

Mewbourne Oil Co

Lea County, NM

Sec 10-18S-31E

Tamano 10 Fed Com #8H

Wellbore #1

Plan: Design #1

DDC Well Planning Report

04 January, 2012

SL: 1737 FSL & 250 FWL

LP: 1743 FSL & 738 FWL

BHL: 1800 FSL & 330 FEL

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Exhibit No. 7

Submitted by:

MEWBOURNE OIL COMPANY

Hearing Date: November 1, 2012

DDC
The DIRECTIONAL DRILLING COMPANY

DDC

Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Tamano 10 Fed Com #8H
Company:	Mewbourne Oil Co	TVD Reference:	WELL @ 3722.0usft (Patterson 47/45)
Project:	Lea County, NM	MD Reference:	WELL @ 3722.0usft (Patterson 47/45)
Site:	Sec 10-18S-31E	North Reference:	Grid
Well:	Tamano 10 Fed Com #8H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project:	Lea County, NM		
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 10-18S-31E											
Site Position:			Northing:			640,304.16 usft			Latitude:			32° 45' 33.885 N					
From:		Map		Easting:			644,094.59 usft			Longitude:			103° 51' 52.567 W				
Position Uncertainty:			0.0 usft			Slot Radius:			13-3/16 "			Grid Convergence:			0.25 °		

Well	Tamano 10 Fed Com #8H					
Well Position	+N/-S	0.0 usft	Northing:	640,304.16 usft	Latitude:	32° 45' 33.885 N
	+E/-W	0.0 usft	Easting:	644,094.59 usft	Longitude:	103° 51' 52.567 W
Position Uncertainty	0.0 usft	Wellhead Elevation:		Ground Level:	3,704.0 usft	

Wellbore:	Wellbore #1		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/4/2012	7.69	60.62	48,849

Design:	Design #1		
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Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	88.84

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
8,014.5	0.00	0.00	8,014.5	0.0	0.0	0.00	0.00	0.00	0.00	
8,765.6	90.14	88.84	8,492.0	9.7	478.5	12.00	12.00	11.83	88.84	
12,976.3	90.14	88.84	8,482.0	94.9	4,688.3	0.00	0.00	0.00	0.00	PBHL Tamano 10 F

DDC

Well Planning Report



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Site:	Sec 10-18S-31E	North Reference:	Grid
Well:	Tamano 10 Fed Com #8H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned 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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00

DDC Well Planning Report



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Project:	Lea County, NM	MD Reference:	WELL @ 3722.0usft (Patterson 47/45)
Site:	Sec.10-18S-31E	North Reference:	Grid
Well:	Tamano 10 Fed Com #8H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned 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)
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
Build 12°/100' @ 8015' MD									
8,014.5	0.00	0.00	8,014.5	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	10.26	88.84	8,099.5	0.2	7.6	7.6	12.00	12.00	0.00
8,200.0	22.26	88.84	8,195.4	0.7	35.6	35.6	12.00	12.00	0.00
8,300.0	34.26	88.84	8,283.3	1.7	82.8	82.8	12.00	12.00	0.00
8,400.0	46.26	88.84	8,359.5	3.0	147.3	147.4	12.00	12.00	0.00
8,500.0	58.26	88.84	8,420.6	4.6	226.2	226.3	12.00	12.00	0.00
8,600.0	70.26	88.84	8,463.9	6.4	316.1	316.2	12.00	12.00	0.00
8,700.0	82.26	88.84	8,487.6	8.4	413.1	413.2	12.00	12.00	0.00
EOB @ 8766' MD / 90.14° Inc / 88.84° Azm / 8492' TVD									
8,765.6	90.14	88.84	8,492.0	9.7	478.5	478.6	12.00	12.00	0.00
8,800.0	90.14	88.84	8,491.9	10.4	512.9	513.0	0.00	0.00	0.00
8,900.0	90.14	88.84	8,491.6	12.4	612.8	613.0	0.00	0.00	0.00
9,000.0	90.14	88.84	8,491.4	14.4	712.8	713.0	0.00	0.00	0.00
9,100.0	90.14	88.84	8,491.2	16.5	812.8	813.0	0.00	0.00	0.00
9,200.0	90.14	88.84	8,490.9	18.5	912.8	913.0	0.00	0.00	0.00
9,300.0	90.14	88.84	8,490.7	20.5	1,012.8	1,013.0	0.00	0.00	0.00
9,400.0	90.14	88.84	8,490.5	22.5	1,112.7	1,113.0	0.00	0.00	0.00
9,500.0	90.14	88.84	8,490.2	24.6	1,212.7	1,213.0	0.00	0.00	0.00
9,600.0	90.14	88.84	8,490.0	26.6	1,312.7	1,313.0	0.00	0.00	0.00
9,700.0	90.14	88.84	8,489.8	28.6	1,412.7	1,413.0	0.00	0.00	0.00
9,800.0	90.14	88.84	8,489.5	30.6	1,512.7	1,513.0	0.00	0.00	0.00
9,900.0	90.14	88.84	8,489.3	32.7	1,612.6	1,613.0	0.00	0.00	0.00
10,000.0	90.14	88.84	8,489.0	34.7	1,712.6	1,713.0	0.00	0.00	0.00
10,100.0	90.14	88.84	8,488.8	36.7	1,812.6	1,813.0	0.00	0.00	0.00
10,200.0	90.14	88.84	8,488.6	38.7	1,912.6	1,913.0	0.00	0.00	0.00

DDC Well Planning Report



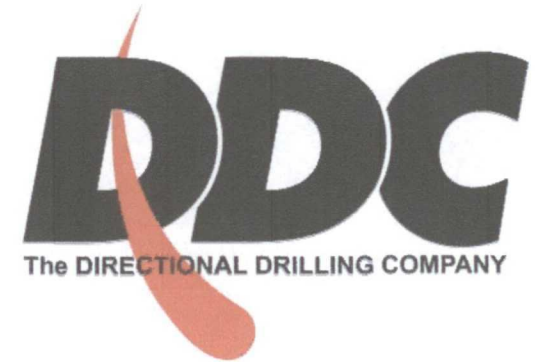
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Wellbore:	Wellbore #1		
Design:	Design #1		

Planned 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)	
10,300.0	90.14	88.84	8,488.3	40.8	2,012.5	2,013.0	0.00	0.00	0.00	
10,400.0	90.14	88.84	8,488.1	42.8	2,112.5	2,113.0	0.00	0.00	0.00	
10,500.0	90.14	88.84	8,487.9	44.8	2,212.5	2,213.0	0.00	0.00	0.00	
10,600.0	90.14	88.84	8,487.6	46.8	2,312.5	2,313.0	0.00	0.00	0.00	
10,700.0	90.14	88.84	8,487.4	48.9	2,412.5	2,413.0	0.00	0.00	0.00	
10,800.0	90.14	88.84	8,487.1	50.9	2,512.4	2,513.0	0.00	0.00	0.00	
10,900.0	90.14	88.84	8,486.9	52.9	2,612.4	2,613.0	0.00	0.00	0.00	
11,000.0	90.14	88.84	8,486.7	54.9	2,712.4	2,713.0	0.00	0.00	0.00	
11,100.0	90.14	88.84	8,486.4	57.0	2,812.4	2,813.0	0.00	0.00	0.00	
11,200.0	90.14	88.84	8,486.2	59.0	2,912.4	2,913.0	0.00	0.00	0.00	
11,300.0	90.14	88.84	8,486.0	61.0	3,012.3	3,013.0	0.00	0.00	0.00	
11,400.0	90.14	88.84	8,485.7	63.0	3,112.3	3,113.0	0.00	0.00	0.00	
11,500.0	90.14	88.84	8,485.5	65.1	3,212.3	3,213.0	0.00	0.00	0.00	
11,600.0	90.14	88.84	8,485.3	67.1	3,312.3	3,313.0	0.00	0.00	0.00	
11,700.0	90.14	88.84	8,485.0	69.1	3,412.3	3,413.0	0.00	0.00	0.00	
11,800.0	90.14	88.84	8,484.8	71.1	3,512.2	3,513.0	0.00	0.00	0.00	
11,900.0	90.14	88.84	8,484.5	73.1	3,612.2	3,613.0	0.00	0.00	0.00	
12,000.0	90.14	88.84	8,484.3	75.2	3,712.2	3,713.0	0.00	0.00	0.00	
12,100.0	90.14	88.84	8,484.1	77.2	3,812.2	3,813.0	0.00	0.00	0.00	
12,200.0	90.14	88.84	8,483.8	79.2	3,912.2	3,913.0	0.00	0.00	0.00	
12,300.0	90.14	88.84	8,483.6	81.2	4,012.1	4,013.0	0.00	0.00	0.00	
12,400.0	90.14	88.84	8,483.4	83.3	4,112.1	4,113.0	0.00	0.00	0.00	
12,500.0	90.14	88.84	8,483.1	85.3	4,212.1	4,213.0	0.00	0.00	0.00	
12,600.0	90.14	88.84	8,482.9	87.3	4,312.1	4,313.0	0.00	0.00	0.00	
12,700.0	90.14	88.84	8,482.7	89.3	4,412.0	4,413.0	0.00	0.00	0.00	
12,800.0	90.14	88.84	8,482.4	91.4	4,512.0	4,513.0	0.00	0.00	0.00	
12,900.0	90.14	88.84	8,482.2	93.4	4,612.0	4,613.0	0.00	0.00	0.00	
TD @ 12976' MD / 8482' TVD										
12,976.3	90.14	88.84	8,482.0	94.9	4,688.3	4,689.3	0.00	0.00	0.00	

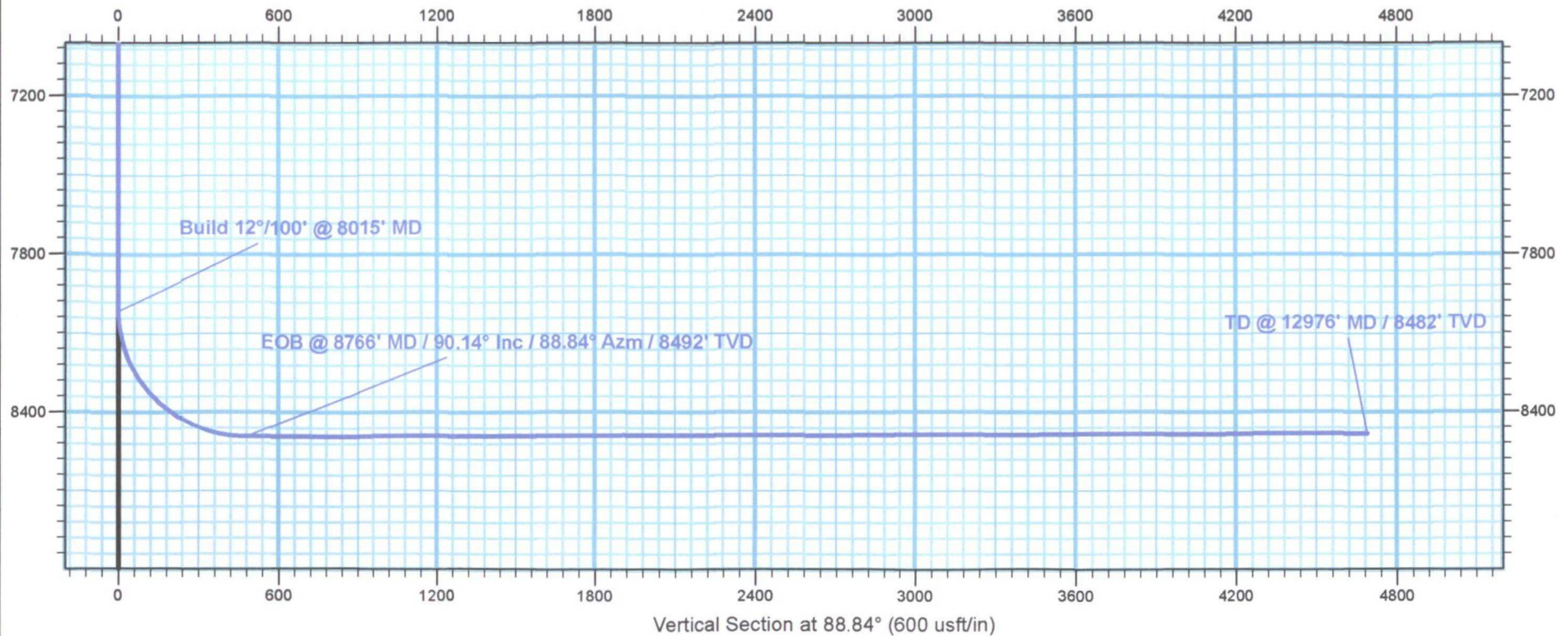
Design Targets									
Target Name	hit/miss target Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude Longitude
PBHL Tamano 10 Fed	- plan hits target center	0.00	0.00	8,482.0	94.9	4,688.3	640,399.10	648,782.90	32° 45' 34.616 N 103° 50' 57.661 W
- Point									

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
+N/-S (usft)	+E/-W (usft)			
8,014.5	8,014.5	0.0	0.0	Build 12"/100' @ 8015' MD
8,765.6	8,492.0	9.7	478.5	EOB @ 8766' MD / 90.14° Inc / 88.84° Azm / 8492' TVD
12,976.3	8,482.0	94.9	4,688.3	TD @ 12976' MD / 8482' TVD

Mewbourne Oil Company



Lea County, NM
Tamano 10 Fed Com #8H
Quote 110671



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Lea County, NM
Tamano 10 Fed Com #8H
Design #1

