E
9,683.41		281.980	8,750.12	580.28	-3,595.21	6,759,718.78	387,310.77	60° 57' 17.821 N	0° 55' 9.419 E
9,775.85		283.230	8,833.03	589.20	-3,635.11	6,759,721.50	387,298.61	60° 57' 17.897 N	0° 55' 8.605 E
9,868.42		282.980	8,916.14	598.44	-3,674.81	6,759,724.32	387,286.51	60° 57' 17.975 N	0° 55' 7.796 E
9,958.65		281.980	8,997.83	606.73	-3,712.21	6,759,726.84	387,275.11	60° 57' 18.045 N	0° 55' 7.033 E
10,051.73		282.730	9,082.86	614.83	-3,749.19 2,795.99	6,759,729.31	387,263.84	60° 57' 18.113 N	0° 55' 6.279 E
10,143.56		283.980	9,166.59	623.55	-3,785.88 3,822.61	6,759,731.97	387,252.65	60° 57' 18.188 N	0° 55' 5.531 E
10,235.92		284.980 287.980	9,250.80 9,335,73	633.03 643.36	-3,822.61 -3,857.50	6,759,734.86 6,759,738.01	387,241.46 387,230.79	60° 57' 18.270 N 60° 57' 18.360 N	0° 55' 4.781 E
10,328.35 10,419.31		288.980	9,335.73 9,419.61	654.51	-3,857.59 -3,890.95	6,759,736.01	387,220.63	60° 57' 18.460 N	0° 55' 4.066 E 0° 55' 3.384 E
10,511.16		289.980	9,504.39	666.29	-3,924.26	6,759,741.40	387,210.47	60° 57' 18.565 N	0° 55' 2.702 E
10,603.69		291.980	9,589.88	678.96	-3,957.32	6,759,748.86	387,200.40	60° 57' 18.680 N	0° 55' 2.024 E
10,000.09	000	_01.000	5,500.00	0,0.00	0,001.02	3,733,740.00	337,200.40	30 0, 10,000 1	0 00 2.027 L

Survey Report - Geographic

EnQuest UK Company: Project: Quad 002

Site:

2/05 Heather Platform

2/05-H60 (37) Well: Wellbore: 2/05-H04 Design: 2/05-H04

Local Co-ordinate Reference:

TVD Reference:

North Reference:

Heather DFE 157.0 ft @ 157.00ft (Heather

Platform)

Site 2/05 Heather Platform

MD Reference: Heather DFE 157.0 ft @ 157.00ft (Heather

Platform)

Grid

Survey Calculation Method: Minimum Curvature Database: EDM_PROD_AD

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (m)	Map Easting (m)	Latitude	Longitude
10,695.18	21.250	292.230	9,674.78	691.79	-3,988.90	6,759,752.77	387,190.77	60° 57' 18.796 N	0° 55' 1.377 E
10,787.15	22.000	294.230	9,760.28	705.16	-4,020.04	6,759,756.85	387,181.28	60° 57' 18.918 N	0° 55' 0.738 E
10,877.67	22.250	296.230	9,844.13	719.70	-4,050.87	6,759,761.27	387,171.88	60° 57' 19.051 N	0° 55' 0.104 E
10,969.25	22.250	297.230	9,928.89	735.29	-4,081.84	6,759,766.03	387,162.44	60° 57' 19.195 N	0° 54' 59.467 E
11,060.20	22.000	298.730	10,013.15	751.36	-4,112.09	6,759,770.93	387,153.22	60° 57' 19.344 N	0° 54' 58.844 E
11,151.25	21.250	298.980	10,097.79	767.55	-4,141.48	6,759,775.86	387,144.26	60° 57' 19.494 N	0° 54' 58.239 E
11,243.50	21.000	299.480	10,183.84	783.79	-4,170.50	6,759,780.81	387,135.42	60° 57' 19.645 N	0° 54' 57.641 E
11,336.09	21.500	300.230	10,270.13	800.50	-4,199.60	6,759,785.90	387,126.55	60° 57' 19.800 N	0° 54' 57.041 E
11,427.08	21.000	303.480	10,354.94	817.88	-4,227.61	6,759,791.20	387,118.01	60° 57' 19.963 N	0° 54' 56.463 E
11,519.01	21.000	301.730	10,440.77	835.63	-4,255.36	6,759,796.61	387,109.56	60° 57' 20.129 N	0° 54' 55.890 E
11,611.08	21.000	302.730	10,526.72	853.23	-4,283.27	6,759,801.98	387,101.05	60° 57' 20.293 N	0° 54' 55.313 E
11,703.40	20.750	303.480	10,612.98	871.20	-4,310.82	6,759,807.45	387,092.65	60° 57' 20.461 N	0° 54' 54.744 E
11,796.14	21.000	304.480	10,699.63	889.67	-4,338.22	6,759,813.08	387,084.30	60° 57' 20.635 N	0° 54' 54.177 E
11,887.33	21.000	304.230	10,784.77	908.11	-4,365.20	6,759,818.70	387,076.08	60° 57' 20.808 N	0° 54' 53.619 E
11,980.53	21.000	304.230	10,871.78	926.90	-4,392.82	6,759,824.43	387,067.66	60° 57' 20.984 N	0° 54' 53.048 E
12,071.33	21.750	304.980	10,956.33	945.69	-4,420.05	6,759,830.16	387,059.36	60° 57' 21.161 N	0° 54' 52.485 E
12,162.58	22.000	306.230	11,041.01	965.49	-4,447.69	6,759,836.19	387,050.93	60° 57' 21.347 N	0° 54' 51.912 E
12,193.00	21.750	305.730	11,069.24	972.15	-4,456.86	6,759,838.22	387,048.14	60° 57' 21.409 N	0° 54' 51.722 E
12,220.00	21.750	304.230	11,094.32	977.88	-4,465.06	6,759,839.97	387,045.64	60° 57' 21.463 N	0° 54' 51.553 E
12,325.00	21.750	304.230	11,191.84	999.77	-4,497.23	6,759,846.64	387,035.83	60° 57' 21.669 N	0° 54' 50.887 E

Casing Points					
	Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
	902.77	902.68	Conductor	26.000	32.000
	904.00	903.91	26"	26.000	30.000
	1,503.53	1,502.53	Intermediate casing #1	20.000	32.000
	1,515.00	1,513.97	20"	20.000	26.000
	5,730.00	5,385.60	13 3/8"	13.375	17.500
	5,730.36	5,385.90	Intermediate casing #2	13.375	32.000
	12,291.00	11,160.26	9 5/8"	9.625	12.250
	12,291.56	11,160.78	Production casing #1	9.625	32.000

Formations						
	Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	6,254.00	5,669.94	Base Tertiary		0.00	
	10,447.00	9,288.15	Top Heather Formation		0.00	
	11,866.00	10,607.85	Top Brent	Sandstone	0.00	
	11,914.00	10,652.67	Base Upper Brent	Sandstone	0.00	
	11,954.00	10,690.01	Top Lower Brent	Sandstone	0.00	
	12,102.00	10,827.81	Base Brent	Sandstone	0.00	

Checked By:	Approved By:	Date:	
	··		