

M.W.J. PRODUCING CO.
BAUM STATE #F-2
LEA COUNTY, NEW MEXICO
SW 1/4 OF SEC. 5, 14S, 33E
DATE OF REPORT: 04-27-89

DATADRIL

GYRO & MAGNETIC MULTISHOTS
DECLINATION= 10 DEGREES EASTERLY
NORTON #8
JOHN WILLY- GYRO
GARRY HENDRIX- MAGNETIC

File Name: 1166B9005A

*** RECORD OF SURVEY ***
Calculated by DATADRIL's CADDS System

Radius of Curvature Method
All Angles are Decimal
Vertical Section Plane: S 30.96 E

TYPE OF SURVEY	MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TOTAL VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)	VERTICAL SECTION (FT)	DORLEG SEVERITY (DEG/100')
GMS	0.00	0.00	N 0.00 E	0.00	0.00	0.00 N 0.00 E	0.00	0.00
GMS	100.00	.25	S 30.00 W	100.00	100.00	.19 S .11 W	.11	.25
GMS	200.00	.25	S 19.00 W	100.00	200.00	.59 S .29 W	.35	.05
GMS	300.00	.25	S 34.00 W	100.00	300.00	.97 S .48 W	.59	.07
GMS	400.00	.25	N 75.00 E	100.00	400.00	1.24 S .29 W	.92	.47
GMS	500.00	.25	N 68.00 E	100.00	500.00	1.10 S .13 E	1.01	.02
GMS	600.00	.50	S 24.00 E	100.00	599.99	1.32 S .68 E	1.48	.55
GMS	700.00	.50	N 88.00 E	100.00	699.99	1.76 S 1.37 E	2.21	.56
GMS	800.00	.50	S 79.00 E	100.00	799.99	1.82 S 2.24 E	2.72	.11
GMS	900.00	.50	S 84.00 E	100.00	899.98	1.95 S 3.10 E	3.27	.04
GMS	1000.00	.50	S 23.00 E	100.00	999.98	2.45 S 3.77 E	4.04	.51
GMS	1100.00	.50	S 65.00 E	100.00	1099.97	3.06 S 4.36 E	4.87	.36
GMS	1200.00	1.25	N 84.00 E	100.00	1199.96	3.31 S 5.85 E	5.85	.86
GMS	1300.00	1.00	N 67.00 E	100.00	1299.94	2.82 S 7.75 E	6.40	.41
GMS	1400.00	1.00	N 80.00 E	100.00	1399.93	2.33 S 9.42 E	6.84	.23
GMS	1500.00	1.00	N 67.00 E	100.00	1499.91	1.83 S 11.09 E	7.27	.23
GMS	1600.00	1.00	N 64.00 E	100.00	1599.90	1.11 S 12.67 E	7.47	.05
GMS	1700.00	1.00	N 82.00 E	100.00	1699.88	.60 S 14.34 E	7.89	.31
GMS	1800.00	.75	N 62.00 E	100.00	1799.87	.13 S 15.78 E	8.23	.39
GMS	1900.00	1.00	N 75.00 E	100.00	1899.86	.39 N 17.21 E	8.52	.35
GMS	2000.00	.75	N 74.00 E	100.00	1999.85	.76 N 18.69 E	8.96	.26

MAGNETIC MULTISHOT TO FOLLOW SII GYRO

MAGNETIC MULTISHOT TO FOLLOW SII GYRO

MAGNETIC MULTISHOT TO FOLLOW SII GYRO

M.W.J. PRODUCING CO.
BAUM STATE #F-2

DATADRIL

LEA COUNTY, NEW MEXICO
SW 1/4 OF SEC. 5, 14S, 33E

TYPE OF SURVEY	MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TOTAL VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)	VERTICAL SECTION (FT)	DORLEG SEVERITY (DEG/100')
GMS	2100.00	.75	N 83.00 E	100.00	2099.84	1.02 N 19.97 E	9.40	.12
GMS	2200.00	.75	S 87.00 E	100.00	2199.33	1.07 N 21.28 E	10.03	.13
GMS	2300.00	.75	N 76.00 E	100.00	2299.82	1.19 N 22.58 E	10.59	.22
GMS	2400.00	.75	S 64.00 E	100.00	2399.81	1.06 N 23.85 E	11.37	.51
GMS	2500.00	1.00	N 86.00 E	100.00	2499.80	.77 N 25.34 E	12.37	.51
GMS	2600.00	1.00	S 73.00 E	100.00	2599.79	.57 N 27.06 E	13.43	.36
GMS	2700.00	.75	S 68.00 E	100.00	2699.77	.06 N 28.50 E	14.61	.26
GMS	2800.00	.50	S 37.00 E	100.00	2799.77	.25 S 29.54 E	15.41	.28
GMS	2900.00	.50	S 79.00 E	100.00	2899.76	.41 S 30.40 E	15.99	0.00
GMS	3000.00	.75	N 66.00 E	100.00	2999.76	.29 S 31.47 E	16.44	.45
GMS	3100.00	.25	S 37.00 E	100.00	3099.75	.49 S 32.25 E	17.01	.74
GMS	3200.00	.25	N 80.00 E	100.00	3199.75	.65 S 32.64 E	17.34	.26
GMS	3300.00	.50	N 86.00 E	100.00	3299.75	.57 S 33.29 E	17.61	.25
GMS	3400.00	.50	S 84.00 E	100.00	3399.75	.58 S 34.16 E	18.07	.09
GMS	3500.00	.50	N 66.00 E	100.00	3499.74	.45 S 35.01 E	18.39	.26
GMS	3600.00	.50	N 76.00 E	100.00	3599.74	.16 S 35.83 E	18.57	.09
GMS	3700.00	.25	S 61.00 E	100.00	3699.74	.25 S 36.47 E	18.97	.36
GMS	3800.00	.25	N 81.00 E	100.00	3799.74	.32 S 36.89 E	19.25	.16
GMS	3900.00	.25	N 51.00 E	100.00	3899.74	.14 S 37.28 E	19.30	.13
GMS	4000.00	.25	N 66.00 E	100.00	3999.73	.08 N 37.65 E	19.30	.07
GMS	4100.00	.25	S 27.00 E	100.00	4099.73	.05 S 38.03 E	19.60	.34
GMS	4200.00	.25	S 65.00 E	100.00	4199.73	.35 S 38.33 E	20.02	.16
GMS	4300.00	.50	S 63.00 E	100.00	4299.73	.63 S 38.92 E	20.57	.25

MAGNETIC MULTISHOT TO FOLLOW SII GYRO

MMS	4320.00	.75	S 48.00 E	20.00	4319.73	.76 S 39.10 E	20.77	1.48
MMS	4414.00	1.00	S 32.00 E	94.00	4413.72	1.85 S 40.02 E	22.18	.37
MMS	4508.00	2.00	S 26.00 E	94.00	4507.68	4.00 S 41.21 E	24.64	1.08
MMS	4602.00	5.25	S 25.00 E	94.00	4601.48	9.37 S 43.77 E	30.55	3.46
MMS	4696.00	6.00	S 27.00 E	94.00	4695.03	17.65 S 47.81 E	39.73	.82
MMS	4790.00	7.00	S 32.00 E	94.00	4788.42	26.91 S 53.05 E	50.36	1.22
MMS	4884.00	8.25	S 34.00 E	94.00	4881.59	37.37 S 59.84 E	62.83	1.36

M.W.J. PRODUCING CO.
BAUM STATE #F-2

DATADRIL

LEA COUNTY, NEW MEXICO
SW 1/4 OF SEC. 5, 14S, 33E

TYPE OF SURVEY	MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TOTAL VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)	VERTICAL SECTION (FT)	DORLEG SEVERITY (DEG/100')
MMS	4978.00	8.50	S 35.00 E	94.00	4974.59	48.65 S 67.60 E	76.49	.31
MMS	5072.00	10.00	S 37.00 E	94.00	5067.36	60.87 S 76.48 E	91.54	1.63
MMS	5166.00	11.00	S 40.00 E	94.00	5159.79	74.28 S 87.14 E	108.52	1.21
MMS	5260.00	11.50	S 40.00 E	94.00	5251.98	88.33 S 98.93 E	126.63	.53
MMS	5354.00	11.50	S 43.00 E	94.00	5344.10	102.38 S 111.34 E	145.06	.64
MMS	5448.00	11.00	S 35.00 E	94.00	5436.29	116.60 S 122.88 E	163.20	1.74
MMS	5542.00	11.00	S 23.00 E	94.00	5528.56	132.26 S 131.56 E	181.09	2.43
MMS	5636.00	12.75	S 18.00 E	94.00	5620.55	150.37 S 138.33 E	200.11	2.16
MMS	5730.00	14.00	S 18.00 E	94.00	5712.00	171.05 S 145.05 E	221.30	1.33
MMS	5824.00	14.50	S 19.00 E	94.00	5803.10	192.99 S 152.39 E	243.89	.59
MMS	5918.00	15.50	S 21.00 E	94.00	5893.90	215.85 S 160.71 E	267.77	1.20
MMS	6012.00	16.50	S 21.00 E	94.00	5984.26	240.04 S 169.99 E	293.29	1.06
MMS	6106.00	17.50	S 23.00 E	94.00	6074.15	265.52 S 180.29 E	320.44	1.23
MMS	6200.00	18.00	S 24.00 E	94.00	6163.67	291.80 S 191.72 E	348.85	.62
MMS	6294.00	18.50	S 26.00 E	94.00	6252.94	318.48 S 204.16 E	378.13	.85
MMS	6388.00	19.50	S 28.00 E	94.00	6341.82	345.75 S 216.05 E	408.66	1.27
MMS	6482.00	21.00	S 29.00 E	94.00	6420.01	374.34 S 233.57 E	441.16	1.64
MMS	6576.00	21.00	S 30.00 E	94.00	6517.77	403.66 S 250.16 E	474.84	.38
MMS	6670.00	20.25	S 30.00 E	94.00	6605.74	432.33 S 266.72 E	507.94	.80
MMS	6764.00	20.00	S 30.00 E	94.00	6694.00	460.34 S 282.89 E	540.28	.27
MMS	6858.00	20.00	S 30.00 E	94.00	6782.33	488.18 S 298.96 E	572.43	0.00
MMS	6952.00	19.50	S 29.00 E	94.00	6870.80	515.83 S 314.60 E	604.18	.64
MMS	7046.00	18.50	S 28.00 E	94.00	6959.68	542.72 S 329.21 E	634.76	1.12
MMS	7140.00	18.00	S 27.00 E	94.00	7048.95	568.83 S 342.80 E	664.14	.63
MMS	7234.00	18.00	S 25.00 E	94.00	7138.35	594.94 S 355.53 E	693.08	.66
MMS	7328.00	18.25	S 25.00 E	94.00	7227.69	621.44 S 367.89 E	722.16	.27
MMS	7422.00	18.75	S 25.00 E	94.00	7316.83	648.47 S 380.49 E	751.83	.53
MMS	7516.00	19.50	S 25.00 E	94.00	7405.64	676.39 S 393.51 E	782.46	.80
MMS	7610.00	20.00	S 25.00 E	94.00	7494.11	705.17 S 406.93 E	814.05	.53
MMS	7704.00	21.00	S 26.00 E	94.00	7582.16	734.99 S 421.11 E	846.82	1.13
MMS	7798.00	21.25	S 26.00 E	94.00	7669.84	765.34 S 435.96 E	880.57	.27
MMS	7892.00	20.75	S 26.00 E	94.00	7757.60	795.61 S 450.72 E	914.13	.53
MMS	7986.00	21.00	S 25.00 E	94.00	7845.42	825.84 S 465.14 E	947.47	.46

MAGNETIC MULTISHOT TO FOLLOW SII GYRO

MAGNETIC MULTISHOT TO FOLLOW SII GYRO

MAGNETIC MULTISHOT TO FOLLOW SII GYRO

M.W.J. PRODUCING CO.
BAUM STATE #F-2

DATADRIL

LEA COUNTY, NEW MEXICO
SW 1/4 OF SEC. 5, 14S, 33E

OF SURVEY	DEPTH (FT)	ANGLE (DEG)	DIRECTION (DEG)	LENGTH (FT)	VERTICAL DEPTH	RECTANGULAR COORDINATES (FT)	SECTION (FT)	SEVERITY (DEG/100')
MMS	8080.00	21.00	S 25.00 E	94.00	7933.18	856.37 S 479.38 E	980.98	0.00
MMS	8174.00	21.50	S 24.00 E	94.00	8020.79	897.38 S 493.51 E	1014.83	.66
MMS	8268.00	21.75	S 23.00 E	94.00	8108.17	919.14 S 507.32 E	1049.18	.47
MMS	8362.00	22.50	S 24.00 E	94.00	8195.25	951.61 S 521.44 E	1084.28	.89
MMS	8456.00	23.00	S 24.00 E	94.00	8281.94	984.82 S 536.22 E	1120.36	.53
MMS	8550.00	23.75	S 24.00 E	94.00	8368.22	1018.89 S 551.39 E	1157.38	.80
MMS	8644.00	25.00	S 24.00 E	94.00	8453.84	1054.33 S 567.17 E	1195.89	1.33
MMS	8738.00	25.25	S 24.00 E	94.00	8538.95	1090.79 S 583.40 E	1235.51	.27
MMS	8832.00	25.00	S 24.00 E	94.00	8624.05	1127.25 S 599.64 E	1275.12	.27
MMS	8926.00	25.00	S 24.00 E	94.00	8709.25	1163.54 S 615.80 E	1314.56	0.00
MMS	9020.00	25.00	S 24.00 E	94.00	8794.44	1199.83 S 631.95 E	1353.99	0.00
MMS	9114.00	25.25	S 23.00 E	94.00	8879.55	1236.43 S 647.87 E	1393.57	.52
MMS	9208.00	25.00	S 23.00 E	94.00	8964.65	1273.17 S 663.46 E	1433.09	.27
MMS	9302.00	22.50	S 22.00 E	94.00	9050.68	1308.15 S 677.95 E	1470.54	2.69
MMS	9396.00	20.50	S 21.00 E	94.00	9138.14	1340.20 S 690.58 E	1504.52	2.16
MMS	9490.00	19.00	S 19.00 E	94.00	9226.61	1370.04 S 701.44 E	1535.70	1.75
MMS	9584.00	19.50	S 19.00 E	94.00	9315.35	1399.35 S 711.53 E	1566.02	.53
MMS	9678.00	19.50	S 18.00 E	90.00	9400.19	1427.84 S 721.06 E	1595.35	.37
MMS	9772.00	20.25	S 20.00 E	96.00	9492.35	1459.34 S 731.91 E	1627.94	1.03
MMS	9866.00	20.25	S 21.00 E	94.00	9580.54	1489.81 S 743.30 E	1659.94	.37
MMS	9960.00	21.50	S 20.00 E	94.00	9668.37	1521.18 S 755.03 E	1692.87	1.38
MMS	10054.00	21.25	S 19.00 E	94.00	9755.90	1553.48 S 766.47 E	1726.45	.47
MMS	10148.00	21.00	S 18.00 E	94.00	9843.59	1585.61 S 777.22 E	1759.53	.47
MMS	10242.00	21.00	S 17.00 E	94.00	9931.34	1617.73 S 787.35 E	1792.29	.38