

Mewbourne Oil Co

Eddy County, New Mexico

Sec 36-19S-29E

Three Palms 36 State Com #2H

Wellbore #1

30-015-38422

Survey: MWD Survey

DDC Survey Report

12 May, 2011



DDC
Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Three Palms 36 State Com #2H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3353.0usft (Patterson UTI 45)
Site:	Sec 36-19S-29E	MD Reference:	WELL @ 3353.0usft (Patterson UTI 45)
Well:	Three Palms 36 State Com #2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Project	Eddy County, New Mexico		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Sec 36-19S-29E		
Site Position:		Northing:	588,917.56 usft
From:	Map	Easting:	596,354.12 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 37' 7.134 N
		Longitude:	104° 1' 13.402 W
		Grid Convergence:	0.17 °

Well	Three Palms 36 State Com #2H		
Well Position	+N/-S	0.0 usft	Northing: 588,917.56 usft
	+E/-W	0.0 usft	Easting: 596,354.12 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 37' 7.134 N
		Longitude:	104° 1' 13.402 W
		Ground Level:	3,335.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/25/2011	7.87	60.48	48,844

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	266.19	

Survey Program	Date 5/12/2011				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	7,680.0	GYRO (Wellbore #1)	Good_gyro	Good Gyro	
7,741.0	12,710.0	MWD Survey (Wellbore #1)	MWD default	MWD - Standard	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
Tie-In to Gyro										
7,680.0	1.21	320.39	7,676.4	77.9	5.3	-10.5	0.00	0.00	0.00	
7,741.0	0.70	301.20	7,737.4	78.6	4.6	-9.8	0.98	-0.84	-31.46	
7,772.0	0.70	257.60	7,768.4	78.7	4.2	-9.4	1.68	0.00	-140.65	
7,803.0	3.30	269.40	7,799.4	78.6	3.2	-8.4	8.45	8.39	38.06	
Crossed Hard-Line @ 7834' MD										
7,834.0	7.00	274.50	7,830.3	78.7	0.4	-5.6	12.01	11.94	16.45	
7,865.0	10.20	275.20	7,860.9	79.1	-4.2	-1.0	10.33	10.32	2.26	
7,897.0	12.60	275.90	7,892.3	79.8	-10.5	5.2	7.51	7.50	2.19	

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Three Palms 36 State Com #2H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3353.0usft (Patterson UTI 45)
Site:	Sec 36-19S-29E	MD Reference:	WELL @ 3353.0usft (Patterson UTI 45)
Well:	Three Palms 36 State Com #2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000 1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,927.0	14.50	275.00	7,921.4	80.4	-17.5	12.1	6.37	6.33	-3.00
7,958.0	17.10	273.80	7,951.3	81.1	-25.9	20.5	8.45	8.39	-3.87
7,988.0	19.60	271.50	7,979.7	81.5	-35.4	29.9	8.67	8.33	-7.67
8,020.0	22.50	270.10	8,009.6	81.6	-46.9	41.3	9.20	9.06	-4.38
8,052.0	25.30	268.40	8,038.8	81.5	-59.8	54.3	9.01	8.75	-5.31
8,084.0	27.90	266.20	8,067.5	80.8	-74.1	68.6	8.69	8.13	-6.88
8,116.0	31.00	264.50	8,095.3	79.5	-89.8	84.3	10.03	9.69	-5.31
8,147.0	33.10	264.30	8,121.6	77.9	-106.2	100.8	6.78	6.77	-0.65
8,178.0	35.00	264.70	8,147.3	76.2	-123.5	118.1	6.17	6.13	1.29
8,210.0	37.60	265.90	8,173.1	74.7	-142.3	137.1	8.42	8.13	3.75
8,242.0	41.00	265.50	8,197.8	73.1	-162.5	157.3	10.65	10.63	-1.25
8,274.0	44.10	264.00	8,221.4	71.2	-184.1	179.0	10.19	9.69	-4.69
8,306.0	47.10	262.60	8,243.8	68.5	-206.8	201.8	9.88	9.38	-4.38
8,337.0	50.40	264.50	8,264.2	65.9	-230.0	225.1	11.60	10.65	6.13
8,368.0	52.60	265.50	8,283.5	63.8	-254.1	249.3	7.53	7.10	3.23
8,399.0	55.60	266.40	8,301.7	62.0	-279.2	274.4	9.96	9.68	2.90
8,431.0	59.60	265.70	8,318.8	60.1	-306.1	301.4	12.64	12.50	-2.19
8,462.0	63.30	266.40	8,333.6	58.3	-333.3	328.7	12.10	11.94	2.26
8,492.0	66.50	266.20	8,346.4	56.5	-360.4	355.8	10.68	10.67	-0.67
8,523.0	70.80	266.40	8,357.7	54.6	-389.2	384.7	13.88	13.87	0.65
8,555.0	75.80	266.80	8,366.8	52.8	-419.8	415.3	15.67	15.63	1.25
8,586.0	81.60	267.30	8,372.9	51.3	-450.1	445.7	18.78	18.71	1.61
8,617.0	85.20	267.10	8,376.5	49.8	-480.9	476.5	11.63	11.61	-0.65
8,649.0	86.60	266.60	8,378.8	48.0	-512.7	508.4	4.64	4.38	-1.56
8,674.0	87.00	266.20	8,380.2	46.4	-537.7	533.4	2.26	1.60	-1.60
8,763.0	88.50	264.10	8,383.7	38.9	-626.3	622.3	2.90	1.69	-2.36
8,795.0	89.40	263.60	8,384.2	35.5	-658.1	654.3	3.22	2.81	-1.56
8,827.0	89.70	263.40	8,384.5	31.9	-689.9	686.2	1.13	0.94	-0.63
8,858.0	89.60	263.40	8,384.7	28.3	-720.7	717.2	0.32	-0.32	0.00
8,890.0	89.50	263.10	8,384.9	24.5	-752.4	749.1	0.99	-0.31	-0.94
8,921.0	90.20	263.40	8,385.0	20.9	-783.2	780.1	2.46	2.26	0.97
8,953.0	90.40	263.80	8,384.9	17.3	-815.0	812.1	1.40	0.63	1.25
8,985.0	91.30	264.10	8,384.4	14.0	-846.8	844.0	2.96	2.81	0.94
9,016.0	91.50	264.10	8,383.6	10.8	-877.7	875.0	0.65	0.65	0.00
9,048.0	91.70	263.80	8,382.7	7.4	-909.5	907.0	1.13	0.63	-0.94
9,080.0	91.90	264.30	8,381.7	4.1	-941.3	938.9	1.68	0.63	1.56
9,112.0	91.10	265.40	8,380.9	1.2	-973.1	970.9	4.25	-2.50	3.44
9,144.0	91.10	266.40	8,380.3	-1.1	-1,005.1	1,002.9	3.12	0.00	3.13
9,175.0	91.70	266.60	8,379.5	-3.0	-1,036.0	1,033.9	2.04	1.94	0.65
9,239.0	91.10	266.20	8,377.9	-7.0	-1,099.8	1,097.9	1.13	-0.94	-0.63
9,302.0	90.80	265.70	8,376.9	-11.4	-1,162.7	1,160.9	0.93	-0.48	-0.79
9,366.0	90.70	264.70	8,376.1	-16.8	-1,226.4	1,224.8	1.57	-0.16	-1.56
9,430.0	92.00	265.50	8,374.6	-22.2	-1,290.2	1,288.8	2.38	2.03	1.25

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Three Palms 36 State Com #2H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3353.0usft (Patterson UTI 45)
Site:	Sec 36-19S-29E	MD Reference:	WELL @ 3353.0usft (Patterson UTI 45)
Well:	Three Palms 36 State Com #2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,493.0	91.60	264.80	8,372.6	-27.6	-1,352.9	1,351.8	1.28	-0.63	-1.11
9,557.0	89.80	260.60	8,371.8	-35.7	-1,416.4	1,415.6	7.14	-2.81	-6.56
9,589.0	89.60	260.40	8,372.0	-41.0	-1,448.0	1,447.5	0.88	-0.63	-0.63
9,620.0	91.60	261.00	8,371.6	-46.0	-1,478.5	1,478.3	6.74	6.45	1.94
9,653.0	93.40	261.50	8,370.2	-51.0	-1,511.1	1,511.2	5.66	5.45	1.52
9,684.0	94.10	262.00	8,368.2	-55.4	-1,541.7	1,542.0	2.77	2.26	1.61
9,716.0	94.20	261.70	8,365.9	-60.0	-1,573.3	1,573.8	0.99	0.31	-0.94
9,748.0	92.40	262.00	8,364.0	-64.5	-1,605.0	1,605.7	5.70	-5.63	0.94
9,779.0	91.00	263.30	8,363.1	-68.5	-1,635.7	1,636.6	6.16	-4.52	4.19
9,810.0	90.00	262.60	8,362.8	-72.3	-1,666.4	1,667.6	3.94	-3.23	-2.26
9,842.0	89.20	261.80	8,363.1	-76.6	-1,698.2	1,699.5	3.54	-2.50	-2.50
9,873.0	89.30	262.60	8,363.5	-80.8	-1,728.9	1,730.4	2.60	0.32	2.58
9,905.0	88.90	262.90	8,364.0	-84.9	-1,760.6	1,762.3	1.56	-1.25	0.94
9,937.0	89.50	263.40	8,364.4	-88.7	-1,792.4	1,794.3	2.44	1.88	1.56
9,969.0	91.20	263.30	8,364.2	-92.4	-1,824.2	1,826.3	5.32	5.31	-0.31
10,001.0	93.30	264.10	8,363.0	-95.9	-1,855.9	1,858.2	7.02	6.56	2.50
10,032.0	93.60	263.80	8,361.1	-99.1	-1,886.7	1,889.1	1.37	0.97	-0.97
10,064.0	93.50	263.10	8,359.1	-102.8	-1,918.4	1,921.0	2.21	-0.31	-2.19
10,096.0	93.50	265.50	8,357.2	-106.0	-1,950.2	1,952.9	7.49	0.00	7.50
10,128.0	94.30	269.20	8,355.0	-107.4	-1,982.1	1,984.9	11.80	2.50	11.56
10,159.0	94.40	270.30	8,352.6	-107.6	-2,013.0	2,015.7	3.55	0.32	3.55
10,191.0	92.50	270.10	8,350.7	-107.5	-2,045.0	2,047.6	5.97	-5.94	-0.63
10,223.0	91.90	270.50	8,349.5	-107.3	-2,076.9	2,079.5	2.25	-1.88	1.25
10,255.0	92.20	270.60	8,348.3	-107.0	-2,108.9	2,111.4	0.99	0.94	0.31
10,287.0	92.50	270.10	8,347.0	-106.8	-2,140.9	2,143.2	1.82	0.94	-1.56
10,319.0	92.50	270.10	8,345.6	-106.7	-2,172.8	2,175.1	0.00	0.00	0.00
10,351.0	91.60	269.40	8,344.5	-106.9	-2,204.8	2,207.1	3.56	-2.81	-2.19
10,383.0	91.90	270.10	8,343.5	-107.0	-2,236.8	2,239.0	2.38	0.94	2.19
10,415.0	91.70	269.40	8,342.5	-107.2	-2,268.8	2,270.9	2.27	-0.63	-2.19
10,446.0	90.30	269.40	8,341.9	-107.5	-2,299.8	2,301.8	4.52	-4.52	0.00
10,478.0	89.50	267.70	8,342.0	-108.3	-2,331.8	2,333.8	5.87	-2.50	-5.31
10,510.0	89.30	267.10	8,342.3	-109.7	-2,363.7	2,365.8	1.98	-0.63	-1.88
10,542.0	90.10	266.90	8,342.5	-111.4	-2,395.7	2,397.8	2.58	2.50	-0.63
10,574.0	90.00	266.20	8,342.5	-113.3	-2,427.6	2,429.8	2.21	-0.31	-2.19
10,605.0	91.60	266.40	8,342.0	-115.3	-2,458.6	2,460.8	5.20	5.16	0.65
10,636.0	91.90	266.60	8,341.1	-117.2	-2,489.5	2,491.8	1.16	0.97	0.65
10,668.0	92.00	265.90	8,340.0	-119.3	-2,521.4	2,523.8	2.21	0.31	-2.19
10,700.0	91.60	265.50	8,339.0	-121.7	-2,553.3	2,555.7	1.77	-1.25	-1.25
10,732.0	91.70	265.50	8,338.1	-124.2	-2,585.2	2,587.7	0.31	0.31	0.00
10,764.0	91.80	265.20	8,337.1	-126.8	-2,617.1	2,619.7	0.99	0.31	-0.94
10,796.0	92.00	264.70	8,336.0	-129.6	-2,648.9	2,651.7	1.68	0.63	-1.56
10,828.0	91.90	264.10	8,335.0	-132.8	-2,680.8	2,683.7	1.90	-0.31	-1.88
10,859.0	92.10	264.00	8,333.9	-136.0	-2,711.6	2,714.6	0.72	0.65	-0.32
10,891.0	92.00	263.80	8,332.7	-139.4	-2,743.4	2,746.6	0.70	-0.31	-0.63

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Three Palms 36 State Com #2H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3353.0usft (Patterson UTI 45)
Site:	Sec 36-19S-29E	MD Reference:	WELL @ 3353.0usft (Patterson UTI 45)
Well:	Three Palms 36 State Com #2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,923.0	91.90	262.90	8,331.6	-143.1	-2,775.1	2,778.5	2.83	-0.31	-2.81
10,955.0	92.10	262.20	8,330.5	-147.2	-2,806.8	2,810.4	2.27	0.63	-2.19
10,987.0	91.00	261.30	8,329.7	-151.8	-2,838.5	2,842.3	4.44	-3.44	-2.81
11,019.0	90.70	262.70	8,329.2	-156.3	-2,870.2	2,874.2	4.47	-0.94	4.38
11,050.0	90.30	262.60	8,328.9	-160.2	-2,900.9	2,905.2	1.33	-1.29	-0.32
11,082.0	91.40	262.90	8,328.4	-164.3	-2,932.7	2,937.1	3.56	3.44	0.94
11,114.0	91.80	264.50	8,327.5	-167.8	-2,964.5	2,969.1	5.15	1.25	5.00
11,146.0	92.10	264.10	8,326.5	-171.0	-2,996.3	3,001.0	1.56	0.94	-1.25
11,177.0	91.60	262.60	8,325.5	-174.5	-3,027.1	3,032.0	5.10	-1.61	-4.84
11,209.0	91.30	263.30	8,324.6	-178.5	-3,058.8	3,063.9	2.38	-0.94	2.19
11,241.0	91.10	264.50	8,324.0	-181.9	-3,090.6	3,095.9	3.80	-0.63	3.75
11,273.0	92.20	266.20	8,323.1	-184.5	-3,122.5	3,127.9	6.33	3.44	5.31
11,305.0	92.90	267.10	8,321.6	-186.3	-3,154.4	3,159.8	3.56	2.19	2.81
11,337.0	94.00	267.50	8,319.7	-187.8	-3,186.3	3,191.8	3.66	3.44	1.25
11,368.0	95.40	268.00	8,317.2	-189.0	-3,217.2	3,222.6	4.79	4.52	1.61
11,400.0	95.00	268.20	8,314.3	-190.1	-3,249.0	3,254.5	1.40	-1.25	0.63
11,432.0	93.50	268.20	8,311.9	-191.1	-3,280.9	3,286.4	4.69	-4.69	0.00
11,464.0	91.50	268.20	8,310.5	-192.1	-3,312.9	3,318.3	6.25	-6.25	0.00
11,496.0	90.70	267.70	8,309.9	-193.3	-3,344.9	3,350.3	2.95	-2.50	-1.56
11,527.0	90.70	267.70	8,309.5	-194.5	-3,375.8	3,381.3	0.00	0.00	0.00
11,559.0	91.20	267.80	8,309.0	-195.8	-3,407.8	3,413.3	1.59	1.56	0.31
11,591.0	92.60	270.30	8,307.9	-196.3	-3,439.8	3,445.2	8.95	4.38	7.81
11,622.0	93.40	270.80	8,306.3	-196.0	-3,470.7	3,476.1	3.04	2.58	1.61
11,654.0	92.40	270.50	8,304.7	-195.6	-3,502.7	3,508.0	3.26	-3.13	-0.94
11,686.0	91.50	268.70	8,303.6	-195.8	-3,534.7	3,539.9	6.29	-2.81	-5.63
11,718.0	90.90	268.50	8,302.9	-196.6	-3,566.7	3,571.8	1.98	-1.88	-0.63
11,750.0	91.20	268.40	8,302.3	-197.5	-3,598.6	3,603.8	0.99	0.94	-0.31
11,781.0	91.80	269.10	8,301.5	-198.2	-3,629.6	3,634.8	2.97	1.94	2.26
11,813.0	90.30	268.20	8,300.9	-198.9	-3,661.6	3,666.7	5.47	-4.69	-2.81
11,845.0	88.40	267.80	8,301.3	-200.0	-3,693.6	3,698.7	6.07	-5.94	-1.25
11,877.0	87.60	267.10	8,302.4	-201.5	-3,725.5	3,730.7	3.32	-2.50	-2.19
11,909.0	88.00	268.20	8,303.6	-202.8	-3,757.5	3,762.6	3.66	1.25	3.44
11,940.0	88.80	268.50	8,304.5	-203.7	-3,788.5	3,793.6	2.76	2.58	0.97
11,972.0	88.60	268.40	8,305.2	-204.5	-3,820.4	3,825.6	0.70	-0.63	-0.31
12,004.0	88.50	268.00	8,306.0	-205.5	-3,852.4	3,857.6	1.29	-0.31	-1.25
12,036.0	89.20	267.70	8,306.7	-206.7	-3,884.4	3,889.5	2.38	2.19	-0.94
12,067.0	89.60	270.00	8,307.0	-207.4	-3,915.4	3,920.5	7.53	1.29	7.42
12,099.0	90.80	267.70	8,306.9	-208.0	-3,947.4	3,952.5	8.11	3.75	-7.19
12,131.0	92.20	268.20	8,306.1	-209.1	-3,979.3	3,984.4	4.65	4.38	1.56
12,163.0	93.10	266.90	8,304.6	-210.5	-4,011.3	4,016.4	4.94	2.81	-4.06
12,194.0	93.30	266.60	8,302.8	-212.3	-4,042.2	4,047.3	1.16	0.65	-0.97
12,226.0	94.00	266.40	8,300.8	-214.2	-4,074.0	4,079.3	2.27	2.19	-0.63
12,258.0	94.90	266.20	8,298.3	-216.3	-4,105.9	4,111.2	2.88	2.81	-0.63

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Three Palms 36 State Com #2H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3353.0usft (Patterson UTI 45)
Site:	Sec 36-19S-29E	MD Reference:	WELL @ 3353.0usft (Patterson UTI 45)
Well:	Three Palms 36 State Com #2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,289.0	95.40	266.80	8,295.5	-218.2	-4,136.7	4,142.0	2.51	1.61	1.94
12,321.0	94.20	265.90	8,292.9	-220.2	-4,168.5	4,173.9	4.68	-3.75	-2.81
12,353.0	92.60	265.00	8,291.0	-222.7	-4,200.4	4,205.9	5.73	-5.00	-2.81
12,385.0	91.70	264.00	8,289.8	-225.8	-4,232.2	4,237.8	4.20	-2.81	-3.13
12,417.0	91.40	263.30	8,288.9	-229.3	-4,264.0	4,269.8	2.38	-0.94	-2.19
12,449.0	92.10	263.30	8,287.9	-233.1	-4,295.7	4,301.7	2.19	2.19	0.00
12,481.0	92.10	262.90	8,286.8	-236.9	-4,327.5	4,333.7	1.25	0.00	-1.25
12,512.0	91.90	262.40	8,285.7	-240.9	-4,358.2	4,364.6	1.74	-0.65	-1.61
12,544.0	91.80	261.80	8,284.6	-245.3	-4,389.9	4,396.5	1.90	-0.31	-1.88
12,576.0	91.90	261.00	8,283.6	-250.0	-4,421.5	4,428.4	2.52	0.31	-2.50
12,607.0	91.90	260.80	8,282.6	-254.9	-4,452.1	4,459.2	0.64	0.00	-0.65
12,639.0	91.50	260.10	8,281.6	-260.2	-4,483.7	4,491.0	2.52	-1.25	-2.19
12,657.0	91.00	260.00	8,281.2	-263.4	-4,501.4	4,508.9	2.83	-2.78	-0.56
TD									
12,710.0	91.00	260.00	8,280.3	-272.6	-4,553.6	4,561.6	0.00	0.00	0.00

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,680.0	7,676.4	77.9	5.3	Tie-In to Gyro
7,834.0	7,830.3	78.7	0.4	Crossed Hard-Line @ 7834' MD
12,710.0	8,280.3	-272.6	-4,553.6	TD

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------

Three Palms 36 State Com #2H
Eddy County, New Mexico
Q110054 & WT-11213

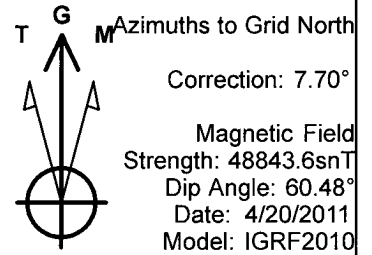
Company Name: Mewbourne Oil Co
Three Palms 36 State Com #2H
Eddy County, New Mexico
Rig: Patterson UTI 47
Created By: Kristen Koch
Date: 05/12/2011



Mewbourne Oil Company

PROJECT DETAILS: Eddy County, New Mexico

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

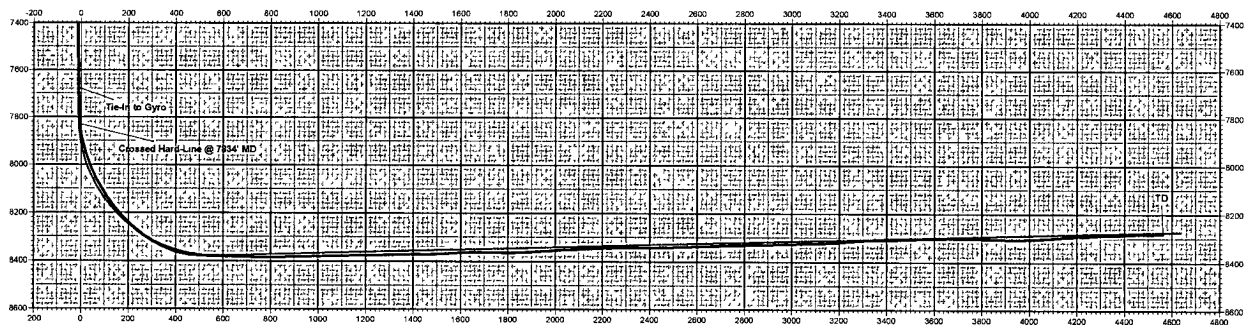
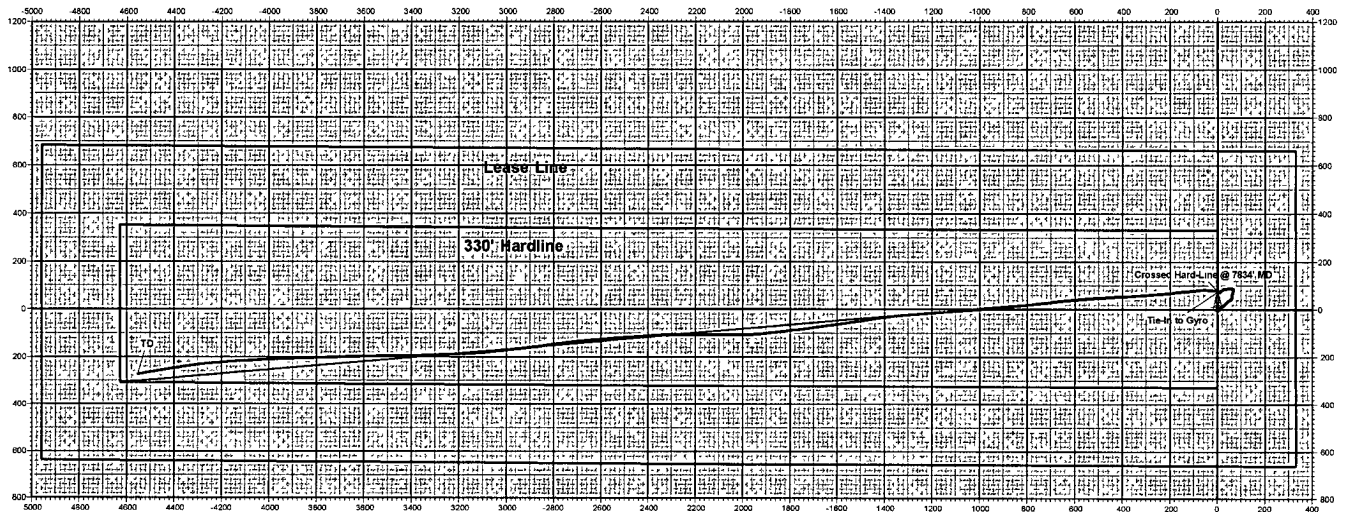


WELL DETAILS: Three Palms 36 State Com #2H

		Ground Level		3335.0	
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0 0	0 0	588917 56	596354 12	32° 37' 7 134 N	104° 1' 13 402 W

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
7680 0	1 21	320 39	7676 4	77 9	5 3	-10 5	199 3	Tie-In to Gyro
7834 0	7 00	274 50	7830 3	78 7	0 4	-5 6	204 6	Crossed Hard-Line @ 7834' MD
12710 0	91 00	260 00	8280 3	-272 6	-4563 6	4581 6	4777 3	TD



Vertical Section at 266 19° (200 usf/in)