

A Gyrodata Directional Survey

for

MEWBOURNE OIL

Location: PATTERSON #47, EDDY COUNTY, NEW MEXICO
Lease: CROW FLATS 28 FED COM Well: #2H, 4-1/2" DRILLPIPE

Job Number: MD0510GVCW210

Run Date: 5/8/2010 1:45:45 PM

Surveyor: AJ Eaton

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 32.896160 deg. N Longitude: 104.169190 deg. W

Azimuth Correction:

Gyro: -0.09000 deg to Grid North

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

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MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. feet	AZIMUTH deg.	HORIZONTAL COORDINATES feet
0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.00 N 0.00 E
0 TO 5908 FT. RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 4-1/2" DRILLPIPE ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO PATTERSON #47 R.K.B. (+ 13 FT.)							
100.00	0.63	359.21	0.63	100.00	0.5	359.2	0.55 N 0.01 W
200.00	0.65	19.61	0.23	199.99	1.6	6.1	1.63 N 0.17 E
300.00	0.47	47.85	0.32	299.99	2.5	15.3	2.43 N 0.67 E
400.00	0.43	51.55	0.05	399.98	3.2	23.2	2.94 N 1.26 E
500.00	0.40	61.77	0.08	499.98	3.8	29.2	3.34 N 1.86 E
600.00	0.39	58.35	0.03	599.98	4.4	33.7	3.68 N 2.46 E
700.00	0.50	70.49	0.14	699.98	5.1	38.2	4.00 N 3.15 E
800.00	0.32	55.40	0.20	799.97	5.7	41.4	4.31 N 3.79 E
900.00	0.45	58.71	0.13	899.97	6.4	43.0	4.67 N 4.36 E
1000.00	0.39	76.55	0.14	999.97	7.1	45.4	4.95 N 5.02 E
1100.00	0.43	55.02	0.16	1099.97	7.7	47.2	5.24 N 5.66 E
1200.00	0.33	32.07	0.18	1199.96	8.4	47.0	5.70 N 6.12 E
1300.00	0.38	40.95	0.07	1299.96	9.0	46.3	6.20 N 6.49 E
1400.00	0.46	0.23	0.30	1399.96	9.6	44.4	6.85 N 6.71 E
1500.00	0.28	251.86	0.60	1499.96	9.7	42.1	7.17 N 6.48 E
1600.00	0.30	20.66	0.51	1599.96	9.7	40.8	7.34 N 6.34 E
1700.00	0.29	316.11	0.31	1699.96	10.0	38.9	7.76 N 6.26 E
1800.00	0.42	344.04	0.21	1799.96	10.2	35.8	8.29 N 5.98 E
1900.00	0.45	321.92	0.17	1899.95	10.6	32.2	8.95 N 5.64 E

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2000.00	0.55	322.78	0.10	1999.95	10.9 27.9	9.64 N 5.11 E
2100.00	0.49	344.25	0.20	2099.94	11.4 24.3	10.43 N 4.70 E
2200.00	0.54	334.77	0.10	2199.94	12.1 21.3	11.27 N 4.39 E
2300.00	0.53	324.09	0.10	2299.94	12.7 18.0	12.07 N 3.92 E
2400.00	0.48	330.01	0.07	2399.93	13.3 15.0	12.81 N 3.44 E
2500.00	0.54	325.32	0.07	2499.93	13.9 12.3	13.56 N 2.96 E
2600.00	0.46	317.53	0.10	2599.92	14.4 9.6	14.24 N 2.42 E
2700.00	0.43	330.36	0.10	2699.92	15.0 7.5	14.86 N 1.96 E
2800.00	0.54	338.67	0.13	2799.92	15.7 5.9	15.62 N 1.61 E
2900.00	0.51	324.75	0.13	2899.91	16.5 4.1	16.43 N 1.18 E
3000.00	0.50	315.39	0.08	2999.91	17.1 2.1	17.10 N 0.61 E
3100.00	0.52	315.04	0.01	3099.91	17.7 360.0	17.73 N 0.01 W
3200.00	0.56	321.63	0.08	3199.90	18.4 358.0	18.43 N 0.63 W
3300.00	0.60	323.37	0.05	3299.90	19.3 356.3	19.24 N 1.25 W
3400.00	0.41	325.53	0.20	3399.89	20.0 354.9	19.95 N 1.76 W
3500.00	0.46	325.84	0.05	3499.89	20.7 353.9	20.57 N 2.19 W
3600.00	0.47	307.21	0.15	3599.89	21.3 352.6	21.15 N 2.74 W
3700.00	0.53	303.24	0.06	3699.88	21.9 350.9	21.66 N 3.45 W
3800.00	0.49	325.44	0.20	3799.88	22.6 349.6	22.26 N 4.08 W
3900.00	0.47	299.36	0.22	3899.88	23.3 348.4	22.81 N 4.68 W
4000.00	0.65	312.99	0.23	3999.87	24.0 346.9	23.40 N 5.45 W
4100.00	0.54	309.65	0.12	4099.87	24.9 345.5	24.09 N 6.23 W
4200.00	0.62	302.38	0.11	4199.86	25.7 344.1	24.67 N 7.04 W

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4300.00	0.55	266.68	0.36	4299.86	26.2 342.3	24.94 N 7.98 W
4400.00	0.39	269.79	0.16	4399.85	26.4 340.6	24.91 N 8.79 W
4500.00	0.49	242.33	0.23	4499.85	26.5 338.9	24.71 N 9.51 W
4600.00	0.41	221.90	0.18	4599.85	26.3 337.3	24.24 N 10.13 W
4700.00	0.36	201.09	0.15	4699.84	25.9 336.1	23.68 N 10.49 W
4800.00	0.45	196.36	0.09	4799.84	25.4 335.0	23.01 N 10.71 W
4900.00	0.38	177.77	0.15	4899.84	24.8 334.1	22.29 N 10.81 W
5000.00	0.48	273.85	0.65	4999.84	24.7 333.0	21.99 N 11.21 W
5100.00	0.22	238.64	0.33	5099.83	24.9 331.7	21.92 N 11.80 W
5200.00	0.35	181.47	0.29	5199.83	24.6 330.9	21.51 N 11.97 W
5300.00	0.47	172.97	0.14	5299.83	24.0 330.2	20.80 N 11.93 W
5400.00	0.91	148.04	0.53	5399.82	22.8 329.8	19.71 N 11.45 W
5500.00	1.14	173.32	0.50	5499.81	21.1 328.8	18.05 N 10.92 W
5600.00	1.01	176.31	0.14	5599.79	19.4 326.4	16.18 N 10.74 W
5700.00	0.98	163.62	0.22	5699.78	17.9 324.2	14.48 N 10.45 W
5800.00	1.09	155.73	0.18	5799.76	16.1 322.5	12.80 N 9.81 W
5900.00	1.35	131.40	0.57	5899.74	14.0 322.6	11.15 N 8.54 W
5908.00	1.27	121.39	3.01	5907.74	13.9 322.8	11.04 N 8.40 W

Final Station Closure: Distance: 13.87 ft Az: 322.76 deg.