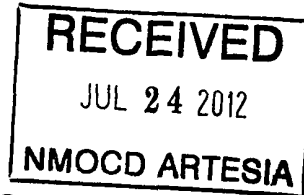


OPERATOR
WELL/LEASE
COUNTY

MEWBOURNE OIL COMPANY
THOMPSON 8 FEDERAL # 2H
EDDY



041-0097

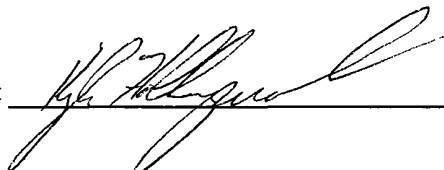
STATE OF NEW MEXICO
DEVIATION REPORT

30-015-39295

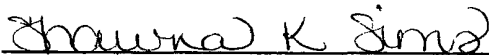
334	1 00
679	0.42
986	1.25
1,177	2.00
1,364	0.60
1,714	0.75
2,175	0.85
2,573	1.00
2,936	1.25
3,529	0 61
3,845	0 44
4,350	0 60
4,845	1.47
5,296	0 90
5,737	0.80
6,178	0.85
6,654	2.55
7,078	1.29

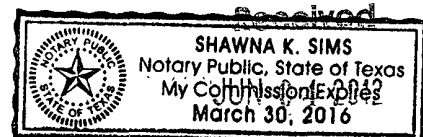
STATE OF TEXAS

COUNTY OF MIDLAND

BY: 

The foregoing instrument was acknowledged before me on 5/29/12, by
Kyle Hollingsworth on behalf of Patterson-UTI Drilling Company LLC


Notary Public for Midland County, Texas
My Commission Expires:



Mewbourne Oil Company
Hobbs



Company: Mewbourne Oil Corporation

Lease/Well: Thompson 8 Federal/2H

Rig Name: Patterson 41

State/County: New Mexico/Eddy

Latitude: 32.59

GRID North is 0.13 Degrees East of True North

VS-Azi: 0.00 Degrees



Depth Reference : RKB=16 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: thompson 8 fed 2h.ut

Minimum Curvature Method

Report Date/Time: 5/21/2012 / 09:55

Vaughn Energy Services

Fort Worth, Texas

817-741-3610

Surveyor: Mark Havens

Thompson 8 Federal 2H / API 30-015-39295

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
200.00	0.51	28.86	200.00	0.78	0.43	0.78	0.90	28.86	0.26
400.00	0.46	226.70	399.99	1.02	0.29	1.02	1.06	15.61	0.48
600.00	0.63	207.70	599.99	-0.50	-0.81	-0.50	0.95	238.18	0.13
800.00	2.38	103.26	799.93	-2.43	2.73	-2.43	3.66	131.71	1.31
1000.00	1.73	89.33	999.80	-3.35	9.79	-3.35	10.35	108.90	0.41
1200.00	0.68	81.33	1199.75	-3.14	13.97	-3.14	14.32	102.67	0.53
1400.00	1.07	84.62	1399.73	-2.79	17.00	-2.79	17.22	99.31	0.20
1600.00	0.93	88.32	1599.70	-2.56	20.48	-2.56	20.64	97.14	0.08
1800.00	3.53	84.02	1799.53	-1.88	28.22	-1.88	28.28	93.80	1.30
2000.00	3.02	85.44	1999.20	-0.82	39.60	-0.82	39.60	91.18	0.25
2200.00	2.76	60.64	2198.96	1.97	49.05	1.97	49.09	87.70	0.63
2400.00	3.57	34.80	2398.66	9.44	56.81	9.44	57.58	80.56	0.81
2600.00	1.79	28.14	2598.43	17.31	61.83	17.31	64.21	74.36	0.90
2800.00	1.89	334.75	2798.34	23.04	61.90	23.04	66.05	69.58	0.83
3000.00	1.06	329.70	2998.28	27.63	59.55	27.63	65.65	65.11	0.42
3200.00	0.87	322.46	3198.25	30.44	57.69	30.44	65.23	62.18	0.11
3400.00	0.76	6.56	3398.23	32.97	56.91	32.97	65.77	59.91	0.31
3600.00	0.52	358.38	3598.22	35.20	57.04	35.20	67.02	58.32	0.13
3800.00	0.50	305.81	3798.21	36.62	56.30	36.62	67.16	56.96	0.23
4000.00	0.60	312.26	3998.20	37.84	54.81	37.84	66.61	55.38	0.06

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
4200.00	0.52	314.52	4198.19	39.19	53.38	39.19	66.22	53.72	0.04
4400.00	0.66	315.89	4398.18	40.66	51.92	40.66	65.95	51.93	0.07
4600.00	0.98	316.66	4598.16	42.74	49.94	42.74	65.73	49.44	0.16
4800.00	1.19	324.43	4798.12	45.69	47.55	45.69	65.94	46.14	0.13
5000.00	1.43	332.76	4998.07	49.60	45.19	49.60	67.10	42.33	0.15
5200.00	1.35	331.95	5198.01	53.91	42.93	53.91	68.92	38.53	0.04
5400.00	0.91	324.63	5397.97	57.29	40.91	57.29	70.39	35.53	0.23
5600.00	0.78	316.80	5597.95	59.58	39.05	59.58	71.24	33.24	0.09
5800.00	0.56	282.05	5797.94	60.78	37.16	60.78	71.24	31.44	0.23
6000.00	0.67	300.58	5997.93	61.57	35.20	61.57	70.93	29.76	0.11
6200.00	0.91	277.77	6197.91	62.38	32.62	62.38	70.40	27.61	0.20
6400.00	1.71	264.94	6397.85	62.33	28.08	62.33	68.37	24.25	0.42
6600.00	2.05	238.29	6597.75	60.19	22.07	60.19	64.11	20.14	0.46
6800.00	2.13	232.63	6797.62	56.05	16.07	56.05	58.31	16.00	0.11
7000.00	1.38	226.83	6997.52	52.15	11.36	52.15	53.37	12.29	0.39
7200.00	0.74	239.75	7197.49	49.85	8.49	49.85	50.57	9.66	0.34
7250.00	0.70	242.34	7247.48	49.55	7.94	49.55	50.18	9.10	0.11

RECEIVED

JUL 24 2012

NMOCD ARTESIA

Mewbourne Oil Co

Eddy County, New Mexico

Sec 8-20S-29E

Thompson 8 Federal Com #2H

Wellbore #1

Survey: MWD

DDC Survey Report

23 May, 2012



DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Thompson 8 Federal Com #2H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3303.0usft (Patterson 41)
Site:	Sec 8-20S-29E	MD Reference:	WELL @ 3303.0usft (Patterson 41)
Well:	Thompson 8 Federal 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 8-20S-29E				
Site Position:		Northing:	579,433.40 usft	Latitude:	32° 35' 33.830 N
From:	Map	Easting:	575,217.33 usft	Longitude:	104° 5' 20.792 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.13 °

Well	Thompson 8 Federal Com #2H					
Well Position	+N/-S	0.0 usft	Northing:	579,433.40 usft	Latitude:	32° 35' 33.830 N
	+E/-W	0.0 usft	Easting:	575,217.33 usft	Longitude:	104° 5' 20.792 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,285.0 usft

Wellbore		Wellbore #1			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/20/2012	7 75	60 42	48.697

Design: Wellbore #1	
Audit Notes:	
Version: 1.0	Phase: ACTUAL
Tie On Depth: 0.0	

Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	276.09

Survey Program		Date: 5/23/2012		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
200.0	7,250.0	Gyro (Wellbore #1)	Good_gyro	Good Gyro
7,420.0	12,378.0	MWD (Wellbore #1)	MWD default	MWD - Standard

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 @ 7250' MD / 7248' TVD									
7,250.0	0.70	242.34	7,247.5	49.4	8.0	-2.7	0.00	0.00	0.00
7,420.0	3.20	218.70	7,417.4	45.3	4.1	0.7	1.51	1.47	-13.91
7,452.0	3.20	225.90	7,449.3	43.9	2.9	1.8	1.26	0.00	22.50
7,483.0	5.90	233.40	7,480.2	42.4	1.0	3.5	8.90	8.71	24.19
7,515.0	10.00	244.10	7,511.9	40.2	-2.8	7.1	13.57	12.81	33.44
7,546.0	14.10	252.80	7,542.2	37.9	-8.8	12.8	14.43	13.23	28.06
Crossed Hard Line @ 7578' Md / 7573' TVD									
7,578.0	17.60	260.40	7,573.0	35.9	-17.3	21.1	12.69	10.94	23.75

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Thompson 8 Federal Com #2H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3303.0usft (Patterson 41)
Site:	Sec 8-20S-29E	MD Reference:	WELL @ 3303.0usft (Patterson 41)
Well:	Thompson 8 Federal Com #2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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)
7,609.0	20.80	269.60	7,602.3	35.1	-27.5	31.0	14.18	10.32	29.68
7,641.0	24.00	276.10	7,631.9	35.8	-39.6	43.2	12.63	10.00	20.31
7,672.0	27.30	278.50	7,659.8	37.5	-52.9	56.6	11.16	10.65	7.74
7,704.0	30.30	279.60	7,687.9	39.9	-68.1	72.0	9.52	9.38	3.44
7,735.0	34.10	279.80	7,714.1	42.7	-84.4	88.5	12.26	12.26	0.65
7,767.0	37.80	279.00	7,740.0	45.8	-103.0	107.2	11.66	11.56	-2.50
7,798.0	41.30	278.00	7,763.9	48.7	-122.5	127.0	11.48	11.29	-3.23
7,830.0	44.40	278.90	7,787.3	51.9	-144.0	148.7	9.87	9.69	2.81
7,861.0	47.60	278.80	7,808.9	55.3	-166.0	171.0	10.33	10.32	-0.32
7,893.0	50.50	277.60	7,829.8	58.8	-190.0	195.1	9.49	9.06	-3.75
7,925.0	53.50	277.20	7,849.5	62.0	-215.0	220.3	9.43	9.38	-1.25
7,956.0	56.40	277.90	7,867.3	65.3	-240.1	245.7	9.54	9.35	2.26
7,988.0	59.90	277.90	7,884.2	69.1	-267.0	272.9	10.94	10.94	0.00
8,019.0	64.70	277.40	7,898.6	72.7	-294.2	300.3	15.55	15.48	-1.61
8,051.0	68.20	277.00	7,911.4	76.4	-323.3	329.6	11.00	10.94	-1.25
8,082.0	71.30	277.20	7,922.1	80.0	-352.2	358.7	10.02	10.00	0.65
8,114.0	75.50	276.50	7,931.3	83.7	-382.6	389.3	13.29	13.13	-2.19
8,145.0	80.00	275.60	7,937.9	86.8	-412.7	419.6	14.79	14.52	-2.90
8,177.0	84.50	274.60	7,942.2	89.7	-444.3	451.3	14.40	14.06	-3.13
8,261.0	90.20	276.80	7,946.1	98.0	-527.8	535.2	7.27	6.79	2.62
8,293.0	90.40	277.40	7,945.9	101.9	-559.5	567.2	1.98	0.63	1.88
8,325.0	90.70	277.80	7,945.6	106.2	-591.2	599.2	1.56	0.94	1.25
8,357.0	91.00	276.40	7,945.1	110.1	-623.0	631.2	4.47	0.94	-4.38
8,389.0	91.10	275.90	7,944.5	113.6	-654.8	663.2	1.59	0.31	-1.56
8,420.0	90.60	275.30	7,944.1	116.6	-685.6	694.1	2.52	-1.61	-1.94
8,452.0	90.70	275.50	7,943.7	119.6	-717.5	726.1	0.70	0.31	0.63
8,484.0	90.70	275.10	7,943.3	122.6	-749.4	758.1	1.25	0.00	-1.25
8,547.0	91.60	275.80	7,942.0	128.5	-812.1	821.1	1.81	1.43	1.11
8,611.0	90.90	276.50	7,940.6	135.4	-875.7	885.1	1.55	-1.09	1.09
8,675.0	90.50	275.70	7,939.9	142.2	-939.3	949.1	1.40	-0.63	-1.25
8,738.0	90.60	275.10	7,939.3	148.1	-1,002.0	1,012.1	0.97	0.16	-0.95
8,802.0	91.40	274.50	7,938.1	153.5	-1,065.8	1,076.1	1.56	1.25	-0.94
8,865.0	90.60	273.50	7,937.0	157.9	-1,128.6	1,139.0	2.03	-1.27	-1.59
8,928.0	90.60	273.20	7,936.4	161.5	-1,191.5	1,201.9	0.48	0.00	-0.48
8,992.0	90.50	271.80	7,935.8	164.3	-1,255.5	1,265.8	2.19	-0.16	-2.19
9,055.0	91.20	273.40	7,934.8	167.2	-1,318.4	1,328.7	2.77	1.11	2.54
9,119.0	91.00	275.40	7,933.6	172.1	-1,382.2	1,392.6	3.14	-0.31	3.13
9,183.0	91.60	276.30	7,932.2	178.6	-1,445.8	1,456.6	1.69	0.94	1.41
9,246.0	90.80	275.80	7,930.8	185.3	-1,508.5	1,519.6	1.50	-1.27	-0.79
9,310.0	90.80	274.90	7,929.9	191.2	-1,572.2	1,583.6	1.41	0.00	-1.41
9,373.0	91.00	274.50	7,928.9	196.4	-1,635.0	1,646.6	0.71	0.32	-0.63
9,436.0	90.20	274.50	7,928.3	201.3	-1,697.8	1,709.5	1.27	-1.27	0.00
9,500.0	90.60	274.70	7,927.8	206.5	-1,761.6	1,773.5	0.70	0.63	0.31

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Thompson 8 Federal Com #2H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3303.0usft (Patterson 41)
Site:	Sec 8-20S-29E	MD Reference:	WELL @ 3303.0usft (Patterson 41)
Well:	Thompson 8 Federal 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)	
9,564.0	91.30	274.10	7,926.8	211.4	-1,825.4	1,837.5	1.44	1.09	-0.94	
9,627.0	90.60	274.80	7,925.7	216.3	-1,888.2	1,900.4	1.57	-1.11	1.11	
9,691.0	90.80	274.40	7,925.0	221.4	-1,951.9	1,964.4	0.70	0.31	-0.63	
9,754.0	91.10	273.20	7,923.9	225.6	-2,014.8	2,027.4	1.96	0.48	-1.90	
9,818.0	90.70	274.50	7,922.9	229.9	-2,078.6	2,091.3	2.12	-0.63	2.03	
9,882.0	90.90	276.50	7,922.0	236.0	-2,142.3	2,155.3	3.14	0.31	3.13	
9,945.0	90.20	277.30	7,921.4	243.6	-2,204.9	2,218.3	1.69	-1.11	1.27	
10,009.0	90.80	277.30	7,920.8	251.7	-2,268.4	2,282.3	0.94	0.94	0.00	
10,072.0	91.40	277.70	7,919.6	259.9	-2,330.8	2,345.2	1.14	0.95	0.63	
10,136.0	91.10	278.60	7,918.2	269.0	-2,394.1	2,409.2	1.48	-0.47	1.41	
10,199.0	89.50	278.00	7,917.9	278.1	-2,456.5	2,472.1	2.71	-2.54	-0.95	
10,263.0	89.50	277.80	7,918.5	286.9	-2,519.9	2,536.1	0.31	0.00	-0.31	
10,326.0	89.90	277.40	7,918.8	295.2	-2,582.3	2,599.1	0.90	0.63	-0.63	
10,390.0	90.30	276.90	7,918.7	303.2	-2,645.8	2,663.0	1.00	0.63	-0.78	
10,453.0	91.10	276.70	7,917.9	310.6	-2,708.4	2,726.0	1.31	1.27	-0.32	
10,517.0	91.30	276.00	7,916.6	317.7	-2,772.0	2,790.0	1.14	0.31	-1.09	
10,580.0	90.40	276.20	7,915.6	324.4	-2,834.6	2,853.0	1.46	-1.43	0.32	
10,644.0	90.40	275.00	7,915.2	330.7	-2,898.3	2,917.0	1.87	0.00	-1.88	
10,707.0	90.90	275.10	7,914.5	336.2	-2,961.0	2,980.0	0.81	0.79	0.16	
10,771.0	91.90	274.60	7,912.9	341.6	-3,024.8	3,044.0	1.75	1.56	-0.78	
10,834.0	91.10	274.80	7,911.3	346.8	-3,087.6	3,106.9	1.31	-1.27	0.32	
10,897.0	90.00	274.70	7,910.7	352.0	-3,150.3	3,169.9	1.75	-1.75	-0.16	
10,961.0	90.50	275.30	7,910.4	357.6	-3,214.1	3,233.9	1.22	0.78	0.94	
11,024.0	91.50	275.60	7,909.3	363.5	-3,276.8	3,296.9	1.66	1.59	0.48	
11,087.0	91.30	275.10	7,907.7	369.4	-3,339.5	3,359.8	0.85	-0.32	-0.79	
11,151.0	89.70	275.30	7,907.2	375.2	-3,403.2	3,423.8	2.52	-2.50	0.31	
11,215.0	89.70	275.20	7,907.5	381.1	-3,467.0	3,487.8	0.16	0.00	-0.16	
11,279.0	90.70	275.20	7,907.3	386.9	-3,530.7	3,551.8	1.56	1.56	0.00	
11,343.0	91.10	275.00	7,906.3	392.6	-3,594.4	3,615.8	0.70	0.63	-0.31	
11,407.0	91.60	274.50	7,904.8	397.9	-3,658.2	3,679.8	1.10	0.78	-0.78	
11,470.0	90.70	274.30	7,903.5	402.7	-3,721.0	3,742.7	1.46	-1.43	-0.32	
11,533.0	90.60	274.00	7,902.8	407.3	-3,783.8	3,805.7	0.50	-0.16	-0.48	
11,596.0	91.30	273.60	7,901.8	411.4	-3,846.7	3,868.6	1.28	1.11	-0.63	
11,660.0	89.60	273.70	7,901.3	415.5	-3,910.6	3,932.6	2.66	-2.66	0.16	
11,724.0	89.10	273.40	7,902.0	419.5	-3,974.4	3,996.5	0.91	-0.78	-0.47	
11,756.0	89.10	273.50	7,902.5	421.4	-4,006.4	4,028.5	0.31	0.00	0.31	
11,788.0	89.10	273.30	7,903.0	423.3	-4,038.3	4,060.4	0.62	0.00	-0.63	
11,820.0	90.30	273.00	7,903.2	425.0	-4,070.3	4,092.4	3.87	3.75	-0.94	
11,883.0	92.10	272.30	7,901.8	428.0	-4,133.2	4,155.2	3.07	2.86	-1.11	
11,947.0	93.10	271.70	7,898.9	430.2	-4,197.1	4,219.0	1.82	1.56	-0.94	
12,011.0	92.80	272.20	7,895.6	432.4	-4,260.9	4,282.8	0.91	-0.47	0.78	
12,075.0	92.00	272.60	7,893.0	435.0	-4,324.8	4,346.6	1.40	-1.25	0.63	
12,137.0	91.20	272.10	7,891.2	437.6	-4,386.8	4,408.4	1.52	-1.29	-0.81	
12,200.0	90.70	272.30	7,890.2	440.0	-4,449.7	4,471.3	0.85	-0.79	0.32	

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Thompson 8 Federal Com #2H
Project:	Eddy County, New Mexico	TVD Reference:	WELL @ 3303.0usft (Patterson 41)
Site:	Sec 8-20S-29E	MD Reference:	WELL @ 3303.0usft (Patterson 41)
Well:	Thompson 8 Federal 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)	
12,264.0	92.00	272.30	7,888.7	442.6	-4,513.6	4,535.1	2.03	2.03	0.00	
12,328.0	93.20	272.60	7,885.8	445.3	-4,577.5	4,598.9	1.93	1.88	0.47	
TD @ 12378' MD / 7883' TVD										
12,378.0	93.20	272.60	7,883.0	447.6	-4,627.4	4,648.7	0.00	0.00	0.00	

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
7,250.0	7,247.5	49.4	8.0	TIE IN @ 7250' MD / 7248' TVD	
7,578.0	7,573.0	35.9	-17.3	Crossed Hard Line @ 7578' MD / 7573' TVD	
12,378.0	7,883.0	447.6	-4,627.4	TD @ 12378' MD / 7883' TVD	

Checked By: _____ Approved By: _____ Date: _____

Company Name: Mewbourne Oil Co
Thompson 8 Federal Com #2H
Eddy County, New Mexico
Rlg: Patterson 41
Created By: Dina Chance
Date: 5/23/2012

Thompson 8 Federal Com #2H
Eddy County, New Mexico
Q110188 & WT-12283

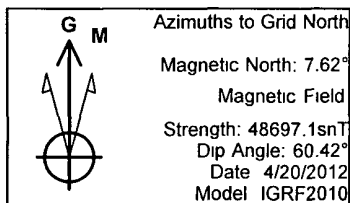
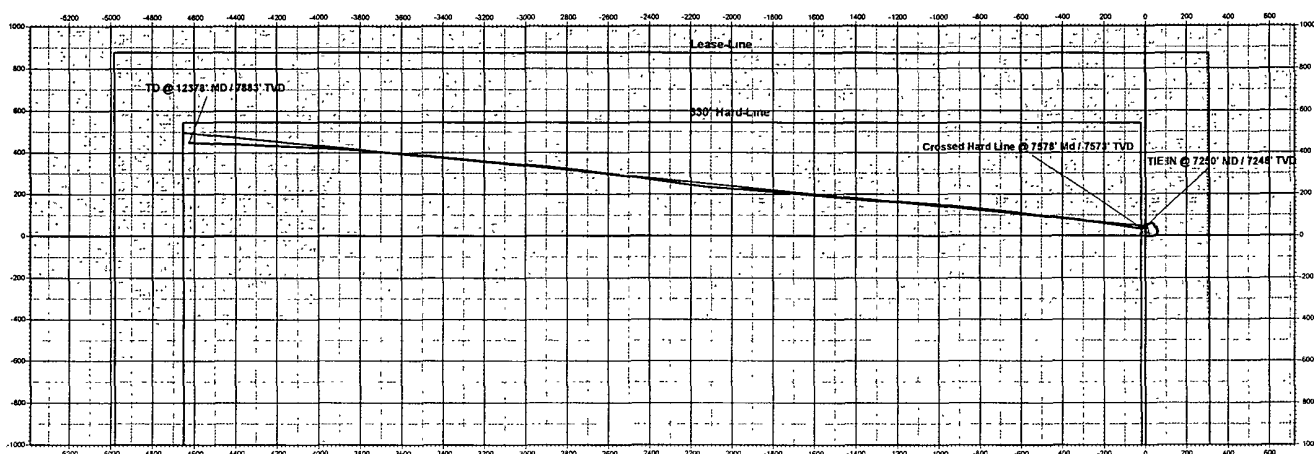
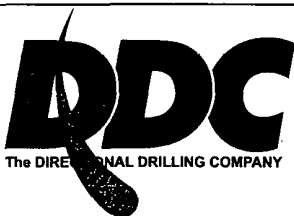
WELL DETAILS Thompson 8 Federal Com #2H

Ground Level: 3285.0		Latitude	Longitude
+N-S	+E-W	32° 35' 53.830 N	104° 5' 20.792 W
0.0	0.0	579433.40	575217.33

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

Mewbourne Oil Company



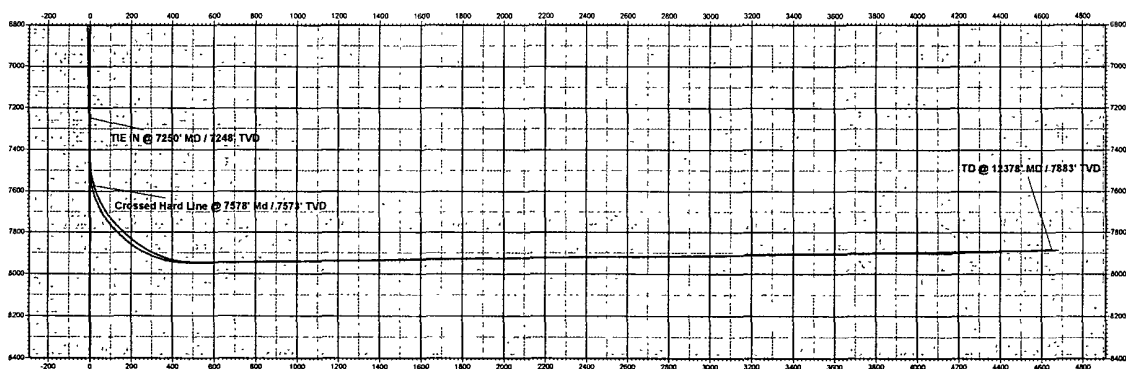
DESIGN TARGET DETAILS

Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
PBHL Thompson 8 Fed Com #2P888 0	496.5	-4653.4	579929.90	570563.90	32° 35' 38.846 N	104° 6' 15.172 W	

plan hits target center

ANNOTATIONS

MD	Inc	Azi	TVD	+N-S	+E-W	VSec	Departure	Annotation
7250.0	0.70	242.34	7247.5	49.4	8.0	-2.7	164.2	TIE IN @ 7250' MD / 7248' TVD
7578.0	17.60	260.40	7573.0	35.9	-17.3	21.1	193.6	Crossed Hard Line @ 7578' MD / 7573' TVD
12378.0	93.20	272.60	7853.0	447.6	-4627.4	4648.7	4824.6	TD @ 12378' MD / 7853' TVD



Vertical Section at 276.09° (200 usf/in)