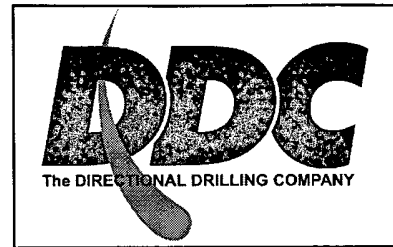


Wyatt Draw North 18/19 LD #1H
Eddy, New Mexico
Q100672 & WT-10480

30-015-38009

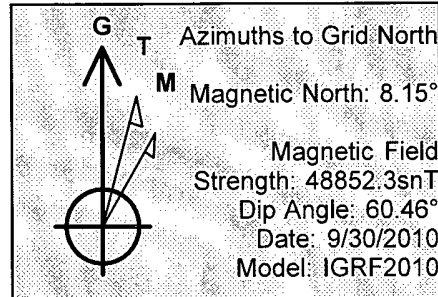
Mewbourne Oil Company

Company Name: Mewbourne Oil Co
Wyatt Draw North 18/19 LD #1H
Eddy, New Mexico
Rig: Patterson UTI #101
Created By: Allen Slack
Date: 10/21/2010



WELL DETAILS: Wyatt Draw North 18/19 LD #1H

	Ground Level:	3401.0			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	603806.77	470871.74	32° 39' 35.749 N	104° 25' 40.732 W



PROJECT DETAILS: Eddy, 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

DESIGN TARGET DETAILS

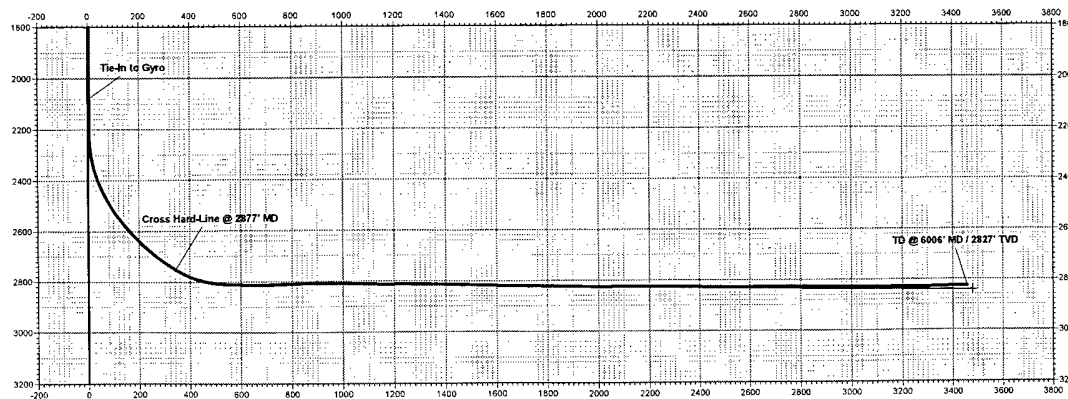
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL Wyatt Draw North 18/19 LD #1H2842.3	-3479.3	-8.2	600327.51	470863.50	32° 39' 1.319 N	104° 25' 40.792 W	

- plan hits target center

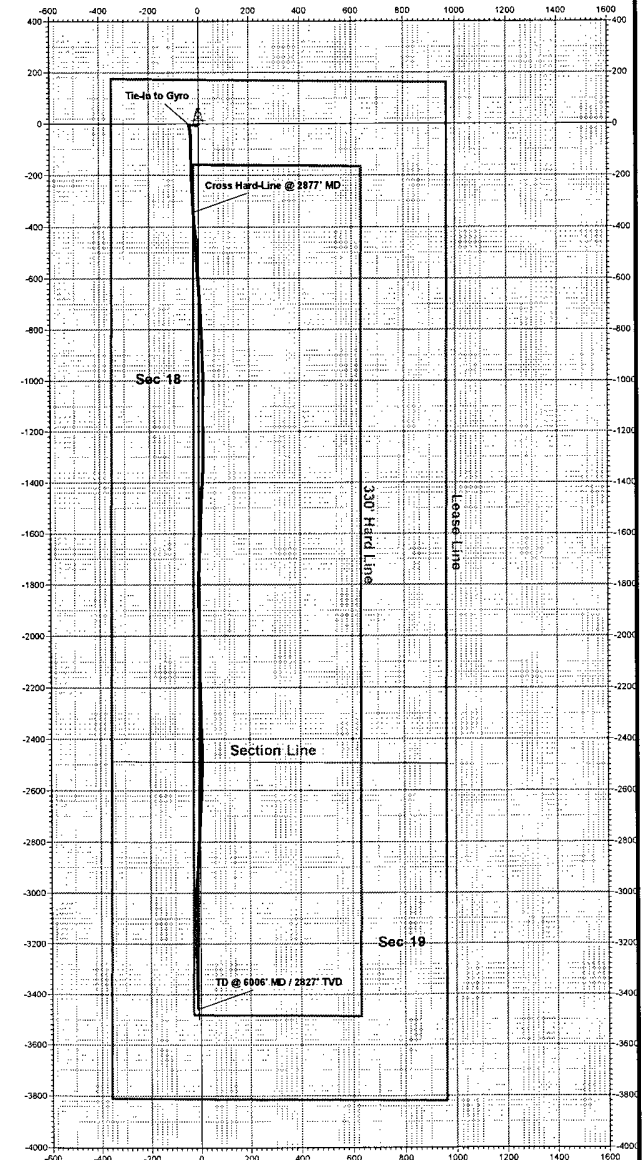
ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSecDeparture	Annotation
2079.0	1.04	271.70	2078.6	-4.8	-34.9	7.2	39.3
2877.2	58.44	176.13	2751.0	-342.6	-20.9	343.2	380.0
6006.0	90.40	178.80	2827.4	-3457.4	-11.2	3449.8	3497.1

TD @ 6006' MD / 2827' TVD



Vertical Section at 180.14° (200 usft/in)



Mewbourne Oil Co

Eddy, New Mexico

Sec 18/19-19S-26E

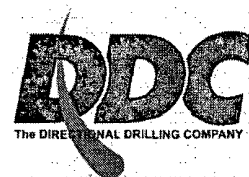
Wyatt Draw North 18/19 LD #1H

Wellbore #1

Survey: MWD Survey

DDC Survey Report

21 October, 2010



DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Wyatt Draw North 18/19 LD #1H
Project:	Eddy, New Mexico	TVD Reference:	WELL @ 3420.0usft (Patterson UTI #101)
Site:	Sec 18/19-19S-26E	MD Reference:	WELL @ 3420.0usft (Patterson UTI #101)
Well:	Wyatt Draw North 18/19 LD #1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Project	Eddy, 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 18/19-19S-26E		
Site Position:		Northing:	603,806.77 usft
From:	Map	Easting:	470,871.74 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 39' 35.749 N
		Longitude:	104° 25' 40.732 W
		Grid Convergence:	-0.05 °

Well	Wyatt Draw North 18/19 LD #1H		
Well Position	+N/-S	0.0 usft	Northing: 603,806.77 usft
	+E/-W	0.0 usft	Easting: 470,871.74 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 39' 35.749 N
		Longitude:	104° 25' 40.732 W
		Ground Level:	3,401.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	9/30/2010	8.10	60.46	48,852

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	180.14	

Survey Program	Date	10/21/2010			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	2,079.0	Gyro Survey (Wellbore #1)	Good_gyro	Good Gyro	
2,085.0	6,006.0	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									
2,079.0	1.04	271.70	2,078.6	-4.8	-34.9	4.9	0.00	0.00	0.00
2,085.0	0.80	262.00	2,084.6	-4.8	-35.0	4.9	4.75	-4.00	-161.67
2,116.0	1.20	269.10	2,115.6	-4.9	-35.6	4.9	1.35	1.29	22.90
2,148.0	1.10	270.00	2,147.6	-4.9	-36.2	4.9	0.32	-0.31	2.81
2,179.0	0.80	249.40	2,178.6	-4.9	-36.7	5.0	1.45	-0.97	-66.45
2,209.0	0.90	236.40	2,208.6	-5.1	-37.1	5.2	0.72	0.33	-43.33
2,241.0	2.50	189.10	2,240.6	-6.0	-37.4	6.1	6.26	5.00	-147.81
2,272.0	5.70	173.90	2,271.5	-8.2	-37.4	8.3	10.81	10.32	-49.03
2,303.0	9.50	167.00	2,302.2	-12.2	-36.6	12.3	12.58	12.26	-22.26

DDC
Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Wyatt Draw North 18/19 LD #1H
Project:	Eddy, New Mexico	TVD Reference:	WELL @ 3420.0usft (Patterson UTI #101)
Site:	Sec 18/19-19S-26E	MD Reference:	WELL @ 3420.0usft (Patterson UTI #101)
Well:	Wyatt Draw North 18/19 LD #1H	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)
2,334.0	13.00	167.30	2,332.6	-18.1	-35.3	18.2	11.29	11.29	0.97
2,365.0	16.40	170.90	2,362.6	-25.8	-33.8	25.9	11.35	10.97	11.61
2,396.0	20.10	173.80	2,392.0	-35.4	-32.6	35.5	12.29	11.94	9.35
2,428.0	23.60	176.10	2,421.7	-47.3	-31.5	47.4	11.26	10.94	7.19
2,460.0	26.30	178.20	2,450.7	-60.8	-30.9	60.8	8.88	8.44	6.56
2,491.0	29.10	179.50	2,478.2	-75.2	-30.6	75.3	9.24	9.03	4.19
2,522.0	32.10	180.00	2,504.9	-91.0	-30.5	91.0	9.71	9.68	1.61
2,554.0	34.70	179.30	2,531.6	-108.6	-30.4	108.6	8.21	8.13	-2.19
2,585.0	37.40	178.30	2,556.6	-126.8	-30.0	126.9	8.91	8.71	-3.23
2,616.0	39.80	178.80	2,580.9	-146.1	-29.5	146.2	7.81	7.74	1.61
2,647.0	42.00	179.30	2,604.3	-166.4	-29.2	166.5	7.17	7.10	1.61
2,679.0	44.50	178.50	2,627.6	-188.4	-28.8	188.4	8.00	7.81	-2.50
2,711.0	47.00	177.70	2,649.9	-211.3	-28.0	211.3	8.01	7.81	-2.50
2,742.0	49.10	177.40	2,670.6	-234.3	-27.0	234.4	6.81	6.77	-0.97
2,774.0	50.70	177.20	2,691.3	-258.7	-25.9	258.8	5.02	5.00	-0.63
2,805.0	53.40	176.80	2,710.3	-283.2	-24.6	283.2	8.77	8.71	-1.29
2,836.0	55.30	176.40	2,728.4	-308.3	-23.1	308.4	6.22	6.13	-1.29
2,867.0	57.20	176.20	2,745.6	-334.0	-21.4	334.1	6.15	6.13	-0.65
Cross Hard-Line @ 2877' MD									
2,877.2	58.44	176.13	2,751.0	-342.6	-20.9	342.7	12.20	12.19	-0.64
2,899.0	61.10	176.00	2,762.0	-361.4	-19.6	361.5	12.20	12.19	-0.62
2,931.0	66.00	175.70	2,776.3	-390.0	-17.5	390.0	15.34	15.31	-0.94
2,962.0	70.60	175.70	2,787.7	-418.7	-15.3	418.7	14.84	14.84	0.00
2,994.0	74.90	175.80	2,797.2	-449.2	-13.1	449.2	13.44	13.44	0.31
3,024.0	79.20	176.30	2,803.9	-478.3	-11.1	478.4	14.43	14.33	1.67
3,047.0	82.80	176.60	2,807.5	-501.0	-9.6	501.0	15.71	15.65	1.30
3,115.0	89.40	176.20	2,812.1	-568.7	-5.4	568.7	9.72	9.71	-0.59
3,147.0	89.70	175.60	2,812.4	-600.6	-3.1	600.6	2.10	0.94	-1.88
3,178.0	89.30	175.30	2,812.7	-631.5	-0.6	631.5	1.61	-1.29	-0.97
3,210.0	88.90	176.00	2,813.2	-663.4	1.8	663.4	2.52	-1.25	2.19
3,241.0	90.00	176.90	2,813.5	-694.3	3.7	694.3	4.58	3.55	2.90
3,273.0	92.00	177.40	2,812.9	-726.3	5.3	726.3	6.44	6.25	1.56
3,304.0	92.20	177.60	2,811.8	-757.2	6.6	757.2	0.91	0.65	0.65
3,336.0	92.50	176.50	2,810.5	-789.2	8.3	789.1	3.56	0.94	-3.44
3,368.0	91.10	177.60	2,809.5	-821.1	9.9	821.1	5.56	-4.38	3.44
3,399.0	91.00	177.10	2,808.9	-852.1	11.4	852.0	1.64	-0.32	-1.61
3,431.0	89.60	178.80	2,808.7	-884.0	12.5	884.0	6.88	-4.38	5.31
3,462.0	89.50	178.60	2,809.0	-915.0	13.2	915.0	0.72	-0.32	-0.65
3,494.0	89.60	178.60	2,809.2	-947.0	14.0	947.0	0.31	0.31	0.00
3,525.0	89.50	178.30	2,809.5	-978.0	14.8	978.0	1.02	-0.32	-0.97
3,557.0	88.60	180.60	2,810.0	-1,010.0	15.1	1,010.0	7.72	-2.81	7.19
3,589.0	88.40	180.40	2,810.8	-1,042.0	14.9	1,042.0	0.88	-0.63	-0.63
3,620.0	88.10	180.00	2,811.8	-1,073.0	14.8	1,072.9	1.61	-0.97	-1.29

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Wyatt Draw North 18/19 LD #1H
Project:	Eddy, New Mexico	TVD Reference:	WELL @ 3420.0usft (Patterson UTI #101)
Site:	Sec 18/19-19S-26E	MD Reference:	WELL @ 3420.0usft (Patterson UTI #101)
Well:	Wyatt Draw North 18/19 LD #1H	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)
3,652.0	88.00	180.20	2,812.9	-1,105.0	14.7	1,104.9	0.70	-0.31	0.63
3,683.0	89.10	180.20	2,813.7	-1,135.9	14.6	1,135.9	3.55	3.55	0.00
3,715.0	90.70	179.30	2,813.7	-1,167.9	14.7	1,167.9	5.74	5.00	-2.81
3,746.0	91.00	179.20	2,813.2	-1,198.9	15.1	1,198.9	1.02	0.97	-0.32
3,778.0	90.90	179.50	2,812.7	-1,230.9	15.5	1,230.9	0.99	-0.31	0.94
3,809.0	90.80	179.70	2,812.3	-1,261.9	15.7	1,261.9	0.72	-0.32	0.65
3,841.0	89.30	180.40	2,812.2	-1,293.9	15.7	1,293.9	5.17	-4.69	2.19
3,873.0	88.40	182.50	2,812.9	-1,325.9	14.9	1,325.9	7.14	-2.81	6.56
3,903.0	88.30	183.20	2,813.7	-1,355.9	13.4	1,355.8	2.36	-0.33	2.33
3,933.0	88.40	183.20	2,814.6	-1,385.8	11.7	1,385.8	0.33	0.33	0.00
3,964.0	88.50	182.90	2,815.4	-1,416.7	10.1	1,416.7	1.02	0.32	-0.97
3,996.0	88.60	182.70	2,816.2	-1,448.7	8.5	1,448.7	0.70	0.31	-0.63
4,024.0	88.90	182.20	2,816.9	-1,476.7	7.3	1,476.6	2.08	1.07	-1.79
4,055.0	88.90	182.30	2,817.5	-1,507.6	6.1	1,507.6	0.32	0.00	0.32
4,086.0	89.10	182.00	2,818.0	-1,538.6	4.9	1,538.6	1.16	0.65	-0.97
4,116.0	89.20	182.30	2,818.4	-1,568.6	3.8	1,568.6	1.05	0.33	1.00
4,147.0	89.30	182.30	2,818.8	-1,599.6	2.6	1,599.5	0.32	0.32	0.00
4,177.0	89.10	182.20	2,819.3	-1,629.5	1.4	1,629.5	0.75	-0.67	-0.33
4,207.0	88.90	181.80	2,819.8	-1,659.5	0.3	1,659.5	1.49	-0.67	-1.33
4,236.0	88.70	181.60	2,820.4	-1,688.5	-0.5	1,688.5	0.98	-0.69	-0.69
4,266.0	88.50	182.00	2,821.1	-1,718.5	-1.5	1,718.5	1.49	-0.67	1.33
4,296.0	88.40	182.20	2,821.9	-1,748.4	-2.6	1,748.4	0.75	-0.33	0.67
4,327.0	89.30	180.40	2,822.6	-1,779.4	-3.3	1,779.4	6.49	2.90	-5.81
4,357.0	89.40	180.40	2,822.9	-1,809.4	-3.5	1,809.4	0.33	0.33	0.00
4,387.0	89.40	179.50	2,823.2	-1,839.4	-3.5	1,839.4	3.00	0.00	-3.00
4,418.0	89.20	179.50	2,823.6	-1,870.4	-3.2	1,870.4	0.65	-0.65	0.00
4,477.0	88.70	179.00	2,824.7	-1,929.4	-2.4	1,929.4	1.20	-0.85	-0.85
4,509.0	88.10	179.20	2,825.6	-1,961.4	-1.9	1,961.4	1.98	-1.88	0.63
4,541.0	89.70	179.30	2,826.2	-1,993.4	-1.5	1,993.4	5.01	5.00	0.31
4,572.0	91.00	179.30	2,826.0	-2,024.4	-1.1	2,024.4	4.19	4.19	0.00
4,635.0	91.20	178.60	2,824.8	-2,087.3	0.0	2,087.3	1.16	0.32	-1.11
4,698.0	89.70	179.50	2,824.3	-2,150.3	1.1	2,150.3	2.78	-2.38	1.43
4,761.0	89.30	179.30	2,824.8	-2,213.3	1.7	2,213.3	0.71	-0.63	-0.32
4,825.0	89.30	178.30	2,825.6	-2,277.3	3.1	2,277.3	1.56	0.00	-1.56
4,888.0	88.70	178.60	2,826.7	-2,340.3	4.8	2,340.3	1.06	-0.95	0.48
4,951.0	88.70	178.10	2,828.1	-2,403.2	6.6	2,403.2	0.79	0.00	-0.79
5,015.0	89.30	179.20	2,829.3	-2,467.2	8.1	2,467.2	1.96	0.94	1.72
5,077.0	89.60	181.40	2,829.9	-2,529.2	7.8	2,529.2	3.58	0.48	3.55
5,141.0	91.40	182.00	2,829.3	-2,593.2	5.9	2,593.1	2.96	2.81	0.94
5,204.0	91.40	183.00	2,827.8	-2,656.1	3.1	2,656.1	1.59	0.00	1.59
5,267.0	89.80	182.90	2,827.1	-2,719.0	-0.1	2,719.0	2.54	-2.54	-0.16
5,330.0	89.70	182.90	2,827.4	-2,781.9	-3.3	2,781.9	0.16	-0.16	0.00
5,393.0	89.40	182.90	2,827.9	-2,844.8	-6.5	2,844.8	0.48	-0.48	0.00
5,456.0	89.60	183.40	2,828.4	-2,907.7	-9.9	2,907.7	0.85	0.32	0.79

DDC Survey Report



Company:	Mewbourne Oil Co	Local Co-ordinate Reference:	Well Wyatt Draw North 18/19 LD #1H
Project:	Eddy, New Mexico	TVD Reference:	WELL @ 3420.0usft (Patterson UTI #101)
Site:	Sec 18/19-19S-26E	MD Reference:	WELL @ 3420.0usft (Patterson UTI #101)
Well:	Wyatt Draw North 18/19 LD #1H	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)
5,519.0	90.00	184.40	2,828.6	-2,970.6	-14.2	2,970.6	1.71	0.63	1.59
5,582.0	89.60	180.40	2,828.9	-3,033.5	-16.9	3,033.5	6.38	-0.63	-6.35
5,645.0	90.00	179.30	2,829.1	-3,096.5	-16.7	3,096.5	1.86	0.63	-1.75
5,708.0	89.90	179.00	2,829.1	-3,159.5	-15.8	3,159.5	0.50	-0.16	-0.48
5,771.0	89.50	180.00	2,829.5	-3,222.5	-15.2	3,222.5	1.71	-0.63	1.59
5,834.0	90.90	179.00	2,829.2	-3,285.5	-14.7	3,285.5	2.73	2.22	-1.59
5,897.0	90.70	178.80	2,828.4	-3,348.5	-13.4	3,348.5	0.45	-0.32	-0.32
5,960.0	90.40	178.80	2,827.8	-3,411.5	-12.1	3,411.5	0.48	-0.48	0.00
TD @ 6006' MD / 2827' TVD									
6,006.0	90.40	178.80	2,827.4	-3,457.4	-11.2	3,457.5	0.00	0.00	0.00

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,079.0	2,078.6	-4.8	-34.9	Tie-In to Gyro
2,877.2	2,751.0	-342.6	-20.9	Cross Hard-Line @ 2877' MD
6,006.0	2,827.4	-3,457.4	-11.2	TD @ 6006' MD / 2827' TVD

Checked By: _____ Approved By: _____ Date: _____