

A Gyrodatta Directional Survey

MANZANO OIL CORP.

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WELL: HOLE "N" ONE #1

Location: W.E.K. #4\LEA COUNTY, NEW MEXICO

Job Number: H1097GME659

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	VERTICAL DEPTH feet	H O R I Z O N T A L C O O R D I N A T E S feet	DOGLEG SEVERITY deg. / 100 ft.
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0.0	0.00	0.00	0.0	0.00 N	0.00 E	0.00
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MULTISHOT SURVEY THRU DRILLPIPE 0-9074

ALL MEASURED DEPTHS AND COORADINATES REFERENCED TO W.E.K. #4 R.K.B.

100.0	.19	40.91	100.0	.13 N	.11 E	.19
200.0	.90	30.34	200.0	.93 N	.62 E	.71
300.0	1.02	33.70	300.0	2.36 N	1.51 E	.14
400.0	1.01	29.93	400.0	3.86 N	2.45 E	.07
500.0	.82	13.90	500.0	5.32 N	3.06 E	.32
600.0	.64	356.57	599.9	6.57 N	3.20 E	.28
700.0	.70	354.11	699.9	7.74 N	3.10 E	.07
800.0	.75	356.80	799.9	9.00 N	3.00 E	.06
900.0	.82	357.36	899.9	10.37 N	2.93 E	.08
1000.0	.80	356.27	999.9	11.78 N	2.85 E	.03
1100.0	.81	350.74	1099.9	13.17 N	2.69 E	.08
1200.0	.90	346.18	1199.9	14.64 N	2.39 E	.11
1300.0	1.85	.45	1299.9	17.02 N	2.22 E	1.00
1400.0	2.45	10.21	1399.8	20.74 N	2.61 E	.70
1500.0	2.72	22.77	1499.7	25.03 N	3.90 E	.62
1600.0	2.44	26.27	1599.6	29.10 N	5.83 E	.37
1700.0	2.38	32.02	1699.5	32.73 N	7.94 E	.17
1800.0	2.25	39.99	1799.4	35.99 N	10.30 E	.34
1900.0	2.00	47.80	1899.3	38.67 N	12.86 E	.38
2000.0	2.05	55.71	1999.3	40.85 N	15.63 E	.28
2100.0	1.88	83.13	2099.2	42.05 N	18.73 E	.94
2200.0	1.34	88.38	2199.2	42.28 N	21.52 E	.56
2300.0	1.23	93.40	2299.2	42.25 N	23.76 E	.15
2400.0	1.21	95.51	2399.1	42.08 N	25.88 E	.05
2500.0	1.18	90.70	2499.1	41.97 N	27.96 E	.10
2600.0	1.14	92.80	2599.1	41.91 N	29.98 E	.05
2700.0	1.17	93.59	2699.1	41.80 N	31.99 E	.03
2800.0	1.29	87.86	2799.1	41.77 N	34.13 E	.17
2900.0	1.13	77.87	2899.0	42.02 N	36.21 E	.26
3000.0	.98	68.86	2999.0	42.54 N	37.97 E	.22
3100.0	1.18	72.28	3099.0	43.16 N	39.75 E	.21
3200.0	1.15	77.77	3199.0	43.69 N	41.71 E	.12
3300.0	1.04	64.22	3299.0	44.29 N	43.52 E	.28
3400.0	1.14	64.42	3398.9	45.12 N	45.24 E	.10
3500.0	1.22	49.86	3498.9	46.24 N	46.95 E	.31
3600.0	1.32	43.22	3598.9	47.76 N	48.55 E	.18
3700.0	1.31	38.48	3698.9	49.50 N	50.05 E	.11