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Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

EMRD-OCD ARTESIA
REC'D: 8/03/2020

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

☒ AMENDED REPORT

As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46386	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp (Gas)
⁴ Property Code 38476	⁵ Property Name HONEY GRAHAM STATE COM	⁶ Well Number 703H
⁷ OGRID NO. 229137	⁸ Operator Name COG OPERATING, LLC	⁹ Elevation 3084'

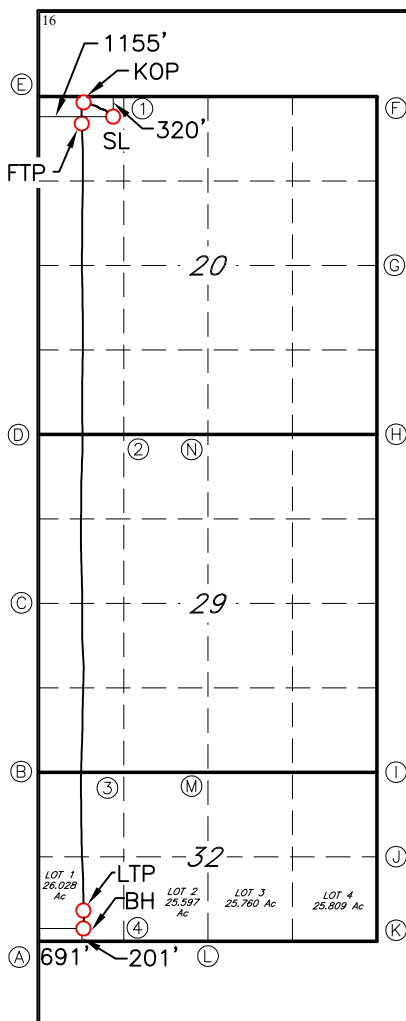
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
D	20	26S	28E		320	NORTH	1155	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	32	26S	28E		201	SOUTH	691	WEST	EDDY
¹² Dedicated Acres 761.51	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



GEODETIC DATA
NAD 83 GRID - NM EAST

SURFACE LOCATION (SL)
N: 376350.3 - E: 609192.2
LAT: 32.0344780° N-LONG: 104.1143570° W
LAT: 32°02'04.1204" N-LONG: 104°06'51.6853" W

KICK OFF POINT (KOP)
101' FNL & 691' FWL (Sec.20)
N: 376573.0 - E: 608728.1
LAT: 32.0350925° N-LONG: 104.1158532° W
LAT: 32°02'06.3336" N-LONG: 104°06'57.0718" W
MD=8868.00 - TVD=8843.41

FIRST TAKE POINT (FTP)
423' FNL & 665' FWL (Sec.20)
N: 376250.9 - E: 608702.3
LAT: 32.0342075° N-LONG: 104.1159388° W
LAT: 32°02'03.1465" N-LONG: 104°06'57.3791" W
MD=9465.00 - TVD=9302.10

LAST TAKE POINT (LTP)
479' FSL & 687' FWL (Sec.32)
N: 364273.0 - E: 608725.3
LAT: 32.0012803° N-LONG: 104.1159423° W
LAT: 32°00'04.6090" N-LONG: 104°06'57.3918" W
MD=21453.00 - TVD=9257.67

BOTTOM HOLE (BH)
N: 363994.9 - E: 608730.5
LAT: 32.0005158° N-LONG: 104.1159273° W
LAT: 32°00'01.8567" N-LONG: 104°06'57.3379" W

CORNER DATA
NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1995" N: 363793.5 - E: 608039.5
B: FOUND BRASS CAP "1995" N: 366121.4 - E: 608035.0
C: FOUND BRASS CAP "1995" N: 368761.0 - E: 608041.8
D: FOUND BRASS CAP "1995" N: 371399.9 - E: 608048.9
E: CALCULATED CORNER N: 376678.5 - E: 608036.7
F: FOUND BRASS CAP "1995" N: 376640.9 - E: 613327.9
G: FOUND BRASS CAP "1995" N: 373994.4 - E: 613329.1
H: FOUND BRASS CAP "1995" N: 371341.8 - E: 613334.8

I: FOUND BRASS CAP "1995" N: 366056.4 - E: 613343.5
J: FOUND BRASS CAP "1995" N: 364641.9 - E: 613346.6
K: FOUND BRASS CAP "1995" N: 363800.2 - E: 613348.4
L: FOUND BRASS CAP "1995" N: 363796.6 - E: 610675.9
M: FOUND BRASS CAP "1995" N: 366045.1 - E: 610671.1
N: FOUND BRASS CAP "1995" N: 371370.8 - E: 610691.8

CALCULATED POINTS
1: N: 376669.1 - E: 609359.5
2: N: 371385.4 - E: 609370.4
3: N: 366083.3 - E: 609353.1
4: N: 363795.1 - E: 609357.7

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Amanda Avery 7/20/20
Signature Date
Amanda Avery
Printed Name
aavery@concho.com
E-mail Address

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

09-06-2019

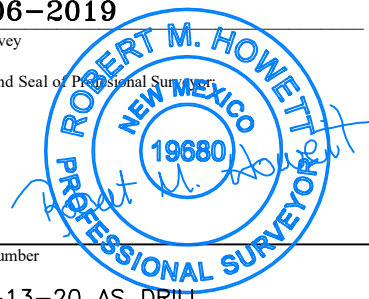
Date of Survey

Signature and Seal of Professional Surveyor

19680

Certificate Number

REV: 7-13-20 AS DRILL



COG Operating LLC

Honey Graham State Com 703H

Eddy County, NM (NAD27 NME)

OH / 65664

Surveys (Ensign 155)

Surface Loc.:

Northing: (Y) 376293.20

Easting: (X) 568007.60

RKB Elev: 3108.00'

GL Elev: 3084.00'

Survey Type Information:

H 100.00 - 8590.00 SCIENTIFIC GYRO SURVEYS : SCIENTIFIC KEEPER

H 8590.00 - 21732.00 PHOENIX MWD SURVEYS : MWD+IFR1+FDIR

Measured Depth (ft)	Incl.	Azim.	Sub-Sea Depth (ft)	Vertical Depth (ft)	Local Coord (+N/-S) (ft)	(+E/-W) (ft)	UTM Coord Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0	0	0	-3108	0	0	0	376293.2	568007.6	0	0
100	0.35	139.75	-3008	100	-0.23	0.2	376293	568007.8	0.23	0.35
125	0.34	150.43	-2983	125	-0.36	0.28	376292.8	568007.9	0.34	0.26
150	0.47	138.97	-2958	150	-0.5	0.39	376292.7	568008	0.48	0.61
175	0.65	133.97	-2933	175	-0.67	0.56	376292.5	568008.2	0.65	0.75
200	0.98	134.56	-2908.01	199.99	-0.92	0.81	376292.3	568008.4	0.89	1.32
225	1.04	131.87	-2883.01	224.99	-1.22	1.13	376292	568008.7	1.18	0.31
250	1.03	135.08	-2858.01	249.99	-1.53	1.46	376291.7	568009.1	1.48	0.24
275	1.04	141.83	-2833.02	274.98	-1.87	1.76	376291.3	568009.4	1.8	0.49
300	1.15	144.65	-2808.02	299.98	-2.25	2.04	376291	568009.6	2.17	0.49
325	1.17	143.2	-2783.03	324.97	-2.66	2.34	376290.5	568009.9	2.57	0.14
350	1.19	146.06	-2758.03	349.97	-3.08	2.64	376290.1	568010.2	2.98	0.25
375	1.32	139.16	-2733.04	374.96	-3.52	2.97	376289.7	568010.6	3.4	0.8
400	1.52	137.76	-2708.05	399.95	-3.98	3.38	376289.2	568011	3.84	0.81
425	1.72	136.22	-2683.06	424.94	-4.5	3.87	376288.7	568011.5	4.34	0.82
450	1.74	138.26	-2658.07	449.93	-5.05	4.38	376288.2	568012	4.88	0.26
475	1.87	138.72	-2633.08	474.92	-5.64	4.9	376287.6	568012.5	5.44	0.52
500	2.07	139.7	-2608.09	499.91	-6.29	5.46	376286.9	568013.1	6.07	0.81
525	2.3	139.97	-2583.11	524.89	-7.02	6.08	376286.2	568013.7	6.78	0.92
550	2.35	141.23	-2558.13	549.87	-7.8	6.72	376285.4	568014.3	7.53	0.29
575	2.68	139.95	-2533.16	574.84	-8.65	7.42	376284.6	568015	8.35	1.34
600	2.85	139.9	-2508.19	599.81	-9.57	8.19	376283.6	568015.8	9.25	0.68
625	2.99	138.24	-2483.22	624.78	-10.53	9.03	376282.7	568016.6	10.17	0.65
650	3.33	134.84	-2458.26	649.74	-11.53	9.98	376281.7	568017.6	11.13	1.55
675	3.32	133.89	-2433.3	674.7	-12.55	11.01	376280.7	568018.6	12.11	0.22
700	3.32	134.48	-2408.34	699.66	-13.56	12.05	376279.6	568019.7	13.07	0.14
725	3.43	132.11	-2383.38	724.62	-14.56	13.12	376278.6	568020.7	14.04	0.71
750	3.27	130.43	-2358.43	749.57	-15.53	14.22	376277.7	568021.8	14.96	0.75
775	2.83	126.78	-2333.46	774.54	-16.36	15.26	376276.8	568022.9	15.75	1.92

Measured Depth (ft)	Incl.	Azim.	Sub-Sea Depth (ft)	Vertical Depth (ft)	Local Coord (+N/-S) (ft)	(+E/-W) (ft)	UTM Coord		Vertical Section (ft)	Dogleg Rate (°/100ft)
							Northings	Eastings		
							(ft)	(ft)		
800	2.21	110.76	-2308.49	799.51	-16.9	16.2	376276.3	568023.8	16.25	3.73
825	1.65	92.22	-2283.5	824.5	-17.09	17.01	376276.1	568024.6	16.41	3.33
850	1.55	67.32	-2258.51	849.49	-16.97	17.69	376276.2	568025.3	16.27	2.79
875	1.73	39.78	-2233.52	874.48	-16.55	18.24	376276.7	568025.8	15.82	3.2
900	2.17	18.2	-2208.53	899.47	-15.81	18.63	376277.4	568026.2	15.07	3.39
925	2.75	5.02	-2183.56	924.44	-14.76	18.83	376278.4	568026.4	14.01	3.23
950	3.25	359.33	-2158.59	949.41	-13.46	18.87	376279.7	568026.5	12.71	2.33
975	3.81	355.23	-2133.64	974.36	-11.92	18.8	376281.3	568026.4	11.18	2.46
1000	4.39	348.57	-2108.7	999.3	-10.15	18.54	376283.1	568026.1	9.42	3
1025	4.99	347.61	-2083.79	1024.21	-8.15	18.11	376285.1	568025.7	7.44	2.42
1050	5.52	342.74	-2058.89	1049.11	-5.94	17.52	376287.3	568025.1	5.25	2.77
1075	6.15	338.53	-2034.02	1073.98	-3.55	16.68	376289.7	568024.3	2.9	3.04
1100	6.59	334.57	-2009.18	1098.82	-1.01	15.57	376292.2	568023.2	0.4	2.49
1125	7.02	331.13	-1984.35	1123.65	1.63	14.22	376294.8	568021.8	-2.18	2.37
1150	6.96	330.13	-1959.54	1148.46	4.28	12.72	376297.5	568020.3	-4.77	0.54
1175	6.81	329.85	-1934.72	1173.28	6.87	11.23	376300.1	568018.8	-7.31	0.61
1200	6.31	328.19	-1909.88	1198.12	9.32	9.76	376302.5	568017.4	-9.7	2.14
1225	5.44	326.44	-1885.01	1222.99	11.48	8.38	376304.7	568016	-11.8	3.55
1250	4.79	325.27	-1860.11	1247.89	13.32	7.13	376306.5	568014.7	-13.59	2.63
1275	4.05	322.11	-1835.19	1272.81	14.88	5.99	376308.1	568013.6	-15.1	3.12
1300	3.3	323.34	-1810.24	1297.76	16.15	5.02	376309.4	568012.6	-16.33	3.02
1325	2.53	327.03	-1785.27	1322.73	17.19	4.29	376310.4	568011.9	-17.35	3.17
1350	1.89	324.06	-1760.29	1347.71	17.99	3.75	376311.2	568011.4	-18.12	2.6
1375	1.3	321.3	-1735.3	1372.7	18.54	3.33	376311.7	568010.9	-18.66	2.38
1400	0.27	341.85	-1710.3	1397.7	18.82	3.13	376312	568010.7	-18.93	4.21
1425	0.21	356.79	-1685.3	1422.7	18.92	3.11	376312.1	568010.7	-19.03	0.34
1450	0.15	346.23	-1660.3	1447.7	19	3.1	376312.2	568010.7	-19.11	0.27
1475	0.03	11.45	-1635.3	1472.7	19.04	3.09	376312.2	568010.7	-19.14	0.49
1500	0.16	69.07	-1610.3	1497.7	19.06	3.13	376312.3	568010.7	-19.16	0.58
1525	0.17	57.92	-1585.3	1522.7	19.09	3.19	376312.3	568010.8	-19.2	0.13
1550	0.05	7.47	-1560.3	1547.7	19.12	3.23	376312.3	568010.8	-19.23	0.57
1575	0.05	30.97	-1535.3	1572.7	19.14	3.23	376312.3	568010.8	-19.25	0.08
1600	0.04	65.33	-1510.3	1597.7	19.15	3.25	376312.4	568010.9	-19.26	0.11
1625	0.17	47.08	-1485.3	1622.7	19.18	3.28	376312.4	568010.9	-19.29	0.53
1650	0.1	25.41	-1460.3	1647.7	19.23	3.32	376312.4	568010.9	-19.34	0.34
1675	0.09	68.69	-1435.3	1672.7	19.25	3.35	376312.5	568011	-19.37	0.28
1700	0.04	310.73	-1410.3	1697.7	19.27	3.36	376312.5	568011	-19.38	0.46
1725	0.26	60.49	-1385.3	1722.7	19.3	3.4	376312.5	568011	-19.42	1.1
1750	0.16	27.79	-1360.3	1747.7	19.36	3.47	376312.6	568011.1	-19.48	0.61
1775	0.03	15.94	-1335.3	1772.7	19.39	3.48	376312.6	568011.1	-19.52	0.52
1800	0.03	10.27	-1310.3	1797.7	19.41	3.49	376312.6	568011.1	-19.53	0.01
1825	0.26	62.52	-1285.3	1822.7	19.44	3.54	376312.6	568011.1	-19.56	0.97
1850	0.18	40.31	-1260.3	1847.7	19.5	3.61	376312.7	568011.2	-19.62	0.46
1875	0.28	76.47	-1235.3	1872.7	19.54	3.7	376312.7	568011.3	-19.67	0.69
1900	0.15	309.2	-1210.3	1897.7	19.58	3.73	376312.8	568011.3	-19.71	1.56
1925	0.07	323.25	-1185.3	1922.7	19.61	3.7	376312.8	568011.3	-19.74	0.34
1950	0.09	346.11	-1160.3	1947.7	19.64	3.68	376312.8	568011.3	-19.77	0.15
1975	0.13	13.85	-1135.3	1972.7	19.69	3.69	376312.9	568011.3	-19.82	0.26
2000	0.58	11.44	-1110.3	1997.7	19.84	3.72	376313	568011.3	-19.97	1.8
2025	0.6	2.49	-1085.31	2022.69	20.09	3.75	376313.3	568011.4	-20.22	0.38

Measured Depth (ft)	Incl.	Azim.	Sub-Sea Depth (ft)	Vertical Depth (ft)	Local Coord (+N/-S) (ft)	(+E/-W) (ft)	UTM Coord		Vertical Section (ft)	Dogleg Rate (°/100ft)
							Northings	Eastings		
							(ft)	(ft)		
2050	0.65	10.4	-1060.31	2047.69	20.36	3.78	376313.6	568011.4	-20.5	0.4
2075	0.75	18.24	-1035.31	2072.69	20.66	3.86	376313.9	568011.5	-20.79	0.55
2100	0.71	6.67	-1010.31	2097.69	20.97	3.93	376314.2	568011.5	-21.1	0.61
2125	0.83	12.29	-985.31	2122.69	21.3	3.98	376314.5	568011.6	-21.44	0.57
2150	0.91	8.69	-960.32	2147.68	21.67	4.05	376314.9	568011.7	-21.81	0.39
2175	0.92	4.07	-935.32	2172.68	22.07	4.1	376315.3	568011.7	-22.21	0.3
2200	0.83	15.98	-910.32	2197.68	22.44	4.16	376315.6	568011.8	-22.59	0.81
2225	0.88	5.39	-885.33	2222.67	22.81	4.23	376316	568011.8	-22.95	0.66
2250	1.21	347.3	-860.33	2247.67	23.26	4.19	376316.5	568011.8	-23.4	1.85
2275	1.55	338.19	-835.34	2272.66	23.83	4	376317	568011.6	-23.97	1.61
2300	1.99	327	-810.35	2297.65	24.51	3.64	376317.7	568011.2	-24.63	2.23
2325	2.57	317.3	-785.37	2322.63	25.28	3.03	376318.5	568010.6	-25.38	2.78
2350	3.18	311.99	-760.4	2347.6	26.16	2.13	376319.4	568009.7	-26.22	2.66
2375	3.71	309.81	-735.45	2372.55	27.14	0.99	376320.3	568008.6	-27.16	2.18
2400	4.21	308.01	-710.51	2397.49	28.22	-0.35	376321.4	568007.3	-28.19	2.06
2425	4.93	304.66	-685.58	2422.42	29.4	-1.96	376322.6	568005.6	-29.3	3.07
2450	5.55	303.13	-660.69	2447.31	30.67	-3.85	376323.9	568003.8	-30.5	2.54
2475	5.38	304.05	-635.8	2472.2	31.99	-5.84	376325.2	568001.8	-31.73	0.76
2500	5.56	304.24	-610.92	2497.08	33.32	-7.81	376326.5	567999.8	-32.99	0.72
2525	5.99	301.81	-586.04	2521.96	34.69	-9.92	376327.9	567997.7	-34.28	1.98
2550	5.82	301.89	-561.18	2546.82	36.05	-12.1	376329.3	567995.5	-35.55	0.68
2575	5.85	300.72	-536.31	2571.69	37.37	-14.28	376330.6	567993.3	-36.78	0.49
2600	6.24	300.49	-511.44	2596.56	38.71	-16.54	376331.9	567991.1	-38.03	1.56
2625	6.12	300.79	-486.59	2621.41	40.08	-18.86	376333.3	567988.7	-39.31	0.5
2650	6.2	299.71	-461.73	2646.27	41.43	-21.17	376334.6	567986.4	-40.57	0.56
2675	6.18	298.91	-436.88	2671.12	42.75	-23.53	376336	567984.1	-41.8	0.35
2700	6.47	297.43	-412.03	2695.97	44.05	-25.95	376337.3	567981.7	-43	1.33
2725	6.51	296.31	-387.19	2720.81	45.33	-28.47	376338.5	567979.1	-44.18	0.53
2750	6.54	296.09	-362.35	2745.65	46.58	-31.02	376339.8	567976.6	-45.34	0.16
2775	6.45	296.05	-337.52	2770.48	47.83	-33.56	376341	567974	-46.48	0.36
2800	6.54	295.87	-312.68	2795.32	49.06	-36.11	376342.3	567971.5	-47.62	0.37
2825	6.52	296	-287.84	2820.16	50.31	-38.66	376343.5	567968.9	-48.76	0.1
2850	6.66	294.41	-263	2845	51.53	-41.26	376344.7	567966.3	-49.88	0.92
2875	6.51	295.42	-238.17	2869.83	52.74	-43.86	376345.9	567963.7	-50.98	0.76
2900	6.81	294.37	-213.34	2894.66	53.96	-46.49	376347.2	567961.1	-52.1	1.3
2925	6.47	294.64	-188.5	2919.5	55.16	-49.12	376348.4	567958.5	-53.19	1.37
2950	6.2	293.8	-163.66	2944.34	56.29	-51.63	376349.5	567956	-54.23	1.14
2975	5.2	292.64	-138.78	2969.22	57.27	-53.92	376350.5	567953.7	-55.12	4.03
3000	5.08	289.88	-113.88	2994.12	58.08	-56	376351.3	567951.6	-55.85	1.1
3025	4.39	288.85	-88.97	3019.03	58.77	-57.95	376352	567949.7	-56.46	2.78
3050	3.64	286.4	-64.03	3043.97	59.3	-59.62	376352.5	567948	-56.92	3.08
3075	2.61	284.55	-39.07	3068.93	59.67	-60.93	376352.9	567946.7	-57.24	4.14
3100	2.21	280.69	-14.09	3093.91	59.9	-61.95	376353.1	567945.7	-57.43	1.73
3125	1.92	277.88	10.9	3118.9	60.05	-62.84	376353.3	567944.8	-57.54	1.23
3150	1.73	275.07	35.88	3143.88	60.14	-63.63	376353.3	567944	-57.6	0.84
3175	1.7	272.46	60.87	3168.87	60.19	-64.38	376353.4	567943.2	-57.62	0.33
3200	1.85	276.17	85.86	3193.86	60.25	-65.15	376353.5	567942.5	-57.65	0.76
3225	1.52	278.25	110.85	3218.85	60.34	-65.88	376353.5	567941.7	-57.72	1.34
3250	1.77	277.98	135.84	3243.84	60.44	-66.59	376353.6	567941	-57.79	1
3275	1.87	278.34	160.83	3268.83	60.55	-67.38	376353.8	567940.2	-57.87	0.4

Measured Depth (ft)	Incl.	Azim.	Sub-Sea Depth (ft)	Vertical Depth (ft)	Local Coord (+N/-S) (ft)	(+E/-W) (ft)	UTM Coord		Vertical Section (ft)	Dogleg Rate (°/100ft)
							Northings	Eastings		
							(ft)	(ft)		
3300	2.1	286.3	185.81	3293.81	60.74	-68.22	376353.9	567939.4	-58.03	1.43
3325	2.58	290.48	210.79	3318.79	61.06	-69.19	376354.3	567938.4	-58.31	2.04
3350	2.98	296.57	235.76	3343.76	61.55	-70.29	376354.8	567937.3	-58.76	1.99
3375	3.36	298.46	260.72	3368.72	62.19	-71.52	376355.4	567936.1	-59.35	1.58
3400	3.7	302.15	285.67	3393.67	62.97	-72.85	376356.2	567934.8	-60.07	1.64
3425	4.05	303.97	310.62	3418.62	63.89	-74.26	376357.1	567933.3	-60.94	1.48
3450	4.51	305.21	335.55	3443.55	64.95	-75.8	376358.2	567931.8	-61.94	1.88
3475	5.11	306.14	360.46	3468.46	66.17	-77.5	376359.4	567930.1	-63.1	2.42
3500	5.41	307.95	385.35	3493.35	67.56	-79.33	376360.8	567928.3	-64.4	1.37
3525	5.86	307.02	410.23	3518.23	69.05	-81.28	376362.3	567926.3	-65.82	1.84
3550	6.4	308.5	435.09	3543.09	70.69	-83.38	376363.9	567924.2	-67.37	2.25
3575	6.83	308.73	459.92	3567.92	72.48	-85.63	376365.7	567922	-69.08	1.72
3600	7.48	307.65	484.73	3592.73	74.41	-88.08	376367.6	567919.5	-70.91	2.65
3625	7.93	307.82	509.5	3617.5	76.46	-90.73	376369.7	567916.9	-72.85	1.8
3650	8.34	308.51	534.25	3642.25	78.64	-93.51	376371.8	567914.1	-74.93	1.69
3675	8.74	307.54	558.97	3666.97	80.93	-96.44	376374.1	567911.2	-77.1	1.7
3700	9.21	306.95	583.67	3691.67	83.29	-99.54	376376.5	567908.1	-79.34	1.92
3725	9.36	306.81	608.34	3716.34	85.71	-102.77	376378.9	567904.8	-81.63	0.61
3750	9.56	305.41	633	3741	88.13	-106.09	376381.3	567901.5	-83.92	1.22
3775	9.67	305.87	657.65	3765.65	90.57	-109.48	376383.8	567898.1	-86.22	0.54
3800	9.4	305.18	682.3	3790.3	92.97	-112.85	376386.2	567894.8	-88.49	1.17
3825	8.38	303.49	707	3815	95.15	-116.04	376388.4	567891.6	-90.55	4.21
3850	7.5	302.93	731.76	3839.76	97.05	-118.93	376390.3	567888.7	-92.32	3.53
3875	6.87	301.33	756.57	3864.57	98.71	-121.58	376391.9	567886	-93.88	2.64
3900	6.19	301.31	781.41	3889.41	100.19	-124.01	376393.4	567883.6	-95.26	2.72
3925	5.29	299.44	806.28	3914.28	101.46	-126.16	376394.7	567881.4	-96.45	3.68
3950	4.49	296.39	831.19	3939.19	102.46	-128.04	376395.7	567879.6	-97.37	3.36
3975	3.94	293.42	856.12	3964.12	103.23	-129.71	376396.4	567877.9	-98.08	2.37
4000	3.86	292.14	881.06	3989.06	103.89	-131.27	376397.1	567876.3	-98.68	0.47
4025	3.61	292.41	906.01	4014.01	104.51	-132.78	376397.7	567874.8	-99.24	1
4050	3.43	292.32	930.96	4038.96	105.09	-134.2	376398.3	567873.4	-99.77	0.72
4075	3.5	290.5	955.92	4063.92	105.64	-135.61	376398.8	567872	-100.26	0.52
4100	3.52	290.17	980.87	4088.87	106.18	-137.04	376399.4	567870.6	-100.74	0.11
4125	3.54	289.72	1005.82	4113.82	106.7	-138.49	376399.9	567869.1	-101.21	0.14
4150	3.62	290.24	1030.77	4138.77	107.23	-139.96	376400.4	567867.6	-101.68	0.35
4175	3.43	287.01	1055.73	4163.73	107.73	-141.41	376400.9	567866.2	-102.12	1.1
4200	3.37	287.92	1080.68	4188.68	108.17	-142.83	376401.4	567864.8	-102.51	0.32
4225	3.44	288.9	1105.64	4213.64	108.64	-144.24	376401.8	567863.4	-102.92	0.36
4250	3.4	288.07	1130.59	4238.59	109.11	-145.65	376402.3	567862	-103.34	0.25
4275	3.43	289.25	1155.55	4263.55	109.59	-147.06	376402.8	567860.5	-103.76	0.31
4300	3.41	289.05	1180.5	4288.5	110.08	-148.47	376403.3	567859.1	-104.19	0.09
4325	3.52	287.07	1205.46	4313.46	110.55	-149.91	376403.8	567857.7	-104.6	0.65
4350	3.44	288.7	1230.41	4338.41	111.01	-151.35	376404.2	567856.3	-105.01	0.51
4375	3.47	288.44	1255.37	4363.37	111.49	-152.78	376404.7	567854.8	-105.44	0.14
4400	3.57	287.02	1280.32	4388.32	111.96	-154.24	376405.2	567853.4	-105.85	0.53
4425	3.45	286.75	1305.27	4413.27	112.4	-155.7	376405.6	567851.9	-106.23	0.48
4450	3.56	286.95	1330.23	4438.23	112.85	-157.17	376406.1	567850.4	-106.62	0.44
4475	3.57	286.79	1355.18	4463.18	113.3	-158.65	376406.5	567849	-107.01	0.06
4500	3.57	286.72	1380.13	4488.13	113.75	-160.15	376407	567847.5	-107.4	0.02
4525	3.62	286.64	1405.08	4513.08	114.2	-161.65	376407.4	567846	-107.79	0.2

Measured Depth (ft)	Incl.	Azim.	Sub-Sea Depth (ft)	Vertical Depth (ft)	Local Coord (+N/-S) (ft)	(+E/-W) (ft)	UTM Coord		Vertical Section (ft)	Dogleg Rate (°/100ft)
							Northings	Eastings		
							(ft)	(ft)		
4550	3.57	287.22	1430.03	4538.03	114.65	-163.15	376407.9	567844.5	-108.19	0.25
4575	3.51	283.78	1454.98	4562.98	115.07	-164.63	376408.3	567843	-108.54	0.88
4600	3.42	285.02	1479.94	4587.94	115.44	-166.1	376408.6	567841.5	-108.86	0.47
4625	3.48	285.12	1504.89	4612.89	115.83	-167.55	376409	567840.1	-109.2	0.24
4650	3.41	283.87	1529.85	4637.85	116.21	-169	376409.4	567838.6	-109.51	0.41
4675	3.3	283.59	1554.8	4662.8	116.56	-170.43	376409.8	567837.2	-109.81	0.44
4700	3.39	283.75	1579.76	4687.76	116.9	-171.84	376410.1	567835.8	-110.1	0.36
4725	3.44	282.35	1604.72	4712.72	117.24	-173.29	376410.4	567834.3	-110.37	0.39
4750	3.49	283.99	1629.67	4737.67	117.58	-174.76	376410.8	567832.8	-110.66	0.44
4775	3.34	283.91	1654.63	4762.63	117.94	-176.21	376411.1	567831.4	-110.96	0.6
4800	3.46	284.28	1679.58	4787.58	118.3	-177.65	376411.5	567830	-111.27	0.49
4825	3.42	285.9	1704.54	4812.54	118.69	-179.1	376411.9	567828.5	-111.6	0.42
4850	3.41	286.13	1729.49	4837.49	119.1	-180.53	376412.3	567827.1	-111.96	0.07
4875	3.4	284.99	1754.45	4862.45	119.5	-181.96	376412.7	567825.6	-112.3	0.27
4900	3.5	287.79	1779.4	4887.4	119.93	-183.4	376413.1	567824.2	-112.67	0.78
4925	3.43	287.34	1804.36	4912.36	120.38	-184.84	376413.6	567822.8	-113.07	0.3
4950	3.58	287.88	1829.31	4937.31	120.84	-186.3	376414	567821.3	-113.47	0.61
4975	3.47	287.23	1854.27	4962.27	121.31	-187.76	376414.5	567819.8	-113.88	0.47
5000	3.54	288.38	1879.22	4987.22	121.78	-189.22	376415	567818.4	-114.29	0.4
5025	3.44	290.23	1904.17	5012.17	122.28	-190.65	376415.5	567817	-114.73	0.6
5050	3.51	291.69	1929.13	5037.13	122.82	-192.07	376416	567815.5	-115.22	0.45
5075	3.63	292.28	1954.08	5062.08	123.4	-193.51	376416.6	567814.1	-115.75	0.5
5100	3.5	291.78	1979.03	5087.03	123.99	-194.95	376417.2	567812.7	-116.27	0.53
5125	3.59	293.47	2003.98	5111.98	124.58	-196.38	376417.8	567811.2	-116.81	0.55
5150	3.59	293.73	2028.93	5136.93	125.21	-197.81	376418.4	567809.8	-117.38	0.07
5175	3.7	295.26	2053.88	5161.88	125.87	-199.26	376419.1	567808.3	-117.98	0.59
5200	3.72	294.43	2078.83	5186.83	126.55	-200.73	376419.8	567806.9	-118.61	0.23
5225	3.61	294.87	2103.78	5211.78	127.21	-202.18	376420.4	567805.4	-119.21	0.45
5250	3.71	294.75	2128.73	5236.73	127.88	-203.63	376421.1	567804	-119.83	0.4
5275	3.78	297.95	2153.67	5261.67	128.61	-205.09	376421.8	567802.5	-120.49	0.88
5300	3.72	296.11	2178.62	5286.62	129.35	-206.55	376422.6	567801.1	-121.18	0.54
5325	3.81	296.84	2203.57	5311.57	130.08	-208.02	376423.3	567799.6	-121.85	0.41
5350	3.88	298.32	2228.51	5336.51	130.86	-209.5	376424.1	567798.1	-122.57	0.49
5375	3.96	299.37	2253.45	5361.45	131.68	-211	376424.9	567796.6	-123.34	0.43
5400	4.03	299.84	2278.39	5386.39	132.54	-212.51	376425.7	567795.1	-124.14	0.31
5425	3.92	300.59	2303.33	5411.33	133.42	-214.01	376426.6	567793.6	-124.95	0.49
5450	4.03	300.66	2328.27	5436.27	134.3	-215.5	376427.5	567792.1	-125.77	0.44
5475	4.02	301.8	2353.21	5461.21	135.21	-217	376428.4	567790.6	-126.62	0.32
5500	4.09	303.33	2378.15	5486.15	136.16	-218.49	376429.4	567789.1	-127.52	0.52
5525	4.19	304.17	2403.08	5511.08	137.16	-219.99	376430.4	567787.6	-128.46	0.47
5550	4.24	303.43	2428.01	5536.01	138.19	-221.52	376431.4	567786.1	-129.42	0.3
5575	4.28	302.86	2452.94	5560.94	139.2	-223.08	376432.4	567784.5	-130.38	0.23
5600	4.16	304.92	2477.88	5585.88	140.23	-224.6	376433.4	567783	-131.34	0.77
5625	4.32	304.03	2502.81	5610.81	141.27	-226.13	376434.5	567781.5	-132.33	0.69
5650	4.27	303.89	2527.74	5635.74	142.32	-227.68	376435.5	567779.9	-133.31	0.2
5675	4.19	304.01	2552.67	5660.67	143.35	-229.21	376436.6	567778.4	-134.28	0.32
5700	4.24	304.42	2577.6	5685.6	144.38	-230.73	376437.6	567776.9	-135.25	0.23
5725	4.22	304.23	2602.53	5710.53	145.42	-232.25	376438.6	567775.4	-136.23	0.1
5750	4.39	303.91	2627.46	5735.46	146.47	-233.81	376439.7	567773.8	-137.22	0.69
5775	4.31	302.99	2652.39	5760.39	147.52	-235.39	376440.7	567772.2	-138.2	0.42

Measured Depth (ft)	Incl.	Azim.	Sub-Sea Depth (ft)	Vertical Depth (ft)	Local Coord (+N/-S) (ft)	(+E/-W) (ft)	UTM Coord		Vertical Section (ft)	Dogleg Rate (°/100ft)
							Northings	Eastings		
							(ft)	(ft)		
5800	4.29	304.02	2677.32	5785.32	148.55	-236.95	376441.8	567770.7	-139.18	0.32
5825	4.44	304.87	2702.25	5810.25	149.63	-238.52	376442.8	567769.1	-140.19	0.65
5850	4.2	304.65	2727.18	5835.18	150.7	-240.07	376443.9	567767.5	-141.2	0.96
5875	4.34	303.66	2752.11	5860.11	151.75	-241.61	376445	567766	-142.19	0.63
5900	4.38	303.41	2777.04	5885.04	152.8	-243.19	376446	567764.4	-143.18	0.18
5925	4.11	302.57	2801.97	5909.97	153.81	-244.74	376447	567762.9	-144.12	1.11
5950	4.32	300.32	2826.9	5934.9	154.76	-246.31	376448	567761.3	-145.02	1.07
5975	4.15	301.44	2851.83	5959.83	155.71	-247.9	376448.9	567759.7	-145.9	0.76
6000	4.19	301.37	2876.77	5984.77	156.66	-249.45	376449.9	567758.2	-146.79	0.16
6025	4.15	301.14	2901.7	6009.7	157.6	-251	376450.8	567756.6	-147.67	0.17
6050	4.15	299.86	2926.63	6034.63	158.52	-252.56	376451.7	567755	-148.53	0.37
6075	4.03	299.61	2951.57	6059.57	159.4	-254.11	376452.6	567753.5	-149.35	0.49
6100	4.06	299.42	2976.51	6084.51	160.27	-255.64	376453.5	567752	-150.16	0.13
6125	4.09	299.94	3001.44	6109.44	161.15	-257.19	376454.4	567750.4	-150.98	0.19
6150	4.03	299.48	3026.38	6134.38	162.03	-258.72	376455.2	567748.9	-151.79	0.27
6175	4.12	297.74	3051.32	6159.32	162.88	-260.28	376456.1	567747.3	-152.58	0.61
6200	4.22	299.23	3076.25	6184.25	163.75	-261.88	376457	567745.7	-153.39	0.59
6225	4.12	297.66	3101.19	6209.19	164.61	-263.48	376457.8	567744.1	-154.19	0.61
6250	4	296.49	3126.12	6234.12	165.42	-265.06	376458.6	567742.5	-154.93	0.58
6275	3.99	294.56	3151.06	6259.06	166.17	-266.63	376459.4	567741	-155.62	0.54
6300	4.04	292.56	3176	6284	166.87	-268.23	376460.1	567739.4	-156.26	0.59
6325	3.95	291.08	3200.94	6308.94	167.52	-269.85	376460.7	567737.8	-156.84	0.55
6350	4.07	290.72	3225.88	6333.88	168.14	-271.48	376461.3	567736.1	-157.4	0.49
6375	4.31	289.68	3250.81	6358.81	168.77	-273.2	376462	567734.4	-157.96	1.01
6400	4.21	288.65	3275.74	6383.74	169.38	-274.95	376462.6	567732.7	-158.5	0.5
6425	4.3	286.42	3300.67	6408.67	169.94	-276.72	376463.1	567730.9	-158.99	0.75
6450	5	280.09	3325.59	6433.59	170.39	-278.69	376463.6	567728.9	-159.37	3.47
6475	5.13	279	3350.49	6458.49	170.76	-280.87	376464	567726.7	-159.65	0.65
6500	5.18	278.99	3375.39	6483.39	171.11	-283.08	376464.3	567724.5	-159.92	0.2
6525	5.29	279.8	3400.29	6508.29	171.48	-285.34	376464.7	567722.3	-160.2	0.53
6550	5.36	279	3425.18	6533.18	171.86	-287.62	376465.1	567720	-160.49	0.41
6575	5.37	279.14	3450.07	6558.07	172.23	-289.93	376465.4	567717.7	-160.77	0.07
6600	5.39	279.53	3474.96	6582.96	172.61	-292.25	376465.8	567715.4	-161.06	0.17
6625	5.39	281.02	3499.85	6607.85	173.03	-294.56	376466.2	567713	-161.38	0.56
6650	5.44	288.12	3524.74	6632.74	173.62	-296.83	376466.8	567710.8	-161.89	2.69
6675	5.55	287.72	3549.63	6657.63	174.36	-299.11	376467.6	567708.5	-162.53	0.47
6700	5.62	287.39	3574.51	6682.51	175.09	-301.43	376468.3	567706.2	-163.18	0.31
6725	5.52	288.24	3599.39	6707.39	175.83	-303.74	376469	567703.9	-163.83	0.52
6750	5.57	287.57	3624.27	6732.27	176.58	-306.04	376469.8	567701.6	-164.48	0.33
6775	5.52	285.87	3649.15	6757.15	177.27	-308.35	376470.5	567699.3	-165.09	0.69
6800	5.31	283.9	3674.04	6782.04	177.88	-310.63	376471.1	567697	-165.6	1.12
6825	5.23	283.69	3698.94	6806.94	178.43	-312.86	376471.6	567694.7	-166.06	0.33
6850	5.33	285.17	3723.83	6831.83	179	-315.09	376472.2	567692.5	-166.55	0.68
6875	5.43	283.46	3748.72	6856.72	179.58	-317.36	376472.8	567690.2	-167.04	0.76
6900	5.48	283.95	3773.61	6881.61	180.14	-319.67	376473.3	567687.9	-167.51	0.27
6925	5.46	283.38	3798.49	6906.49	180.71	-321.99	376473.9	567685.6	-167.98	0.23
6950	5.54	283.32	3823.38	6931.38	181.26	-324.32	376474.5	567683.3	-168.44	0.32
6975	5.51	285.8	3848.26	6956.26	181.86	-326.65	376475.1	567681	-168.96	0.96
7000	5.79	290.41	3873.14	6981.14	182.63	-328.98	376475.8	567678.6	-169.63	2.13
7025	6.09	292.22	3898.01	7006.01	183.57	-331.39	376476.8	567676.2	-170.48	1.41

Measured Depth (ft)	Incl.	Azim.	Sub-Sea Depth (ft)	Vertical Depth (ft)	Local Coord (+N/-S) (ft)	(+E/-W) (ft)	UTM Coord		Vertical Section (ft)	Dogleg Rate (°/100ft)
							Northings	Eastings		
							(ft)	(ft)		
7050	6.04	293.01	3922.87	7030.87	184.59	-333.83	376477.8	567673.8	-171.4	0.39
7075	6.12	294.67	3947.73	7055.73	185.66	-336.25	376478.9	567671.4	-172.37	0.77
7100	6.24	296.17	3972.58	7080.58	186.81	-338.68	376480	567668.9	-173.43	0.8
7125	6.27	296.19	3997.43	7105.43	188.01	-341.13	376481.2	567666.5	-174.54	0.12
7150	6.27	295.69	4022.28	7130.28	189.21	-343.58	376482.4	567664	-175.64	0.22
7175	6.25	296.7	4047.13	7155.13	190.41	-346.03	376483.6	567661.6	-176.74	0.45
7200	6.16	297.29	4071.99	7179.99	191.64	-348.44	376484.8	567659.2	-177.87	0.44
7225	6.16	297.84	4096.84	7204.84	192.88	-350.82	376486.1	567656.8	-179.02	0.24
7250	6.2	296.86	4121.7	7229.7	194.12	-353.21	376487.3	567654.4	-180.16	0.45
7275	6.01	297.24	4146.56	7254.56	195.33	-355.57	376488.5	567652	-181.28	0.78
7300	6.04	297.54	4171.42	7279.42	196.53	-357.9	376489.7	567649.7	-182.39	0.17
7325	5.79	296.16	4196.28	7304.28	197.7	-360.2	376490.9	567647.4	-183.47	1.15
7350	5.68	295.59	4221.16	7329.16	198.79	-362.45	376492	567645.2	-184.47	0.5
7375	5.54	296.99	4246.04	7354.04	199.87	-364.64	376493.1	567643	-185.46	0.78
7400	5.45	294.04	4270.93	7378.93	200.9	-366.8	376494.1	567640.8	-186.41	1.19
7425	5.2	294.77	4295.82	7403.82	201.86	-368.91	376495.1	567638.7	-187.29	1.04
7450	5.03	294.34	4320.72	7428.72	202.79	-370.94	376496	567636.7	-188.13	0.7
7475	4.86	292.07	4345.62	7453.62	203.63	-372.92	376496.8	567634.7	-188.9	1.04
7500	4.85	292.62	4370.53	7478.53	204.44	-374.88	376497.6	567632.7	-189.63	0.19
7525	4.77	290.42	4395.45	7503.45	205.21	-376.83	376498.4	567630.8	-190.32	0.8
7550	4.65	288.44	4420.36	7528.36	205.89	-378.76	376499.1	567628.8	-190.93	0.81
7575	4.73	288.48	4445.28	7553.28	206.54	-380.7	376499.7	567626.9	-191.5	0.32
7600	4.68	287.17	4470.19	7578.19	207.17	-382.65	376500.4	567625	-192.05	0.47
7625	4.54	286.78	4495.11	7603.11	207.75	-384.58	376501	567623	-192.56	0.57
7650	4.46	286.58	4520.04	7628.04	208.32	-386.45	376501.5	567621.2	-193.05	0.33
7675	4.38	285.44	4544.96	7652.96	208.85	-388.31	376502.1	567619.3	-193.51	0.48
7700	4.34	286.25	4569.89	7677.89	209.37	-390.13	376502.6	567617.5	-193.96	0.29
7725	4.28	284.75	4594.82	7702.82	209.87	-391.94	376503.1	567615.7	-194.39	0.51
7750	4.17	283.3	4619.75	7727.75	210.32	-393.73	376503.5	567613.9	-194.77	0.61
7775	4.19	284.11	4644.68	7752.68	210.75	-395.5	376504	567612.1	-195.13	0.25
7800	4.17	282.61	4669.62	7777.62	211.17	-397.27	376504.4	567610.3	-195.48	0.44
7825	4.12	282.8	4694.55	7802.55	211.57	-399.04	376504.8	567608.6	-195.81	0.21
7850	4.23	282.41	4719.49	7827.49	211.96	-400.81	376505.2	567606.8	-196.14	0.45
7875	4.25	282.35	4744.42	7852.42	212.36	-402.62	376505.6	567605	-196.46	0.08
7900	4.18	282.18	4769.35	7877.35	212.75	-404.41	376506	567603.2	-196.78	0.28
7925	4.18	283.03	4794.28	7902.28	213.15	-406.19	376506.4	567601.4	-197.11	0.25
7950	4.18	282.29	4819.22	7927.22	213.55	-407.97	376506.8	567599.6	-197.44	0.22
7975	4.37	283.35	4844.15	7952.15	213.96	-409.79	376507.2	567597.8	-197.78	0.82
8000	4.42	282.43	4869.07	7977.07	214.39	-411.66	376507.6	567595.9	-198.13	0.35
8025	4.3	281.97	4894	8002	214.79	-413.51	376508	567594.1	-198.46	0.5
8050	4.45	282.83	4918.93	8026.93	215.2	-415.38	376508.4	567592.2	-198.8	0.65
8075	4.43	281.25	4943.85	8051.85	215.6	-417.27	376508.8	567590.3	-199.13	0.5
8100	4.24	282.33	4968.78	8076.78	215.99	-419.12	376509.2	567588.5	-199.44	0.83
8125	4.33	281.28	4993.71	8101.71	216.37	-420.95	376509.6	567586.7	-199.75	0.48
8150	4.06	280.37	5018.65	8126.65	216.71	-422.74	376509.9	567584.9	-200.03	1.11
8175	3.89	280.82	5043.59	8151.59	217.03	-424.45	376510.2	567583.2	-200.28	0.69
8200	3.81	280.82	5068.53	8176.53	217.35	-426.09	376510.6	567581.5	-200.53	0.32
8225	3.58	279.95	5093.48	8201.48	217.64	-427.68	376510.8	567579.9	-200.76	0.95
8250	3.52	279.88	5118.43	8226.43	217.91	-429.2	376511.1	567578.4	-200.96	0.24
8275	3.52	278.59	5143.38	8251.38	218.15	-430.72	376511.4	567576.9	-201.15	0.32

Measured Depth (ft)	Incl.	Azim.	Sub-Sea Depth (ft)	Vertical Depth (ft)	Local Coord (+N/-S) (ft)	(+E/-W) (ft)	UTM Coord		Vertical Section (ft)	Dogleg Rate (°/100ft)
							Northings	Eastings		
							(ft)	(ft)		
8300	3.48	279.07	5168.34	8276.34	218.39	-432.23	376511.6	567575.4	-201.33	0.2
8325	3.55	278.11	5193.29	8301.29	218.61	-433.74	376511.8	567573.9	-201.49	0.37
8350	3.4	275.88	5218.24	8326.24	218.8	-435.25	376512	567572.4	-201.62	0.81
8375	3.35	276.75	5243.2	8351.2	218.96	-436.71	376512.2	567570.9	-201.73	0.29
8400	3.45	271.01	5268.16	8376.16	219.06	-438.19	376512.3	567569.4	-201.77	1.42
8425	3.22	273.51	5293.11	8401.11	219.12	-439.64	376512.3	567568	-201.77	1.09
8450	3.16	274.68	5318.07	8426.07	219.22	-441.03	376512.4	567566.6	-201.81	0.35
8475	2.96	275.35	5343.04	8451.04	219.33	-442.36	376512.5	567565.2	-201.88	0.81
8500	2.98	277.99	5368	8476	219.48	-443.64	376512.7	567564	-201.98	0.55
8525	3.07	279.87	5392.97	8500.97	219.69	-444.95	376512.9	567562.7	-202.13	0.54
8550	3.05	282.79	5417.93	8525.93	219.95	-446.25	376513.2	567561.4	-202.34	0.63
8575	3.05	284.04	5442.9	8550.9	220.26	-447.55	376513.5	567560.1	-202.6	0.27
8590	3.25	284.55	5457.88	8565.88	220.46	-448.35	376513.7	567559.3	-202.77	1.35 Tie In
8742	3.57	280.41	5609.61	8717.61	222.4	-457.17	376515.6	567550.4	-204.36	0.27
8836	2.91	273.41	5703.46	8811.46	223.07	-462.43	376516.3	567545.2	-204.83	0.82
8868	3.4	238.29	5735.41	8843.41	222.62	-464.05	376515.8	567543.6	-204.31	6.12
8899	6.54	213.93	5766.29	8874.29	220.67	-465.82	376513.9	567541.8	-202.3	11.99
8931	9.77	202.81	5797.97	8905.97	216.66	-467.89	376509.9	567539.7	-198.2	11.19
8962	14.41	200.56	5828.27	8936.27	210.62	-470.26	376503.8	567537.3	-192.07	15.04
8993	18.08	199.14	5858.03	8966.03	202.46	-473.2	376495.7	567534.4	-183.81	11.91
9025	21.31	197.76	5888.15	8996.15	192.23	-476.6	376485.4	567531	-173.45	10.2
9056	23.4	195.44	5916.82	9024.82	180.93	-479.96	376474.1	567527.6	-162.03	7.32
9088	24.76	191.94	5946.04	9054.04	168.24	-483.04	376461.4	567524.6	-149.24	6.16
9119	27.23	190.15	5973.9	9081.9	154.91	-485.63	376448.1	567522	-135.81	8.36
9150	31.18	188.56	6000.96	9108.96	139.99	-488.07	376433.2	567519.5	-120.8	12.98
9182	35.2	187.75	6027.73	9135.73	122.65	-490.55	376415.9	567517.1	-103.38	12.64
9214	37.95	184.71	6053.43	9161.43	103.7	-492.6	376396.9	567515	-84.37	10.29
9245	41.92	180.89	6077.2	9185.2	83.83	-493.55	376377	567514.1	-64.48	15.05
9276	46.34	178.92	6099.44	9207.44	62.26	-493.5	376355.5	567514.1	-42.92	14.93
9307	49.97	178.89	6120.12	9228.12	39.17	-493.06	376332.4	567514.5	-19.87	11.71
9339	55.37	178.7	6139.52	9247.52	13.74	-492.52	376306.9	567515.1	5.52	16.88
9363	59.53	178.78	6152.43	9260.43	-6.48	-492.08	376286.7	567515.5	25.71	17.32
9370	60.74	178.8	6155.91	9263.91	-12.55	-491.95	376280.7	567515.7	31.77	17.32
9401	64.4	178.81	6170.19	9278.19	-40.05	-491.37	376253.2	567516.2	59.23	11.81
9433	67.81	178.98	6183.15	9291.15	-69.3	-490.81	376223.9	567516.8	88.43	10.67
9464	71.9	177.68	6193.83	9301.83	-98.38	-489.96	376194.8	567517.6	117.46	13.77
9495	76.51	177.6	6202.26	9310.26	-128.18	-488.73	376165	567518.9	147.18	14.87
9526	80.19	177.37	6208.52	9316.52	-158.51	-487.4	376134.7	567520.2	177.44	11.89
9558	82.64	177.11	6213.3	9321.3	-190.11	-485.87	376103.1	567521.7	208.95	7.7
9589	84.96	177.15	6216.65	9324.65	-220.89	-484.33	376072.3	567523.3	239.65	7.48
9684	88.83	179.05	6221.79	9329.79	-315.67	-481.19	375977.5	567526.4	334.24	4.54
9778	89.04	177.72	6223.54	9331.54	-409.62	-478.54	375883.6	567529.1	428.01	1.43
9872	88.09	177.56	6225.89	9333.89	-503.51	-474.67	375789.7	567532.9	521.68	1.02
9967	87.64	180.77	6229.43	9337.43	-598.42	-473.29	375694.8	567534.3	616.46	3.41
10060	88.48	180.45	6232.58	9340.58	-691.36	-474.28	375601.8	567533.3	709.37	0.97
10154	88.58	179.47	6234.99	9342.99	-785.33	-474.21	375507.9	567533.4	803.26	1.05
10248	89.99	180.34	6236.16	9344.16	-879.32	-474.05	375413.9	567533.6	897.17	1.76
10342	91.93	178.38	6234.59	9342.59	-973.29	-473.01	375319.9	567534.6	991.03	2.93
10436	90.88	179.63	6232.28	9340.28	-1067.24	-471.37	375226	567536.2	1084.85	1.74
10530	86.92	181.49	6234.09	9342.09	-1161.2	-472.29	375132	567535.3	1178.77	4.65

Measured Depth (ft)	Incl.	Azim.	Sub-Sea Depth (ft)	Vertical Depth (ft)	Local Coord (+N/-S) (ft)	(+E/-W) (ft)	UTM Coord		Vertical Section (ft)	Dogleg Rate (°/100ft)
							Northings	Eastings		
							(ft)	(ft)		
10658	87.52	181.63	6240.3	9348.3	-1289	-475.77	375004.2	567531.8	1306.61	0.48
10752	87.34	181.7	6244.51	9352.51	-1382.86	-478.5	374910.3	567529.1	1400.51	0.21
10846	86.66	181.81	6249.43	9357.43	-1476.69	-481.38	374816.5	567526.2	1494.38	0.73
10936	89.23	180.75	6252.66	9360.66	-1566.6	-483.38	374726.6	567524.2	1584.3	3.09
11030	90.68	180.1	6252.73	9360.73	-1660.6	-484.08	374632.6	567523.5	1678.25	1.69
11124	91.35	179.5	6251.07	9359.07	-1754.58	-483.75	374538.6	567523.9	1772.15	0.96
11219	91.87	179.39	6248.4	9356.4	-1849.54	-482.83	374443.7	567524.8	1867	0.56
11313	93.45	181.02	6244.04	9352.04	-1943.43	-483.17	374349.8	567524.4	1960.83	2.41
11407	91.84	181.39	6239.7	9347.7	-2037.31	-485.14	374255.9	567522.5	2054.71	1.76
11501	90.34	181.16	6237.91	9345.91	-2131.26	-487.23	374161.9	567520.4	2148.68	1.61
11595	90.25	179.64	6237.43	9345.43	-2225.26	-487.89	374067.9	567519.7	2242.63	1.62
11689	92.07	179.45	6235.52	9343.52	-2319.23	-487.14	373974	567520.5	2336.5	1.95
11784	92.24	179.26	6231.95	9339.95	-2414.16	-486.08	373879	567521.5	2431.31	0.27
11878	92.31	179.03	6228.22	9336.22	-2508.07	-484.67	373785.1	567522.9	2525.1	0.26
11973	91.68	178.35	6224.91	9332.91	-2602.99	-482.5	373690.2	567525.1	2619.86	0.98
12067	91.14	178.78	6222.6	9330.6	-2696.93	-480.15	373596.3	567527.5	2713.64	0.73
12161	90.06	178.44	6221.62	9329.62	-2790.9	-477.87	373502.3	567529.7	2807.44	1.2
12255	90.68	179.7	6221.01	9329.01	-2884.88	-476.34	373408.3	567531.3	2901.29	1.49
12349	90	179.44	6220.45	9328.45	-2978.87	-475.64	373314.3	567532	2995.19	0.77
12443	89.48	179.09	6220.88	9328.88	-3072.87	-474.43	373220.3	567533.2	3089.06	0.67
12537	91.09	179.81	6220.41	9328.41	-3166.86	-473.53	373126.3	567534.1	3182.94	1.88
12630	90.33	179.49	6219.26	9327.26	-3259.85	-472.96	373033.4	567534.6	3275.84	0.89
12725	88.76	178.78	6220.01	9328.01	-3354.83	-471.53	372938.4	567536.1	3370.7	1.81
12819	89.9	180.51	6221.11	9329.11	-3448.82	-470.95	372844.4	567536.7	3464.59	2.2
12912	92.23	181.42	6219.38	9327.38	-3541.78	-472.51	372751.4	567535.1	3557.54	2.69
13007	90.46	179.95	6217.15	9325.15	-3636.74	-473.65	372656.5	567534	3652.47	2.42
13101	92.71	181.28	6214.55	9322.55	-3730.69	-474.65	372562.5	567533	3746.39	2.78
13195	92.03	180.84	6210.66	9318.66	-3824.59	-476.39	372468.6	567531.2	3840.29	0.86
13290	91.43	180.78	6207.8	9315.8	-3919.54	-477.73	372373.7	567529.9	3935.22	0.63
13384	90.7	181.05	6206.05	9314.05	-4013.51	-479.24	372279.7	567528.4	4029.18	0.83
13479	90.05	180.98	6205.43	9313.43	-4108.49	-480.92	372184.7	567526.7	4124.15	0.69
13573	89.53	180.98	6205.77	9313.77	-4202.48	-482.53	372090.7	567525.1	4218.13	0.55
13667	88.67	180.47	6207.25	9315.25	-4296.46	-483.71	371996.7	567523.9	4312.08	1.06
13762	87.78	180.03	6210.19	9318.19	-4391.41	-484.13	371901.8	567523.5	4406.98	1.04
13856	89.37	179.82	6212.53	9320.53	-4485.38	-484.01	371807.8	567523.6	4500.87	1.71
13950	88.57	178.83	6214.22	9322.22	-4579.35	-482.9	371713.9	567524.7	4594.73	1.35
14045	91.61	179.63	6214.07	9322.07	-4674.33	-481.62	371618.9	567526	4689.59	3.31
14139	91.81	179.44	6211.26	9319.26	-4768.29	-480.86	371524.9	567526.7	4783.44	0.29
14233	90.83	178.7	6209.1	9317.1	-4862.25	-479.33	371431	567528.3	4877.27	1.31
14327	90.53	179.44	6207.98	9315.98	-4956.23	-477.81	371337	567529.8	4971.12	0.85
14421	89.98	179.05	6207.57	9315.57	-5050.22	-476.57	371243	567531	5064.99	0.72
14516	93.85	180.87	6204.39	9312.39	-5145.15	-476.5	371148.1	567531.1	5159.84	4.5
14610	92.32	181.65	6199.33	9307.33	-5238.98	-478.57	371054.2	567529	5253.68	1.83
14704	92.68	182.5	6195.23	9303.23	-5332.83	-481.97	370960.4	567525.6	5347.59	0.98
14798	88.01	182.3	6194.67	9302.67	-5426.72	-485.9	370866.5	567521.7	5441.57	4.97
14892	88.08	182.23	6197.87	9305.87	-5520.59	-489.62	370772.6	567518	5535.51	0.11
14986	87.93	181.97	6201.15	9309.15	-5614.47	-493.06	370678.7	567514.5	5629.45	0.32
15081	89.94	180.97	6202.91	9310.91	-5709.42	-495.49	370583.8	567512.1	5724.42	2.36
15175	91.26	180.53	6201.93	9309.93	-5803.4	-496.72	370489.8	567510.9	5818.38	1.48
15269	90.03	179.78	6200.87	9308.87	-5897.39	-496.98	370395.8	567510.6	5912.31	1.53

Measured Depth (ft)	Incl.	Azim.	Sub-Sea Depth (ft)	Vertical Depth (ft)	Local Coord (+N/-S) (ft)	(+E/-W) (ft)	UTM Coord		Vertical Section (ft)	Dogleg Rate (°/100ft)
							Northings	Eastings		
							(ft)	(ft)		
15363	89.5	180.02	6201.25	9309.25	-5991.39	-496.81	370301.8	567510.8	6006.23	0.62
15457	93.09	181.21	6199.13	9307.13	-6085.35	-497.82	370207.9	567509.8	6100.15	4.02
15550	92.65	180.76	6194.47	9302.47	-6178.22	-499.42	370115	567508.2	6193.01	0.68
15644	90.55	180.8	6191.85	9299.85	-6272.17	-500.7	370021	567506.9	6286.94	2.23
15738	89.79	180.8	6191.57	9299.57	-6366.15	-502.01	369927.1	567505.6	6380.91	0.81
15832	89.52	179.8	6192.14	9300.14	-6460.15	-502.5	369833.1	567505.1	6474.85	1.1
15927	89.38	179.87	6193.05	9301.05	-6555.15	-502.23	369738.1	567505.4	6569.77	0.16
16021	90.75	179.85	6192.94	9300.94	-6649.14	-502	369644.1	567505.6	6663.68	1.46
16115	91.18	179.08	6191.36	9299.36	-6743.12	-501.12	369550.1	567506.5	6757.56	0.94
16209	91.86	178.38	6188.86	9296.86	-6837.07	-499.04	369456.1	567508.6	6851.35	1.04
16303	92.25	177.59	6185.49	9293.49	-6930.95	-495.74	369362.3	567511.9	6945.03	0.94
16397	90.73	178.6	6183.05	9291.05	-7024.86	-492.61	369268.3	567515	7038.75	1.94
16491	89.66	179.2	6182.73	9290.73	-7118.84	-490.81	369174.4	567516.8	7132.58	1.31
16585	88.74	178.5	6184.04	9292.04	-7212.81	-488.92	369080.4	567518.7	7226.41	1.23
16680	88.46	177.86	6186.36	9294.36	-7307.73	-485.91	368985.5	567521.7	7321.14	0.74
16774	87.9	177.96	6189.35	9297.35	-7401.62	-482.48	368891.6	567525.1	7414.83	0.61
16869	89.85	180.44	6191.21	9299.21	-7496.58	-481.15	368796.6	567526.5	7509.66	3.32
16963	90.75	180.8	6190.72	9298.72	-7590.58	-482.17	368702.6	567525.4	7603.62	1.03
17057	91.15	180.83	6189.16	9297.16	-7684.55	-483.51	368608.7	567524.1	7697.58	0.43
17152	91.62	180.52	6186.87	9294.87	-7779.52	-484.63	368513.7	567523	7792.52	0.59
17246	91.94	179.65	6183.95	9291.95	-7873.47	-484.77	368419.7	567522.8	7886.4	0.99
17339	91.87	179.2	6180.86	9288.86	-7966.42	-483.83	368326.8	567523.8	7979.24	0.49
17433	91.89	179.17	6177.77	9285.77	-8060.36	-482.5	368232.8	567525.1	8073.06	0.04
17526	91.29	178.68	6175.19	9283.19	-8153.3	-480.75	368139.9	567526.9	8165.86	0.83
17618	90.08	177.08	6174.09	9282.09	-8245.23	-477.35	368048	567530.3	8257.59	2.18
17711	89.85	177.25	6174.15	9282.15	-8338.12	-472.75	367955.1	567534.9	8350.22	0.31
17806	89.87	177.39	6174.38	9282.38	-8433.01	-468.31	367860.2	567539.3	8444.87	0.15
17900	89.75	176.67	6174.69	9282.69	-8526.88	-463.44	367766.3	567544.2	8538.48	0.78
17995	89.82	179.37	6175.05	9283.05	-8621.82	-460.16	367671.4	567547.4	8633.21	2.84
18089	90.28	180.96	6174.97	9282.97	-8715.81	-460.43	367577.4	567547.2	8727.15	1.76
18183	91.03	181.66	6173.89	9281.89	-8809.78	-462.58	367483.4	567545	8821.13	1.09
18277	90.94	181.83	6172.28	9280.28	-8903.72	-465.44	367389.5	567542.2	8915.11	0.2
18371	91.14	181.88	6170.57	9278.57	-8997.66	-468.48	367295.5	567539.1	9009.09	0.22
18466	90.77	181.27	6168.99	9276.99	-9092.61	-471.09	367200.6	567536.5	9104.07	0.75
18560	91.31	182.03	6167.28	9275.28	-9186.55	-473.8	367106.7	567533.8	9198.05	0.99
18654	88.74	180.48	6167.24	9275.24	-9280.52	-475.86	367012.7	567531.7	9292.03	3.19
18748	89.43	181.31	6168.74	9276.74	-9374.5	-477.32	366918.7	567530.3	9385.99	1.15
18842	88.65	180.52	6170.32	9278.32	-9468.47	-478.82	366824.7	567528.8	9479.95	1.18
18937	88.28	180.46	6172.86	9280.86	-9563.43	-479.64	366729.8	567528	9574.87	0.39
19030	88.15	180.99	6175.76	9283.76	-9656.38	-480.81	366636.8	567526.8	9667.79	0.59
19124	88.73	182.12	6178.32	9286.32	-9750.31	-483.36	366542.9	567524.2	9761.75	1.35
19219	92.22	182.23	6177.53	9285.53	-9845.22	-486.97	366448	567520.6	9856.73	3.68
19313	92.75	182.03	6173.45	9281.45	-9939.07	-490.46	366354.1	567517.1	9950.64	0.6
19406	92.8	181.89	6168.95	9276.95	-10031.9	-493.63	366261.3	567514	10043.53	0.16
19500	90.55	181.44	6166.2	9274.2	-10125.8	-496.36	366167.4	567511.2	10137.48	2.44
19594	90.49	181.31	6165.35	9273.35	-10219.8	-498.62	366073.4	567509	10231.47	0.15
19688	90.58	181.97	6164.47	9272.47	-10313.7	-501.31	365979.5	567506.3	10325.46	0.71
19782	88.91	179.22	6164.89	9272.89	-10407.7	-502.29	365885.5	567505.3	10419.4	3.42
19876	89.2	179.82	6166.44	9274.44	-10501.7	-501.5	365791.5	567506.1	10513.29	0.71
19970	89.07	179.56	6167.86	9275.86	-10595.7	-500.99	365697.5	567506.6	10607.18	0.31

Measured Depth (ft)	Incl.	Azim.	Sub-Sea Depth (ft)	Vertical Depth (ft)	Local Coord (+N/-S) (ft)	(+E/-W) (ft)	UTM Coord		Vertical Section (ft)	Dogleg Rate (°/100ft)
							Northings (ft)	Eastings (ft)		
20064	88.48	179.42	6169.87	9277.87	-10689.7	-500.15	365603.5	567507.5	10701.05	0.65
20157	91.59	179.4	6169.81	9277.81	-10782.7	-499.2	365510.6	567508.4	10793.93	3.34
20251	92.62	179.33	6166.36	9274.36	-10876.6	-498.16	365416.6	567509.4	10887.74	1.1
20345	92.9	179.66	6161.83	9269.83	-10970.5	-497.33	365322.7	567510.3	10981.53	0.46
20439	92.87	179.29	6157.1	9265.1	-11064.4	-496.47	365228.9	567511.1	11075.3	0.39
20533	92.16	178.94	6152.98	9260.98	-11158.3	-495.02	365135	567512.6	11169.07	0.84
20628	90.8	179.07	6150.52	9258.52	-11253.2	-493.37	365040	567514.2	11263.88	1.44
20721	89.57	178.77	6150.22	9258.22	-11346.2	-491.61	364947	567516	11356.72	1.36
20815	88.94	178.29	6151.45	9259.45	-11440.1	-489.2	364853.1	567518.4	11450.52	0.84
20909	88.89	178.03	6153.23	9261.23	-11534.1	-486.19	364759.1	567521.4	11544.26	0.28
21003	86.84	176.5	6156.73	9264.73	-11627.9	-481.71	364665.3	567525.9	11637.84	2.72
21097	87.8	176.41	6161.12	9269.12	-11721.6	-475.9	364571.6	567531.7	11731.25	1.03
21191	90.8	177.47	6162.27	9270.27	-11815.5	-470.88	364477.7	567536.7	11824.83	3.38
21285	93.35	180.22	6158.87	9266.87	-11909.4	-468.99	364383.8	567538.6	11918.59	3.99
21377	93.09	179.22	6153.7	9261.7	-12001.2	-468.54	364292	567539.1	12010.35	1.12
21471	92.99	178.7	6148.72	9256.72	-12095.1	-466.83	364198.1	567540.8	12104.07	0.56
21565	94.8	178.77	6142.33	9250.33	-12188.8	-464.76	364104.4	567542.8	12197.67	1.93
21603	94.83	178.88	6139.14	9247.14	-12226.7	-463.99	364066.5	567543.6	12235.47	0.3
21659	94.87	179.04	6134.41	9242.41	-12282.5	-462.97	364010.7	567544.6	12291.18	0.3
21672	95.04	179.22	6133.28	9241.28	-12295.4	-462.78	363997.8	567544.8	12304.11	1.9
21732	95.04	179.22	6128.01	9236.01	-12355.2	-461.96	363938	567545.6	12363.8	0

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.

Vertical depths are relative to RKB. Northings and Eastings are relative to Well.

The Dogleg Severity is in Degrees per 100 feet.

Vertical Section is from Slot and calculated along an Azimuth of 182.240° (Grid).

Coordinate System is NAD 1927 (NADCON CONUS) US State Plane 1927 (Exact solution), New Mexico East 3001.

Grid Convergence at Surface is 0.116°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 21732.00ft.,
the Bottom Hole Displacement is 12363.81ft., in the Direction of 182.240° (Grid).