

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other		5. Lease Serial No. NMNM12828							
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr., Other		6. If Indian, Allottee or Tribe Name							
2. Name of Operator Nearburg Producing Company		7. Unit or CA Agreement Name and No.							
3. Address 3300 N A St., Bldg 2, Ste 120, Midland, TX 79705		8. Lease Name and Well No. Shelby 12 Fed #5							
3a. Phone No. (include area code) 432/686-8235		9. API-Well No. 30-015-33322							
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 2300 FSL and 916 FEL, Sec 11, 22S, 24E At top prod. interval reported below 1850 FNL and 795 FWL, Sec 12, 22S, 24E At total depth 1800 FNL and 825 FWL, Sec 12-22S-24E		10. Field and Pool, or Exploratory McKittrick Hills; Upper Penn							
11. Sec., T., R., M., or Block and Survey or Area 12, 22S, 24E		12. County or Parish Eddy							
13. State NM		17. Elevations (DF, RKB, RT, GL)* 4034 KB							
14. Date Spudded 4/14/04	15. Date T.D. Reached 5/13/04	16. Date Completed ☐ D & A ☒ Ready to Prod. 6/16/04	20. Depth Bridge Plug Set: MD TVD						
18. Total Depth: MD TVD 8677 8368	19. Plug Back T.D.: MD TVD 8629 8320	22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run ☒ No ☐ Yes (Submit report) Directional Survey? ☐ No ☒ Yes (Submit copy)							
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Litho Density, Comp Neutron/ GR									
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt.(#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
14-3/4	9-5/8	36#		1558		1300 sxs		Surface	100 sxs to pit
8-3/4	7	23 & 26		8677		1250 sxs		5000' by	NA
								Temp Surv	
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-7/8	8387								
25. Producing Intervals					26. Perforation Record				
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Cisco Canyon	8272	8438	8272-8438	4 JSPF	664				
B)									
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval		Amount and Type of Material							
8272-8438		9960 gals 20% HCL acid							
28. Production - Interval A									
Date First Produced 6/16/04	Test Date 7/3/04	Hours Tested 24	Test Production →	Oil BBL 22	Gas MCF 12102	Water BBL 3508	Oil Gravity 38.0	Gas Gravity	Production Method Pumping
Choke Size 80/64	Tbg. Press. Flwg. SI 700	Csg. Press.	24 Hr. →	Oil BBL 22	Gas MCF 12102	Water BBL 3508	Gas: Oil Ratio 550091:1	Well Status Producing	
28a. Production-Interval B									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

28c. Production-Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (*Sold, used for fuel, vented, etc.*)

Sold

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

31. Formation (Log) Markers

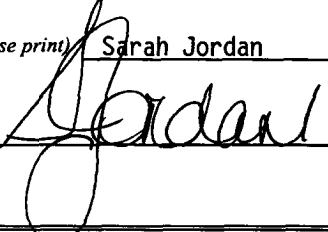
Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Cisco Canyon	8272	TD		Bone Spring	3102
				2 BS Sand	6174
				3 BS Sand	7514
				Wolfcamp	7932
				Cisco Canyon	8272

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☒ Electrical/Mechanical Logs (1 full set req'd)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other

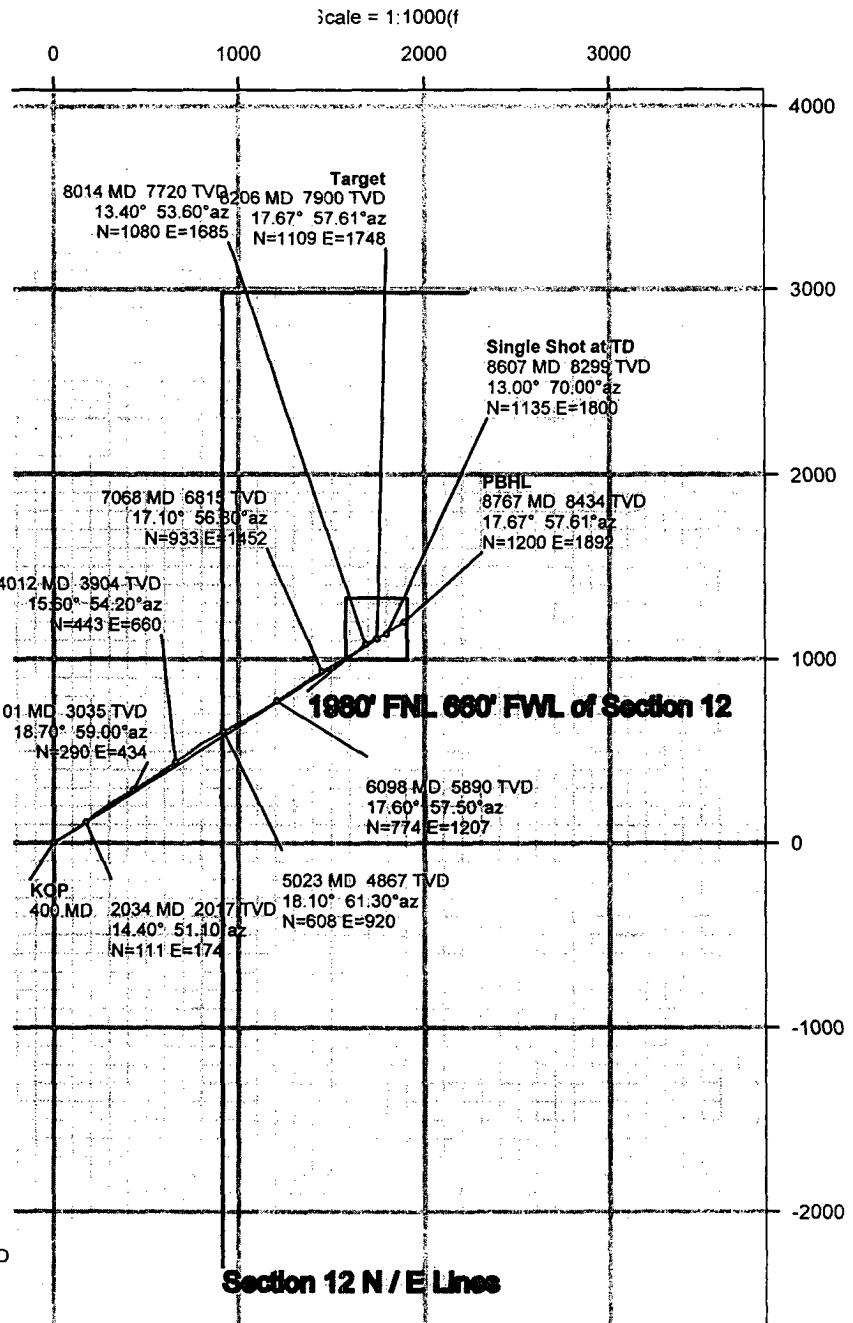
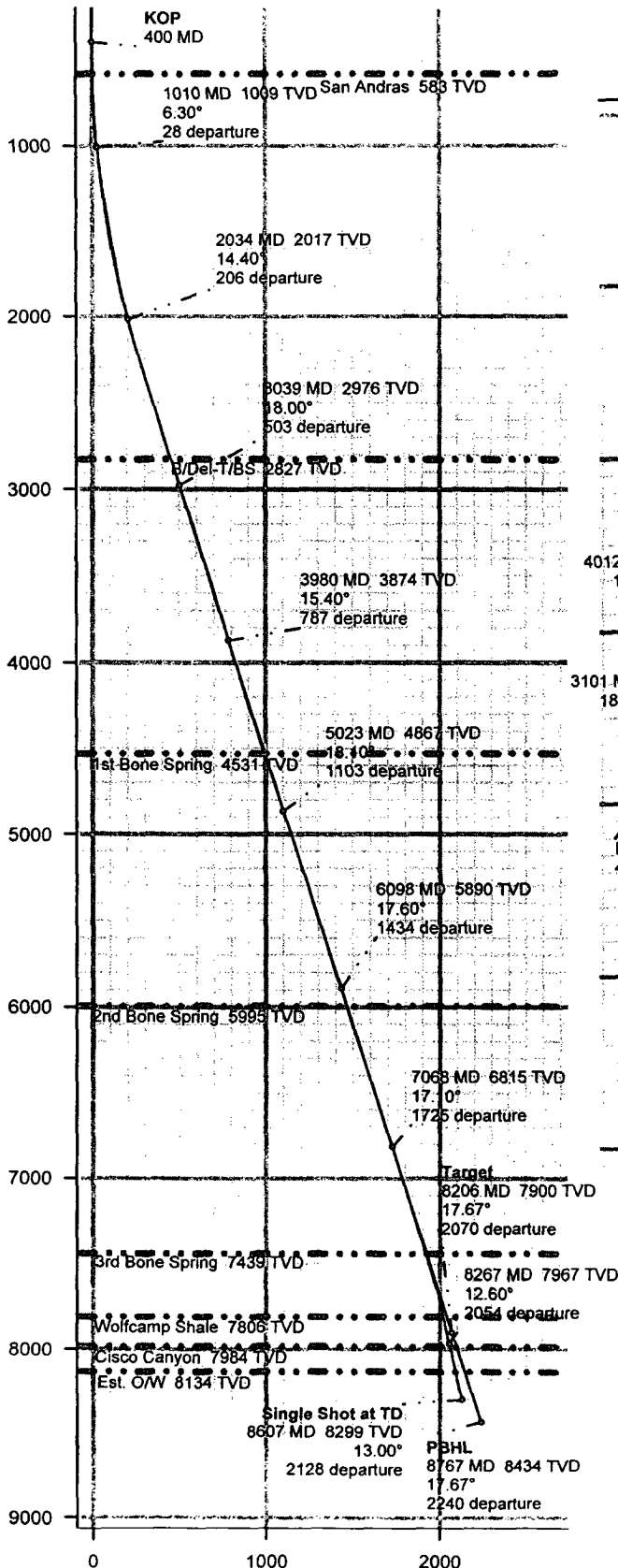
34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Sarah JordanTitle Production AnalystSignature Date 7/15/04

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Nearburg Producing Company

WELL Shelby 12 Fed # 5	FIELD Eddy County, NM	STRUCTURE Shelby 12 Fed # 5
Magnetic Parameters Model: HGRF 2000 Dip: 80.435° Mag Dec: -9.029° Date: April 27, 2004 F.S. 45499.8 nT	Surface Location Lat: N32 24 18 122 Lon: W104 27 46 948 North: 510887.80 RUS Easting: 459988.70 RUS NAD27 New Mexico State Planes, Eastern Zone, US Feet Grid Conv: -0.06950967" Scale Fact: 0.9999129282	Miscellaneous Slot: Shelby 12 Fed # 5 Plan: Shelby 12-5 survey TVD Ref: RKB (0.00 ft above) Survey Date: Thu 01:10 PM April 22, 2004



INTREPID
Directional Drilling Specialists

Departure (ft) Azim = 57.62°, Scale = 1:1000 Origin = 0 N/-S, 0 E/-W

Survey Report

Report Date: May 21, 2004	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: Nearburg Producing Company	Vertical Section Azimuth: 57.620°
Field: Eddy County, NM	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: Shelby 12 Fed # 5 / Shelby 12 Fed # 5	TVD Reference Datum: RKB
Well: Shelby 12 Fed # 5	TVD Reference Elevation: 0.0 ft relative to
Borehole: Shelby 12 Fed # 5	Sea Bed / Ground Level Elevation: 0.000 ft relative to
UW/API#:	Magnetic Declination: 9.029°
Survey Name / Date: Shelby 12-5_surveys / April 22, 2004	Total Field Strength: 49499.579 nT
Tort / AHD / DDI / ERD ratio: 90.795° / 2134.52 ft / 5.303 / 0.257	Magnetic Dip: 60.435°
Grid Coordinate System: NAD27 New Mexico State Planes, Eastern Zone, US Feet	Declination Date: April 22, 2004
Location Lat/Long: N 32 24 16.122, W 104 27 46.949	Magnetic Declination Model: IGRF 2000
Location Grid N/E Y/X: N 510887.900 ftUS, E 459968.700 ftUS	North Reference: Grid North
Grid Convergence Angle: -0.06950967°	Total Corr Mag North -> Grid North: +9.099°
Grid Scale Factor: 0.99991093	Local Coordinates Referenced To: Well Head

Comments	Survey Type (Markers)	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Tool Face (deg)
Tie-In	***	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-43.40M
	***	152.00	0.40	316.60	152.00	-0.10	0.39	-0.36	0.53	316.60	0.26	-162.40M
	***	350.00	0.30	197.60	350.00	-0.63	0.39	-1.00	1.07	291.56	0.31	141.00M
	***	398.00	0.30	141.00	398.00	-0.71	0.18	-0.96	0.97	280.45	0.59	93.20M
	***	428.00	0.50	93.20	428.00	-0.60	0.11	-0.77	0.78	277.92	1.24	79.00M
	***	459.00	0.80	79.00	458.99	-0.29	0.14	-0.43	0.45	288.32	1.09	77.00M
	***	489.00	1.00	77.00	488.99	0.16	0.24	0.03	0.24	7.86	0.67	72.60M
	***	519.00	1.10	72.60	518.98	0.68	0.39	0.56	0.68	55.61	0.43	70.70M
	***	550.00	1.40	70.70	549.98	1.34	0.60	1.20	1.35	63.54	0.98	70.60M
	***	580.00	1.60	70.60	579.97	2.10	0.86	1.95	2.13	66.16	0.67	66.90M
	***	611.00	1.80	66.90	610.95	3.01	1.19	2.80	3.05	66.91	0.74	67.70M
	***	641.00	1.80	67.70	640.94	3.93	1.56	3.67	3.99	67.00	0.08	64.10M
	***	671.00	2.00	64.10	670.92	4.92	1.97	4.58	4.98	66.76	0.78	63.00M
	***	702.00	2.20	63.00	701.90	6.05	2.47	5.59	6.12	66.16	0.66	60.50M
	***	733.00	2.50	60.50	732.88	7.32	3.08	6.71	7.38	65.39	1.02	57.20M
	***	764.00	2.90	57.20	763.84	8.78	3.83	7.96	8.84	64.29	1.38	56.90M
	***	794.00	3.20	56.90	793.80	10.37	4.70	9.30	10.42	63.18	1.00	57.90M
	***	825.00	3.60	57.90	824.74	12.21	5.69	10.85	12.25	62.32	1.30	57.10M
	***	856.00	4.00	57.10	855.68	14.26	6.80	12.58	14.30	61.63	1.30	57.50M
	***	886.00	4.40	57.50	885.59	16.46	7.98	14.43	16.49	61.05	1.34	56.90M
	***	917.00	4.80	56.90	916.49	18.95	9.33	16.52	18.97	60.55	1.30	58.80M
	***	948.00	5.10	58.80	947.38	21.62	10.75	18.79	21.64	60.22	1.10	18.41G
	***	979.00	5.70	60.80	978.24	24.54	12.22	21.31	24.56	60.17	2.03	3.14G
	***	1010.00	6.30	61.10	1009.07	27.77	13.79	24.14	27.80	60.26	1.94	4.67G
	***	1040.00	6.70	61.38	1038.88	31.16	15.42	27.12	31.20	60.37	1.34	-7.01G
	***	1070.00	7.30	60.80	1068.65	34.81	17.19	30.32	34.85	60.45	2.01	-3.83G
	***	1100.00	7.70	60.60	1098.40	38.72	19.11	33.73	38.77	60.47	1.34	-35.07G
	***	1130.00	8.00	59.10	1128.12	42.81	21.17	37.27	42.87	60.41	1.21	57.55G
	***	1160.00	8.10	60.20	1157.82	47.01	23.29	40.90	47.07	60.34	0.61	-35.99G
	***	1190.00	8.30	59.20	1187.51	51.29	25.45	44.59	51.34	60.29	0.82	-90.00G
	***	1220.00	8.30	58.60	1217.20	55.62	27.68	48.30	55.67	60.18	0.29	-48.36G
	***	1251.00	8.50	57.10	1247.87	60.15	30.09	52.14	60.20	60.00	0.96	-25.00G
	***	1280.00	8.90	55.90	1276.53	64.53	32.52	55.79	64.58	59.77	1.51	-51.61G
	***	1311.00	9.00	55.10	1307.16	69.35	35.25	59.77	69.39	59.47	0.52	60.52G
	***	1340.00	9.10	56.20	1335.80	73.91	37.82	63.53	73.94	59.23	0.69	90.00G
	***	1370.00	9.10	56.70	1365.42	78.65	40.44	67.49	78.68	59.07	0.26	-20.91G
	***	1400.00	9.40	56.00	1395.03	83.47	43.12	71.50	83.50	58.91	1.07	-3.21G
	***	1461.00	9.70	55.90	1455.18	93.59	48.78	79.89	93.60	58.59	0.49	4.91G
	***	1511.00	9.90	56.00	1504.45	102.10	53.55	86.94	102.11	58.37	0.40	90.00G
	***	1597.00	9.90	60.90	1589.17	116.87	61.28	99.53	116.88	58.38	0.98	-90.00G
	***	1630.00	9.90	60.70	1621.68	122.53	64.05	104.48	122.55	58.49	0.10	90.00G

Comments	Survey Type (Markers)	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Tool Face (deg)
	***	1659.00	9.90	61.20	1650.25	127.51	66.47	108.84	127.53	58.59	0.30	-6.73G
	***	1690.00	10.20	61.00	1680.78	132.91	69.08	113.57	132.93	58.69	0.97	-26.94G
	***	1721.00	10.60	59.90	1711.27	138.50	71.84	118.44	138.53	58.76	1.44	-2.21G
	***	1752.00	11.10	59.80	1741.71	144.33	74.77	123.49	144.36	58.80	1.61	-33.53G
	***	1784.00	11.40	58.80	1773.10	150.57	77.96	128.85	150.60	58.82	1.12	-43.74G
	***	1816.00	11.70	57.40	1804.45	156.98	81.35	134.29	157.01	58.79	1.28	-34.31G
	***	1847.00	12.20	55.80	1834.78	163.39	84.88	139.65	163.42	58.71	1.93	-44.23G
	***	1879.00	12.40	54.90	1866.04	170.21	88.76	145.26	170.23	58.57	0.87	-21.95G
	***	1909.00	12.90	54.00	1895.31	176.77	92.58	150.60	176.78	58.42	1.79	-27.12G
	***	1941.00	13.40	52.90	1926.47	184.03	96.92	156.45	184.04	58.22	1.75	-30.51G
	***	1973.00	13.60	52.40	1957.59	191.47	101.45	162.39	191.47	58.01	0.72	-33.80G
	***	2004.00	14.00	51.30	1987.70	198.82	106.02	168.20	198.82	57.78	1.54	-7.09G
	***	2034.00	14.40	51.10	2016.78	206.14	110.63	173.94	206.14	57.54	1.34	-19.08G
	***	2066.00	15.00	50.30	2047.73	214.20	115.77	180.22	214.20	57.28	1.98	-30.59G
	***	2098.00	15.50	49.20	2078.60	222.53	121.21	186.64	222.55	57.00	1.81	10.29G
	***	2128.00	15.80	49.40	2107.49	230.54	126.49	192.78	230.57	56.73	1.02	34.65G
	***	2159.00	16.00	49.90	2137.31	238.95	131.99	199.25	239.00	56.48	0.78	-20.54G
	***	2190.00	16.30	49.50	2167.08	247.49	137.56	205.83	247.57	56.24	1.03	-63.43G
	***	2221.00	16.40	48.80	2196.83	256.12	143.27	212.43	256.23	56.00	0.71	-90.00G
	***	2253.00	16.40	48.50	2227.53	265.05	149.24	219.21	265.19	55.75	0.26	66.57G
	***	2284.00	16.50	49.30	2257.26	273.73	155.01	225.83	273.91	55.53	0.80	82.43G
	***	2315.00	16.60	51.60	2286.97	282.49	160.63	232.63	282.70	55.38	2.14	63.22G
	***	2346.00	17.00	54.20	2316.65	291.41	166.03	239.78	291.65	55.30	2.75	-55.94G
	***	2378.00	17.10	53.70	2347.25	300.78	171.55	247.37	301.03	55.26	0.55	24.06G
	***	2409.00	17.30	54.00	2376.86	309.92	176.96	254.77	310.20	55.22	0.71	-16.65G
	***	2441.00	17.40	53.90	2407.40	319.45	182.58	262.48	319.74	55.18	0.33	0.00G
	***	2472.00	17.50	53.90	2436.98	328.72	188.06	269.99	329.03	55.14	0.32	56.68G
	***	2504.00	17.60	54.40	2467.49	338.35	193.71	277.82	338.68	55.11	0.57	67.98G
	***	2536.00	17.70	55.20	2497.98	348.05	199.30	285.74	348.38	55.11	0.82	169.94G
	***	2568.00	17.20	55.50	2528.51	357.63	204.76	293.64	357.98	55.11	1.59	127.81G
	***	2599.00	16.70	57.80	2558.16	366.67	209.72	301.18	367.01	55.15	2.70	-117.24G
	***	2632.00	16.50	56.40	2589.79	376.10	214.84	309.10	376.43	55.20	1.36	63.70G
	***	2663.00	16.60	57.10	2619.50	384.92	219.69	316.48	385.26	55.23	0.72	35.93G
	***	2694.00	16.80	57.60	2649.19	393.83	224.49	323.98	394.16	55.28	0.79	11.28G
	***	2726.00	17.40	58.00	2679.78	403.24	229.51	331.95	403.56	55.34	1.91	-2.24G
	***	2758.00	18.20	57.90	2710.25	413.02	234.70	340.24	413.33	55.40	2.50	30.10G
	***	2790.00	18.70	58.80	2740.60	423.15	240.01	348.86	423.45	55.47	1.80	25.94G
	***	2821.00	18.90	59.10	2769.95	433.14	245.16	357.42	433.42	55.55	0.72	154.60G
	***	2851.00	18.50	59.70	2798.37	442.75	250.06	365.70	443.02	55.64	1.48	-7.42G
	***	2882.00	19.00	59.50	2827.72	452.71	255.10	374.29	452.96	55.72	1.63	0.00G
	***	2913.00	19.60	59.50	2856.98	462.95	260.30	383.12	463.18	55.81	1.94	158.60G
	***	2945.00	19.10	60.10	2887.17	473.54	265.64	392.28	473.76	55.90	1.68	-173.29G
	***	2976.00	18.30	59.80	2916.53	483.48	270.61	400.89	483.67	55.98	2.60	-166.27G
	***	3008.00	17.80	59.40	2946.96	493.38	275.63	409.44	493.57	56.05	1.61	-24.89G
	***	3039.00	18.00	59.10	2976.46	502.91	280.50	417.63	503.08	56.11	0.71	8.88G
	***	3070.00	18.20	59.20	3005.92	512.54	285.44	425.89	512.70	56.17	0.65	-7.31G
	***	3101.00	18.70	59.00	3035.33	522.34	290.48	434.31	522.50	56.22	1.63	-33.15G
	***	3132.00	19.00	58.40	3064.67	532.36	295.68	442.87	532.51	56.27	1.15	-121.86G
	***	3164.00	18.90	57.90	3094.93	542.75	301.17	451.70	542.89	56.31	0.60	162.14G
	***	3195.00	18.80	58.00	3124.27	552.76	306.48	460.19	552.90	56.34	0.34	-152.18G
	***	3226.00	18.50	57.50	3153.64	562.68	311.77	468.57	562.81	56.36	1.10	-171.08G
	***	3258.00	18.30	57.40	3184.01	572.78	317.20	477.08	572.91	56.38	0.63	-174.12G
	***	3289.00	18.00	57.30	3213.46	582.43	322.41	485.22	582.57	56.40	0.97	173.14G
	***	3321.00	17.50	57.50	3243.94	592.19	327.67	493.43	592.32	56.41	1.57	153.81G
	***	3352.00	17.20	58.00	3273.53	601.43	332.60	501.25	601.56	56.43	1.08	36.87G
	***	3383.00	17.40	58.50	3303.13	610.65	337.45	509.09	610.78	56.46	0.80	-64.86G
	***	3414.00	17.50	57.80	3332.70	619.95	342.36	516.99	620.07	56.49	0.75	11.52G
	***	3446.00	17.80	58.00	3363.20	629.65	347.52	525.21	629.77	56.51	0.96	-110.00G

Comments	Survey Type (Markers)	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Tool Face (deg)
***		3478.00	17.60	56.10	3393.68	639.38	352.81	533.37	639.50	56.52	1.91	-90.00G
***		3508.00	17.60	54.40	3422.28	648.44	357.98	540.82	648.56	56.50	1.71	31.66G
***		3540.00	17.90	55.00	3452.75	658.18	363.61	548.78	658.32	56.47	1.10	25.01G
***		3571.00	18.10	55.30	3482.24	667.75	369.09	556.65	667.89	56.45	0.71	-22.85G
***		3603.00	18.40	54.90	3512.63	677.77	374.82	564.87	677.91	56.43	1.02	148.06G
***		3634.00	18.20	55.30	3542.06	687.49	380.39	572.85	687.64	56.41	0.76	-161.07G
***		3666.00	17.50	54.50	3572.52	697.29	386.03	580.87	697.45	56.39	2.32	-170.05G
***		3697.00	17.00	54.20	3602.12	706.46	391.39	588.34	706.63	56.37	1.64	131.08G
***		3729.00	16.80	55.00	3632.74	715.75	396.77	595.93	715.93	56.34	0.96	45.83G
***		3760.00	17.00	55.70	3662.40	724.76	401.90	603.34	724.94	56.33	0.92	-124.69G
***		3792.00	16.90	55.20	3693.01	734.08	407.19	611.02	734.27	56.32	0.55	-90.00G
***		3823.00	16.90	54.20	3722.67	743.08	412.40	618.38	743.28	56.30	0.94	90.00G
***		3855.00	16.90	54.50	3753.29	752.37	417.82	625.94	752.58	56.28	0.27	173.18G
***		3886.00	16.20	54.80	3783.01	761.19	422.93	633.14	761.40	56.26	2.27	-176.90G
***		3918.00	15.70	54.70	3813.78	769.97	428.00	640.32	770.19	56.24	1.56	-98.68G
***		3948.00	15.60	51.80	3842.66	778.04	432.84	646.80	778.27	56.21	2.63	137.25G
***		3980.00	15.40	52.50	3873.50	786.55	438.09	653.56	786.80	56.17	0.86	67.06G
***		4012.00	15.60	54.20	3904.34	795.08	443.19	660.42	795.34	56.14	1.55	39.50G
***		4041.00	16.40	56.50	3932.21	803.06	447.73	666.99	803.33	56.13	3.52	30.29G
***		4074.00	16.90	57.50	3963.83	812.52	452.88	674.92	812.79	56.14	1.75	30.67G
***		4106.00	17.20	58.10	3994.42	821.90	457.88	682.86	822.17	56.16	1.09	-90.00G
***		4138.00	17.20	56.80	4024.99	831.36	462.97	690.84	831.63	56.17	1.20	-120.12G
***		4170.00	17.00	55.60	4055.58	840.77	468.21	698.66	841.03	56.17	1.27	-90.00G
***		4201.00	17.00	53.90	4085.22	849.82	473.44	706.06	850.09	56.16	1.60	90.00G
***		4233.00	17.00	54.00	4115.82	859.15	478.94	713.62	859.44	56.13	0.09	53.35G
***		4264.00	17.20	54.90	4145.45	868.26	484.24	721.04	868.55	56.12	1.07	45.31G
***		4295.00	17.50	55.90	4175.04	877.49	489.49	728.65	877.80	56.11	1.36	-8.64G
***		4327.00	17.70	55.80	4205.55	887.16	494.92	736.66	887.47	56.10	0.63	-123.65G
***		4359.00	17.60	55.30	4236.04	896.86	500.41	744.66	897.18	56.10	0.57	-7.09G
***		4391.00	18.10	55.10	4266.50	906.66	506.01	752.71	906.98	56.09	1.57	-126.15G
***		4423.00	17.90	54.20	4296.93	916.53	511.73	760.78	916.87	56.07	1.07	-143.24G
***		4455.00	17.50	53.20	4327.42	926.24	517.49	768.62	926.59	56.05	1.57	90.00G
***		4486.00	17.50	54.00	4356.98	935.54	523.02	776.12	935.90	56.02	0.78	-16.83G
***		4517.00	17.60	53.90	4386.54	944.87	528.52	783.68	945.24	56.00	0.34	73.61G
***		4549.00	17.80	56.00	4417.03	954.58	534.11	791.64	954.97	55.99	2.09	63.78G
***		4579.00	18.10	57.90	4445.57	963.83	539.15	799.39	964.21	56.00	2.19	67.60G
***		4611.00	18.30	59.40	4475.97	973.82	544.35	807.93	974.20	56.03	1.59	90.00G
***		4643.00	18.30	60.50	4506.35	983.86	549.38	816.62	984.22	56.07	1.08	70.99G
***		4674.00	18.40	61.40	4535.77	993.60	554.12	825.15	993.94	56.12	0.97	-114.74G
***		4706.00	18.30	60.70	4566.14	1003.66	558.99	833.97	1003.98	56.17	0.76	90.00G
***		4738.00	18.30	60.90	4596.53	1013.69	563.89	842.74	1014.00	56.21	0.20	-57.81G
***		4769.00	18.40	60.40	4625.95	1023.44	568.68	851.25	1023.73	56.26	0.60	90.00G
***		4801.00	18.40	60.60	4656.31	1033.52	573.65	860.04	1033.80	56.30	0.20	-105.40G
***		4832.00	18.30	59.40	4685.74	1043.28	578.53	868.49	1043.54	56.33	1.26	-122.80G
***		4864.00	18.20	58.90	4716.13	1053.29	583.67	877.09	1053.55	56.36	0.58	114.97G
***		4896.00	18.10	59.60	4746.54	1063.26	588.77	885.66	1063.50	56.38	0.75	90.00G
***		4928.00	18.10	59.90	4776.95	1073.19	593.77	894.25	1073.43	56.42	0.29	90.00G
***		4959.00	18.10	60.80	4806.42	1082.81	598.54	902.62	1083.04	56.45	0.90	180.00G
***		4992.00	18.00	60.80	4837.79	1093.02	603.53	911.54	1093.23	56.49	0.30	57.40G
***		5023.00	18.10	61.30	4867.27	1102.61	608.18	919.95	1102.81	56.53	0.59	-90.00G
***		5055.00	18.10	60.50	4897.68	1112.53	613.01	928.64	1112.72	56.57	0.78	57.54G
***		5086.00	18.20	61.00	4927.14	1122.18	617.73	937.06	1122.35	56.61	0.60	-8.97G
***		5118.00	18.40	60.90	4957.52	1132.21	622.61	945.84	1132.37	56.64	0.63	-52.15G
***		5150.00	18.60	60.10	4987.87	1142.35	627.61	954.68	1142.50	56.68	1.01	-128.35G
***		5182.00	18.50	59.70	5018.21	1152.52	632.71	963.49	1152.67	56.71	0.51	-103.38G
***		5214.00	18.40	58.30	5048.56	1162.64	637.93	972.17	1162.78	56.73	1.42	116.54G
***		5246.00	18.10	60.30	5078.95	1172.66	643.05	980.78	1172.79	56.75	2.17	115.87G

Comments	Survey Type (Markers)	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Tool Face (deg)
	***	5278.00	17.80	62.40	5109.40	1182.50	647.78	989.44	1182.62	56.79	2.23	0.00G
	***	5309.00	17.80	62.40	5138.91	1191.94	652.17	997.83	1192.05	56.83	0.00	-39.80G
	***	5340.00	18.10	61.60	5168.40	1201.47	656.65	1006.27	1201.57	56.87	1.25	90.00G
	***	5372.00	18.10	61.80	5198.82	1211.38	661.36	1015.02	1211.48	56.91	0.19	163.10G
	***	5402.00	17.70	62.20	5227.37	1220.58	665.69	1023.16	1220.66	56.95	1.39	-158.29G
	***	5434.00	17.40	61.80	5257.88	1230.20	670.22	1031.68	1230.27	56.99	1.01	-90.00G
	***	5465.00	17.40	61.70	5287.46	1239.44	674.61	1039.85	1239.51	57.03	0.10	90.00G
	***	5497.00	17.40	62.60	5318.00	1248.98	679.08	1048.31	1249.04	57.07	0.84	50.64G
	***	5529.00	17.60	63.40	5348.51	1258.56	683.45	1056.88	1258.61	57.11	0.98	0.00G
	***	5561.00	18.10	63.40	5378.97	1268.32	687.84	1065.65	1268.36	57.16	1.56	-90.00G
	***	5593.00	18.10	62.60	5409.39	1278.22	692.35	1074.51	1278.25	57.20	0.78	-90.00G
	***	5625.00	18.10	61.50	5439.81	1288.13	697.01	1083.29	1288.16	57.24	1.07	-55.00G
	***	5657.00	18.30	60.60	5470.21	1298.11	701.85	1092.04	1298.13	57.27	1.08	-70.37G
	***	5689.00	18.50	58.90	5500.57	1308.20	706.94	1100.76	1308.22	57.29	1.79	-90.00G
	***	5721.00	18.50	58.00	5530.92	1318.35	712.25	1109.42	1318.37	57.30	0.89	175.56G
	***	5751.00	18.10	58.10	5559.40	1327.77	717.24	1117.41	1327.79	57.30	1.34	174.28G
	***	5782.00	17.50	58.30	5588.92	1337.25	722.23	1125.46	1337.27	57.31	1.95	-170.05G
	***	5814.00	17.00	58.00	5619.48	1346.74	727.24	1133.52	1346.76	57.32	1.59	-41.70G
	***	5845.00	17.20	57.40	5649.11	1355.85	732.11	1141.23	1355.87	57.32	0.86	-28.79G
	***	5876.00	17.70	56.50	5678.68	1365.15	737.18	1149.02	1365.17	57.32	1.83	31.63G
	***	5907.00	17.90	56.90	5708.19	1374.62	742.38	1156.94	1374.64	57.31	0.76	-42.90G
	***	5939.00	18.00	56.60	5738.64	1384.48	747.79	1165.19	1384.50	57.31	0.43	51.29G
	***	5971.00	18.10	57.00	5769.06	1394.40	753.22	1173.48	1394.42	57.30	0.50	70.80G
	***	6003.00	18.20	57.90	5799.47	1404.37	758.58	1181.89	1404.39	57.31	0.93	90.00G
	***	6035.00	18.20	59.00	5829.87	1414.36	763.81	1190.40	1414.38	57.31	1.07	-144.47G
	***	6067.00	17.90	58.30	5860.29	1424.27	768.97	1198.87	1424.29	57.32	1.16	-141.27G
	***	6098.00	17.60	57.50	5889.82	1433.72	773.99	1206.88	1433.74	57.33	1.25	-90.00G
	***	6129.00	17.60	56.80	5919.37	1443.10	779.08	1214.75	1443.11	57.33	0.68	90.00G
	***	6161.00	17.60	57.30	5949.87	1452.77	784.34	1222.87	1452.79	57.32	0.47	0.00G
	***	6191.00	17.80	57.30	5978.45	1461.89	789.27	1230.55	1461.91	57.32	0.67	-138.14G
	***	6221.00	17.50	56.40	6007.04	1470.99	794.24	1238.16	1471.01	57.32	1.35	149.14G
	***	6253.00	17.40	56.60	6037.57	1480.58	799.54	1246.16	1480.60	57.32	0.36	-138.55G
	***	6285.00	17.20	56.00	6068.12	1490.09	804.82	1254.08	1490.12	57.31	0.84	16.66G
	***	6315.00	17.40	56.20	6096.76	1499.01	809.79	1261.49	1499.04	57.30	0.70	80.95G
	***	6376.00	17.50	58.10	6154.95	1517.30	819.71	1276.85	1517.33	57.30	0.95	163.63G
	***	6439.00	17.10	58.50	6215.10	1536.04	829.56	1292.79	1536.06	57.31	0.66	-124.85G
	***	6501.00	16.90	57.50	6274.39	1554.16	839.16	1308.16	1554.18	57.32	0.57	-90.00G
	***	6565.00	16.90	56.00	6335.63	1572.76	849.36	1323.72	1572.78	57.31	0.68	-3.52G
	***	6628.00	17.90	55.80	6395.75	1591.59	859.92	1339.32	1591.62	57.30	1.59	137.76G
	***	6692.00	17.70	56.40	6456.68	1611.15	870.84	1355.56	1611.18	57.28	0.42	59.78G
	***	6755.00	17.90	57.50	6516.67	1630.41	881.34	1371.70	1630.44	57.28	0.62	61.88G
	***	6818.00	18.00	58.10	6576.60	1649.82	891.68	1388.13	1649.85	57.28	0.33	-112.46G
	***	6881.00	17.90	57.30	6636.53	1669.24	902.06	1404.54	1669.27	57.29	0.42	171.45G
	***	6943.00	17.50	57.50	6695.60	1688.09	912.22	1420.42	1688.12	57.29	0.65	-90.00G
	***	7005.00	17.50	56.80	6754.73	1706.73	922.33	1436.08	1706.76	57.29	0.34	180.00G
	***	7068.00	17.10	56.80	6814.88	1725.46	932.59	1451.76	1725.49	57.28	0.63	8.55G
	***	7132.00	17.50	57.00	6875.98	1744.49	942.98	1467.70	1744.52	57.28	0.63	124.25G
	***	7195.00	17.30	58.00	6936.10	1763.33	953.10	1483.59	1763.36	57.28	0.57	175.65G
	***	7258.00	16.20	58.30	6996.43	1781.49	962.68	1499.01	1781.52	57.29	1.75	45.84G
	***	7321.00	16.80	60.40	7056.83	1799.37	971.80	1514.41	1799.40	57.31	1.34	46.83G
	***	7384.00	17.40	62.50	7117.05	1817.85	980.65	1530.68	1817.87	57.35	1.37	-156.89G
	***	7447.00	16.60	61.30	7177.30	1836.22	989.32	1546.93	1836.23	57.40	1.39	-117.37G
	***	7511.00	16.40	59.90	7238.66	1854.37	998.24	1562.76	1854.38	57.43	0.70	-2.12G
	***	7574.00	17.20	59.80	7298.97	1872.56	1007.39	1578.51	1872.57	57.45	1.27	-61.66G
	***	7637.00	17.50	58.00	7359.11	1891.34	1017.09	1594.59	1891.35	57.47	0.98	-167.22G
	***	7699.00	16.50	57.20	7418.40	1909.47	1026.80	1609.90	1909.48	57.47	1.66	-39.11G
	***	7762.00	17.20	55.30	7478.69	1927.72	1036.95	1625.08	1927.73	57.46	1.41	-17.02G
	***	7824.00	17.80	54.70	7537.82	1946.35	1047.64	1640.35	1946.36	57.43	1.01	-90.00G

Comments	Survey Type (Markers)	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Tool Face (deg)
	***	7887.00	17.80	54.60	7597.81	1965.58	1058.79	1656.06	1965.59	57.41	0.05	-132.12G
	***	7950.00	17.40	53.10	7657.86	1984.59	1070.02	1671.44	1984.60	57.37	0.96	179.24G
	***	7982.00	15.40	53.20	7688.55	1993.59	1075.44	1678.67	1993.61	57.35	6.25	177.35G
	***	8014.00	13.40	53.60	7719.55	2001.53	1080.19	1685.06	2001.55	57.34	6.26	149.35G
	***	8046.00	12.40	56.40	7750.74	2008.66	1084.29	1690.90	2008.69	57.33	3.68	131.75G
	***	8078.00	11.80	59.80	7782.03	2015.37	1087.83	1696.59	2015.39	57.33	2.91	134.08G
	***	8109.00	11.30	62.50	7812.40	2021.56	1090.83	1702.03	2021.58	57.34	2.37	-135.96G
	***	8141.00	11.20	62.00	7843.78	2027.78	1093.74	1707.55	2027.80	57.36	0.44	-34.79G
	***	8172.00	11.40	61.30	7874.18	2033.84	1096.62	1712.90	2033.86	57.37	0.78	-2.71G
	***	8204.00	12.30	61.10	7905.50	2040.40	1099.79	1718.65	2040.42	57.38	2.82	68.75G
	***	8267.00	12.60	64.40	7967.02	2053.92	1106.00	1730.73	2053.94	57.42	1.23	74.87G
Single Shot at TD	***	8607.00	13.00	70.00	8298.58	2128.10	<u>1135.11</u>	<u>1800.11</u>	2128.11	57.77	0.38	0.00G

Survey Report

Report Date: August 5, 2004	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: Nearburg Producing Company	Vertical Section Azimuth: 57.620°
Field: Eddy County, NM	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: Shelby 12 Fed # 5 / Shelby 12 Fed # 5	TVD Reference Datum: RKB
Well: Shelby 12 Fed # 5	TVD Reference Elevation: 0.0 ft relative to
Borehole: Shelby 12 Fed # 5	Sea Bed / Ground Level Elevation: 0.000 ft relative to
UWI/API#:	Magnetic Declination: 9.029°
Survey Name / Date: Shelby 12-5_surveys / April 22, 2004	Total Field Strength: 49499.579 nT
Tort / AHD / DDI / ERD ratio: 90.795° / 2150.27 ft / 5.306 / 0.257	Magnetic Dip: 60.435°
Grid Coordinate System: NAD27 New Mexico State Planes, Eastern Zone, US Feet	Declination Date: April 22, 2004
Location Lat/Long: N 32 24 16.122, W 104 27 46.949	Magnetic Declination Model: IGRF 2000
Location Grid N/E Y/X: N 510887.900 ftUS, E 459968.700 ftUS	North Reference: Grid North
Grid Convergence Angle: -0.06950967°	Total Corr Mag North -> Grid North: +9.099°
Grid Scale Factor: 0.99991093	Local Coordinates Referenced To: Well Head

30-015-33322

Comments	Survey Type (Markers)	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Tool Face (deg)
Tie-In	***	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-43.40M
	***	152.00	0.40	316.60	152.00	-0.10	0.39	-0.36	0.53	316.60	0.26	-162.40M
	***	350.00	0.30	197.60	350.00	-0.63	0.39	-1.00	1.07	291.56	0.31	141.00M
	***	398.00	0.30	141.00	398.00	-0.71	0.18	-0.96	0.97	280.45	0.59	93.20M
	***	428.00	0.50	93.20	428.00	-0.60	0.11	-0.77	0.78	277.92	1.24	79.00M
	***	459.00	0.80	79.00	458.99	-0.29	0.14	-0.43	0.45	288.32	1.09	77.00M
	***	489.00	1.00	77.00	488.99	0.16	0.24	0.03	0.24	7.86	0.67	72.60M
	***	519.00	1.10	72.60	518.98	0.68	0.39	0.56	0.68	55.61	0.43	70.70M
	***	550.00	1.40	70.70	549.98	1.34	0.60	1.20	1.35	63.54	0.98	70.60M
	***	580.00	1.60	70.60	579.97	2.10	0.86	1.95	2.13	66.16	0.67	66.90M
	***	611.00	1.80	66.90	610.95	3.01	1.19	2.80	3.05	66.91	0.74	67.70M
	***	641.00	1.80	67.70	640.94	3.93	1.56	3.67	3.99	67.00	0.08	64.10M
	***	671.00	2.00	64.10	670.92	4.92	1.97	4.58	4.98	66.76	0.78	63.00M
	***	702.00	2.20	63.00	701.90	6.05	2.47	5.59	6.12	66.16	0.66	60.50M
	***	733.00	2.50	60.50	732.88	7.32	3.08	6.71	7.38	65.39	1.02	57.20M
	***	764.00	2.90	57.20	763.84	8.78	3.83	7.96	8.84	64.29	1.38	56.90M
	***	794.00	3.20	56.90	793.80	10.37	4.70	9.30	10.42	63.18	1.00	57.90M
	***	825.00	3.60	57.90	824.74	12.21	5.69	10.85	12.25	62.32	1.30	57.10M
	***	856.00	4.00	57.10	855.68	14.26	6.80	12.58	14.30	61.63	1.30	57.50M
	***	886.00	4.40	57.50	885.59	16.46	7.98	14.43	16.49	61.05	1.34	56.90M
	***	917.00	4.80	56.90	916.49	18.95	9.33	16.52	18.97	60.55	1.30	58.80M
	***	948.00	5.10	58.80	947.38	21.62	10.75	18.79	21.64	60.22	1.10	18.41G
	***	979.00	5.70	60.80	978.24	24.54	12.22	21.31	24.56	60.17	2.03	3.14G
	***	1010.00	6.30	61.10	1009.07	27.77	13.79	24.14	27.80	60.26	1.94	4.67G
	***	1040.00	6.70	61.38	1038.88	31.16	15.42	27.12	31.20	60.37	1.34	-7.01G
	***	1070.00	7.30	60.80	1068.65	34.81	17.19	30.32	34.85	60.45	2.01	-3.83G
	***	1100.00	7.70	60.60	1098.40	38.72	19.11	33.73	38.77	60.47	1.34	-35.07G
	***	1130.00	8.00	59.10	1128.12	42.81	21.17	37.27	42.87	60.41	1.21	57.55G
	***	1160.00	8.10	60.20	1157.82	47.01	23.29	40.90	47.07	60.34	0.61	-35.99G
	***	1190.00	8.30	59.20	1187.51	51.29	25.45	44.59	51.34	60.29	0.82	-90.00G
	***	1220.00	8.30	58.60	1217.20	55.62	27.68	48.30	55.67	60.18	0.29	-48.36G
	***	1251.00	8.50	57.10	1247.87	60.15	30.09	52.14	60.20	60.00	0.96	-25.00G
	***	1280.00	8.90	55.90	1276.53	64.53	32.52	55.79	64.58	59.77	1.51	-51.61G
	***	1311.00	9.00	55.10	1307.16	69.35	35.25	59.77	69.39	59.47	0.52	60.52G
	***	1340.00	9.10	56.20	1335.80	73.91	37.82	63.53	73.94	59.23	0.69	90.00G
	***	1370.00	9.10	56.70	1365.42	78.65	40.44	67.49	78.68	59.07	0.26	-20.91G
	***	1400.00	9.40	56.00	1395.03	83.47	43.12	71.50	83.50	58.91	1.07	-3.21G
	***	1461.00	9.70	55.90	1455.18	93.59	48.78	79.89	93.60	58.59	0.49	4.91G
	***	1511.00	9.90	56.00	1504.45	102.10	53.55	86.94	102.11	58.37	0.40	90.00G
	***	1597.00	9.90	60.90	1589.17	116.87	61.28	99.53	116.88	58.38	0.98	-90.00G

Comments	Survey Type (Markers)	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Tool Face (deg)
	***	1630.00	9.90	60.70	1621.68	122.53	64.05	104.48	122.55	58.49	0.10	90.00G
	***	1659.00	9.90	61.20	1650.25	127.51	66.47	108.84	127.53	58.59	0.30	-6.73G
	***	1690.00	10.20	61.00	1680.78	132.91	69.08	113.57	132.93	58.69	0.97	-26.94G
	***	1721.00	10.60	59.90	1711.27	138.50	71.84	118.44	138.53	58.76	1.44	-2.21G
	***	1752.00	11.10	59.80	1741.71	144.33	74.77	123.49	144.36	58.80	1.61	-33.53G
	***	1784.00	11.40	58.80	1773.10	150.57	77.96	128.85	150.60	58.82	1.12	-43.74G
	***	1816.00	11.70	57.40	1804.45	156.98	81.35	134.29	157.01	58.79	1.28	-34.31G
	***	1847.00	12.20	55.80	1834.78	163.39	84.88	139.65	163.42	58.71	1.93	-44.23G
	***	1879.00	12.40	54.90	1866.04	170.21	88.76	145.26	170.23	58.57	0.87	-21.95G
	***	1909.00	12.90	54.00	1895.31	176.77	92.58	150.60	176.78	58.42	1.79	-27.12G
	***	1941.00	13.40	52.90	1926.47	184.03	96.92	156.45	184.04	58.22	1.75	-30.51G
	***	1973.00	13.60	52.40	1957.59	191.47	101.45	162.39	191.47	58.01	0.72	-33.80G
	***	2004.00	14.00	51.30	1987.70	198.82	106.02	168.20	198.82	57.78	1.54	-7.09G
	***	2034.00	14.40	51.10	2016.78	206.14	110.63	173.94	206.14	57.54	1.34	-19.08G
	***	2066.00	15.00	50.30	2047.73	214.20	115.77	180.22	214.20	57.28	1.98	-30.59G
	***	2098.00	15.50	49.20	2078.60	222.53	121.21	186.64	222.55	57.00	1.81	10.29G
	***	2128.00	15.80	49.40	2107.49	230.54	126.49	192.78	230.57	56.73	1.02	34.65G
	***	2159.00	16.00	49.90	2137.31	238.95	131.99	199.25	239.00	56.48	0.78	-20.54G
	***	2190.00	16.30	49.50	2167.08	247.49	137.56	205.83	247.57	56.24	1.03	-63.43G
	***	2221.00	16.40	48.80	2196.83	256.12	143.27	212.43	256.23	56.00	0.71	-90.00G
	***	2253.00	16.40	48.50	2227.53	265.05	149.24	219.21	265.19	55.75	0.26	66.57G
	***	2284.00	16.50	49.30	2257.26	273.73	155.01	225.83	273.91	55.53	0.80	82.43G
	***	2315.00	16.60	51.60	2286.97	282.49	160.63	232.63	282.70	55.38	2.14	63.22G
	***	2346.00	17.00	54.20	2316.65	291.41	166.03	239.78	291.65	55.30	2.75	-55.94G
	***	2378.00	17.10	53.70	2347.25	300.78	171.55	247.37	301.03	55.26	0.55	24.06G
	***	2409.00	17.30	54.00	2376.86	309.92	176.96	254.77	310.20	55.22	0.71	-16.65G
	***	2441.00	17.40	53.90	2407.40	319.45	182.58	262.48	319.74	55.18	0.33	0.00G
	***	2472.00	17.50	53.90	2436.98	328.72	188.06	269.99	329.03	55.14	0.32	56.68G
	***	2504.00	17.60	54.40	2467.49	338.35	193.71	277.82	338.68	55.11	0.57	67.98G
	***	2536.00	17.70	55.20	2497.98	348.05	199.30	285.74	348.38	55.11	0.82	169.94G
	***	2568.00	17.20	55.50	2528.51	357.63	204.76	293.64	357.98	55.11	1.59	127.81G
	***	2599.00	16.70	57.80	2558.16	366.67	209.72	301.18	367.01	55.15	2.70	-117.24G
	***	2632.00	16.50	56.40	2589.79	376.10	214.84	309.10	376.43	55.20	1.36	63.70G
	***	2663.00	16.60	57.10	2619.50	384.92	219.69	316.48	385.26	55.23	0.72	35.93G
	***	2694.00	16.80	57.60	2649.19	393.83	224.49	323.98	394.16	55.28	0.79	11.28G
	***	2726.00	17.40	58.00	2679.78	403.24	229.51	331.95	403.56	55.34	1.91	-2.24G
	***	2758.00	18.20	57.90	2710.25	413.02	234.70	340.24	413.33	55.40	2.50	30.10G
	***	2790.00	18.70	58.80	2740.60	423.15	240.01	348.86	423.45	55.47	1.80	25.94G
	***	2821.00	18.90	59.10	2769.95	433.14	245.16	357.42	433.42	55.55	0.72	154.60G
	***	2851.00	18.50	59.70	2798.37	442.75	250.06	365.70	443.02	55.64	1.48	-7.42G
	***	2882.00	19.00	59.50	2827.72	452.71	255.10	374.29	452.96	55.72	1.63	0.00G
	***	2913.00	19.60	59.50	2856.98	462.95	260.30	383.12	463.18	55.81	1.94	158.60G
	***	2945.00	19.10	60.10	2887.17	473.54	265.64	392.28	473.76	55.90	1.68	-173.29G
	***	2976.00	18.30	59.80	2916.53	483.48	270.61	400.89	483.67	55.98	2.60	-166.27G
	***	3008.00	17.80	59.40	2946.96	493.38	275.63	409.44	493.57	56.05	1.61	-24.89G
	***	3039.00	18.00	59.10	2976.46	502.91	280.50	417.63	503.08	56.11	0.71	8.88G
	***	3070.00	18.20	59.20	3005.92	512.54	285.44	425.89	512.70	56.17	0.65	-7.31G
	***	3101.00	18.70	59.00	3035.33	522.34	290.48	434.31	522.50	56.22	1.63	-33.15G
	***	3132.00	19.00	58.40	3064.67	532.36	295.68	442.87	532.51	56.27	1.15	-121.86G
	***	3164.00	18.90	57.90	3094.93	542.75	301.17	451.70	542.89	56.31	0.60	162.14G
	***	3195.00	18.80	58.00	3124.27	552.76	306.48	460.19	552.90	56.34	0.34	-152.18G
	***	3226.00	18.50	57.50	3153.64	562.68	311.77	468.57	562.81	56.36	1.10	-171.08G
	***	3258.00	18.30	57.40	3184.01	572.78	317.20	477.08	572.91	56.38	0.63	-174.12G
	***	3289.00	18.00	57.30	3213.46	582.43	322.41	485.22	582.57	56.40	0.97	173.14G
	***	3321.00	17.50	57.50	3243.94	592.19	327.67	493.43	592.32	56.41	1.57	153.81G
	***	3352.00	17.20	58.00	3273.53	601.43	332.60	501.25	601.56	56.43	1.08	36.87G
	***	3383.00	17.40	58.50	3303.13	610.65	337.45	509.09	610.78	56.46	0.80	-64.86G

Comments	Survey Type (Markers)	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Tool Face (deg)
	***	3414.00	17.50	57.80	3332.70	619.95	342.36	516.99	620.07	56.49	0.75	11.52G
	***	3446.00	17.80	58.00	3363.20	629.65	347.52	525.21	629.77	56.51	0.96	-110.00G
	***	3478.00	17.60	56.10	3393.68	639.38	352.81	533.37	639.50	56.52	1.91	-90.00G
	***	3508.00	17.60	54.40	3422.28	648.44	357.98	540.82	648.56	56.50	1.71	31.66G
	***	3540.00	17.90	55.00	3452.75	658.18	363.61	548.78	658.32	56.47	1.10	25.01G
	***	3571.00	18.10	55.30	3482.24	667.75	369.09	556.65	667.89	56.45	0.71	-22.85G
	***	3603.00	18.40	54.90	3512.63	677.77	374.82	564.87	677.91	56.43	1.02	148.06G
	***	3634.00	18.20	55.30	3542.06	687.49	380.39	572.85	687.64	56.41	0.76	-161.07G
	***	3666.00	17.50	54.50	3572.52	697.29	386.03	580.87	697.45	56.39	2.32	-170.05G
	***	3697.00	17.00	54.20	3602.12	706.46	391.39	588.34	706.63	56.37	1.64	131.08G
	***	3729.00	16.80	55.00	3632.74	715.75	396.77	595.93	715.93	56.34	0.96	45.83G
	***	3760.00	17.00	55.70	3662.40	724.76	401.90	603.34	724.94	56.33	0.92	-124.69G
	***	3792.00	16.90	55.20	3693.01	734.08	407.19	611.02	734.27	56.32	0.55	-90.00G
	***	3823.00	16.90	54.20	3722.67	743.08	412.40	618.38	743.28	56.30	0.94	90.00G
	***	3855.00	16.90	54.50	3753.29	752.37	417.82	625.94	752.58	56.28	0.27	173.18G
	***	3886.00	16.20	54.80	3783.01	761.19	422.93	633.14	761.40	56.26	2.27	-176.90G
	***	3918.00	15.70	54.70	3813.78	769.97	428.00	640.32	770.19	56.24	1.56	-98.68G
	***	3948.00	15.60	51.80	3842.66	778.04	432.84	646.80	778.27	56.21	2.63	137.25G
	***	3980.00	15.40	52.50	3873.50	786.55	438.09	653.56	786.80	56.17	0.86	67.06G
	***	4012.00	15.60	54.20	3904.34	795.08	443.19	660.42	795.34	56.14	1.55	39.50G
	***	4041.00	16.40	56.50	3932.21	803.06	447.73	666.99	803.33	56.13	3.52	30.29G
	***	4074.00	16.90	57.50	3963.83	812.52	452.88	674.92	812.79	56.14	1.75	30.67G
	***	4106.00	17.20	58.10	3994.42	821.90	457.88	682.86	822.17	56.16	1.09	-90.00G
	***	4138.00	17.20	56.80	4024.99	831.36	462.97	690.84	831.63	56.17	1.20	-120.12G
	***	4170.00	17.00	55.60	4055.58	840.77	468.21	698.66	841.03	56.17	1.27	-90.00G
	***	4201.00	17.00	53.90	4085.22	849.82	473.44	706.06	850.09	56.16	1.60	90.00G
	***	4233.00	17.00	54.00	4115.82	859.15	478.94	713.62	859.44	56.13	0.09	53.35G
	***	4264.00	17.20	54.90	4145.45	868.26	484.24	721.04	868.55	56.12	1.07	45.31G
	***	4295.00	17.50	55.90	4175.04	877.49	489.49	728.65	877.80	56.11	1.36	-8.64G
	***	4327.00	17.70	55.80	4205.55	887.16	494.92	736.66	887.47	56.10	0.63	-123.65G
	***	4359.00	17.60	55.30	4236.04	896.86	500.41	744.66	897.18	56.10	0.57	-7.09G
	***	4391.00	18.10	55.10	4266.50	906.66	506.01	752.71	906.98	56.09	1.57	-126.15G
	***	4423.00	17.90	54.20	4296.93	916.53	511.73	760.78	916.87	56.07	1.07	-143.24G
	***	4455.00	17.50	53.20	4327.42	926.24	517.49	768.62	926.59	56.05	1.57	90.00G
	***	4486.00	17.50	54.00	4356.98	935.54	523.02	776.12	935.90	56.02	0.78	-16.83G
	***	4517.00	17.60	53.90	4386.54	944.87	528.52	783.68	945.24	56.00	0.34	73.61G
	***	4549.00	17.80	56.00	4417.03	954.58	534.11	791.64	954.97	55.99	2.09	63.78G
	***	4579.00	18.10	57.90	4445.57	963.83	539.15	799.39	964.21	56.00	2.19	67.60G
	***	4611.00	18.30	59.40	4475.97	973.82	544.35	807.93	974.20	56.03	1.59	90.00G
	***	4643.00	18.30	60.50	4506.35	983.86	549.38	816.62	984.22	56.07	1.08	70.99G
	***	4674.00	18.40	61.40	4535.77	993.60	554.12	825.15	993.94	56.12	0.97	-114.74G
	***	4706.00	18.30	60.70	4566.14	1003.66	558.99	833.97	1003.98	56.17	0.76	90.00G
	***	4738.00	18.30	60.90	4596.53	1013.69	563.89	842.74	1014.00	56.21	0.20	-57.81G
	***	4769.00	18.40	60.40	4625.95	1023.44	568.68	851.25	1023.73	56.26	0.60	90.00G
	***	4801.00	18.40	60.60	4656.31	1033.52	573.65	860.04	1033.80	56.30	0.20	-105.40G
	***	4832.00	18.30	59.40	4685.74	1043.28	578.53	868.49	1043.54	56.33	1.26	-122.80G
	***	4864.00	18.20	58.90	4716.13	1053.29	583.67	877.09	1053.55	56.36	0.58	114.97G
	***	4896.00	18.10	59.60	4746.54	1063.26	588.77	885.66	1063.50	56.38	0.75	90.00G
	***	4928.00	18.10	59.90	4776.95	1073.19	593.77	894.25	1073.43	56.42	0.29	90.00G
	***	4959.00	18.10	60.80	4806.42	1082.81	598.54	902.62	1083.04	56.45	0.90	180.00G
	***	4992.00	18.00	60.80	4837.79	1093.02	603.53	911.54	1093.23	56.49	0.30	57.40G
	***	5023.00	18.10	61.30	4867.27	1102.61	608.18	919.95	1102.81	56.53	0.59	-90.00G
	***	5055.00	18.10	60.50	4897.68	1112.53	613.01	928.64	1112.72	56.57	0.78	57.54G
	***	5086.00	18.20	61.00	4927.14	1122.18	617.73	937.06	1122.35	56.61	0.60	-8.97G
	***	5118.00	18.40	60.90	4957.52	1132.21	622.61	945.84	1132.37	56.64	0.63	-52.15G
	***	5150.00	18.60	60.10	4987.87	1142.35	627.61	954.68	1142.50	56.68	1.01	-128.35G
	***	5182.00	18.50	59.70	5018.21	1152.52	632.71	963.49	1152.67	56.71	0.51	-103.38G

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	***	5214.00	18.40	58.30	5048.56	1162.64	637.93	972.17	1162.78	56.73	1.42	116.54G
	***	5246.00	18.10	60.30	5078.95	1172.66	643.05	980.78	1172.79	56.75	2.17	115.87G
	***	5278.00	17.80	62.40	5109.40	1182.50	647.78	989.44	1182.62	56.79	2.23	0.00G
	***	5309.00	17.80	62.40	5138.91	1191.94	652.17	997.83	1192.05	56.83	0.00	-39.80G
	***	5340.00	18.10	61.60	5168.40	1201.47	656.65	1006.27	1201.57	56.87	1.25	90.00G
	***	5372.00	18.10	61.80	5198.82	1211.38	661.36	1015.02	1211.48	56.91	0.19	163.10G
	***	5402.00	17.70	62.20	5227.37	1220.58	665.69	1023.16	1220.66	56.95	1.39	-158.29G
	***	5434.00	17.40	61.80	5257.88	1230.20	670.22	1031.68	1230.27	56.99	1.01	-90.00G
	***	5465.00	17.40	61.70	5287.46	1239.44	674.61	1039.85	1239.51	57.03	0.10	90.00G
	***	5497.00	17.40	62.60	5318.00	1248.98	679.08	1048.31	1249.04	57.07	0.84	50.64G
	***	5529.00	17.60	63.40	5348.51	1258.56	683.45	1056.88	1258.61	57.11	0.98	0.00G
	***	5561.00	18.10	63.40	5378.97	1268.32	687.84	1065.65	1268.36	57.16	1.56	-90.00G
	***	5593.00	18.10	62.60	5409.39	1278.22	692.35	1074.51	1278.25	57.20	0.78	-90.00G
	***	5625.00	18.10	61.50	5439.81	1288.13	697.01	1083.29	1288.16	57.24	1.07	-55.00G
	***	5657.00	18.30	60.60	5470.21	1298.11	701.85	1092.04	1298.13	57.27	1.08	-70.37G
	***	5689.00	18.50	58.90	5500.57	1308.20	706.94	1100.76	1308.22	57.29	1.79	-90.00G
	***	5721.00	18.50	58.00	5530.92	1318.35	712.25	1109.42	1318.37	57.30	0.89	175.56G
	***	5751.00	18.10	58.10	5559.40	1327.77	717.24	1117.41	1327.79	57.30	1.34	174.28G
	***	5782.00	17.50	58.30	5588.92	1337.25	722.23	1125.46	1337.27	57.31	1.95	-170.05G
	***	5814.00	17.00	58.00	5619.48	1346.74	727.24	1133.52	1346.76	57.32	1.59	-41.70G
	***	5845.00	17.20	57.40	5649.11	1355.85	732.11	1141.23	1355.87	57.32	0.86	-28.79G
	***	5876.00	17.70	56.50	5678.68	1365.15	737.18	1149.02	1365.17	57.32	1.83	31.63G
	***	5907.00	17.90	56.90	5708.19	1374.62	742.38	1156.94	1374.64	57.31	0.76	-42.90G
	***	5939.00	18.00	56.60	5738.64	1384.48	747.79	1165.19	1384.50	57.31	0.43	51.29G
	***	5971.00	18.10	57.00	5769.06	1394.40	753.22	1173.48	1394.42	57.30	0.50	70.80G
	***	6003.00	18.20	57.90	5799.47	1404.37	758.58	1181.89	1404.39	57.31	0.93	90.00G
	***	6035.00	18.20	59.00	5829.87	1414.36	763.81	1190.40	1414.38	57.31	1.07	-144.47G
	***	6067.00	17.90	58.30	5860.29	1424.27	768.97	1198.87	1424.29	57.32	1.16	-141.27G
	***	6098.00	17.60	57.50	5889.82	1433.72	773.99	1206.88	1433.74	57.33	1.25	-90.00G
	***	6129.00	17.60	56.80	5919.37	1443.10	779.08	1214.75	1443.11	57.33	0.68	90.00G
	***	6161.00	17.60	57.30	5949.87	1452.77	784.34	1222.87	1452.79	57.32	0.47	0.00G
	***	6191.00	17.80	57.30	5978.45	1461.89	789.27	1230.55	1461.91	57.32	0.67	-138.14G
	***	6221.00	17.50	56.40	6007.04	1470.99	794.24	1238.16	1471.01	57.32	1.35	149.14G
	***	6253.00	17.40	56.60	6037.57	1480.58	799.54	1246.16	1480.60	57.32	0.36	-138.55G
	***	6285.00	17.20	56.00	6068.12	1490.09	804.82	1254.08	1490.12	57.31	0.84	16.66G
	***	6315.00	17.40	56.20	6096.76	1499.01	809.79	1261.49	1499.04	57.30	0.70	80.95G
	***	6376.00	17.50	58.10	6154.95	1517.30	819.71	1276.85	1517.33	57.30	0.95	163.63G
	***	6439.00	17.10	58.50	6215.10	1536.04	829.56	1292.79	1536.06	57.31	0.66	-124.85G
	***	6501.00	16.90	57.50	6274.39	1554.16	839.16	1308.16	1554.18	57.32	0.57	-90.00G
	***	6565.00	16.90	56.00	6335.63	1572.76	849.36	1323.72	1572.78	57.31	0.68	-3.52G
	***	6628.00	17.90	55.80	6395.75	1591.59	859.92	1339.32	1591.62	57.30	1.59	137.76G
	***	6692.00	17.70	56.40	6456.68	1611.15	870.84	1355.56	1611.18	57.28	0.42	59.78G
	***	6755.00	17.90	57.50	6516.67	1630.41	881.34	1371.70	1630.44	57.28	0.62	61.88G
	***	6818.00	18.00	58.10	6576.60	1649.82	891.68	1388.13	1649.85	57.28	0.33	-112.46G
	***	6881.00	17.90	57.30	6636.53	1669.24	902.06	1404.54	1669.27	57.29	0.42	171.45G
	***	6943.00	17.50	57.50	6695.60	1688.09	912.22	1420.42	1688.12	57.29	0.65	-90.00G
	***	7005.00	17.50	56.80	6754.73	1706.73	922.33	1436.08	1706.76	57.29	0.34	180.00G
	***	7068.00	17.10	56.80	6814.88	1725.46	932.59	1451.76	1725.49	57.28	0.63	8.55G
	***	7132.00	17.50	57.00	6875.98	1744.49	942.98	1467.70	1744.52	57.28	0.63	124.25G
	***	7195.00	17.30	58.00	6936.10	1763.33	953.10	1483.59	1763.36	57.28	0.57	175.65G
	***	7258.00	16.20	58.30	6996.43	1781.49	962.68	1499.01	1781.52	57.29	1.75	45.84G
	***	7321.00	16.80	60.40	7056.83	1799.37	971.80	1514.41	1799.40	57.31	1.34	46.83G
	***	7384.00	17.40	62.50	7117.05	1817.85	980.65	1530.68	1817.87	57.35	1.37	-156.89G
	***	7447.00	16.60	61.30	7177.30	1836.22	989.32	1546.93	1836.23	57.40	1.39	-117.37G
	***	7511.00	16.40	59.90	7238.66	1854.37	998.24	1562.76	1854.38	57.43	0.70	-2.12G
	***	7574.00	17.20	59.80	7298.97	1872.56	1007.39	1578.51	1872.57	57.45	1.27	-61.66G

Comments	Survey Type (Markers)	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Tool Face (deg)
	***	7637.00	17.50	58.00	7359.11	1891.34	1017.09	1594.59	1891.35	57.47	0.98	-167.22G
	***	7699.00	16.50	57.20	7418.40	1909.47	1026.80	1609.90	1909.48	57.47	1.66	-39.11G
	***	7762.00	17.20	55.30	7478.69	1927.72	1036.95	1625.08	1927.73	57.46	1.41	-17.02G
	***	7824.00	17.80	54.70	7537.82	1946.35	1047.64	1640.35	1946.36	57.43	1.01	-90.00G
	***	7887.00	17.80	54.60	7597.81	1965.58	1058.79	1656.06	1965.59	57.41	0.05	-132.12G
	***	7950.00	17.40	53.10	7657.86	1984.59	1070.02	1671.44	1984.60	57.37	0.96	179.24G
	***	7982.00	15.40	53.20	7688.55	1993.59	1075.44	1678.67	1993.61	57.35	6.25	177.35G
	***	8014.00	13.40	53.60	7719.55	2001.53	1080.19	1685.06	2001.55	57.34	6.26	149.35G
	***	8046.00	12.40	56.40	7750.74	2008.66	1084.29	1690.90	2008.69	57.33	3.68	131.75G
	***	8078.00	11.80	59.80	7782.03	2015.37	1087.83	1696.59	2015.39	57.33	2.91	134.08G
	***	8109.00	11.30	62.50	7812.40	2021.56	1090.83	1702.03	2021.58	57.34	2.37	-135.96G
	***	8141.00	11.20	62.00	7843.78	2027.78	1093.74	1707.55	2027.80	57.36	0.44	-34.79G
	***	8172.00	11.40	61.30	7874.18	2033.84	1096.62	1712.90	2033.86	57.37	0.78	-2.71G
	***	8204.00	12.30	61.10	7905.50	2040.40	1099.79	1718.65	2040.42	57.38	2.82	68.75G
	***	8267.00	12.60	64.40	7967.02	2053.92	1106.00	1730.73	2053.94	57.42	1.23	74.87G
Single Shot at TD	***	8607.00	13.00	70.00	8298.58	2128.10	1135.11	1800.11	2128.11	57.77	0.38	0.00G
Projected TD	***	8677.00	13.00	70.00	8366.79	2143.48	1140.49	1814.91	2143.50	57.85	0.00	0.00G