

Results of Directional Survey

30-025-30553

NEARBURG PRODUCING
GUERNSEY 15 # 1

	MD	N/S	E/W	VD
	NA	0.00	0.00	NA
TOP PERFS/OH	NA	NA	NA	NA
	NA	0.00	0.00	NA
	NA	0.00	0.00	NA
BOT PERFS/OH	NA	NA	NA	NA
	NA	0.00	0.00	NA

NEXT TO LAST	11507	1226.65	-96.64	11282.37
LAST READING	11898	1308.47	-138.50	11664.76
TD	11921	1313.28	-140.96	11687.25

Surface Location	710	FN	570	FE
Projected BHL	603	FS	711	FE
Location of				
Top Perfs/OH	NA	NA	NA	NA
Bottom Perfs/OH	NA	NA	NA	NA

SUMMARY of Subsurface Locations

Surface Location	A-22-17S-37E	710	FN	570	FE	Vert. Depth
Top Perfs/OH	na	NA	NA	NA	NA	NA
Bottom Perfs/OH	na	NA	NA	NA	NA	NA
Projected TD	P-15-17S-37E	603	FS	711	FE	11687.25

INTREPID

Directional Drilling Specialists, Ltd.

Report Date: 27-May-03 Client: Nearburg Producing Company Field: Lea County Structure / Slot: Guernsey 15 #1-Y / Guernsey 15 #1-Y Well: Guernsey 15 #1-Y Borehole: Guernsey 15 #1-Y UWI/API#: Survey Name / Date: Gurnsey_sur / May 27, 2003 Tort / AHD / DDI / ERD ratio: 88.563° / 1399.49 ft / 5.102 / 0.120 Grid Coordinate System: NAD27 New Mexico State Planes, Eastern Zone, US Feet Location Lat/Long: N 32 49 31.610, W 103 13 55.490 Location Grid N/E Y/X: N 665771.312 ftUS, E 838297.548 ftUS Grid Convergence Angle: +0.59702140° Grid Scale Factor: 1.00004015	Survey / DLS Computation Method: Minimum Curvature / Lubinski Vertical Section Azimuth: 355.780° Vertical Section Origin: N 0.000 ft, E 0.000 ft TVD Reference Datum: RKB TVD Reference Elevation: 0.0 ft relative to Sea Bed / Ground Level Elevation: 0.000 ft relative to Magnetic Declination: 8.595° Total Field Strength: 50029.321 nT Magnetic Dip: 61.078° Declination Date: 27-May-03 Magnetic Declination Model: IGRF 2000 North Reference: Grid North Total Corr Mag North -> Grid North: +7.998° Local Coordinates Referenced To: Well Head
---	---

Comments	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)
	9301.00	19.60	359.60	9215.66	461.96	458.75	-60.45	462.72	352.49	1.13	2.50G
	9364.00	20.40	359.70	9274.86	483.45	480.30	-60.58	484.10	352.81	1.27	6.81G
	9428.00	21.00	359.90	9334.73	506.02	502.92	-60.66	506.56	353.12	0.94	-27.82G
	9491.00	22.00	358.50	9393.35	529.07	526.01	-60.99	529.53	353.39	1.78	-20.80G
	9554.00	22.30	358.20	9451.70	552.80	549.75	-61.67	553.20	353.60	0.51	169.35G
	9617.00	22.10	358.30	9510.03	576.58	573.54	-62.40	576.93	353.79	0.32	-159.91G
	9681.00	21.50	357.70	9569.45	600.33	597.29	-63.22	600.63	353.96	1.00	-153.98G
	9744.00	20.30	356.00	9628.30	622.79	619.73	-64.45	623.07	354.06	2.13	146.33G
	9806.00	19.00	358.70	9686.69	643.63	640.55	-65.43	643.89	354.17	2.56	53.55G
	9870.00	20.00	2.50	9747.02	664.91	661.90	-65.19	665.11	354.38	2.52	0.00G
	9933.00	21.30	2.50	9805.97	686.97	684.10	-64.22	687.11	354.64	2.06	119.12G
	9995.00	21.20	3.00	9863.76	709.28	706.54	-63.14	709.36	354.89	0.33	-165.37G
	10056.00	20.40	2.40	9920.78	730.78	728.18	-62.12	730.83	355.12	1.36	156.63G
	10119.00	19.70	3.30	9979.96	752.21	749.75	-61.05	752.23	355.35	1.21	-22.08G
	10182.00	20.30	2.60	10039.16	773.59	771.27	-59.94	773.60	355.56	1.03	-90.00G
	10245.00	20.30	358.10	10098.26	795.36	793.11	-59.81	795.36	355.69	2.48	-119.98G
	10308.00	19.90	356.00	10157.42	817.00	814.73	-60.92	817.01	355.72	1.31	-171.67G
	10371.00	18.80	355.50	10216.86	837.88	835.55	-62.46	837.88	355.72	1.77	139.92G
	10434.00	18.50	356.30	10276.55	858.02	855.64	-63.90	858.03	355.73	0.63	17.22G
	10497.00	19.70	357.40	10336.08	878.63	876.22	-65.03	878.63	355.76	1.99	-3.95G
	10560.00	20.20	357.30	10395.30	900.12	897.70	-66.02	900.12	355.79	0.80	-134.62G
	10623.00	19.90	356.40	10454.48	921.72	919.26	-67.21	921.72	355.82	0.68	-177.31G
	10686.00	19.20	356.30	10513.85	942.80	940.30	-68.55	942.80	355.83	1.11	10.69G
	10749.00	20.50	357.00	10573.11	964.19	961.66	-69.80	964.19	355.85	2.10	25.71G
	10812.00	21.10	357.80	10632.00	986.55	984.00	-70.81	986.55	355.88	1.05	-131.38G
	10876.00	20.70	356.50	10691.79	1009.37	1006.81	-71.94	1009.37	355.91	0.96	-49.60G
	10939.00	21.20	354.90	10750.63	1031.89	1029.27	-73.64	1031.90	355.91	1.21	-101.34G
	11002.00	21.00	351.70	10809.40	1054.55	1051.78	-76.28	1054.55	355.85	1.86	-58.94G
	11065.00	21.50	349.50	10868.12	1077.28	1074.31	-80.01	1077.28	355.74	1.49	-54.73G
	11128.00	22.10	347.30	10926.62	1100.48	1097.22	-84.72	1100.49	355.58	1.61	124.27G
	11192.00	21.10	351.60	10986.12	1123.88	1120.36	-89.05	1123.90	355.46	2.92	126.26G
	11255.00	20.50	354.00	11045.02	1146.21	1142.55	-91.86	1146.24	355.40	1.65	125.77G
	11318.00	19.60	357.90	11104.20	1167.80	1164.08	-93.40	1167.83	355.41	2.56	-147.42G
	11381.00	18.80	356.30	11163.70	1188.51	1184.77	-94.44	1188.53	355.44	1.52	-64.78G
	11444.00	19.90	350.10	11223.15	1209.34	1205.47	-96.94	1209.36	355.40	3.70	126.55G
	11476.00	19.80	350.50	11253.24	1220.15	1216.18	-98.77	1220.19	355.36	0.53	43.76G
Last Survey	11507.00	20.20	351.60	11282.37	1230.72	1226.65	-100.42	1230.76	355.32	1.77	-153.28G
Single Shot	11898.00	9.00	294.00	11661.76	1313.12	1306.47	-138.50	1313.79	353.95	4.37	0.00G

