

**United States Department of the Interior
Bureau of Land Management
Roswell Field Office
2909 West Second Street
Roswell, New Mexico 88201-1287**

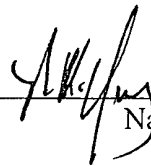
Statement Accepting Responsibility for Operations

Operator Name: Mewbourne Oil Company
Street or Box: P.O. Box 5270
City, State: Hobbs, New Mexico
Zip Code: 88241

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted of the leased land or portion thereof, as described below.

Lease Number: Lease Number #NM-27279 & NM-93478
Legal Description of Land: Section 20, T-18S, R-30E Eddy County, New Mexico.
Location @ 1770' FSL & 220' FWL.
Formation (if applicable): Bone Springs
Bond Coverage: \$150,000
BLM Bond File: NM1693, Nationwide

Authorized Signature: _____



Name: NM (Micky) Young
Title: District Manager
Date: 7/7/11

Drilling Program
Mewbourne Oil Company
Aries "20" Federal Com #3H
1770' FSL & 220' FWL (SHL)
Sec 20-T18S-R30E
Eddy County, New Mexico

1. The estimated tops of geological markers are as follows:

Rustler	250'
Top Salt	420'
Base Salt	1000'
Yates	1375'
*Queen	2425'
Grayburg	2850'
San Andres	3325'
*Bone Springs	4440'

2. Estimated depths of anticipated fresh water, oil, or gas:

Water	Fresh water is anticipated @ 180' and will be protected by setting surface casing at 275' and cementing to surface
Hydrocarbons	Oil and gas are anticipated in the above (*) formations. These zones will be protected by casing as necessary

3. Pressure control equipment:

A 2000# WP Annular will be installed after running 13 3/8" casing. A 3000# WP Double Ram BOP and 3000# WP Annular will be installed after running 7" & 9 5/8" casing. Pressure tests will be conducted prior to drilling out under all casing strings. BOP controls will be installed prior to drilling under surface casing and will remain in use until completion of drilling operations. BOPE will be inspected and operated as recommended in Onshore Order #2. A kelly cock and a sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position when the kelly is not in use. Will test the 7" & 9 5/8" BOPE to 3000# and the Annular to 1500# with a third party testing company before drilling below each shoe, but will test again, if needed, in 30 days from the 1st test as per BLM Onshore Oil and Gas Order #2.

4. MOC proposes to drill a vertical wellbore to 7607' & kick off to horizontal @ 8180' TVD. The well will be drilled to 12669' MD (8235' TVD). See attached directional plan.

5. Proposed casing and cementing program:

A. Casing Program:

<u>Hole Size</u>	<u>Casing</u>	<u>Wt/Ft</u>	<u>Grade</u>	<u>Depth</u>	<u>Jt Type</u>
17 1/2"	13 3/8" (new)	48#	H40	0'-275'	ST&C
12 1/4"	9 5/8" (new)	36#	J55	0'-1475'	LT&C
8 3/4"	7" (new)	26#	P110	0'-7600' MD	LT&C
8 3/4"	7" (new)	26#	P110	7600'-8500' MD	BT&C
6 1/8"	4 1/2" (new)	11 6#	P110	8300'-12669' MD	LT&C

Minimum casing design factors: Collapse 1.125, Burst 1.0, Tensile strength 1.8

*Subject to availability of casing

B Cementing Program:

- i. Surface Casing: 285 sks Class "C" cement w/2% CaCl. Yield @ 1.34 cuft/sk. Cmt circulated to surface w/100% excess
- ii. Intermediate Casing: 160 sacks Class "C" (35:65:4) light cement w/ salt & LCM additives Yield @ 2.12 cuft/sk. 200 sacks Class "C" cement w/2% CaCl₂. Yield at 1.18 cuft/sk. Cmt circulated to surface w/25% excess.
- iii. Production Casing: 515 sacks Class "H" (35:65:4) light cement w/ salt & LCM additives. Yield @ 2.12 cuft/sk. 400 sacks Class "H" cement. Yield @ 1.18 cuft/sk. Cmt circulated to surface w/25% excess This casing string will provide lease line isolation.
- iv. Production Liner: This will be a Packer/Port completion from TD up inside 7" casing with packer type liner hanger

*Referring to above blends of light cement (wt% fly ash wt% cement wt% bentonite of the total of first two numbers) Generic names of additives are used since the availability of specific company and products are unknown at this time

6. Mud Program:

Interval	Type System	Weight	Viscosity	Fluid Loss
0' - 275'	FW spud mud	8.6-9.0	32-34	NA
275' - 1475'	Brine water	10.0-10.2	28-30	NA
1475' - 7600' (KOP)	FW	8.5-8.7	28-30	NA
7600' - TD	FW w/polymer	8.5-8.7	32-35	15

7. Evaluation Program:

Samples	10' samples from surface casing to TD
Logging	CN, GR & Gyro from KOP -100' (7500') to surface GR from 7500' to TD

8. Downhole Conditions

Zones of abnormal pressure	None anticipated
Zones of lost circulation	Anticipated in surface and intermediate holes
Maximum bottom hole temperature:	120 degree F
Maximum bottom hole pressure.	8.3 lbs/gal gradient or less

9. Anticipated Starting Date:

Mewbourne Oil Company intends to drill this well as soon as possible after receiving approval with approximately 40 days involved in drilling operations and an additional 10 days involved in completion operations on the project

Mewbourne Oil Co

Eddy County, New Mexico

Sec 20-18S-30E

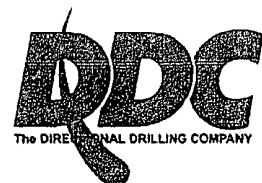
Aries 20 Fed Com #3H

Wellbore #1

Plan: Design #1

DDC Well Planning Report

09 June, 2011



DDC

Well Planning Report



Database: EDM 5000.1 Single User Db
Company: Mewbourne Oil Co
Project: Eddy County, New Mexico
Site: Sec 20-18S-30E
Well: Aries 20 Fed Com #3H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well Aries 20 Fed Com #3H
TVD Reference: WELL @ 3490.0usft (Patterson UTI #45/47)
MD Reference: WELL @ 3490.0usft (Patterson UTI #45/47)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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 20-18S-30E
Site Position: **Northing:** 631,082.30 usft **Latitude:** 32° 44' 4 205 N
From: Map **Easting:** 602,014.20 usft **Longitude:** 104° 0' 5 683 W
Position Uncertainty: 0 0 usft **Slot Radius:** 13-3/16 " **Grid Convergence:** 0 18 °

Well: Aries 20 Fed Com #3H
Well Position **+N/-S** -1,456.4 usft **Northing:** 629,625.93 usft **Latitude:** 32° 43' 49 793 N
+E/-W 24.1 usft **Easting:** 602,038.25 usft **Longitude:** 104° 0' 5 455 W
Position Uncertainty 0.0 usft **Wellhead Elevation:** **Ground Level:** 3,472.0 usft

Wellbore: Wellbore #1
Magnetics: **Model Name** **Sample Date** **Declination** **Dip Angle** **Field Strength**
 (°) (°) (nT)
 IGRF2010 6/9/2011 7 82 60 58 48,875

Design: Design #1

Audit Notes:

Version: **Phase:** PLAN **Tie On Depth:** 0 0
Vertical Section: **Depth From (TVD)** **+N/-S** **+E/-W** **Direction**
 (usft) (usft) (usft) (°)
 0 0 0 0 87 39

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	
7,607.1	0 00	0 00	7,607.1	0 0	0 0	0 00	0 00	0 00	0 00	
8,499.5	89 24	87 39	8,180.0	25.7	564.8	10.00	10.00	9.79	87 39	
12,668.7	89 24	87 39	8,235.0	215.3	4,729.3	0 00	0 00	0 00	0 00	PBHL Aries 20 Fed

DDC

Well Planning Report



Database: EDM 5000.1 Single User Db
 Company: Mewbourne Oil Co
 Project: Eddy County, New Mexico
 Site: Sec 20-18S-30E
 Well: Aries 20 Fed Com #3H
 Wellbore: Wellbore #1
 Design: Design #1

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:

Well Aries 20 Fed Com #3H
 WELL @ 3490 0usft (Patterson UTI #45/47)
 WELL @ 3490 0usft (Patterson UTI #45/47)
 Gnd
 Minimum Curvature

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



Database: EDM 5000.1 Single User Db
 Company: Mewbourne Oil Co
 Project: Eddy County, New Mexico
 Site: Sec 20-18S-30E
 Well: Aries 20 Fed Com #3H
 Wellbore: Wellbore #1
 Design: Design #1

Local Co-ordinate Reference: Well Aries 20 Fed Com #3H
 TVD Reference: WELL @ 3490.0usft (Patterson UTI #45/47)
 MD Reference: WELL @ 3490.0usft (Patterson UTI #45/47)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

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
Build 10°/100' @ 7607' MD									
7,607.1	0.00	0.00	7,607.1	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	9.29	87.39	7,699.6	0.3	7.5	7.5	10.00	10.00	0.00
7,800.0	19.29	87.39	7,796.4	1.5	32.1	32.2	10.00	10.00	0.00
7,900.0	29.29	87.39	7,887.4	3.3	73.2	73.2	10.00	10.00	0.00
8,000.0	39.29	87.39	7,969.9	5.9	129.4	129.5	10.00	10.00	0.00
8,100.0	49.29	87.39	8,041.4	9.1	199.1	199.3	10.00	10.00	0.00
8,200.0	59.29	87.39	8,099.7	12.7	280.1	280.4	10.00	10.00	0.00
8,300.0	69.29	87.39	8,143.0	16.8	370.0	370.3	10.00	10.00	0.00
8,400.0	79.29	87.39	8,170.1	21.2	466.0	466.5	10.00	10.00	0.00
EOB @ 8500' MD / 89.24° Inc / 87.39° Azm / 8180' TVD									
8,499.5	89.24	87.39	8,180.0	25.7	564.8	565.4	10.00	10.00	0.00
8,500.0	89.24	87.39	8,180.0	25.7	565.3	565.9	0.00	0.00	0.00
8,600.0	89.24	87.39	8,181.3	30.3	665.2	665.8	0.00	0.00	0.00
8,700.0	89.24	87.39	8,182.7	34.8	765.0	765.8	0.00	0.00	0.00
8,800.0	89.24	87.39	8,184.0	39.4	864.9	865.8	0.00	0.00	0.00
8,900.0	89.24	87.39	8,185.3	43.9	964.8	965.8	0.00	0.00	0.00
9,000.0	89.24	87.39	8,186.6	48.5	1,064.7	1,065.8	0.00	0.00	0.00
9,100.0	89.24	87.39	8,187.9	53.0	1,164.6	1,165.8	0.00	0.00	0.00
9,200.0	89.24	87.39	8,189.2	57.6	1,264.5	1,265.8	0.00	0.00	0.00
9,300.0	89.24	87.39	8,190.6	62.1	1,364.4	1,365.8	0.00	0.00	0.00
9,400.0	89.24	87.39	8,191.9	66.7	1,464.3	1,465.8	0.00	0.00	0.00
9,500.0	89.24	87.39	8,193.2	71.2	1,564.2	1,565.8	0.00	0.00	0.00
9,600.0	89.24	87.39	8,194.5	75.7	1,664.0	1,665.8	0.00	0.00	0.00
9,700.0	89.24	87.39	8,195.8	80.3	1,763.9	1,765.8	0.00	0.00	0.00
9,800.0	89.24	87.39	8,197.2	84.8	1,863.8	1,865.7	0.00	0.00	0.00
9,900.0	89.24	87.39	8,198.5	89.4	1,963.7	1,965.7	0.00	0.00	0.00
10,000.0	89.24	87.39	8,199.8	93.9	2,063.6	2,065.7	0.00	0.00	0.00
10,100.0	89.24	87.39	8,201.1	98.5	2,163.5	2,165.7	0.00	0.00	0.00
10,200.0	89.24	87.39	8,202.4	103.0	2,263.4	2,265.7	0.00	0.00	0.00

DDC

Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Aries 20 Fed Com #3H
Company:	Mewbourne Oil Co	TVD Reference:	WELL @ 3490.0usft (Patterson UTI #45/47)
Project:	Eddy County, New Mexico	MD Reference:	WELL @ 3490.0usft (Patterson UTI #45/47)
Site:	Sec 20-18S-30E	North Reference:	Grid
Well:	Aries 20 Fed Com #3H	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)	
10,300.0	89.24	87.39	8,203.8	107.6	2,363.3	2,365.7	0.00	0.00	0.00	
10,400.0	89.24	87.39	8,205.1	112.1	2,463.1	2,465.7	0.00	0.00	0.00	
10,500.0	89.24	87.39	8,206.4	116.7	2,563.0	2,565.7	0.00	0.00	0.00	
10,600.0	89.24	87.39	8,207.7	121.2	2,662.9	2,665.7	0.00	0.00	0.00	
10,700.0	89.24	87.39	8,209.0	125.8	2,762.8	2,765.7	0.00	0.00	0.00	
10,800.0	89.24	87.39	8,210.4	130.3	2,862.7	2,865.7	0.00	0.00	0.00	
10,900.0	89.24	87.39	8,211.7	134.9	2,962.6	2,965.6	0.00	0.00	0.00	
11,000.0	89.24	87.39	8,213.0	139.4	3,062.5	3,065.6	0.00	0.00	0.00	
11,100.0	89.24	87.39	8,214.3	144.0	3,162.4	3,165.6	0.00	0.00	0.00	
11,200.0	89.24	87.39	8,215.6	148.5	3,262.2	3,265.6	0.00	0.00	0.00	
11,300.0	89.24	87.39	8,216.9	153.0	3,362.1	3,365.6	0.00	0.00	0.00	
11,400.0	89.24	87.39	8,218.3	157.6	3,462.0	3,465.6	0.00	0.00	0.00	
11,500.0	89.24	87.39	8,219.6	162.1	3,561.9	3,565.6	0.00	0.00	0.00	
11,600.0	89.24	87.39	8,220.9	166.7	3,661.8	3,665.6	0.00	0.00	0.00	
11,700.0	89.24	87.39	8,222.2	171.2	3,761.7	3,765.6	0.00	0.00	0.00	
11,800.0	89.24	87.39	8,223.5	175.8	3,861.6	3,865.6	0.00	0.00	0.00	
11,900.0	89.24	87.39	8,224.9	180.3	3,961.5	3,965.6	0.00	0.00	0.00	
12,000.0	89.24	87.39	8,226.2	184.9	4,061.3	4,065.6	0.00	0.00	0.00	
12,100.0	89.24	87.39	8,227.5	189.4	4,161.2	4,165.5	0.00	0.00	0.00	
12,200.0	89.24	87.39	8,228.8	194.0	4,261.1	4,265.5	0.00	0.00	0.00	
12,300.0	89.24	87.39	8,230.1	198.5	4,361.0	4,365.5	0.00	0.00	0.00	
12,400.0	89.24	87.39	8,231.5	203.1	4,460.9	4,465.5	0.00	0.00	0.00	
12,500.0	89.24	87.39	8,232.8	207.6	4,560.8	4,565.5	0.00	0.00	0.00	
12,600.0	89.24	87.39	8,234.1	212.2	4,660.7	4,665.5	0.00	0.00	0.00	
TD @ 12669' MD / 8235' TVD										
12,668.7	89.24	87.39	8,235.0	215.3	4,729.3	4,734.1	0.00	0.00	0.00	

Design Targets										
Target Name	hit/miss	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL Aries 20 Fed C		0.00	0.00	8,235.0	215.3	4,729.3	629,841.20	606,767.50	32° 43' 51.774 N	103° 59' 10.083 W
- plan hits target center										
- Point										

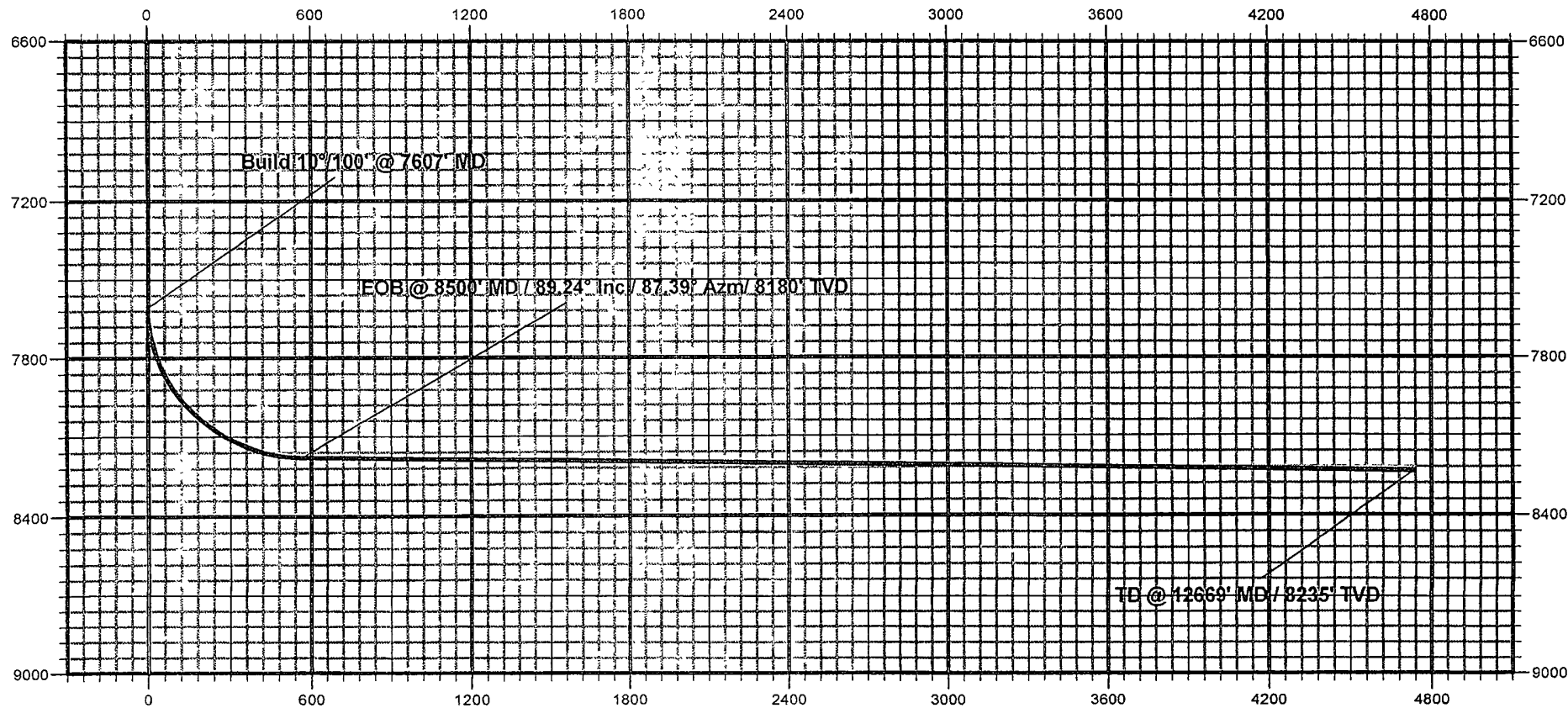
Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
7,607.1	7,607.1	0.0	0.0	Build 10°/100' @ 7607' MD	
8,499.5	8,180.0	25.7	564.8	EOB @ 8500' MD / 89.24° Inc / 87.39° Azm/ 8180' TVD	
12,668.7	8,235.0	215.3	4,729.3	TD @ 12669' MD / 8235' TVD	

Mewbourne Oil Company

Eddy County, New Mexico

Aries 20 Fed Com #3H

Quote 110421



Vertical Section at 87.39° (600 usft/in)

Mewbourne Oil Company



Eddy County, New Mexico

Aries 20 Fed Com #3H

Quote 110421

