

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
LO-6425-0000 (SL) NMNM107384 (BHL)
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator **Mewbourne Oil Company**

3a. Address **PO Box 5270
Hobbs, NM 88240**

3b. Phone No. (include area code)
575-393-5905

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1700' FSL & 350' FEL, Sec 30, T24S, R29E Unit Letter I

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.
Ruby State Com #2H

9. API Well No.
30-015-40287

10. Field and Pool or Exploratory Area

11. Country or Parish, State
Eddy

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other <u>Change name, casing design & Producing zone</u>
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Mewbourne Oil Company has an approved APD for the above captioned well. After further review, we would like to make the following changes:

We would like to change the well name to Malaga "30" Federal Com #1H.

**SUBJECT TO LIKE
APPROVAL BY STATE**

Change producing zone to Wolfcamp. (Formation top @ 9705' TVD)

Change Bottom Hole Location to 1650' FSL & 660' FWL, Unit L, Sec 30, T24S, R29E.

Change TD to 14728' MD (10637' TVD). *New Direction Plan Attached.*

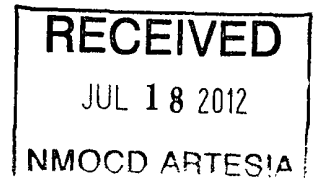
Change Casing Program as follows:

Surface: 17 1/2" hole size, 13 3/4" H40 casing, casing wt 48#, setting depth @ 380', 400 sks cmt.

Intermediate: 12 1/4" hole size, 9 5/8" J55 casing, casing wt 36#, setting depth 2700', 700 sks cmt

Prod csg 8 3/4" hole size, 7" P110 casing, casing wt 26#, setting depth @ 11074' MD (10730' TVD), 1200 sks cmt. Est TOC @ 2500'.

Liner 6 1/8" hole size, 4 1/2" casing, casing wt 13.5#, Setting depth 10874' MD to TD. This will be a packer port completion.



14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Jackie Lathan

Title Hobbs Regulatory

Signature

Date 07/03/2012

Accepted for record

NMOC D

CR Date 8/3/12

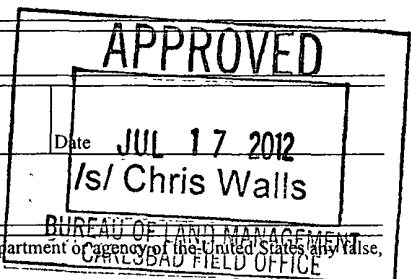
THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.



Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1253 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6173 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-10287	² Pool Code	³ Pool Name Wildcat Wolf Camp
⁴ Property Code	⁵ Property Name Minga 30 Federal Com	⁶ Well Number 1H
⁷ OGRID No. 14744	⁸ Operator Name MEWBOURNE OIL CO.	⁹ Elevation 2942.5

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
I	30	24 S	29 E		1700	SOUTH	350	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
L	30	24 S	29 E		1650	SOUTH	660	WEST	EDDY

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division Signature: <i>N. M. Young</i> Date: 6/30/12 Printed Name: N. M. Young E-mail Address:
	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. JULY 2, 2012 Date of Survey Signature and Seal of Professional Surveyor: <i>Frank J. Jaramila</i> Certificate Number: FRANK J. JARAMILA PLS 12797 NEW MEXICO LAND SURVEYOR NO. 517G

Mewbourne Oil Co

Eddy County, New Mexico

Sec 30, T24S, R29E

Malaga 30 Fed Com #1H

Wellbore #1

Plan: Design #1

DDC Well Planning Report

15 June, 2012



DDC Well Planning Report



Database:	EDM 5000 1 Single User Db	Local Co-ordinate Reference:	Well Malaga 30 Fed Com #1H
Company:	Mewbourne Oil Co	TVD Reference:	WELL @ 2962.0usft (Patterson #75)
Project:	Eddy County, New Mexico	MD Reference:	WELL @ 2962.0usft (Patterson #75)
Site:	Sec 30, T24S, R29E	North Reference:	Grid
Well:	Malaga 30 Fed Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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 30, T24S, R29E		
Site Position:		Northing:	431,477.97 usft
From:	Map	Easting:	639,417.95 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"
		Latitude:	32° 11' 7.610 N
		Longitude:	103° 52' 57.659 W
		Grid Convergence:	0.24°

Well	Malaga 30 Fed Com #1H		
Well Position	+N/-S	0.0 usft	Northing: 431,477.97 usft
	+E/-W	0.0 usft	Easting: 639,417.95 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Latitude: 32° 11' 7.610 N
			Longitude: 103° 52' 57.659 W
			Ground Level: 2,942.0 usft

Wellbore	Wellbore #1		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/15/2012	7.60	60.07	48,462

Design	Design #1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction (°)
			269.17

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	
10,159.2	0.00	0.00	10,159.2	0.0	0.0	0.00	0.00	0.00	0.00	
11,074.0	91.48	269.17	10,732.0	-8.5	-587.7	10.00	10.00	-9.93	269.17	
14,747.5	91.48	269.17	10,637.0	-61.7	-4,259.6	0.00	0.00	0.00	0.00	PBHL Malaga 30 F

DDC
Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Malaga 30 Fed Com #1H
Company:	Mewbourne Oil Co	TVD Reference:	WELL @ 2962.0usft (Patterson #75)
Project:	Eddy County, New Mexico	MD Reference:	WELL @ 2962.0usft (Patterson #75)
Site:	Sec 30; T24S, R29E	North Reference:	Grid
Well:	Malaga 30 Fed Com #1H	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



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Malaga 30 Fed Com #1H
Company:	Mewbourne Oil Co	TVD Reference:	WELL @ 2962.0usft (Patterson #75)
Project:	Eddy County, New Mexico	MD Reference:	WELL @ 2962.0usft (Patterson #75)
Site:	Sec 30, T24S, R29E	North Reference:	Grid
Well:	Malaga 30 Fed Com #1H	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	
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,000.0	0.00	0.00	10,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,100.0	0.00	0.00	10,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
Build.10°/100' @ 10159' MD										
10,159.2	0.00	0.00	10,159.2	0.0	0.0	0.0	0.00	0.00	0.00	
10,200.0	4.08	269.17	10,200.0	0.0	-1.5	1.5	10.00	10.00	0.00	
10,300.0	14.08	269.17	10,298.6	-0.2	-17.2	17.2	10.00	10.00	0.00	
10,400.0	24.08	269.17	10,393.0	-0.7	-49.9	49.9	10.00	10.00	0.00	

DDC
Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Malaga 30 Fed Com #1H
Company:	Mewbourne Oil Co	TVD Reference:	WELL @ 2962.0usft (Patterson #75)
Project:	Eddy County, New Mexico	MD Reference:	WELL @ 2962.0usft (Patterson #75)
Site:	Sec 30, T24S, R29E	North Reference:	Grid
Well:	Malaga 30 Fed Com #1H	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)
10,500.0	34.08	269.17	10,480.3	-1.4	-98.4	98.4	10.00	10.00	0.00
10,600.0	44.08	269.17	10,557.8	-2.3	-161.3	161.4	10.00	10.00	0.00
10,700.0	54.08	269.17	10,623.2	-3.4	-236.8	236.8	10.00	10.00	0.00
10,800.0	64.08	269.17	10,674.5	-4.7	-322.5	322.5	10.00	10.00	0.00
10,900.0	74.08	269.17	10,710.2	-6.0	-415.8	415.8	10.00	10.00	0.00
11,000.0	84.08	269.17	10,729.1	-7.4	-513.8	513.9	10.00	10.00	0.00
EOB @ 11074' MD / 91.48° Inc / 269.17° Azm / 10732' TVD									
11,074.0	91.48	269.17	10,732.0	-8.5	-587.7	587.8	10.00	10.00	0.00
11,100.0	91.48	269.17	10,731.3	-8.9	-613.7	613.7	0.00	0.00	0.00
11,200.0	91.48	269.17	10,728.7	-10.3	-713.6	713.7	0.00	0.00	0.00
11,300.0	91.48	269.17	10,726.1	-11.8	-813.6	813.7	0.00	0.00	0.00
11,400.0	91.48	269.17	10,723.5	-13.2	-913.6	913.6	0.00	0.00	0.00
11,500.0	91.48	269.17	10,721.0	-14.7	-1,013.5	1,013.6	0.00	0.00	0.00
11,600.0	91.48	269.17	10,718.4	-16.1	-1,113.5	1,113.6	0.00	0.00	0.00
11,700.0	91.48	269.17	10,715.8	-17.6	-1,213.4	1,213.5	0.00	0.00	0.00
11,800.0	91.48	269.17	10,713.2	-19.0	-1,313.4	1,313.5	0.00	0.00	0.00
11,900.0	91.48	269.17	10,710.6	-20.5	-1,413.3	1,413.5	0.00	0.00	0.00
12,000.0	91.48	269.17	10,708.0	-21.9	-1,513.3	1,513.4	0.00	0.00	0.00
12,100.0	91.48	269.17	10,705.4	-23.4	-1,613.2	1,613.4	0.00	0.00	0.00
12,200.0	91.48	269.17	10,702.9	-24.8	-1,713.2	1,713.4	0.00	0.00	0.00
12,300.0	91.48	269.17	10,700.3	-26.3	-1,813.2	1,813.3	0.00	0.00	0.00
12,400.0	91.48	269.17	10,697.7	-27.7	-1,913.1	1,913.3	0.00	0.00	0.00
12,500.0	91.48	269.17	10,695.1	-29.1	-2,013.1	2,013.3	0.00	0.00	0.00
12,600.0	91.48	269.17	10,692.5	-30.6	-2,113.0	2,113.2	0.00	0.00	0.00
12,700.0	91.48	269.17	10,689.9	-32.0	-2,213.0	2,213.2	0.00	0.00	0.00
12,800.0	91.48	269.17	10,687.3	-33.5	-2,312.9	2,313.2	0.00	0.00	0.00
12,900.0	91.48	269.17	10,684.8	-34.9	-2,412.9	2,413.1	0.00	0.00	0.00
13,000.0	91.48	269.17	10,682.2	-36.4	-2,512.8	2,513.1	0.00	0.00	0.00
13,100.0	91.48	269.17	10,679.6	-37.8	-2,612.8	2,613.1	0.00	0.00	0.00
13,200.0	91.48	269.17	10,677.0	-39.3	-2,712.8	2,713.0	0.00	0.00	0.00
13,300.0	91.48	269.17	10,674.4	-40.7	-2,812.7	2,813.0	0.00	0.00	0.00
13,400.0	91.48	269.17	10,671.8	-42.2	-2,912.7	2,913.0	0.00	0.00	0.00
13,500.0	91.48	269.17	10,669.3	-43.6	-3,012.6	3,012.9	0.00	0.00	0.00
13,600.0	91.48	269.17	10,666.7	-45.1	-3,112.6	3,112.9	0.00	0.00	0.00
13,700.0	91.48	269.17	10,664.1	-46.5	-3,212.5	3,212.9	0.00	0.00	0.00
13,800.0	91.48	269.17	10,661.5	-48.0	-3,312.5	3,312.8	0.00	0.00	0.00
13,900.0	91.48	269.17	10,658.9	-49.4	-3,412.5	3,412.8	0.00	0.00	0.00
14,000.0	91.48	269.17	10,656.3	-50.9	-3,512.4	3,512.8	0.00	0.00	0.00
14,100.0	91.48	269.17	10,653.7	-52.3	-3,612.4	3,612.7	0.00	0.00	0.00
14,200.0	91.48	269.17	10,651.2	-53.7	-3,712.3	3,712.7	0.00	0.00	0.00
14,300.0	91.48	269.17	10,648.6	-55.2	-3,812.3	3,812.7	0.00	0.00	0.00
14,400.0	91.48	269.17	10,646.0	-56.6	-3,912.2	3,912.6	0.00	0.00	0.00
14,500.0	91.48	269.17	10,643.4	-58.1	-4,012.2	4,012.6	0.00	0.00	0.00
14,600.0	91.48	269.17	10,640.8	-59.5	-4,112.1	4,112.6	0.00	0.00	0.00
14,700.0	91.48	269.17	10,638.2	-61.0	-4,212.1	4,212.5	0.00	0.00	0.00
TD @ 14748' MD / 10637' TVD									
14,747.5	91.48	269.17	10,637.0	-61.7	-4,259.6	4,260.1	0.00	0.00	0.00

DDC
Well Planning Report



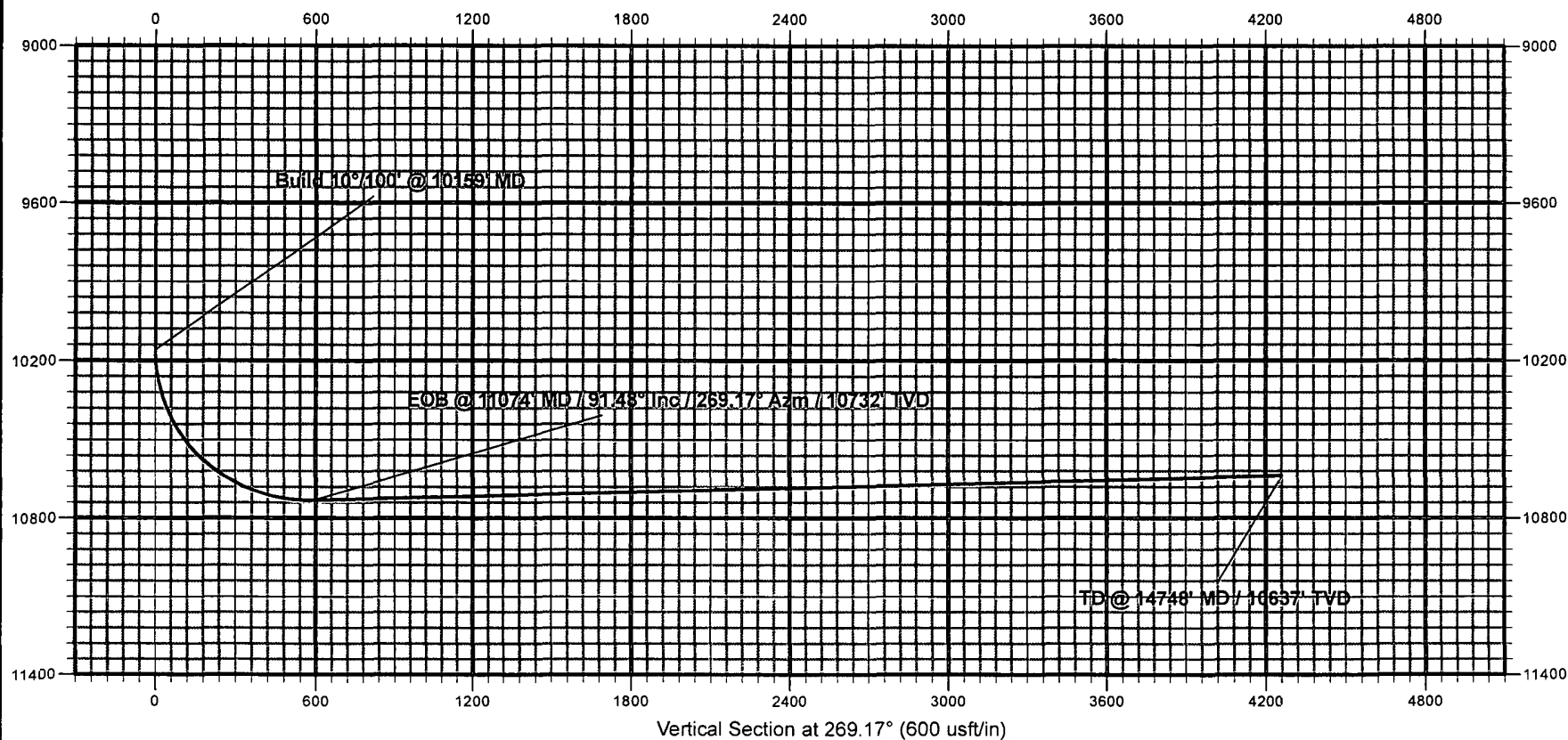
Database:	EDM 5000.1 Single-User Db	Local Co-ordinate Reference:	Well Malaga 30 Fed Com #1H
Company:	Mewbourne Oil Co	TVD Reference:	WELL @ 2962.0usft (Patterson #75)
Project:	Eddy County, New Mexico	MD Reference:	WELL @ 2962.0usft (Patterson #75)
Site:	Sec 30, T24S, R29E	North Reference:	Grid
Well:	Malaga 30 Fed Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Design Targets									
Target Name	hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N-S (usft)	+E-W (usft)	Northing (usft)	Easting (usft)	Latitude Longitude
PBHL Malaga 30 Fed	- plan hits target center	0.00	0.00	10,637.0	-61.7	-4,259.6	431,416.30	635,158.34	32° 11' 7.173 N 103° 53' 47.227 W
	- Point								

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N-S (usft)	+E-W (usft)		
10,159.2	10,159.2	0.0	0.0	Build 10°/100' @ 10159' MD	
11,074.0	10,732.0	-8.5	-587.7	EOB @ 11074' MD / 91.48° Inc / 269.17° Azm / 10732' TVD	
14,747.5	10,637.0	-61.7	-4,259.6	TD @ 14748' MD / 10637' TVD	

Mewbourne Oil Company

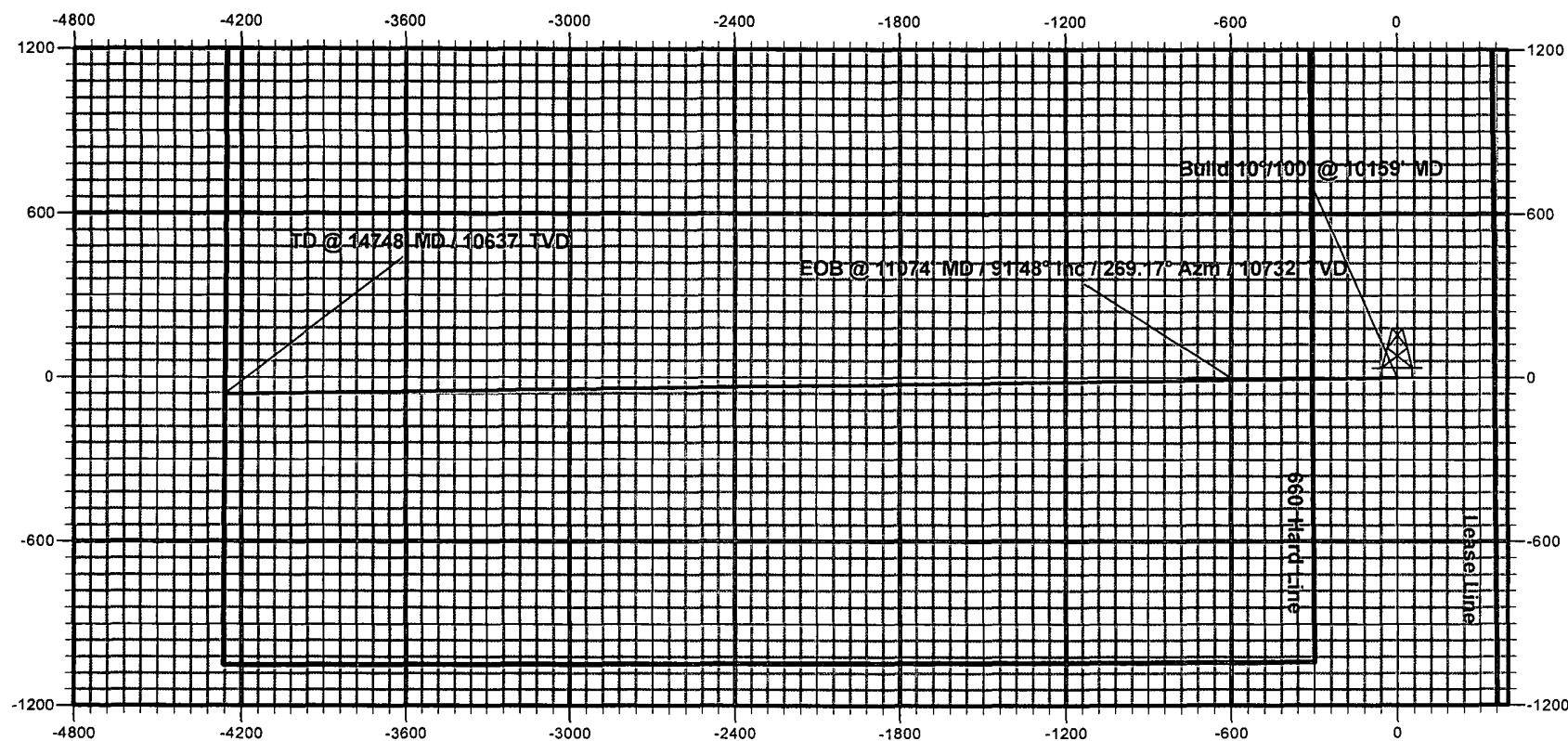
Eddy County, New Mexico
Malaga 30 Fed Com #1H
Quote 120465



Mewbourne Oil Company



Eddy County, New Mexico
Malaga 30 Fed Com #1H
Quote 120465



Mewbourne Oil Company
Malaga "30" Fed Com #1H
1700' FSL & 350' FEL (SHL)
Sec 30-T24S-R29E
Eddy County, New Mexico

Change well name to **Malaga "30" Federal Com #1H.**
Change producing zone to **Wolfcamp. (Formation top @ 9705' TVD)**
Change Bottom Hole Location to **1650' FSL & 660' FWL, Unit L, Sec 30, T24S, R29E.**
Change TD to **14728' MD (10637' TVD).**

Pressure control equipment:

A 2000# WP Annular will be installed after running 13 3/8" casing. A 5000# WP Double Ram BOP and 5000# 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 5000# and all annulars to 2500# 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

Proposed casing and cementing program:

Surface: 17 1/2" hole size, 13 3/8" H40 ST&C casing, casing wt 48#, setting depth @ 380', 400 sks Class C cmt (yld @ 1.34 cuft/sk @ 14.8 PPG).

Intermediate: 12 1/4" hole size, 9 5/8" J55 LT&C casing, casing wt 36#, setting depth 2700', Lead cmt 550 sks (35:65:4) Class C (yld @ 2.16 cuft/sk @ 12.6 PPG). Tail cmt 200 sks Class C cmt (yld @ 1.34 cuft/sk @ 14.8 PPG).

Prod csg 8 3/4" hole size, 7" P110 casing, casing wt 26#, setting depth @ 11074' MD (10730' TVD), Est TOC @ 2500'. Lead cmt 700 sks (35:65:4) Class H (yld @ 1.19 cuft/sk @ 15.6 PPG). Tail cmt 400 sks Class H (yld @ 2.12 cuft/sk @ 12.5 PPG).

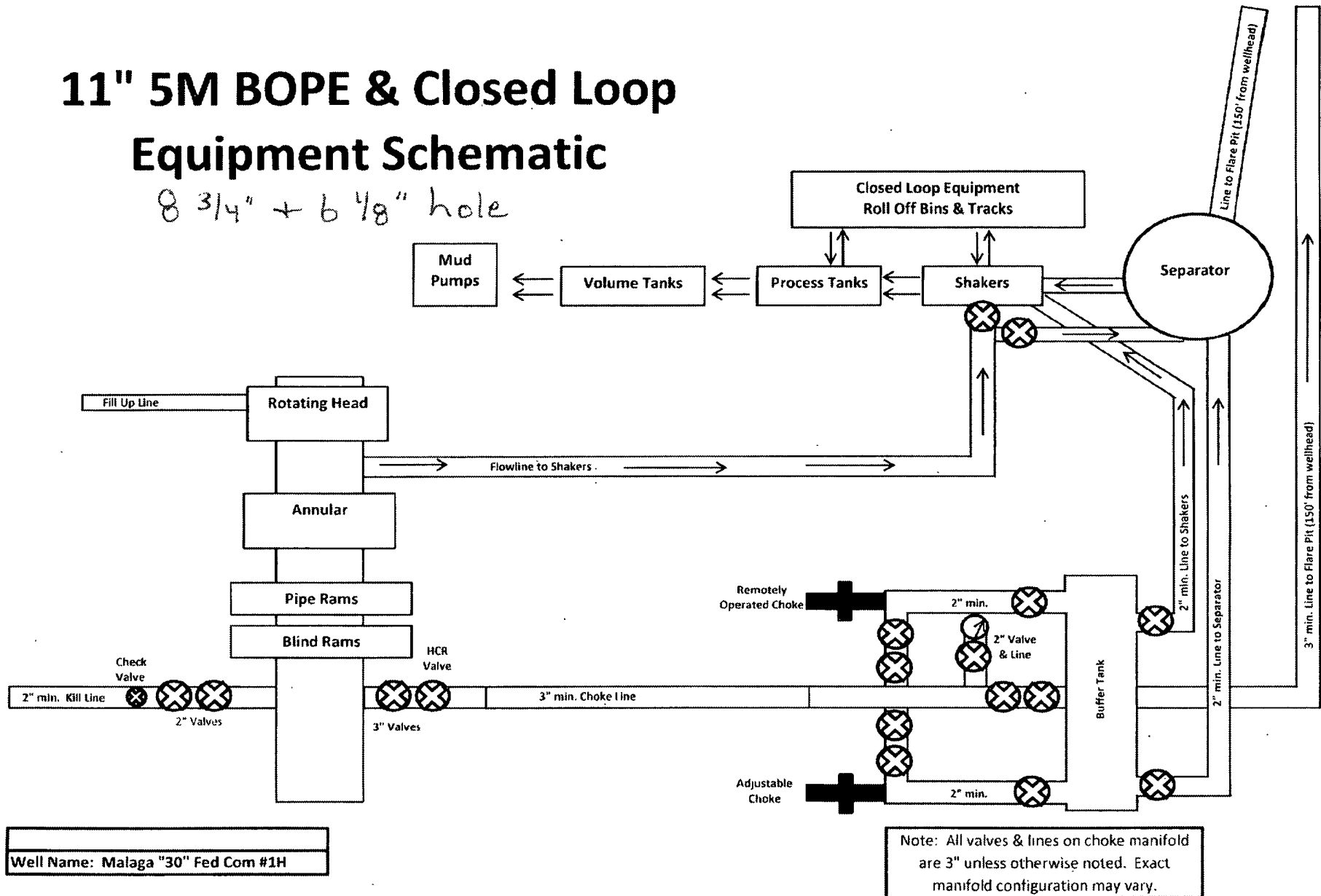
Liner 6 1/2" hole size, 4 1/2" P110 LT&C casing, casing wt 13.5#. Setting depth 10874' MD (10700' TVD).
This will be a packer port completion 10874 - 14748

Mud Program:

<u>Interval</u>	<u>Type System</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0'-380'	FW spud mud	8.4-8.6	28-30	NA
380'-2700'	Brine water	10.0-10.2	28-30	NA
2700'-10100'	FW	8.6-9.0	28-30	NA
10100'-TD	FW w/Polymer	8.6-9.0	32-35	15

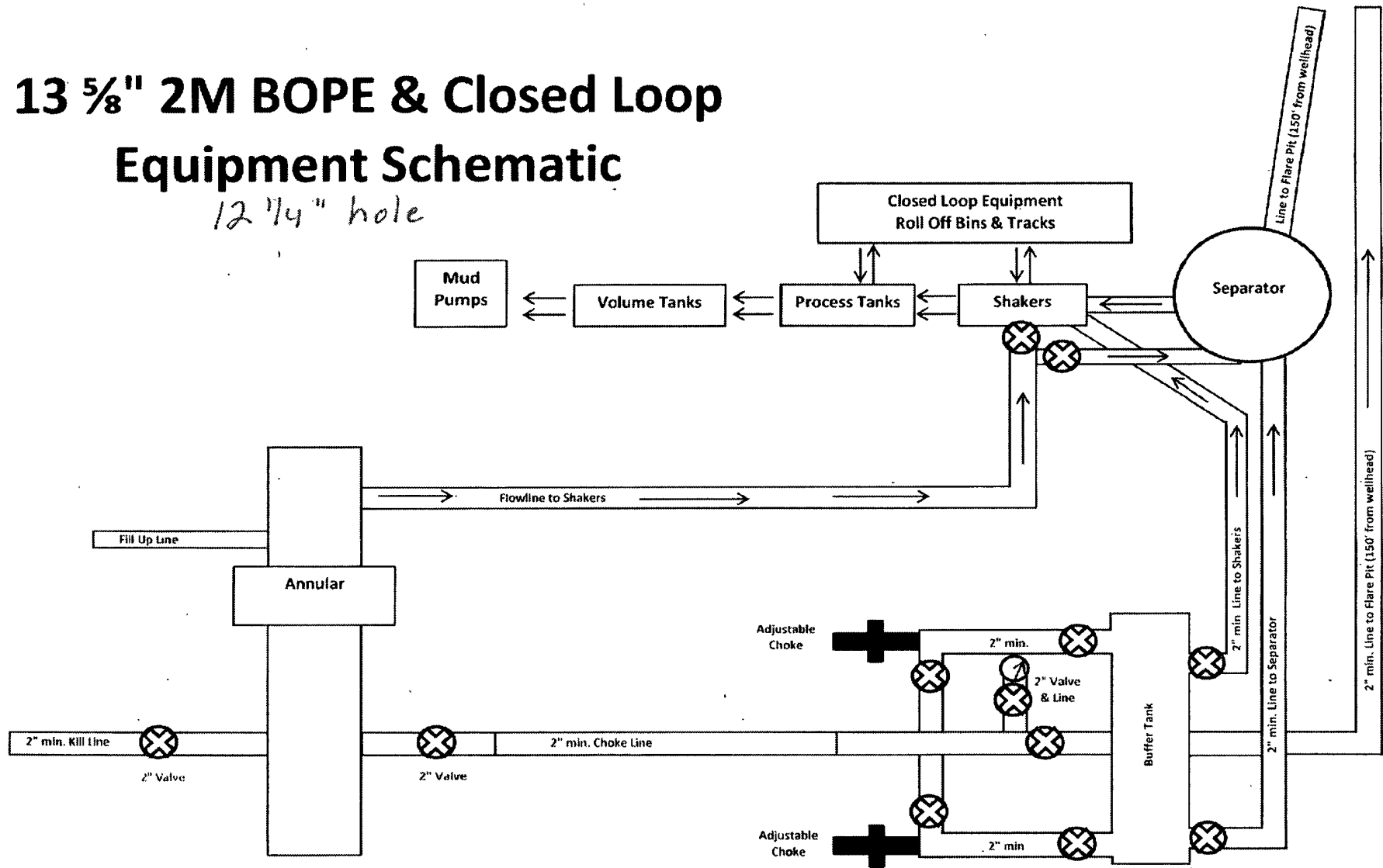
11" 5M BOPE & Closed Loop Equipment Schematic

8 3/4" + 6 7/8" hole



13 5/8" 2M BOPE & Closed Loop Equipment Schematic

12 1/4" hole



Well Name: Malaga "30" Fed Com #1H