

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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.**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM56428
2. Name of Operator MEWBOURNE OIL COMPANY		6. If Indian, Allottee or Tribe Name
Contact: JACKIE LATHAN E-Mail: jlathan@mewbourne.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address P O BOX 5270 HOBBS, NM 88241	3b. Phone No. (include area code) Ph: 575-393-5905	8. Well Name and No. PAVO FRIO 29/28 B3OP FED COM 2H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 29 T18S R29E SESW 850FSL 2435FWL 32.713512 N Lat, 104.097580 W Lon		9. API Well No. 30-015-45994-00-X1
		10. Field and Pool or Exploratory Area PALMILLO-BONE SPRING, EAST
		11. County or Parish, State EDDY COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

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 requests approval to make the following changes to the approved APD:

- 1) Change well name to Pavo Frio 29/28 B3OP Fed Com #2H
- 2) Change BHL to 500' FSL & 100' FEL, Sec 28, T18S, R29E
- 3) Change casing & cement design as detailed in attachment.

See attachments for C-102, drilling program & directional plan
Please contact Andy Taylor with any questions.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #525419 verified by the BLM Well Information System For MEWBOURNE OIL COMPANY, sent to the Carlsbad Committed to AFMSS for processing by PRISCILLA PEREZ on 08/14/2020 (20PP3746SE)	
Name (Printed/Typed) JAKE MAXEY	Title ENGINEER
Signature (Electronic Submission)	Date 08/13/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By OLABQDE AJIBOLA	Title PETROLEUM ENGINEER	Date 09/21/20
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.		Office Carlsbad

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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

SEP 21 2020

Revisions to Operator-Submitted LC Data for Sundry Notice #525419

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMNM56428	NMNM56428
Agreement:		
Operator:	MEWBOURNE OIL COMPANY PO BOX 5270 HOBBS, NM 88241 Ph: 575-393-5905	MEWBOURNE OIL COMPANY P O BOX 5270 HOBBS, NM 88241 Ph: 575.393.5905
Admin Contact:	JACKIE LATHAN AUTHORIZED REPRESENTATIVE E-Mail: jlathan@mewbourne.com Ph: 575-393-5905	JACKIE LATHAN REGULATORY E-Mail: jlathan@mewbourne.com Ph: 575-393-5905
Tech Contact:	JAKE MAXEY ENGINEER E-Mail: jmaxey@mewbourne.com Ph: 575-393-5905	JAKE MAXEY ENGINEER E-Mail: jmaxey@mewbourne.com Ph: 575-393-5905
Location:		
State:	NM	NM
County:	EDDY	EDDY
Field/Pool:	49554	PALMILLO-BONE SPRING, EAST
Well/Facility:	PAVO FRIO 29/28 B2OP FED COM 1H Sec 29 T18S R29E Mer NMP SESW 850FSL 2435FWL	PAVO FRIO 29/28 B3OP FED COM 2H Sec 29 T18S R29E SESW 850FSL 2435FWL 32.713512 N Lat, 104.097580 W Lon

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) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 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 30-015-45994	2 Pool Code 49554 49553	3 Pool Name Palmillo Bone Spring North East
4 Property Code 325677	5 Property Name PAVO FRIO 29/28 B3OP FED COM	6 Well Number 2H
7 OGRID NO. 14744	8 Operator Name MEWBOURNE OIL COMPANY	9 Elevation 3452'

10 Surface Location

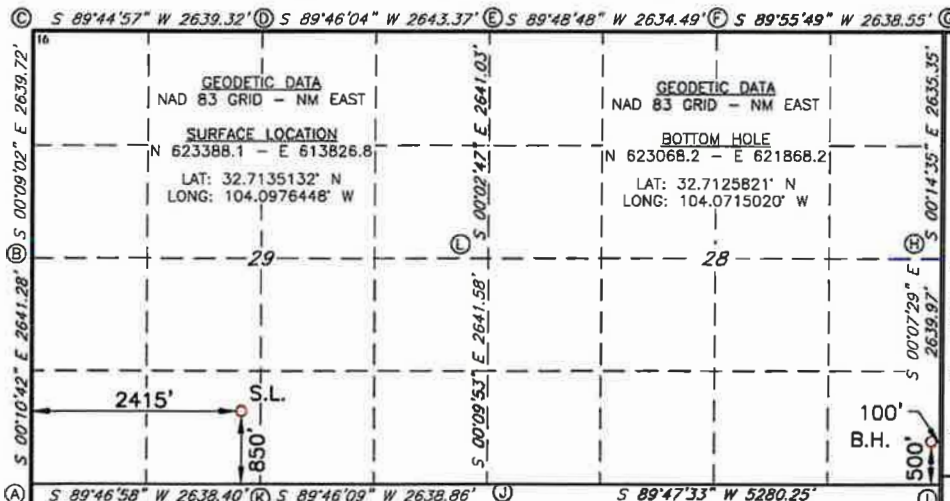
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	29	18S	29E		850	SOUTH	2415	WEST	EDDY

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	28	18S	29E		500	SOUTH	100	EAST	EDDY

12 Dedicated Acres 240	13 Joint or Infill	14 Consolidation Code	15 Order No.
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No allowable will be assigned to this completion until all interest 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 in a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *Andy Taylor* Date: **3/13/2020**
Printed Name: **Andy Taylor**
E-mail Address: **ataylor@mewbourne.com**

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.

01-25-2020

Date of Survey

Signature and Seal of Professional Surveyor

19680

Certificate Number

Job No.: LS20010050

Mewbourne Oil Company, Pavo Frio 29/28 B3OP Fed Com #2H
Sec 29, T18S, R29E
SL: 850' FSL & 2415' FWL, Sec 29
BHL: 500' FSL & 100' FEL, Sec 28

1. Geologic Formations

TVD of target	8650'	Pilot hole depth	NA
MD at TD:	16,360'	Deepest expected fresh water:	200'

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface		
Rustler			
Top of Salt	430		
Base of Salt	780		
Yates	965		
Seven Rivers	1315		
Queen	1900		
Grayburg	2250		
San Andres	2730		
Bone Spring	3590	Oil/Gas	
1 st Bone Spring Sand	6585		
2 nd Bone Spring Sand	7285		
3 rd Bone Spring Sand	8365	Target Zone	
Abo			
Wolfcamp		Will Not Penetrate	
Devonian			
Fusselman			
Ellenburger			
Granite Wash			

*H2S, water flows, loss of circulation, abnormal pressures, etc.

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2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension
	From	To								
17.5"	0'	320'	13.375"	48	H40	STC	5.44	12.23	20.96	35.22
12.25"	0'	1200'	9.625"	36	J55	LTC	3.24	5.64	10.49	13.06
8.75"	0'	8787'	7"	26	P110	LTC	1.80	2.43	3.03	3.63
6.125"	8046'	16,360'	4.5"	13.5	P110	LTC	2.37	2.76	3.01	3.76
BLM Minimum Safety Factor				1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet			

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

Must have table for contingency casing

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Is casing API approved? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2 nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	

Mewbourne Oil Company, Pavo Frio 29/28 B3OP Fed Com #2H
Sec 29, T18S, R29E
SL: 850' FSL & 2415' FWL, Sec 29
BHL: 500' FSL & 100' FEL, Sec 28

Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

3. Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft ³ / sack	H ₂ O gal/ sk	500# Comp. Strength (hours)	Slurry Description
Surf.	90	14.8	2.12	6.3	8	Lead: Class C + Salt + Gel + Extender + LCM
	200	14.8	1.34	6.3	8	Tail: Class C + Retarder
Inter.	110	12.5	2.12	11	10	Lead: Class C + Salt + Gel + Extender + LCM
	200	14.8	1.34	6.3	8	Tail: Class C + Retarder
Prod.	470	12.5	2.12	11	9	Lead: Class C + Gel + Retarder + Defoamer + Extender
	400	15.6	1.18	5.2	10	Tail: Class H + Retarder + Fluid Loss + Defoamer
Liner	335	11.2	2.97	18	16	Class C + Salt + Gel + Fluid Loss + Retarder + Dispersant + Defoamer + Anti-Settling Agent

A copy of cement test will be available on location at time of cement job providing pump times & compressive strengths.

Casing String	TOC	% Excess
Surface	0'	100%
Intermediate	0'	25%
Production	1000'	25%
Liner	8046'	25%

Mewbourne Oil Company, Pavo Frio 29/28 B3OP Fed Com #2H
Sec 29, T18S, R29E
SL: 850' FSL & 2415' FWL, Sec 29
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4. Pressure Control Equipment

	Variance: None
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BOP installed and tested before drilling which hole?	Size?	System Rated WP	Type	✓	Tested to:
12-1/4"	13-5/8"	3M	Annular	X	1500#
			Blind Ram	X	3000#
			Pipe Ram	X	
			Double Ram		
			Other*		

*Specify if additional ram is utilized.

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

X	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.
Y	A variance is requested for the use of a flexible choke line from the BOP to Choke

Mewbourne Oil Company, Pavo Frio 29/28 B3OP Fed Com #2H
Sec 29, T18S, R29E
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	Manifold. See attached for specs and hydrostatic test chart.
N	Are anchors required by manufacturer?
Y	<p>A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested.</p> <ul style="list-style-type: none"> Provide description here <p>See attached schematic.</p>

5. Mud Program

TVD		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0	320	FW Gel	8.6-8.8	28-34	N/C
320	1200	Saturated Brine	10.0	28-34	N/C
1200	8514	Cut Brine	8.6-9.7	28-34	N/C
8514	8650	OBM	8.6-10.0	30-40	<20cc

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	Visual Monitoring
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6. Logging and Testing Procedures

Logging, Coring and Testing.	
X	Will run GR/CNL from KOP (8046') to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
	No Logs are planned based on well control or offset log information.
	Drill stem test? If yes, explain
	Coring? If yes, explain

Additional logs planned		Interval
X	Gamma Ray	8046'(KOP) to TD
	Density	

Mewbourne Oil Company, Pavo Frio 29/28 B3OP Fed Com #2H
Sec 29, T18S, R29E
SL: 850' FSL & 2415' FWL, Sec 29
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	CBL	
	Mud log	
	PEX	

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	4498 psi
Abnormal Temperature	No

Mitigation measure for abnormal conditions. Describe. **Lost circulation material/sweeps/mud scavengers in surface hole.**

Hydrogen Sulfide (H ₂ S) monitors will be installed prior to drilling out the surface shoe. If H ₂ S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.	
	H ₂ S is present
	H ₂ S Plan attached

8. Other facets of operation

Is this a walking operation? If yes, describe.
 Will be pre-setting casing? If yes, describe.

Attachments

Mewbourne Oil Company, Pavo Frio 29/28 B3OP Fed Com #2H
Sec 29, T18S, R29E
SL: 850' FSL & 2415' FWL, Sec 29
BHL: 500' FSL & 100' FEL, Sec 28

☐ Directional Plan
☐ Other, describe

Mewbourne Oil Company

**Eddy County, New Mexico NAD 83
Pavo Frio 29/28 B3OP Fed Com #2H
Sec 29, T18S, R29E
SHL: 850' FSL & 2415' FWL, Sec 29
BHL: 500' FSL & 100' FEL, Sec 28**

Plan: Design #1

Standard Planning Report

06 August, 2020

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Pavo Frio 29/28 B3OP Fed Com #2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3480.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3480.0usft (Original Well Elev)
Site:	Pavo Frio 29/28 B3OP Fed Com #2H	North Reference:	Grid
Well:	Sec 29, T18S, R29E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 500' FSL & 100' FEL, Sec 28		
Design:	Design #1		

Project	Eddy County, New Mexico NAD 83		
Map System:	US State Plane 1983	System Datum:	Ground Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Pavo Frio 29/28 B3OP Fed Com #2H			
Site Position:		Northing:	623,388.00 usft	Latitude: 32.7135129
From:	Map	Easting:	613,827.00 usft	Longitude: -104.0976441
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.13 °

Well	Sec 29, T18S, R29E			
Well Position	+N/-S	0.0 usft	Northing:	623,388.00 usft
	+E/-W	0.0 usft	Easting:	613,827.00 usft
Position Uncertainty	0.0 usft		Wellhead Elevation:	3,480.0 usft
			Ground Level:	3,452.0 usft

Wellbore	BHL: 500' FSL & 100' FEL, Sec 28				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.43	60.46	48,473

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	92.28

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Bulld 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	
1,250.0	0.00	0.00	1,250.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,401.0	3.02	179.84	1,400.9	-4.0	0.0	2.00	2.00	0.00	179.84	
7,894.7	3.02	179.84	7,885.6	-346.0	1.0	0.00	0.00	0.00	0.00	
8,045.7	0.00	0.00	8,036.5	-350.0	1.0	2.00	-2.00	0.00	180.00	KOP: 500' FSL & 241:
8,787.2	88.97	89.79	8,514.0	-348.3	470.0	12.00	12.00	0.00	89.79	
16,359.5	88.97	89.79	8,650.0	-320.0	8,041.0	0.00	0.00	0.00	0.00	BHL: 500' FSL & 100

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Pavo Frio 29/28 B3OP Fed Com #2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3480.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3480.0usft (Original Well Elev)
Site:	Pavo Frio 29/28 B3OP Fed Com #2H	North Reference:	Grid
Well:	Sec 29, T18S, R29E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 500' FSL & 100' FEL, Sec 28		
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)	Buird 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
SHL: 850' FSL & 2415' FWL (29)									
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
1,250.0	0.00	0.00	1,250.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	1.00	179.84	1,300.0	-0.4	0.0	0.0	2.00	2.00	0.00
1,400.0	3.00	179.84	1,399.9	-3.9	0.0	0.2	2.00	2.00	0.00
1,401.0	3.02	179.84	1,400.9	-4.0	0.0	0.2	2.00	2.00	0.00
1,500.0	3.02	179.84	1,499.8	-9.2	0.0	0.4	0.00	0.00	0.00
1,600.0	3.02	179.84	1,599.7	-14.5	0.0	0.6	0.00	0.00	0.00
1,700.0	3.02	179.84	1,699.5	-19.7	0.1	0.8	0.00	0.00	0.00
1,800.0	3.02	179.84	1,799.4	-25.0	0.1	1.1	0.00	0.00	0.00
1,900.0	3.02	179.84	1,899.2	-30.3	0.1	1.3	0.00	0.00	0.00
2,000.0	3.02	179.84	1,999.1	-35.5	0.1	1.5	0.00	0.00	0.00
2,100.0	3.02	179.84	2,099.0	-40.8	0.1	1.7	0.00	0.00	0.00
2,200.0	3.02	179.84	2,198.8	-46.1	0.1	2.0	0.00	0.00	0.00
2,300.0	3.02	179.84	2,298.7	-51.3	0.1	2.2	0.00	0.00	0.00
2,400.0	3.02	179.84	2,398.5	-56.6	0.2	2.4	0.00	0.00	0.00
2,500.0	3.02	179.84	2,498.4	-61.9	0.2	2.6	0.00	0.00	0.00
2,600.0	3.02	179.84	2,598.3	-67.1	0.2	2.9	0.00	0.00	0.00
2,700.0	3.02	179.84	2,698.1	-72.4	0.2	3.1	0.00	0.00	0.00
2,800.0	3.02	179.84	2,798.0	-77.7	0.2	3.3	0.00	0.00	0.00
2,900.0	3.02	179.84	2,897.8	-82.9	0.2	3.5	0.00	0.00	0.00
3,000.0	3.02	179.84	2,997.7	-88.2	0.3	3.8	0.00	0.00	0.00
3,100.0	3.02	179.84	3,097.6	-93.5	0.3	4.0	0.00	0.00	0.00
3,200.0	3.02	179.84	3,197.4	-98.7	0.3	4.2	0.00	0.00	0.00
3,300.0	3.02	179.84	3,297.3	-104.0	0.3	4.4	0.00	0.00	0.00
3,400.0	3.02	179.84	3,397.2	-109.3	0.3	4.7	0.00	0.00	0.00
3,500.0	3.02	179.84	3,497.0	-114.5	0.3	4.9	0.00	0.00	0.00
3,600.0	3.02	179.84	3,596.9	-119.8	0.3	5.1	0.00	0.00	0.00
3,700.0	3.02	179.84	3,696.7	-125.1	0.4	5.3	0.00	0.00	0.00
3,800.0	3.02	179.84	3,796.6	-130.3	0.4	5.6	0.00	0.00	0.00
3,900.0	3.02	179.84	3,896.5	-135.6	0.4	5.8	0.00	0.00	0.00
4,000.0	3.02	179.84	3,996.3	-140.9	0.4	6.0	0.00	0.00	0.00
4,100.0	3.02	179.84	4,096.2	-146.1	0.4	6.2	0.00	0.00	0.00
4,200.0	3.02	179.84	4,196.0	-151.4	0.4	6.5	0.00	0.00	0.00
4,300.0	3.02	179.84	4,295.9	-156.7	0.4	6.7	0.00	0.00	0.00
4,400.0	3.02	179.84	4,395.8	-161.9	0.5	6.9	0.00	0.00	0.00
4,500.0	3.02	179.84	4,495.6	-167.2	0.5	7.1	0.00	0.00	0.00
4,600.0	3.02	179.84	4,595.5	-172.5	0.5	7.4	0.00	0.00	0.00
4,700.0	3.02	179.84	4,695.4	-177.7	0.5	7.6	0.00	0.00	0.00
4,800.0	3.02	179.84	4,795.2	-183.0	0.5	7.8	0.00	0.00	0.00
4,900.0	3.02	179.84	4,895.1	-188.3	0.5	8.0	0.00	0.00	0.00
5,000.0	3.02	179.84	4,994.9	-193.5	0.6	8.2	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Pavo Frio 29/28 B3OP Fed Com #2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3480.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3480.0usft (Original Well Elev)
Site:	Pavo Frio 29/28 B3OP Fed Com #2H	North Reference:	Grid
Well:	Sec 29, T18S, R29E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 500' FSL & 100' FEL, Sec 28		
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)
5,100.0	3.02	179.84	5,094.8	-198.8	0.6	8.5	0.00	0.00	0.00
5,200.0	3.02	179.84	5,194.7	-204.1	0.6	8.7	0.00	0.00	0.00
5,300.0	3.02	179.84	5,294.5	-209.4	0.6	8.9	0.00	0.00	0.00
5,400.0	3.02	179.84	5,394.4	-214.6	0.6	9.1	0.00	0.00	0.00
5,500.0	3.02	179.84	5,494.2	-219.9	0.6	9.4	0.00	0.00	0.00
5,600.0	3.02	179.84	5,594.1	-225.2	0.6	9.6	0.00	0.00	0.00
5,700.0	3.02	179.84	5,694.0	-230.4	0.7	9.8	0.00	0.00	0.00
5,800.0	3.02	179.84	5,793.8	-235.7	0.7	10.0	0.00	0.00	0.00
5,900.0	3.02	179.84	5,893.7	-241.0	0.7	10.3	0.00	0.00	0.00
6,000.0	3.02	179.84	5,993.5	-246.2	0.7	10.5	0.00	0.00	0.00
6,100.0	3.02	179.84	6,093.4	-251.5	0.7	10.7	0.00	0.00	0.00
6,200.0	3.02	179.84	6,193.3	-256.8	0.7	10.9	0.00	0.00	0.00
6,300.0	3.02	179.84	6,293.1	-262.0	0.7	11.2	0.00	0.00	0.00
6,400.0	3.02	179.84	6,393.0	-267.3	0.8	11.4	0.00	0.00	0.00
6,500.0	3.02	179.84	6,492.9	-272.6	0.8	11.6	0.00	0.00	0.00
6,600.0	3.02	179.84	6,592.7	-277.8	0.8	11.8	0.00	0.00	0.00
6,700.0	3.02	179.84	6,692.6	-283.1	0.8	12.1	0.00	0.00	0.00
6,800.0	3.02	179.84	6,792.4	-288.4	0.8	12.3	0.00	0.00	0.00
6,900.0	3.02	179.84	6,892.3	-293.6	0.8	12.5	0.00	0.00	0.00
7,000.0	3.02	179.84	6,992.2	-298.9	0.9	12.7	0.00	0.00	0.00
7,100.0	3.02	179.84	7,092.0	-304.2	0.9	13.0	0.00	0.00	0.00
7,200.0	3.02	179.84	7,191.9	-309.4	0.9	13.2	0.00	0.00	0.00
7,300.0	3.02	179.84	7,291.7	-314.7	0.9	13.4	0.00	0.00	0.00
7,400.0	3.02	179.84	7,391.6	-320.0	0.9	13.6	0.00	0.00	0.00
7,500.0	3.02	179.84	7,491.5	-325.2	0.9	13.9	0.00	0.00	0.00
7,600.0	3.02	179.84	7,591.3	-330.5	0.9	14.1	0.00	0.00	0.00
7,700.0	3.02	179.84	7,691.2	-335.8	1.0	14.3	0.00	0.00	0.00
7,800.0	3.02	179.84	7,791.0	-341.0	1.0	14.5	0.00	0.00	0.00
7,894.7	3.02	179.84	7,885.6	-346.0	1.0	14.7	0.00	0.00	0.00
7,900.0	2.91	179.84	7,890.9	-346.3	1.0	14.8	2.00	-2.00	0.00
8,000.0	0.91	179.84	7,990.8	-349.6	1.0	14.9	2.00	-2.00	0.00
8,045.7	0.00	0.00	8,036.5	-350.0	1.0	14.9	2.00	-2.00	0.00
KOP: 500' FSL & 2415' FWL (29)									
8,100.0	6.52	89.79	8,090.7	-350.0	4.1	18.0	12.00	12.00	0.00
8,200.0	18.51	89.79	8,188.2	-349.9	25.7	39.6	12.00	12.00	0.00
8,300.0	30.51	89.79	8,279.0	-349.8	67.1	81.0	12.00	12.00	0.00
8,400.0	42.51	89.79	8,359.2	-349.5	126.5	140.3	12.00	12.00	0.00
8,500.0	54.51	89.79	8,425.4	-349.3	201.3	215.0	12.00	12.00	0.00
8,600.0	66.51	89.79	8,474.5	-348.9	288.2	301.8	12.00	12.00	0.00
8,637.4	70.99	89.79	8,488.0	-348.8	323.0	336.6	12.00	12.00	0.00
FTP: 500' FSL & 2538' FEL (29)									
8,700.0	78.50	89.79	8,504.5	-348.6	383.4	396.9	12.00	12.00	0.00
8,787.3	88.97	89.79	8,514.0	-348.2	470.0	483.5	11.99	11.99	0.00
LP: 500' FSL & 2391' FEL (29)									
8,800.0	88.97	89.79	8,514.2	-348.2	482.7	496.2	0.00	0.00	0.00
8,900.0	88.97	89.79	8,516.0	-347.8	582.7	596.1	0.00	0.00	0.00
9,000.0	88.97	89.79	8,517.8	-347.5	682.7	696.0	0.00	0.00	0.00
9,100.0	88.97	89.79	8,519.6	-347.1	782.7	795.9	0.00	0.00	0.00
9,200.0	88.97	89.79	8,521.4	-346.7	882.7	895.7	0.00	0.00	0.00
9,300.0	88.97	89.79	8,523.2	-346.3	982.6	995.6	0.00	0.00	0.00
9,400.0	88.97	89.79	8,525.0	-346.0	1,082.6	1,095.5	0.00	0.00	0.00
9,500.0	88.97	89.79	8,526.8	-345.6	1,182.6	1,195.4	0.00	0.00	0.00
9,600.0	88.97	89.79	8,528.6	-345.2	1,282.6	1,295.3	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Pavo Frio 29/28 B3OP Fed Com #2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3480.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3480.0usft (Original Well Elev)
Site:	Pavo Frio 29/28 B3OP Fed Com #2H	North Reference:	Grid
Well:	Sec 29, T18S, R29E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 500' FSL & 100' FEL, Sec 28		
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)	Buird Rate (°/100usft)	Turn Rate (°/100usft)
9,700.0	88.97	89.79	8,530.4	-344.8	1,382.6	1,395.2	0.00	0.00	0.00
9,800.0	88.97	89.79	8,532.2	-344.5	1,482.6	1,495.1	0.00	0.00	0.00
9,900.0	88.97	89.79	8,534.0	-344.1	1,582.5	1,595.0	0.00	0.00	0.00
10,000.0	88.97	89.79	8,535.8	-343.7	1,682.5	1,694.9	0.00	0.00	0.00
10,100.0	88.97	89.79	8,537.6	-343.4	1,782.5	1,794.7	0.00	0.00	0.00
10,200.0	88.97	89.79	8,539.4	-343.0	1,882.5	1,894.6	0.00	0.00	0.00
10,300.0	88.97	89.79	8,541.2	-342.6	1,982.5	1,994.5	0.00	0.00	0.00
10,400.0	88.97	89.79	8,543.0	-342.2	2,082.5	2,094.4	0.00	0.00	0.00
10,500.0	88.97	89.79	8,544.8	-341.9	2,182.4	2,194.3	0.00	0.00	0.00
10,600.0	88.97	89.79	8,546.6	-341.5	2,282.4	2,294.2	0.00	0.00	0.00
10,700.0	88.97	89.79	8,548.4	-341.1	2,382.4	2,394.1	0.00	0.00	0.00
10,800.0	88.97	89.79	8,550.1	-340.7	2,482.4	2,494.0	0.00	0.00	0.00
10,900.0	88.97	89.79	8,551.9	-340.4	2,582.4	2,593.9	0.00	0.00	0.00
11,000.0	88.97	89.79	8,553.7	-340.0	2,682.4	2,693.8	0.00	0.00	0.00
11,100.0	88.97	89.79	8,555.5	-339.6	2,782.3	2,793.6	0.00	0.00	0.00
11,180.7	88.97	89.79	8,557.0	-339.3	2,863.0	2,874.2	0.00	0.00	0.00
PPP 2: 500' FSL & 0' FWL (28)									
11,200.0	88.97	89.79	8,557.3	-339.2	2,882.3	2,893.5	0.00	0.00	0.00
11,300.0	88.97	89.79	8,559.1	-338.9	2,982.3	2,993.4	0.00	0.00	0.00
11,400.0	88.97	89.79	8,560.9	-338.5	3,082.3	3,093.3	0.00	0.00	0.00
11,500.0	88.97	89.79	8,562.7	-338.1	3,182.3	3,193.2	0.00	0.00	0.00
11,600.0	88.97	89.79	8,564.5	-337.8	3,282.3	3,293.1	0.00	0.00	0.00
11,700.0	88.97	89.79	8,566.3	-337.4	3,382.2	3,393.0	0.00	0.00	0.00
11,800.0	88.97	89.79	8,568.1	-337.0	3,482.2	3,492.9	0.00	0.00	0.00
11,900.0	88.97	89.79	8,569.9	-336.6	3,582.2	3,592.8	0.00	0.00	0.00
12,000.0	88.97	89.79	8,571.7	-336.3	3,682.2	3,692.6	0.00	0.00	0.00
12,100.0	88.97	89.79	8,573.5	-335.9	3,782.2	3,792.5	0.00	0.00	0.00
12,200.0	88.97	89.79	8,575.3	-335.5	3,882.2	3,892.4	0.00	0.00	0.00
12,300.0	88.97	89.79	8,577.1	-335.1	3,982.1	3,992.3	0.00	0.00	0.00
12,400.0	88.97	89.79	8,578.9	-334.8	4,082.1	4,092.2	0.00	0.00	0.00
12,500.0	88.97	89.79	8,580.7	-334.4	4,182.1	4,192.1	0.00	0.00	0.00
12,600.0	88.97	89.79	8,582.5	-334.0	4,282.1	4,292.0	0.00	0.00	0.00
12,700.0	88.97	89.79	8,584.3	-333.7	4,382.1	4,391.9	0.00	0.00	0.00
12,800.0	88.97	89.79	8,586.1	-333.3	4,482.1	4,491.8	0.00	0.00	0.00
12,900.0	88.97	89.79	8,587.9	-332.9	4,582.0	4,591.6	0.00	0.00	0.00
13,000.0	88.97	89.79	8,589.7	-332.5	4,682.0	4,691.5	0.00	0.00	0.00
13,100.0	88.97	89.79	8,591.5	-332.2	4,782.0	4,791.4	0.00	0.00	0.00
13,200.0	88.97	89.79	8,593.3	-331.8	4,882.0	4,891.3	0.00	0.00	0.00
13,300.0	88.97	89.79	8,595.0	-331.4	4,982.0	4,991.2	0.00	0.00	0.00
13,400.0	88.97	89.79	8,596.8	-331.0	5,082.0	5,091.1	0.00	0.00	0.00
13,500.0	88.97	89.79	8,598.6	-330.7	5,181.9	5,191.0	0.00	0.00	0.00
13,600.0	88.97	89.79	8,600.4	-330.3	5,281.9	5,290.9	0.00	0.00	0.00
13,700.0	88.97	89.79	8,602.2	-329.9	5,381.9	5,390.8	0.00	0.00	0.00
13,800.0	88.97	89.79	8,604.0	-329.5	5,481.9	5,490.7	0.00	0.00	0.00
13,900.0	88.97	89.79	8,605.8	-329.2	5,581.9	5,590.5	0.00	0.00	0.00
14,000.0	88.97	89.79	8,607.6	-328.8	5,681.8	5,690.4	0.00	0.00	0.00
14,100.0	88.97	89.79	8,609.4	-328.4	5,781.8	5,790.3	0.00	0.00	0.00
14,200.0	88.97	89.79	8,611.2	-328.1	5,881.8	5,890.2	0.00	0.00	0.00
14,300.0	88.97	89.79	8,613.0	-327.7	5,981.8	5,990.1	0.00	0.00	0.00
14,400.0	88.97	89.79	8,614.8	-327.3	6,081.8	6,090.0	0.00	0.00	0.00
14,500.0	88.97	89.79	8,616.6	-326.9	6,181.8	6,189.9	0.00	0.00	0.00
14,600.0	88.97	89.79	8,618.4	-326.6	6,281.7	6,289.8	0.00	0.00	0.00
14,700.0	88.97	89.79	8,620.2	-326.2	6,381.7	6,389.7	0.00	0.00	0.00

Planning Report

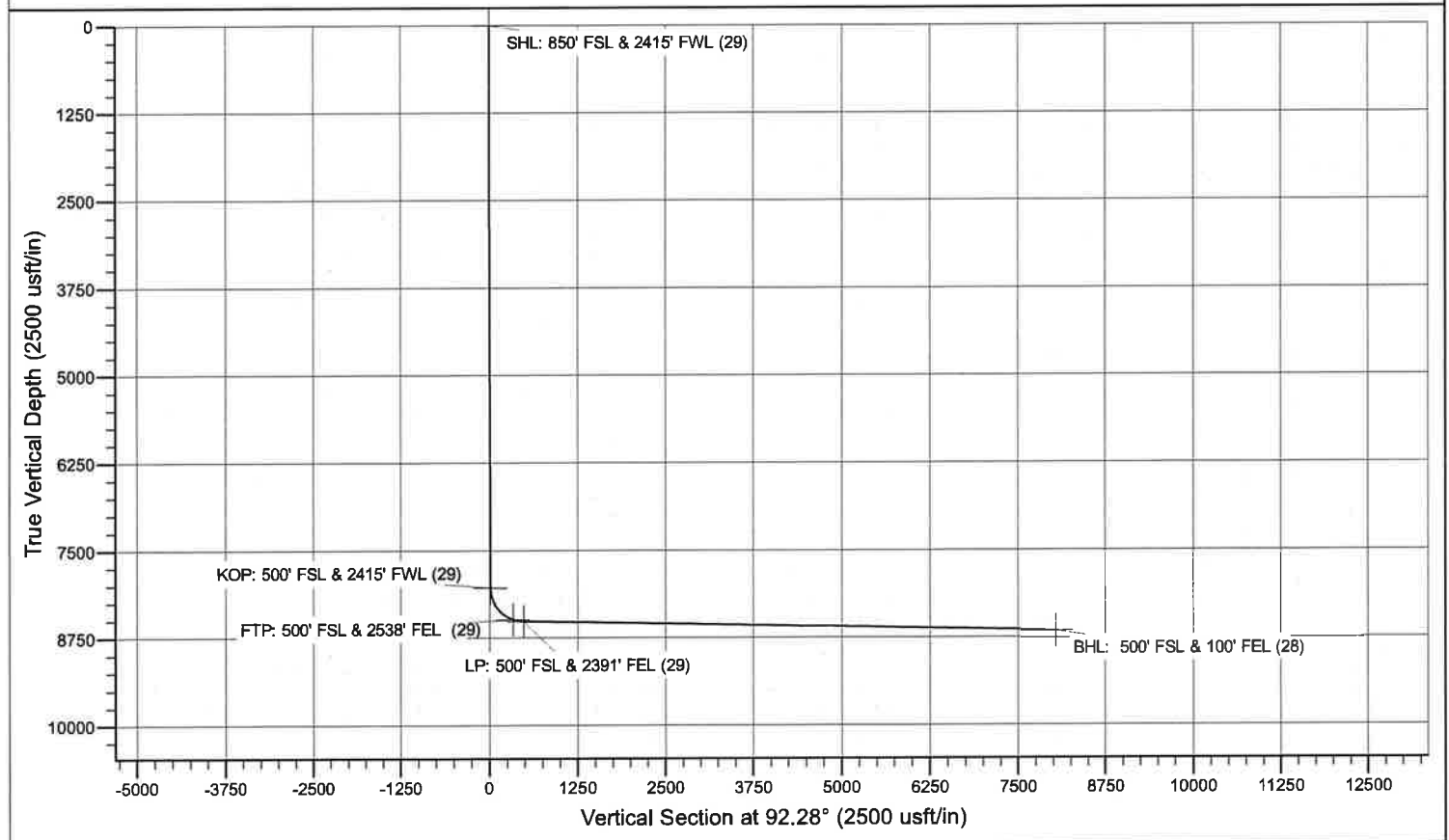
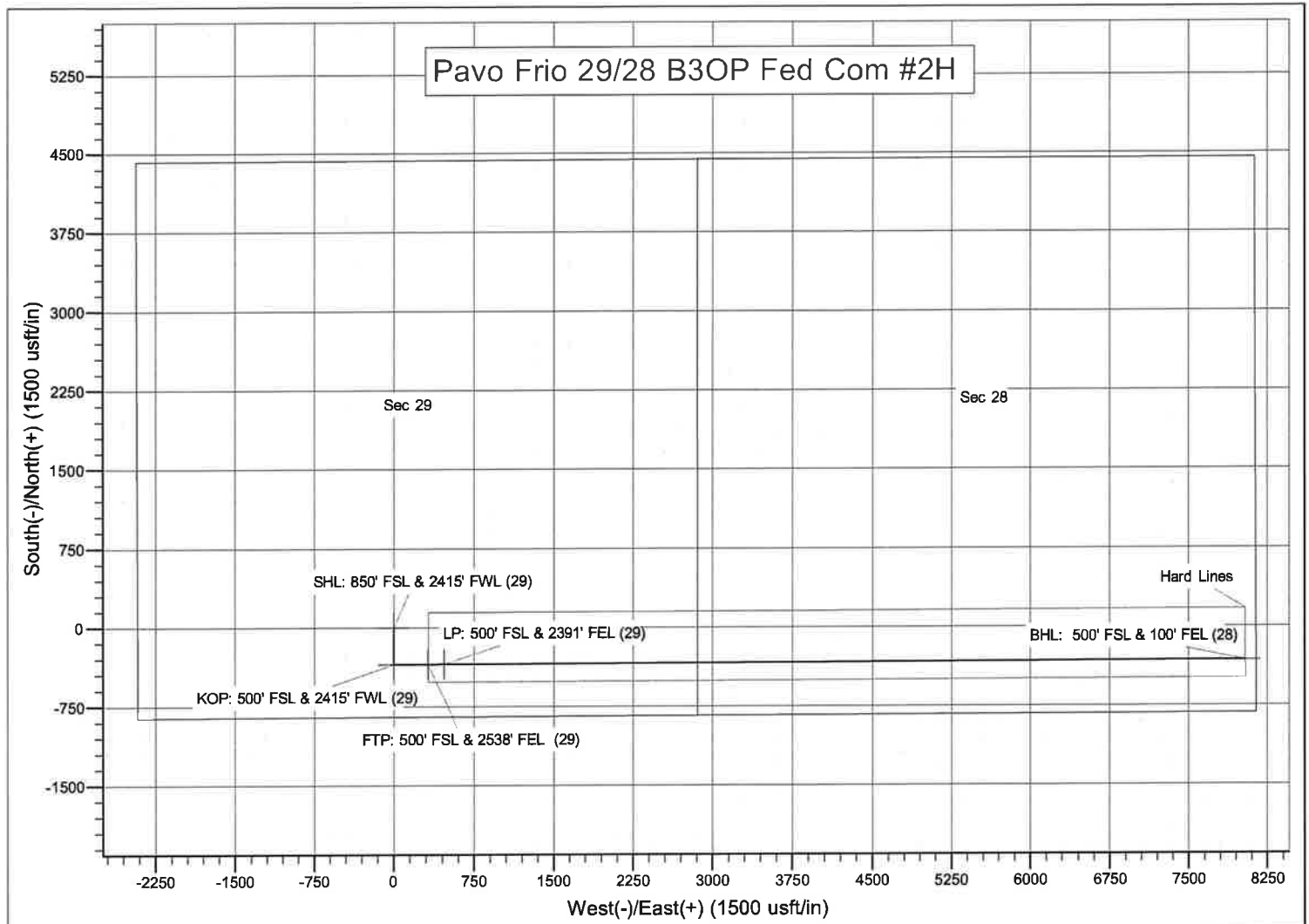
Database:	Hobbs	Local Co-ordinate Reference:	Site Pavo Frio 29/28 B3OP Fed Com #2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3480.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3480.0usft (Original Well Elev)
Site:	Pavo Frio 29/28 B3OP Fed Com #2H	North Reference:	Grid
Well:	Sec 29, T18S, R29E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 500' FSL & 100' FEL, Sec 28		
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)
14,800.0	88.97	89.79	8,622.0	-325.8	6,481.7	6,489.5	0.00	0.00	0.00
14,900.0	88.97	89.79	8,623.8	-325.4	6,581.7	6,589.4	0.00	0.00	0.00
15,000.0	88.97	89.79	8,625.6	-325.1	6,681.7	6,689.3	0.00	0.00	0.00
15,100.0	88.97	89.79	8,627.4	-324.7	6,781.7	6,789.2	0.00	0.00	0.00
15,139.6	88.97	89.79	8,628.1	-324.6	6,821.3	6,828.8	0.00	0.00	0.00
PPP 3: 500' FSL & 1320' FEL (28)									
15,200.0	88.97	89.79	8,629.2	-324.3	6,881.6	6,889.1	0.00	0.00	0.00
15,300.0	88.97	89.79	8,631.0	-324.0	6,981.6	6,989.0	0.00	0.00	0.00
15,400.0	88.97	89.79	8,632.8	-323.6	7,081.6	7,088.9	0.00	0.00	0.00
15,500.0	88.97	89.79	8,634.6	-323.2	7,181.6	7,188.8	0.00	0.00	0.00
15,600.0	88.97	89.79	8,636.4	-322.8	7,281.6	7,288.7	0.00	0.00	0.00
15,700.0	88.97	89.79	8,638.2	-322.5	7,381.6	7,388.5	0.00	0.00	0.00
15,800.0	88.97	89.79	8,640.0	-322.1	7,481.5	7,488.4	0.00	0.00	0.00
15,900.0	88.97	89.79	8,641.7	-321.7	7,581.5	7,588.3	0.00	0.00	0.00
16,000.0	88.97	89.79	8,643.5	-321.3	7,681.5	7,688.2	0.00	0.00	0.00
16,100.0	88.97	89.79	8,645.3	-321.0	7,781.5	7,788.1	0.00	0.00	0.00
16,200.0	88.97	89.79	8,647.1	-320.6	7,881.5	7,888.0	0.00	0.00	0.00
16,300.0	88.97	89.79	8,648.9	-320.2	7,981.5	7,987.9	0.00	0.00	0.00
16,359.5	88.97	89.79	8,650.0	-320.0	8,041.0	8,047.4	0.00	0.00	0.00
BHL: 500' FSL & 100' FEL (28)									

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
SHL: 850' FSL & 2415' F - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	623,388.00	613,827.00	32.7135129	-104.0976441
KOP: 500' FSL & 2415' f - plan hits target center - Point	0.00	0.00	8,036.5	-350.0	1.0	623,038.00	613,828.00	32.7125509	-104.0976433
FTP: 500' FSL & 2538' F - plan hits target center - Point	0.00	0.00	8,488.0	-348.8	323.0	623,039.21	614,150.00	32.7125522	-104.0965964
LP: 500' FSL & 2391' FE - plan hits target center - Point	0.00	0.00	8,514.0	-348.2	470.0	623,039.75	614,297.00	32.7125528	-104.0961185
PPP 2: 500' FSL & 0' FV - plan hits target center - Point	0.00	0.00	8,557.0	-339.3	2,863.0	623,048.68	616,690.00	32.7125624	-104.0883380
PPP 3: 500' FSL & 1320 - plan hits target center - Point	0.00	0.00	8,628.1	-324.6	6,821.3	623,063.45	620,648.30	32.7125772	-104.0754683
BHL: 500' FSL & 100' F - plan hits target center - Point	0.00	0.00	8,650.0	-320.0	8,041.0	623,068.00	621,868.00	32.7125815	-104.0715027



PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Mewbourne Oil Company
LEASE NO.:	NMNM056428
WELL NAME & NO.:	PAVO FRIO 29-28 B3OP FED COM 2H
SURFACE HOLE FOOTAGE:	850'/S & 2415'/W
BOTTOM HOLE FOOTAGE:	500'/S & 100'/E
LOCATION:	Section 29, T.18 S., R.29 E., NMPM
COUNTY:	Eddy County, New Mexico

COA

H2S	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Potash	<input checked="" type="radio"/> None	<input type="radio"/> Secretary	<input type="radio"/> R-111-P
Cave/Karst Potential	<input type="radio"/> Low	<input checked="" type="radio"/> Medium	<input type="radio"/> High
Variance	<input type="radio"/> None	<input checked="" type="radio"/> Flex Hose	<input type="radio"/> Other
Wellhead	<input type="radio"/> Conventional	<input checked="" type="radio"/> Multibowl	<input type="radio"/> Both
Other	<input type="checkbox"/> 4 String Area	<input type="checkbox"/> Capitan Reef	<input type="checkbox"/> WIPP
Other	<input type="checkbox"/> Fluid Filled	<input type="checkbox"/> Cement Squeeze	<input type="checkbox"/> Pilot Hole
Special Requirements	<input type="checkbox"/> Water Disposal	<input checked="" type="checkbox"/> COM	<input type="checkbox"/> Unit

All Previous COAs Still Apply.

A. CASING

1. The 13-3/8 inch surface casing shall be set at approximately **320 feet** (a minimum of **70 feet (Eddy County)** into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.

- d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The minimum required fill of cement behind the 9-5/8 inch intermediate casing, which shall be set at approximately **1200 feet** is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.
Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
 - ❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
3. The minimum required fill of cement behind the 7 inch production casing is:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.
4. The minimum required fill of cement behind the 4-1/2 inch production liner is:
 - Cement should tie-back **100 feet** into the previous casing. Operator shall provide method of verification.

B. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).
2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M) psi**.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

C. SPECIAL REQUIREMENT (S)**Communitization Agreement**

- The operator will submit a Communitization Agreement to the Carlsbad Field Office, 620 E Greene St. Carlsbad, New Mexico 88220, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

OTA09212020

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) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

COMMENTS

Action 21035

COMMENTS

Operator:				OGRID:		Action Number:		Action Type:	
	MEWBOURNE OIL CO	P.O. Box 5270	Hobbs, NM88241		14744		21035		C-103A

Created By	Comment	Comment Date
jagarcia	New Property Code is 325984	03/25/2021
jagarcia	Accepted for Record	03/25/2021
kpickford	KP GEO Review 3/19/2021	03/19/2021

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CONDITIONS

Action 21035

CONDITIONS OF APPROVAL

Operator:	MEWBOURNE OIL CO	P.O. Box 5270	Hobbs, NM88241	OGRID:	14744	Action Number:	21035	Action Type:	C-103A
OCD Reviewer	Condition								
jagarcia	New Property Code is 325984								
kpickford	Adhere to previous NMOCD Conditions of Approval								