U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

01/16/2026

Well Name: PINTA 29/27 FED COM

Well Location: T20S / R27E / SEC 29 / SWNW / 32.5472377 / -104.310835

County or Parish/State: EDDY / NM

Well Number: 522H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM84711

Unit or CA Name:

Unit or CA Number: NMNM106392317

US Well Number:

Operator: MEWBOURNE OIL COMPANY

Notice of Intent

Sundry ID: 2887284

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 12/16/2025

Time Sundry Submitted: 03:29

Date proposed operation will begin: 01/01/2026

Procedure Description: Mewbourne Oil Company requests that the following changes be made to Pinta 29/27 Fed Com #522H well (10400106490): 1. BHL change f/ 800' FNL & 100' FEL (27) to 660' FNL & 100' FEL (27) 2. LP change f/ 800' FNL & 583' FWL (29) @ (7969' TVD, 8366' MD) to 660' FNL & 583' FWL (29) @ (6546' TVD, 6975' MD) 3. Attached C102, Drlg Program, & Dir Plot/Plan corresponding to requested changes.

NOI Attachments

Procedure Description

PINTA_29_27_FED_COM_522H_C102_20251216152819.pdf

Pinta_29_27_Fed_Com_522H_Drlg_Program_20251216152819.pdf

Pinta_29_27_Fed_Com_522H_MOC_Dir_Plot_20251216152819.pdf

Pinta_29_27_Fed_Com_522H_MOC_Dir_Plan_20251216152819.pdf

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Unit or CA Number: NMNM106392317

US Well Number:

Operator: MEWBOURNE OIL COMPANY

Conditions of Approval

Additional

Pinta_29_27_Fed_Com_522H_Drlg_Program_20260116132600.pdf

PINTA_29_27_FED_COM_522H_Sundry_2887284_COA_20260116125306.pdf

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: RYAN MCDANIEL

Signed on: DEC 16, 2025 03:28 PM

Name: MEWBOURNE OIL COMPANY

Title: Engineer

Street Address: 4801 BUSINESS PARK BLVD

City: HOBBS **State:** NM

Phone: (575) 393-5905

Email address: RYANMCDANIEL@MEWBOURNE.COM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: CWALLS@BLM.GOV

Disposition: Approved

Disposition Date: 01/16/2026

Signature: Chris Walls

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

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*

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool or Exploratory Area

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*

11. Country or Parish, State

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
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ 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 recomplete 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 perfonned 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 recompletion 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 detennined that the site is ready for final inspection.)

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

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

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

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)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect ofthis form to U.S. Department ofthe Interior, Bureau ofLand Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: SWNW / 1710 FNL / 355 FWL / TWSP: 20S / RANGE: 27E / SECTION: 29 / LAT: 32.5472377 / LONG: -104.310835 (TVD: 0 feet, MD: 0 feet)

PPP: NWNW / 800 FNL / 100 FWL / TWSP: 20S / RANGE: 27E / SECTION: 29 / LAT: 32.5497386 / LONG: -104.3116194 (TVD: 7704 feet, MD: 7792 feet)

PPP: NENW / 837 FNL / 0 FWL / TWSP: 20S / RANGE: 27E / SECTION: 28 / LAT: 32.5496308 / LONG: -104.294878 (TVD: 8145 feet, MD: 13045 feet)

PPP: NWNE / 827 FNL / 2657 FWL / TWSP: 20S / RANGE: 27E / SECTION: 28 / LAT: 32.5495745 / LONG: -104.2862566 (TVD: 8246 feet, MD: 15704 feet)

BHL: NENE / 800 FNL / 100 FEL / TWSP: 20S / RANGE: 27E / SECTION: 27 / LAT: 32.5494045 / LONG: -104.2607862 (TVD: 8542 feet, MD: 23558 feet)

Mewbourne Oil Company, Pinta 29/27 Fed Com 522H
Sec 29, T20S, R27E
SHL: 1710' FNL 355' FWL (Sec 29)
BHL: 660' FNL 100' FEL (Sec 27)

Well Location **GL: 3226'**

Point	Calls	Leases	Aliquot	Section	Township	Range	County	Lat	Long	TVD	MD
SHL	SHL: 1710' FNL & 355' FWL (Sec 29)	NMNM084711	SWNW	29	20S	27E	Eddy	32.5472377	- 104.3108350	0'	0'
KOP	KOP: 660' FNL & 10' FWL (Sec 29)	NMNM084711	NWNW	29	20S	27E	Eddy	32.5501233	- 104.3119048	5,973'	6,091'
FTP	FTP: 660' FNL & 100' FWL (Sec 29)	NMNM084711	NWNW	29	20S	27E	Eddy	32.5501233	- 104.3116128	6,281'	6,417'
PPP2	PPP2: 697' FNL & 0' FWL (Sec 28)	NMLC0072015C	NENW	28	20S	27E	Eddy	32.5500155	- 104.2948761	6,682'	11,668'
PPP3	PPP3: 687' FNL & 2657' FWL (Sec 28)	NMNM111955	NWNE	28	20S	27E	Eddy	32.5499592	- 104.2862544	6,760'	14,325'
BHL	BHL: 660' FNL & 100' FEL (Sec 27)	State	NENE	27	20S	27E	Eddy	32.5497892	- 104.2607830	6,988'	22,177'

GEOLOGY

Formation	Est. Top (TVD)	Lithology	Mineral Resources	Formation	Est. Top (TVD)	Lithology	Mineral Resources
Rustler				Delaware (Lamar)	2250'	Limestone	Oil/Natural Gas
Castile				Bell Canyon			
Salt Top				Cherry Canyon			
Marker Bed 126				Manzanita Marker			
Salt Base				Basal Brushy Canyon			
Yates	100'	Sandstone	Oil/Natural Gas	Bone Spring	3318'	Limestone/Shale	Oil/Natural Gas
Seven Rivers	505'	Dolomite	Oil/Natural Gas	1st Bone Spring Carbonate			
Queen	1127'	Sandstone/Dolomite	Oil/Natural Gas	1st Bone Spring Sand	5492'	Sandstone	Oil/Natural Gas
Capitan				2nd Bone Spring Carbonate	5729'	Limestone	Oil/Natural Gas
Grayburg	1316'	0	None	2nd Bone Spring Sand	**6211'**	Sandstone	Oil/Natural Gas
San Andres				3rd Bone Spring Carbonate	6530'	Limestone	Oil/Natural Gas
Glorietta				3rd Bone Spring Sand	7466'	Sandstone	Oil/Natural Gas
Yeso				Wolfcamp	7864'	Shale/Sandstone/Limestone	Oil/Natural Gas

Casing Program Design A						BLM Minimum Safety Factors	1.125	1.0	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet
Casing String	Hole Diameter (in)	Top MD	Top TVD	Bottom MD	Bottom TVD	Casing Description	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension
Surface	17.5"	0'	0'	500'	500'	13.375" 48# H40 STC	3.44	7.74	13.42	22.54
Intermediate	12.25"	0'	0'	2175'	2175'	9.625" 36# J55 LTC	1.76	3.05	5.79	7.20
Production	8.75"	0'	0'	6091'	5973'	7" 26# P110 LTC	2.07	3.30	4.38	5.24
Production	8.5"	6091'	5973'	22177'	6988'	5.5" 20# HPP110 Talon	2.65	3.02	1.70	1.99

All casing strings will be tested in accordance with 43 CFR Part 3172. 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.	Y
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.	N
Is well located in SOPA but not in R-111-Q?	N
If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing?	
Is well located in R-111-Q and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2nd string set 100' to 600' below the base of salt?	
Is an open annulus used to satisfy R-111-Q? If yes, see cement design.	
Is an engineered weak point used to satisfy R-111-Q?	
If yes, at what depth is the weak point planned?	
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?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

Mewbourne Oil Company, Pinta 29/27 Fed Com 522H
Sec 29, T20S, R27E
SHL: 1710' FNL 355' FWL (Sec 29)
BHL: 660' FNL 100' FEL (Sec 27)

Design A - Cement Program

Casing	Cement Stage	# sx	Density (ppg)	Yield (ft^3/sack)	Depth (MD)	Volume (ft^3)	% Excess	Slurry Description
13.375 in	LEAD	210	12.5	2.12	0' - 313'	450	100%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	313' - 500'	268		Class C: Retarder
1st Stg 9.625 in	LEAD	180	12.5	2.12	550' - 1513'	390	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	1513' - 2175'	268		Class C: Retarder
9 5/8" DV Tool @ 550'								
2nd Stg 9.625 in	LEAD	50	12.5	2.12	0' - 248'	110	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	100	14.8	1.34	248' - 550'	134		Class C: Retarder
7 in - 5.5 in	LEAD	560	12.5	2.12	1975' - 6126'	1190	25%	Class C: Salt, Gel, Extender, LCM, Defoamer
	TAIL	3900	15.6	1.18	6126' - 22177'	4602		Class H: Retarder, Fluid Loss, Defoamer

Pressure Control Equipment

BOP installed and tested before drilling hole (in):	Size (in)	System Rated WP	Type		Tested to:	Rating Depth
12.25	13.375	5M	Annular	X	2500#/3500#	22,177'
		3M	Blind Ram	X	3000#	
			Pipe Ram	X		
			Double Ram			
			Other*			

*Specify if additional ram is utilized.

Equipment: Annular, Pipe Rams, Blind Rams, 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.

Variance Request: A variance is requested for the use of a flexible choke line from the BOP to the choke manifold. See attached for hydrostatic test chart. Anchors are not required by manufacturer. Variance is requested to use a multi bowl wellhead. Variance is requested to perform break testing according to attached procedure. If a breaktesting variance is approved & incorporated, API Standard 53 will be incorporated and testing annular BOP to 70% of RWP or 100% of MASP, whichever is greater, will be performed.

Testing Procedure: BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 43 CFR Part 3172 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.

Y	Formation integrity test will be performed per 43 CFR Part 3172. 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 43 CFR Part 3172.
N	Mewbourne Oil Company request a variance to use a 5000 psi annular BOP with a 10,000 psi BOP stack.

Mud Program

Depth (MD)	Mud Wt (ppg)	Mud Type
0' - 500'	8.4 - 8.6	Fresh Water
500' - 2175'	10.0 - 10.2	Brine
2175' - 6091'	8.6 - 9.7	Cut-Brine
6091' - 22177'	10.0 - 11.5	OBM

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?	Pason/PVT/Visual Monitoring

Mewbourne Oil Company, Pinta 29/27 Fed Com 522H
Sec 29, T20S, R27E
SHL: 1710' FNL 355' FWL (Sec 29)
BHL: 660' FNL 100' FEL (Sec 27)

Logging and Testing Procedures

Logging, Coring and Testing.	
N	Will run GR/CNL from KOP (6091') to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
Y	No logs are planned based on well control or offset log information. Offset Well: Pinta 29/27 Fed Com #526H
N	Coring? If yes, explain:

Open & Cased Hole Logs Run In the Well

_	Caliper	_	Cement Bond Log	_	CNL/FDC
_	Compensated Densilog	_	Compensated Neutron Log	_	Computer Generated Log
_	Dip Meter Log	X	**Directional Survey**	_	Dual Induction/Microresistivity
_	Dual Lateral Log/Microspherically Focused	_	Electric Log	_	Formation Density Compensated Log
_	Gamma Ray Log	X	**Measurement While Drilling**	_	Mud Log/Geological Lithology Log
_	Other	_	Porosity-Resistivity Log	_	Sidewall Neutron Log
_	Sonic Log	_	Spontaneous Potential Log	_	Temperature Log

Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	4179 psi
BH Temperature	140
Abnormal Temp, Pressure, or Geologic Hazards	No

Mitigation measure for abnormal conditions. Describe. Lost circulation material/sweeps/mud scavengers in surface hole. Weighted mud for possible over-pressure in Wolfcamp formation.

Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S 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.

	H2S is present
X	H2S Plan attached

Mewbourne Oil Company, Pinta 29/27 Fed Com 522H
Sec 29, T20S, R27E
SHL: 1710' FNL 355' FWL (Sec 29)
BHL: 660' FNL 100' FEL (Sec 27)

Other facets of operation

Mewbourne Oil Company also requests approval to implement additional designs as described below &/or in other attachments. BLM will be notified of elected design.

Offline Cementing Variance: Variance is requested to perform offline cementing according to the attached procedure. **R-111Q:** Mewbourne proposes performing Open Hole Cementing per R-111Q Guidelines if well is in Potash.

Casing Program Design B						BLM Minimum Safety Factors	1.125	1.0	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet
Casing String	Hole Diameter (in)	Top MD	Top TVD	Bottom MD	Bottom TVD	Casing Description	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension
Surface	17.5"	0'	0'	500'	500'	13.375" 48# H40 STC	3.44	7.74	13.42	22.54
Intermediate	12.25"	0'	0'	2175'	2175'	9.625" 36# J55 LTC	1.76	3.05	5.79	7.20
Production	8.75"	0'	0'	6091'	5973'	7 5/8" 29.7# P110 LTC	1.77	3.14	4.25	5.20
Production	8.5"	6091'	5973'	28268'	6988'	5.5" 20# HPP110 Talon	2.65	3.02	1.70	1.99

All casing strings will be tested in accordance with 43 CFR Part 3172. 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.	Y
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.	N
Is well located in SOPA but not in R-111-Q?	N
If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing?	
Is well located in R-111-Q and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2nd string set 100' to 600' below the base of salt?	
Is an open annulus used to satisfy R-111-Q? If yes, see cement design.	
Is an engineered weak point used to satisfy R-111-Q?	
If yes, at what depth is the weak point planned?	
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?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

Design B - Cement Program

Casing	Cement Stage	# sx	Density (ppg)	Yield (ft^3/sack)	Depth (MD)	Volume (ft^3)	% Excess	Slurry Description
13.375 in	LEAD	210	12.5	2.12	0' - 313'	450	100%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	313' - 500'	268		Class C: Retarder
1st Stg 9.625 in	LEAD	180	12.5	2.12	550' - 1513'	390	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	1513' - 2175'	268		Class C: Retarder
9 5/8" DV Tool @ 550'								
2nd Stg 9.625 in	LEAD	50	12.5	2.12	0' - 248'	110	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	100	14.8	1.34	248' - 550'	134		Class C: Retarder
7.625 in - 5.5 in	LEAD	880	12.5	2.12	1975' - 8958'	1870	25%	Class H: Salt, Gel, Extender, LCM, Defoamer
	TAIL	3000	15.6	1.18	8958' - 22177'	3540		Class H: Retarder, Fluid Loss, Defoamer

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	MEWBOURNE OIL COMPANY
WELL NAME & NO.:	PINTA 29/27 FED COM 522H
APD ID:	10400106490
LOCATION:	Section 29, T.20 S., R.27 E. NMP.
COUNTY:	Eddy County, New Mexico

COA

H_2S	○ No		◉ Yes	
Potash / WIPP	◉ None	○ Secretary	○ R-111-Q	☐ Open Annulus ☐ WIPP
Cave / Karst	○ Low	○ Medium	◉ High	○ Critical
Wellhead	○ Conventional	◉ Multibowl	○ Both	○ Diverter
Cementing	☐ Primary Squeeze	☐ Cont. Squeeze	☐ EchoMeter	☐ DV Tool
Special Req	☐ Capitan Reef	☐ Water Disposal	☑ COM	☐ Unit
Waste Prev.	○ Self-Certification	◉ Waste Min. Plan	○ APD Submitted prior to 06/10/2024	
Additional Language	☑ Flex Hose ☐ Four-String	☐ Casing Clearance ☑ Offline Cementing	☐ Pilot Hole ☐ Fluid-Filled	☑ Break Testing

SEE ORIGINAL COA FOR ALL OTHER REQUIREMENTS.

A. CASING DESIGN

Primary Casing Program

1. The **13-3/8** inch surface casing shall be set at approximately **500 ft.** and cemented to the surface. Rustler is at surface; BLM accepts Tansill/Yates as competent bed for surface casing set point for this well.
    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 psi 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 psi compressive strength, whichever is

greater.

d. If cement falls back, remedial cementing will be done prior to drilling out that string.

Note: The intermediate casing set depth was adjusted based on the BLM geologist's recommendation. *"The operator proposes to set intermediate casing at 2175 ft. which will be in the Cherry Canyon. To avoid possible lost circulation, set intermediate casing at a depth of approximately 1968 ft., the base of Capitan Reef."*

2. The **9-5/8** inch intermediate casing shall be set in a competent bed at approximately **1,968 ft.** The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

Option 1 (Single Stage): 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.**

Option 2 (Two-Stage): The operator has proposed to utilize a DV tool. Operator may adjust depth of DV tool if needed, adjust cement volumes accordingly. The DV tool may be cancelled if cement circulates to surface on the first stage.

a. **First stage to DV tool:** Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.

b. **Second stage above DV tool: 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.**

❖ In <u>High Cave/Karst Areas</u> 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. Operator has proposed to set **7" X 5.5"** tapered production casing at approximately **22,177 ft.** (6,988 ft. TVD). (Pipe and hole size change at KOP). The minimum required fill of cement behind the **7" X 5.5"** production casing is:

- Cement should tie-back **at least 200 feet** into previous casing string. Operator shall provide method of verification. Operator shall use one of the approved methods for cement verification located in the **General Requirements, Section A.1**.

Alternate Casing Program

1. The **13-3/8** inch surface casing shall be set at approximately **500 ft.** and cemented to the surface. Rustler is at surface; BLM accepts Tansill/Yates as competent bed for surface casing set point for this well.

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 psi 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 psi compressive strength, whichever is greater.
d. If cement falls back, remedial cementing will be done prior to drilling out that string.

Note: The intermediate casing set depth was adjusted based on the BLM geologist's recommendation. *"The operator proposes to set intermediate casing at 2175 ft. which will be in the Cherry Canyon. To avoid possible lost circulation, set intermediate casing at a depth of approximately 1968 ft., the base of Capitan Reef."*

2. The **9-5/8** inch intermediate casing shall be set in a competent bed at approximately **1,968 ft.** The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

Option 1 (Single Stage): 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.**

Option 2 (Two-Stage): The operator has proposed to utilize a DV tool. Operator may adjust depth of DV tool if needed, adjust cement volumes accordingly. The DV tool may be cancelled if cement circulates to surface on the first stage.

a. **First stage to DV tool:** Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.

b. **Second stage above DV tool: 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.**

❖ In High 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. Operator has proposed to set **7-5/8" X 5.5"** tapered production casing at approximately **22,177 ft.** (6,988 ft. TVD). (Pipe and hole size change at KOP). The minimum required fill of cement behind the **7-5/8" X 5.5"** production casing is:

- Cement should tie-back **at least 200 feet** into previous casing string. Operator shall provide method of verification. Operator shall use one of the approved methods for cement verification located in the **General Requirements, Section A.1**.

Offline Cementing

Operator has been **(Approved)** to pump the proposed cement program offline in the **Surface and intermediate(s) intervals**. Offline cementing should commence within 24 hours of landing the casing for the interval. Notify the BLM 4hrs prior to the commencement of any offline cementing procedure at **Eddy County: 575-361-2822**.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

a. Spudding well (minimum of 24 hours)
b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
c. BOPE tests (minimum of 4 hours)

Contact Eddy County Petroleum Engineering Inspection Staff:

Email or call the Carlsbad Field Office, 520 East Greene St., Carlsbad, NM 88220; BLM_NM_CFO_DrillingNotifications@BLM.GOV; (575) 361-2822.

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
b. When the operator proposes to set surface casing with Spudder Rig
   i. Notify the BLM when moving in and removing the Spudder Rig.
   ii. Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
   iii. BOP/BOPE test to be conducted per **43 CFR 3172** as soon as 2nd Rig is rigged up on well.

2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the doghouse or stairway area.

3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

A. CASING & CEMENTING

1. The current acceptable methods of cement verification are as follows:
   i. Observing cement circulated to surface,
   ii. Cement Bond Log (CBL),
   iii. Temperature log within 8-10 hours after completing the cement job,
   iv. Echometer (if a second-stage bradenhead is being utilized and operator was granted approval prior to operations.)
2. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
3. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
5. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
6. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

7. 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. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
8. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
9. Whenever a casing string is cemented in the R-111-Q potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR 3172**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
    i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
    ii. 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.
    iii. Manufacturer representative shall install the test plug for the initial BOP test.
    iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.

v. 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.

5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.

i. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

ii. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (Only applies to single stage cement jobs, prior to the cement setting up.)

iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

iv. The test shall be run on a 5000-psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one-hour chart. A circular chart shall have a maximum 2-hour clock. If a twelve hour or twenty-four-hour chart is used, tester shall make a notation that it is run with a two hour clock.

v. The results of the test shall be reported to the appropriate BLM office.

vi. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.

vii. The BOP/BOPE test shall include a low-pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.

viii. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR 3172**.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

SA 01/16/2026

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024 Submittal Type: ☐ Initial Submittal ☑ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
	96381	AVALON; BONE SPRING

Property Code	Property Name	Well Number
	PINTA 29/27 FED COM	522H

OGRID No.	Operator Name	Ground Level Elevation
14744	MEWBOURNE OIL COMPANY	3226'

Surface Owner: ☐ State ☐ Fee ☐ Tribal ■ Federal | Mineral Owner: ☐ State ☐ Fee ☐ Tribal ■ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
E	29	20S	27E		1710 FNL	355 FWL	32.5472377°N	104.3108350°W	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	27	20S	27E		660 FNL	100 FEL	32.5497892°N	104.2607830°W	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
1920	DEFINING		Y	C

Order Numbers. NSP-2217 | Well setbacks are under Common Ownership: ☐ Yes ■ No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
D	29	20S	27E		660 FNL	10 FWL	32.5501233°N	104.3119048°W	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
D	29	20S	27E		660 FNL	100 FWL	32.5501233°N	104.3116128°W	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	27	20S	27E		660 FNL	100 FEL	32.5497892°N	104.2607830°W	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type ■ Horizontal ☐ Vertical	Ground Floor Elevation:
		3254

OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and , if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Ryan McDaniel 10/15/25

Signature Date

Ryan McDaniel

Printed Name

RyanMcDaniel@Mewbourne.com

Email Address

SURVEYOR CERTIFICATIONS

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me under my supervision, and that the same is true and correct to the best of my belief.

ROBERT M. HOWETT NEW MEXICO 19680 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor

Robert M. Howett

Certificate Number	Date of Survey
19680	11/12/2024

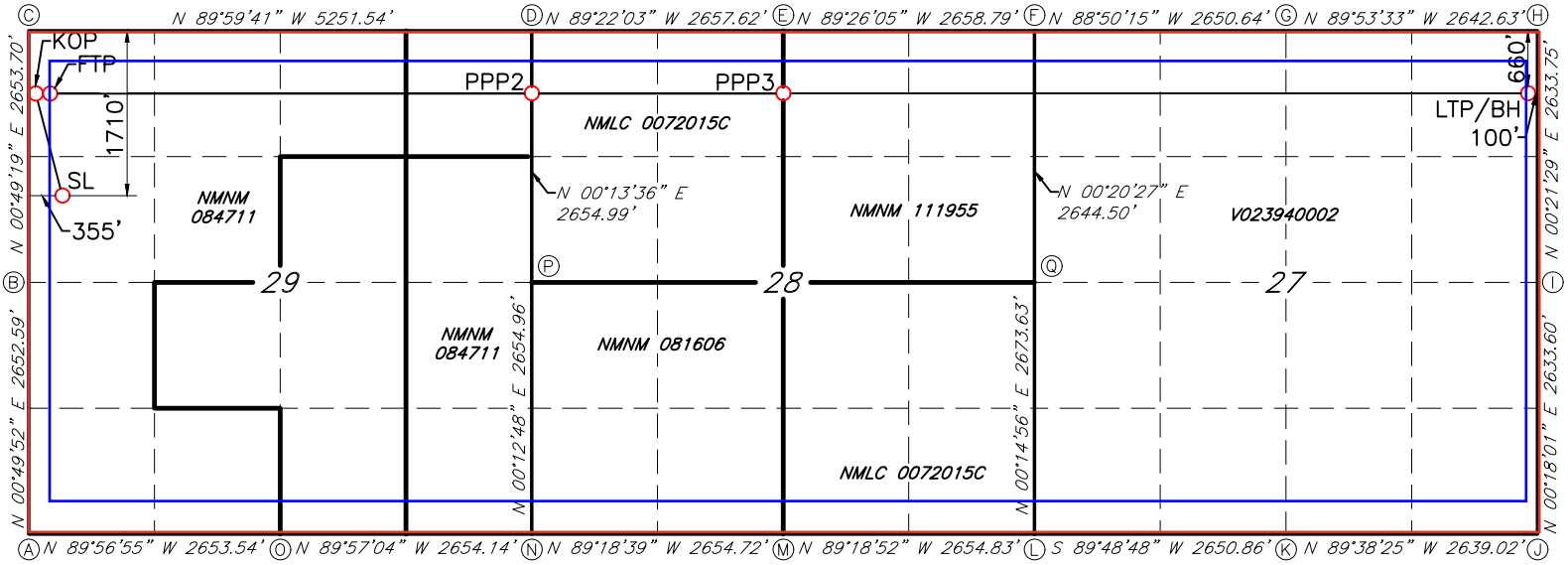
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is a directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

PINTA 29/27 FED COM #522H



GEODETIC DATA
NAD 83 GRID – NM EAST

SURFACE LOCATION (SL)
1710' FNL & 355' FWL (SEC.29)
N: 562816.5 – E: 548270.0

LAT: 32.5472377° N
LONG: 104.3108350° W

KICK OFF POINT (KOP)
660' FNL & 10' FWL (SEC.29)
N: 563866.2 – E: 547940.1

LAT: 32.5501233° N
LONG: 104.3119048° W

FIRST TAKE POINT (FTP)
660' FNL & 100' FWL (SEC.29)
N: 563866.2 – E: 548030.1

LAT: 32.5501233° N
LONG: 104.3116128° W

PROPOSED PENETRATION POINT 2 (PPP2)
697' FNL & 0' FWL (SEC.28)
N: 563828.5 – E: 553187.1

LAT: 32.5500155° N
LONG: 104.2948761° W

PROPOSED PENETRATION POINT 3 (PPP3)
687' FNL & 2657' FWL (SEC.28)
N: 563809.0 – E: 555843.6

LAT: 32.5499592° N
LONG: 104.2862544° W

LAST TAKE POINT/BOTTOM HOLE (LTP/BH)
660' FNL & 100' FEL (SEC.27)
N: 563751.6 – E: 563692.0

LAT: 32.5497892° N
LONG: 104.2607830° W

CORNER DATA
NAD 83 GRID – NM EAST

A: FOUND BRASS CAP "1942"
N: 559221.5 – E: 547863.1

B: FOUND BRASS CAP "1942"
N: 561873.2 – E: 547901.5

C: FOUND BRASS CAP "1942"
N: 564526.0 – E: 547939.6

D: CALCULATED CORNER
N: 564525.5 – E: 553189.8

E: FOUND BRASS CAP "1942"
N: 564496.2 – E: 555846.6

F: FOUND BRASS CAP "1942"
N: 564470.0 – E: 558504.7

G: FOUND BRASS CAP "1942"
N: 564416.2 – E: 561154.1

H: FOUND BRASS CAP "1942"
N: 564411.2 – E: 563796.1

I: FOUND BRASS CAP "1942"
N: 561778.2 – E: 563779.6

J: FOUND BRASS CAP "1942"
N: 559145.3 – E: 563765.8

K: FOUND BRASS CAP "1942"
N: 559161.8 – E: 561127.5

L: FOUND BRASS CAP "1942"
N: 559153.2 – E: 558477.3

M: FOUND BRASS CAP "1942"
N: 559185.0 – E: 555823.3

N: FOUND BRASS CAP "1934"
N: 559216.9 – E: 553169.5

O: FOUND BRASS CAP "1942"
N: 559219.2 – E: 550516.0

P: FOUND BRASS CAP "1942"
N: 561871.2 – E: 553179.3

Q: FOUND BRASS CAP "1942"
N: 561826.2 – E: 558488.9

JOB #: LS24110914D2

Mewbourne Oil Company, Pinta 29/27 Fed Com 522H
Sec 29, T20S, R27E
SHL: 1710' FNL 355' FWL (Sec 29)
BHL: 660' FNL 100' FEL (Sec 27)

Well Location **GL: 3226'**

Point	Calls	Leases	Aliquot	Section	Township	Range	County	Lat	Long	TVD	MD
SHL	SHL: 1710' FNL & 355' FWL (Sec 29)	NMNM084711	SWNW	29	20S	27E	Eddy	32.5472377	- 104.3108350	0'	0'
KOP	KOP: 660' FNL & 10' FWL (Sec 29)	NMNM084711	NWNW	29	20S	27E	Eddy	32.5501233	- 104.3119048	5,973'	6,091'
FTP	FTP: 660' FNL & 100' FWL (Sec 29)	NMNM084711	NWNW	29	20S	27E	Eddy	32.5501233	- 104.3116128	6,281'	6,417'
PPP2	PPP2: 697' FNL & 0' FWL (Sec 28)	NMLC0072015C	NENW	28	20S	27E	Eddy	32.5500155	- 104.2948761	6,682'	11,667'
PPP3	PPP3: 687' FNL & 2657' FWL (Sec 28)	NMNM111955	NWNE	28	20S	27E	Eddy	32.5499592	- 104.2862544	6,759'	14,325'
BHL	BHL: 660' FNL & 100' FEL (Sec 27)	State	NENE	27	20S	27E	Eddy	32.5497892	- 104.2607830	6,988'	22,177'

GEOLOGY

Formation	Est. Top (TVD)	Lithology	Mineral Resources	Formation	Est. Top (TVD)	Lithology	Mineral Resources
Rustler				Delaware (Lamar)	2250'	Limestone	Oil/Natural Gas
Castile				Bell Canyon			
Salt Top				Cherry Canyon			
Marker Bed 126				Manzanita Marker			
Salt Base				Basal Brushy Canyon			
Yates	100'	Sandstone	Oil/Natural Gas	Bone Spring	3318'	Limestone/Shale	Oil/Natural Gas
Seven Rivers	505'	Dolomite	Oil/Natural Gas	1st Bone Spring Carbonate			
Queen	1127'	Sandstone/Dolomite	Oil/Natural Gas	1st Bone Spring Sand	5492'	Sandstone	Oil/Natural Gas
Capitan				2nd Bone Spring Carbonate	5729'	Limestone	Oil/Natural Gas
Grayburg	1316'	Dolomite/Sandstone/Anhydrite	None	2nd Bone Spring Sand	**6211'**	Sandstone	Oil/Natural Gas
San Andres				3rd Bone Spring Carbonate	6530'	Limestone	Oil/Natural Gas
Glorietta				3rd Bone Spring Sand	7466'	Sandstone	Oil/Natural Gas
Yeso				Wolfcamp	7864'	Shale/Sandstone/Limestone	Oil/Natural Gas

Casing Program Design A						BLM Minimum Safety Factors	1.125	1.0	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet
Casing String	Hole Diameter (in)	Top MD	Top TVD	Bottom MD	Bottom TVD	Casing Description	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension
Surface	17.5"	0'	0'	500'	500'	13.375" 48# H40 STC	3.44	7.74	13.42	22.54
Intermediate	12.25"	0'	0'	2175'	2175'	9.625" 36# J55 LTC	1.76	3.05	5.79	7.20
Production	8.75"	0'	0'	6091'	5973'	7" 26# P110 LTC	2.07	3.30	4.38	5.24
Production	8.5"	6091'	5973'	22177'	6988'	5.5" 20# HPP110 Talon	2.65	3.02	1.70	1.99

All casing strings will be tested in accordance with 43 CFR Part 3172. 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.	**Y**
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.	**N**
Is well located in SOPA but not in R-111-Q?	**N**
If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing?	
Is well located in R-111-Q and SOPA?	**N**
If yes, are the first three strings cemented to surface?	
Is 2nd string set 100' to 600' below the base of salt?	
Is an open annulus used to satisfy R-111-Q? If yes, see cement design.	
Is an engineered weak point used to satisfy R-111-Q?	
If yes, at what depth is the weak point planned?	
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?	
Is well located in critical Cave/Karst?	**N**
If yes, are there three strings cemented to surface?	

Mewbourne Oil Company, Pinta 29/27 Fed Com 522H
Sec 29, T20S, R27E
SHL: 1710' FNL 355' FWL (Sec 29)
BHL: 660' FNL 100' FEL (Sec 27)

Design A - Cement Program

Casing	Cement Stage	# sx	Density (ppg)	Yield (ft^3/sack)	Depth (MD)	Volume (ft^3)	% Excess	Slurry Description
13.375 in	LEAD	210	12.5	2.12	0' - 313'	450	100%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	313' - 500'	268		Class C: Retarder
9.625 in	LEAD	280	12.5	2.12	0' - 1503'	600	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	1503' - 2175'	268		Class C: Retarder
7 in - 5.5 in	LEAD	900	12.5	2.12	1975' - 8623'	1910	25%	Class H: Salt, Gel, Extender, LCM, Defoamer
	TAIL	3300	15.6	1.18	8623' - 22177'	3894		Class H: Retarder, Fluid Loss, Defoamer

Pressure Control Equipment

BOP installed and tested before drilling hole (in):	Size (in)	System Rated WP	Type		Tested to:	Rating Depth
12.25	13.375	5M	Annular	X	2500#/3500#	22,177'
		3M	Blind Ram	X	3000#	
			Pipe Ram	X		
			Double Ram			
			Other*			

*Specify if additional ram is utilized.

Equipment: Annular, Pipe Rams, Blind Rams, 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.

Variance Request: A variance is requested for the use of a flexible choke line from the BOP to the choke manifold. See attached for hydrostatic test chart. Anchors are not required by manufacturer. Variance is requested to use a multi bowl wellhead. Variance is requested to perform break testing according to attached procedure. If a breaktesting variance is approved & incorporated, API Standard 53 will be incorporated and testing annular BOP to 70% of RWP or 100% of MASP, whichever is greater, will be performed.

Testing Procedure: BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 43 CFR Part 3172 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.

Y	Formation integrity test will be performed per 43 CFR Part 3172. 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 43 CFR Part 3172.
N	Mewbourne Oil Company request a variance to use a 5000 psi annular BOP with a 10,000 psi BOP stack.

Mud Program

Depth (MD)	Mud Wt (ppg)	Mud Type
0' - 500'	8.4 - 8.6	Fresh Water
500' - 2175'	10.0 - 10.2	Brine
2175' - 6091'	8.6 - 9.7	Cut-Brine
6091' - 22177'	10.0 - 11.5	OBM

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?	Pason/PVT/Visual Monitoring

Mewbourne Oil Company, Pinta 29/27 Fed Com 522H
Sec 29, T20S, R27E
SHL: 1710' FNL 355' FWL (Sec 29)
BHL: 660' FNL 100' FEL (Sec 27)

Logging and Testing Procedures

Logging, Coring and Testing.	
N	Will run GR/CNL from KOP (6091') to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
Y	No logs are planned based on well control or offset log information. Offset Well: Pinta 29/27 Fed Com #526H
N	Coring? If yes, explain:

Open & Cased Hole Logs Run In the Well

_	Caliper	_	Cement Bond Log	_	CNL/FDC
_	Compensated Densilog	_	Compensated Neutron Log	_	Computer Generated Log
_	Dip Meter Log	X	**Directional Survey**	_	Dual Induction/Microresistivity
_	Dual Lateral Log/Microspherically Focused	_	Electric Log	_	Formation Density Compensated Log
_	Gamma Ray Log	X	**Measurement While Drilling**	_	Mud Log/Geological Lithology Log
_	Other	_	Porosity-Resistivity Log	_	Sidewall Neutron Log
_	Sonic Log	_	Spontaneous Potential Log	_	Temperature Log

Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	4179 psi
BH Temperature	140
Abnormal Temp, Pressure, or Geologic Hazards	No

Mitigation measure for abnormal conditions. Describe. Lost circulation material/sweeps/mud scavengers in surface hole. Weighted mud for possible over-pressure in Wolfcamp formation.

Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S 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.

	H2S is present
X	H2S Plan attached

Mewbourne Oil Company, Pinta 29/27 Fed Com 522H
Sec 29, T20S, R27E
SHL: 1710' FNL 355' FWL (Sec 29)
BHL: 660' FNL 100' FEL (Sec 27)

Other facets of operation

Mewbourne Oil Company also requests approval to implement additional designs as described below &/or in other attachments. BLM will be notified of elected design.

Offline Cementing Variance: Variance is requested to perform offline cementing according to the attached procedure. **R-111Q:** Mewbourne proposes performing Open Hole Cementing per R-111Q Guidelines if well is in Potash.

Casing Program Design B						BLM Minimum Safety Factors	1.125	1.0	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet
Casing String	Hole Diameter (in)	Top MD	Top TVD	Bottom MD	Bottom TVD	Casing Description	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension
Surface	17.5"	0'	0'	500'	500'	13.375" 48# H40 STC	3.44	7.74	13.42	22.54
Intermediate	12.25"	0'	0'	2175'	2175'	9.625" 36# J55 LTC	1.76	3.05	5.79	7.20
Production	8.75"	0'	0'	6091'	5973'	7 5/8" 29.7# HCP110 GBCD	2.37	3.14	4.25	5.20
Production	8.5"	6091'	5973'	28268'	6988'	5.5" 20# HPP110 Talon	2.65	3.02	1.70	1.99

All casing strings will be tested in accordance with 43 CFR Part 3172. 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.	Y
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.	N
Is well located in SOPA but not in R-111-Q?	N
If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing?	
Is well located in R-111-Q and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2nd string set 100' to 600' below the base of salt?	
Is an open annulus used to satisfy R-111-Q? If yes, see cement design.	
Is an engineered weak point used to satisfy R-111-Q?	
If yes, at what depth is the weak point planned?	
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?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

Design B - Cement Program

Casing	Cement Stage	# sx	Density (ppg)	Yield (ft^3/sack)	Depth (MD)	Volume (ft^3)	% Excess	Slurry Description
13.375 in	LEAD	210	12.5	2.12	0' - 313'	450	100%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	313' - 500'	268		Class C: Retarder
9.625 in	LEAD	280	12.5	2.12	0' - 1503'	600	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	1503' - 2175'	268		Class C: Retarder
7.625 in - 5.5 in	LEAD	880	12.5	2.12	1975' - 8958'	1870	25%	Class H: Salt, Gel, Extender, LCM, Defoamer
	TAIL	3000	15.6	1.18	8958' - 22177'	3540		Class H: Retarder, Fluid Loss, Defoamer

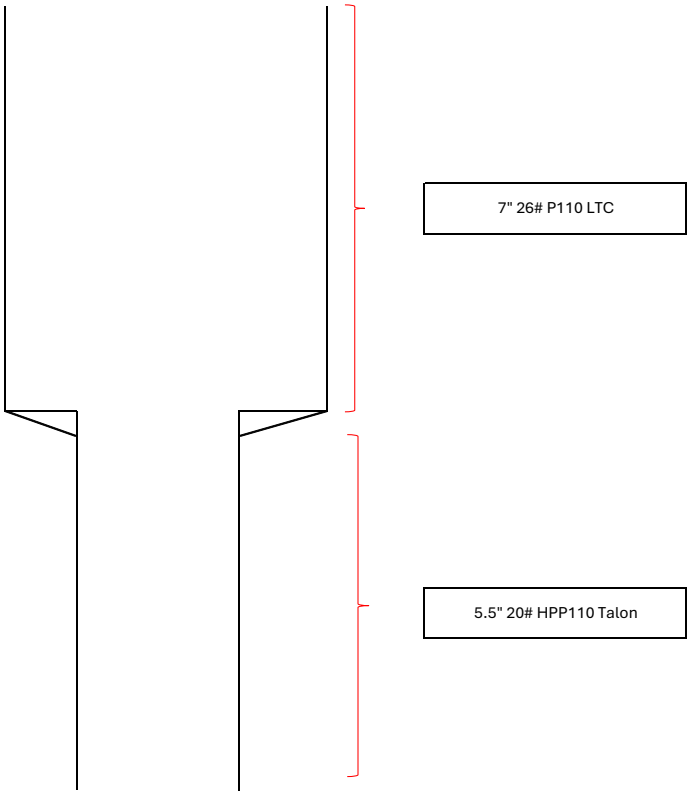
Mewbourne Oil Company, Pinta 29/27 Fed Com 522H
Sec 29, T20S, R27E
SHL: 1710' FNL & 355' FWL (Sec 29)
BHL: 660' FNL & 100' FEL (Sec 27)

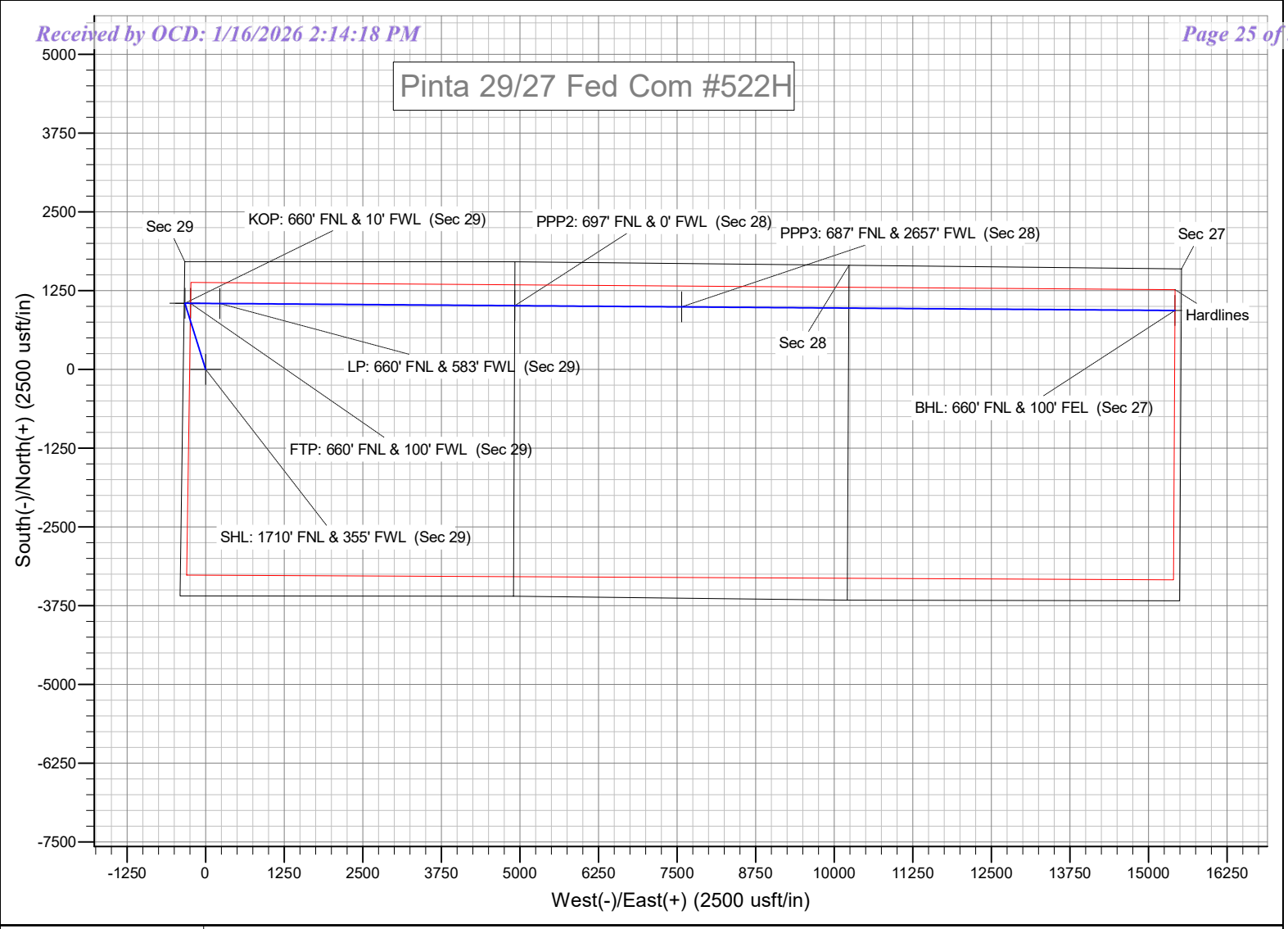
Casing Design A

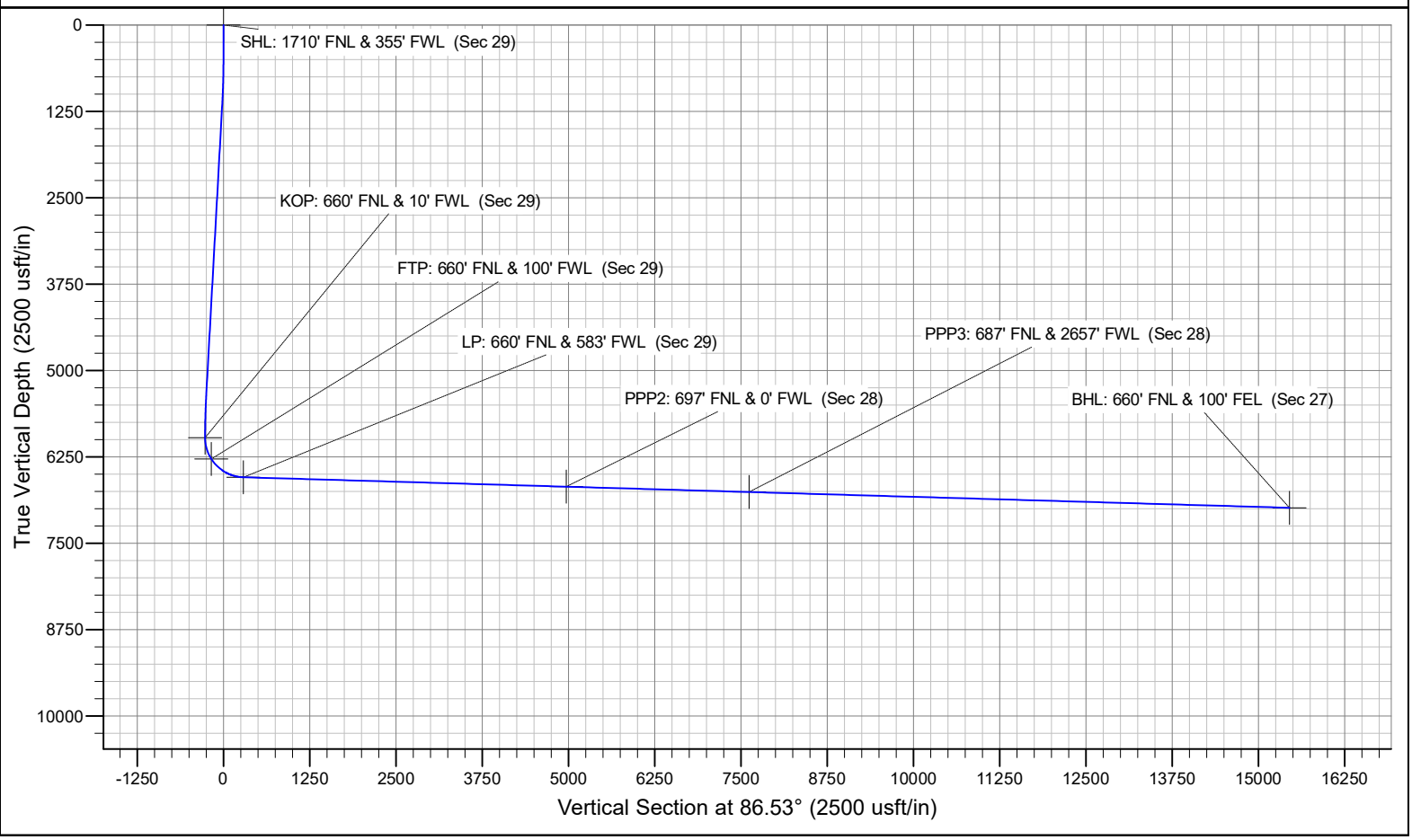
Hole Size	*From*	*To*	*Csg. Size*	*#/ft*	*Grade*	*Conn.*	*SF Collapse*	*SF Burst*	*SF Jt Tension*	*SF Body Tension*
8.75	0'	6091'	7" 26# P110 LTC				2.07	3.30	4.38	5.24
8.5	6091'	22177'	5.5" 20# HPP110 Talon				2.65	3.02	1.70	1.99

Casing Design B

Hole Size	*From*	*To*	*Csg. Size*	*#/ft*	*Grade*	*Conn.*	*SF Collapse*	*SF Burst*	*SF Jt Tension*	*SF Body Tension*
8.75	0'	6091'	7 5/8" 29.7# HCP110 GBCD				2.37	3.14	4.25	5.2
8.5	6091'	22177'	5.5" 20# HPP110 Talon				2.65	3.02	1.7	1.99




Pinta 29/27 Fed Com #522H
Sec 29
KOP: 660' FNL & 10' FWL (Sec 29)
PPP2: 697' FNL & 0' FWL (Sec 28)
PPP3: 687' FNL & 2657' FWL (Sec 28)
Sec 27
Hardlines
Sec 28
LP: 660' FNL & 583' FWL (Sec 29)
BHL: 660' FNL & 100' FEL (Sec 27)
FTP: 660' FNL & 100' FWL (Sec 29)
SHL: 1710' FNL & 355' FWL (Sec 29)
South(-)/North(+) (2500 usft/in)
West(-)/East(+) (2500 usft/in)


SHL: 1710' FNL & 355' FWL (Sec 29)
KOP: 660' FNL & 10' FWL (Sec 29)
FTP: 660' FNL & 100' FWL (Sec 29)
LP: 660' FNL & 583' FWL (Sec 29)
PPP3: 687' FNL & 2657' FWL (Sec 28)
PPP2: 697' FNL & 0' FWL (Sec 28)
BHL: 660' FNL & 100' FEL (Sec 27)
True Vertical Depth (2500 usft/in)
Vertical Section at 86.53° (2500 usft/in)

Mewbourne Oil Company

Eddy County, New Mexico NAD 83
Pinta 29/27 Fed Com #522H
Sec 29, T20S, R27E
SHL: 1710' FNL & 355' FWL (Sec 29)
BHL: 660' FNL & 100' FEL (Sec 27)

Plan: Design #1

Standard Planning Report

06 October, 2025

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Pinta 29/27 Fed Com #522H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3254.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3254.0usft (Original Well Elev)
Site:	Pinta 29/27 Fed Com #522H	**North Reference:**	Grid
Well:	Sec 29, T20S, R27E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 660' FNL & 100' FEL (Sec 27)		
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 Pinta 29/27 Fed Com #522H

Site Position:		**Northing:**	562,816.50 usft	**Latitude:**	32.5472378
From:	Map	**Easting:**	548,270.00 usft	**Longitude:**	-104.3108349
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "		

Well Sec 29, T20S, R27E

Well Position	**+N/-S**	0.0 usft	**Northing:**	562,816.50 usft	**Latitude:**	32.5472378
	+E/-W	0.0 usft	**Easting:**	548,270.00 usft	**Longitude:**	-104.3108349
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	3,254.0 usft	**Ground Level:**	3,226.0 usft
Grid Convergence:		0.01 °				

Wellbore BHL: 660' FNL & 100' FEL (Sec 27)

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.51	60.27	48,351.95811240

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	86.53

Plan Survey Tool Program **Date** 10/6/2025

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	22,177.3	Design #1 (BHL: 660' FNL & 100'		

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	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,141.9	12.84	342.55	1,136.5	68.3	-21.5	2.00	2.00	0.00	342.55	
5,449.5	12.84	342.55	5,336.5	981.4	-308.4	0.00	0.00	0.00	0.00	
6,091.4	0.00	0.00	5,973.0	1,049.7	-329.9	2.00	-2.00	0.00	180.00	KOP: 660' FNL & 10' I
6,975.2	88.33	90.42	6,546.0	1,045.7	226.7	10.00	10.00	0.00	90.42	
22,177.3	88.33	90.42	6,988.0	935.1	15,422.0	0.00	0.00	0.00	0.00	BHL: 660' FNL & 100'

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Pinta 29/27 Fed Com #522H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3254.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3254.0usft (Original Well Elev)
Site:	Pinta 29/27 Fed Com #522H	**North Reference:**	Grid
Well:	Sec 29, T20S, R27E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 660' FNL & 100' FEL (Sec 27)		
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
SHL: 1710' FNL & 355' FWL (Sec 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	2.00	342.55	600.0	1.7	-0.5	-0.4	2.00	2.00	0.00
700.0	4.00	342.55	699.8	6.7	-2.1	-1.7	2.00	2.00	0.00
800.0	6.00	342.55	799.5	15.0	-4.7	-3.8	2.00	2.00	0.00
900.0	8.00	342.55	898.7	26.6	-8.4	-6.7	2.00	2.00	0.00
1,000.0	10.00	342.55	997.5	41.5	-13.0	-10.5	2.00	2.00	0.00
1,100.0	12.00	342.55	1,095.6	59.7	-18.8	-15.1	2.00	2.00	0.00
1,141.9	12.84	342.55	1,136.5	68.3	-21.5	-17.3	2.00	2.00	0.00
1,200.0	12.84	342.55	1,193.2	80.6	-25.3	-20.4	0.00	0.00	0.00
1,300.0	12.84	342.55	1,290.7	101.8	-32.0	-25.8	0.00	0.00	0.00
1,400.0	12.84	342.55	1,388.2	123.0	-38.7	-31.1	0.00	0.00	0.00
1,500.0	12.84	342.55	1,485.7	144.2	-45.3	-36.5	0.00	0.00	0.00
1,600.0	12.84	342.55	1,583.2	165.4	-52.0	-41.9	0.00	0.00	0.00
1,700.0	12.84	342.55	1,680.7	186.6	-58.7	-47.2	0.00	0.00	0.00
1,800.0	12.84	342.55	1,778.2	207.8	-65.3	-52.6	0.00	0.00	0.00
1,900.0	12.84	342.55	1,875.7	229.0	-72.0	-58.0	0.00	0.00	0.00
2,000.0	12.84	342.55	1,973.2	250.2	-78.6	-63.3	0.00	0.00	0.00
2,100.0	12.84	342.55	2,070.7	271.4	-85.3	-68.7	0.00	0.00	0.00
2,200.0	12.84	342.55	2,168.2	292.6	-92.0	-74.1	0.00	0.00	0.00
2,300.0	12.84	342.55	2,265.7	313.8	-98.6	-79.4	0.00	0.00	0.00
2,400.0	12.84	342.55	2,363.2	335.0	-105.3	-84.8	0.00	0.00	0.00
2,500.0	12.84	342.55	2,460.7	356.2	-111.9	-90.2	0.00	0.00	0.00
2,600.0	12.84	342.55	2,558.2	377.4	-118.6	-95.5	0.00	0.00	0.00
2,700.0	12.84	342.55	2,655.7	398.6	-125.3	-100.9	0.00	0.00	0.00
2,800.0	12.84	342.55	2,753.2	419.8	-131.9	-106.3	0.00	0.00	0.00
2,900.0	12.84	342.55	2,850.7	441.0	-138.6	-111.6	0.00	0.00	0.00
3,000.0	12.84	342.55	2,948.2	462.2	-145.3	-117.0	0.00	0.00	0.00
3,100.0	12.84	342.55	3,045.7	483.4	-151.9	-122.4	0.00	0.00	0.00
3,200.0	12.84	342.55	3,143.2	504.6	-158.6	-127.7	0.00	0.00	0.00
3,300.0	12.84	342.55	3,240.7	525.8	-165.2	-133.1	0.00	0.00	0.00
3,400.0	12.84	342.55	3,338.2	547.0	-171.9	-138.5	0.00	0.00	0.00
3,500.0	12.84	342.55	3,435.7	568.2	-178.6	-143.8	0.00	0.00	0.00
3,600.0	12.84	342.55	3,533.2	589.4	-185.2	-149.2	0.00	0.00	0.00
3,700.0	12.84	342.55	3,630.7	610.5	-191.9	-154.6	0.00	0.00	0.00
3,800.0	12.84	342.55	3,728.2	631.7	-198.5	-159.9	0.00	0.00	0.00
3,900.0	12.84	342.55	3,825.7	652.9	-205.2	-165.3	0.00	0.00	0.00
4,000.0	12.84	342.55	3,923.2	674.1	-211.9	-170.7	0.00	0.00	0.00
4,100.0	12.84	342.55	4,020.7	695.3	-218.5	-176.0	0.00	0.00	0.00
4,200.0	12.84	342.55	4,118.2	716.5	-225.2	-181.4	0.00	0.00	0.00
4,300.0	12.84	342.55	4,215.7	737.7	-231.9	-186.8	0.00	0.00	0.00
4,400.0	12.84	342.55	4,313.2	758.9	-238.5	-192.1	0.00	0.00	0.00
4,500.0	12.84	342.55	4,410.7	780.1	-245.2	-197.5	0.00	0.00	0.00
4,600.0	12.84	342.55	4,508.2	801.3	-251.8	-202.9	0.00	0.00	0.00
4,700.0	12.84	342.55	4,605.7	822.5	-258.5	-208.2	0.00	0.00	0.00
4,800.0	12.84	342.55	4,703.2	843.7	-265.2	-213.6	0.00	0.00	0.00
4,900.0	12.84	342.55	4,800.7	864.9	-271.8	-219.0	0.00	0.00	0.00
5,000.0	12.84	342.55	4,898.2	886.1	-278.5	-224.3	0.00	0.00	0.00
5,100.0	12.84	342.55	4,995.7	907.3	-285.1	-229.7	0.00	0.00	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Pinta 29/27 Fed Com #522H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3254.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3254.0usft (Original Well Elev)
Site:	Pinta 29/27 Fed Com #522H	**North Reference:**	Grid
Well:	Sec 29, T20S, R27E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 660' FNL & 100' FEL (Sec 27)		
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)
5,200.0	12.84	342.55	5,093.2	928.5	-291.8	-235.1	0.00	0.00	0.00
5,300.0	12.84	342.55	5,190.7	949.7	-298.5	-240.4	0.00	0.00	0.00
5,400.0	12.84	342.55	5,288.2	970.9	-305.1	-245.8	0.00	0.00	0.00
5,449.5	12.84	342.55	5,336.5	981.4	-308.4	-248.5	0.00	0.00	0.00
5,500.0	11.83	342.55	5,385.8	991.7	-311.7	-251.1	2.00	-2.00	0.00
5,600.0	9.83	342.55	5,484.0	1,009.6	-317.3	-255.6	2.00	-2.00	0.00
5,700.0	7.83	342.55	5,582.8	1,024.2	-321.9	-259.3	2.00	-2.00	0.00
5,800.0	5.83	342.55	5,682.1	1,035.6	-325.5	-262.2	2.00	-2.00	0.00
5,900.0	3.83	342.55	5,781.8	1,043.6	-328.0	-264.2	2.00	-2.00	0.00
6,000.0	1.83	342.55	5,881.6	1,048.3	-329.5	-265.4	2.00	-2.00	0.00
6,091.4	0.00	0.00	5,973.0	1,049.7	-329.9	-265.8	2.00	-2.00	0.00
KOP: 660' FNL & 10' FWL (Sec 29)									
6,100.0	0.86	90.42	5,981.6	1,049.7	-329.8	-265.7	10.00	10.00	0.00
6,150.0	5.86	90.42	6,031.5	1,049.7	-326.9	-262.8	10.00	10.00	0.00
6,200.0	10.86	90.42	6,081.0	1,049.6	-319.6	-255.5	10.00	10.00	0.00
6,250.0	15.85	90.42	6,129.6	1,049.5	-308.1	-244.0	10.00	10.00	0.00
6,300.0	20.85	90.42	6,177.0	1,049.4	-292.4	-228.3	10.00	10.00	0.00
6,350.0	25.85	90.42	6,222.9	1,049.3	-272.5	-208.5	10.00	10.00	0.00
6,400.0	30.85	90.42	6,266.9	1,049.1	-248.8	-184.9	10.00	10.00	0.00
6,417.0	32.54	90.42	6,281.4	1,049.0	-239.9	-176.0	10.00	10.00	0.00
FTP: 660' FNL & 100' FWL (Sec 29)									
6,450.0	35.84	90.42	6,308.7	1,048.9	-221.3	-157.5	10.00	10.00	0.00
6,500.0	40.84	90.42	6,347.9	1,048.7	-190.3	-126.5	10.00	10.00	0.00
6,550.0	45.84	90.42	6,384.2	1,048.4	-156.0	-92.3	10.00	10.00	0.00
6,600.0	50.84	90.42	6,417.5	1,048.2	-118.7	-55.0	10.00	10.00	0.00
6,650.0	55.83	90.42	6,447.3	1,047.9	-78.6	-15.0	10.00	10.00	0.00
6,700.0	60.83	90.42	6,473.5	1,047.6	-36.1	27.4	10.00	10.00	0.00
6,750.0	65.83	90.42	6,496.0	1,047.2	8.6	72.0	10.00	10.00	0.00
6,800.0	70.83	90.42	6,514.4	1,046.9	55.1	118.3	10.00	10.00	0.00
6,850.0	75.82	90.42	6,528.8	1,046.6	102.9	166.1	10.00	10.00	0.00
6,900.0	80.82	90.42	6,538.9	1,046.2	151.9	214.9	10.00	10.00	0.00
6,950.0	85.82	90.42	6,544.7	1,045.8	201.5	264.5	10.00	10.00	0.00
6,975.2	88.33	90.42	6,546.0	1,045.7	226.7	289.5	10.00	10.00	0.00
LP: 660' FNL & 583' FWL (Sec 29)									
7,000.0	88.33	90.42	6,546.7	1,045.5	251.5	314.3	0.00	0.00	0.00
7,100.0	88.33	90.42	6,549.6	1,044.7	351.4	414.0	0.00	0.00	0.00
7,200.0	88.33	90.42	6,552.5	1,044.0	451.4	513.8	0.00	0.00	0.00
7,300.0	88.33	90.42	6,555.4	1,043.3	551.3	613.5	0.00	0.00	0.00
7,400.0	88.33	90.42	6,558.4	1,042.6	651.3	713.2	0.00	0.00	0.00
7,500.0	88.33	90.42	6,561.3	1,041.8	751.3	812.9	0.00	0.00	0.00
7,600.0	88.33	90.42	6,564.2	1,041.1	851.2	912.7	0.00	0.00	0.00
7,700.0	88.33	90.42	6,567.1	1,040.4	951.2	1,012.4	0.00	0.00	0.00
7,800.0	88.33	90.42	6,570.0	1,039.7	1,051.1	1,112.1	0.00	0.00	0.00
7,900.0	88.33	90.42	6,572.9	1,038.9	1,151.1	1,211.8	0.00	0.00	0.00
8,000.0	88.33	90.42	6,575.8	1,038.2	1,251.0	1,311.6	0.00	0.00	0.00
8,100.0	88.33	90.42	6,578.7	1,037.5	1,351.0	1,411.3	0.00	0.00	0.00
8,200.0	88.33	90.42	6,581.6	1,036.7	1,450.9	1,511.0	0.00	0.00	0.00
8,300.0	88.33	90.42	6,584.5	1,036.0	1,550.9	1,610.8	0.00	0.00	0.00
8,400.0	88.33	90.42	6,587.4	1,035.3	1,650.9	1,710.5	0.00	0.00	0.00
8,500.0	88.33	90.42	6,590.3	1,034.6	1,750.8	1,810.2	0.00	0.00	0.00
8,600.0	88.33	90.42	6,593.2	1,033.8	1,850.8	1,909.9	0.00	0.00	0.00
8,700.0	88.33	90.42	6,596.1	1,033.1	1,950.7	2,009.7	0.00	0.00	0.00
8,800.0	88.33	90.42	6,599.1	1,032.4	2,050.7	2,109.4	0.00	0.00	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Pinta 29/27 Fed Com #522H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3254.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3254.0usft (Original Well Elev)
Site:	Pinta 29/27 Fed Com #522H	**North Reference:**	Grid
Well:	Sec 29, T20S, R27E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 660' FNL & 100' FEL (Sec 27)		
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)
8,900.0	88.33	90.42	6,602.0	1,031.7	2,150.6	2,209.1	0.00	0.00	0.00
9,000.0	88.33	90.42	6,604.9	1,030.9	2,250.6	2,308.9	0.00	0.00	0.00
9,100.0	88.33	90.42	6,607.8	1,030.2	2,350.5	2,408.6	0.00	0.00	0.00
9,200.0	88.33	90.42	6,610.7	1,029.5	2,450.5	2,508.3	0.00	0.00	0.00
9,300.0	88.33	90.42	6,613.6	1,028.7	2,550.5	2,608.0	0.00	0.00	0.00
9,400.0	88.33	90.42	6,616.5	1,028.0	2,650.4	2,707.8	0.00	0.00	0.00
9,500.0	88.33	90.42	6,619.4	1,027.3	2,750.4	2,807.5	0.00	0.00	0.00
9,600.0	88.33	90.42	6,622.3	1,026.6	2,850.3	2,907.2	0.00	0.00	0.00
9,700.0	88.33	90.42	6,625.2	1,025.8	2,950.3	3,006.9	0.00	0.00	0.00
9,800.0	88.33	90.42	6,628.1	1,025.1	3,050.2	3,106.7	0.00	0.00	0.00
9,900.0	88.33	90.42	6,631.0	1,024.4	3,150.2	3,206.4	0.00	0.00	0.00
10,000.0	88.33	90.42	6,633.9	1,023.7	3,250.1	3,306.1	0.00	0.00	0.00
10,100.0	88.33	90.42	6,636.9	1,022.9	3,350.1	3,405.9	0.00	0.00	0.00
10,200.0	88.33	90.42	6,639.8	1,022.2	3,450.0	3,505.6	0.00	0.00	0.00
10,300.0	88.33	90.42	6,642.7	1,021.5	3,550.0	3,605.3	0.00	0.00	0.00
10,400.0	88.33	90.42	6,645.6	1,020.7	3,650.0	3,705.0	0.00	0.00	0.00
10,500.0	88.33	90.42	6,648.5	1,020.0	3,749.9	3,804.8	0.00	0.00	0.00
10,600.0	88.33	90.42	6,651.4	1,019.3	3,849.9	3,904.5	0.00	0.00	0.00
10,700.0	88.33	90.42	6,654.3	1,018.6	3,949.8	4,004.2	0.00	0.00	0.00
10,800.0	88.33	90.42	6,657.2	1,017.8	4,049.8	4,104.0	0.00	0.00	0.00
10,900.0	88.33	90.42	6,660.1	1,017.1	4,149.7	4,203.7	0.00	0.00	0.00
11,000.0	88.33	90.42	6,663.0	1,016.4	4,249.7	4,303.4	0.00	0.00	0.00
11,100.0	88.33	90.42	6,665.9	1,015.7	4,349.6	4,403.1	0.00	0.00	0.00
11,200.0	88.33	90.42	6,668.8	1,014.9	4,449.6	4,502.9	0.00	0.00	0.00
11,300.0	88.33	90.42	6,671.7	1,014.2	4,549.6	4,602.6	0.00	0.00	0.00
11,400.0	88.33	90.42	6,674.7	1,013.5	4,649.5	4,702.3	0.00	0.00	0.00
11,500.0	88.33	90.42	6,677.6	1,012.7	4,749.5	4,802.0	0.00	0.00	0.00
11,600.0	88.33	90.42	6,680.5	1,012.0	4,849.4	4,901.8	0.00	0.00	0.00
11,667.7	88.33	90.42	6,682.4	1,011.5	4,917.1	4,969.3	0.00	0.00	0.00
PPP2: 697' FNL & 0' FWL (Sec 28)									
11,700.0	88.33	90.42	6,683.4	1,011.3	4,949.4	5,001.5	0.00	0.00	0.00
11,800.0	88.33	90.42	6,686.3	1,010.6	5,049.3	5,101.2	0.00	0.00	0.00
11,900.0	88.33	90.42	6,689.2	1,009.8	5,149.3	5,201.0	0.00	0.00	0.00
12,000.0	88.33	90.42	6,692.1	1,009.1	5,249.2	5,300.7	0.00	0.00	0.00
12,100.0	88.33	90.42	6,695.0	1,008.4	5,349.2	5,400.4	0.00	0.00	0.00
12,200.0	88.33	90.42	6,697.9	1,007.7	5,449.1	5,500.1	0.00	0.00	0.00
12,300.0	88.33	90.42	6,700.8	1,006.9	5,549.1	5,599.9	0.00	0.00	0.00
12,400.0	88.33	90.42	6,703.7	1,006.2	5,649.1	5,699.6	0.00	0.00	0.00
12,500.0	88.33	90.42	6,706.6	1,005.5	5,749.0	5,799.3	0.00	0.00	0.00
12,600.0	88.33	90.42	6,709.5	1,004.7	5,849.0	5,899.1	0.00	0.00	0.00
12,700.0	88.33	90.42	6,712.4	1,004.0	5,948.9	5,998.8	0.00	0.00	0.00
12,800.0	88.33	90.42	6,715.4	1,003.3	6,048.9	6,098.5	0.00	0.00	0.00
12,900.0	88.33	90.42	6,718.3	1,002.6	6,148.8	6,198.2	0.00	0.00	0.00
13,000.0	88.33	90.42	6,721.2	1,001.8	6,248.8	6,298.0	0.00	0.00	0.00
13,100.0	88.33	90.42	6,724.1	1,001.1	6,348.7	6,397.7	0.00	0.00	0.00
13,200.0	88.33	90.42	6,727.0	1,000.4	6,448.7	6,497.4	0.00	0.00	0.00
13,300.0	88.33	90.42	6,729.9	999.7	6,548.7	6,597.2	0.00	0.00	0.00
13,400.0	88.33	90.42	6,732.8	998.9	6,648.6	6,696.9	0.00	0.00	0.00
13,500.0	88.33	90.42	6,735.7	998.2	6,748.6	6,796.6	0.00	0.00	0.00
13,600.0	88.33	90.42	6,738.6	997.5	6,848.5	6,896.3	0.00	0.00	0.00
13,700.0	88.33	90.42	6,741.5	996.7	6,948.5	6,996.1	0.00	0.00	0.00
13,800.0	88.33	90.42	6,744.4	996.0	7,048.4	7,095.8	0.00	0.00	0.00
13,900.0	88.33	90.42	6,747.3	995.3	7,148.4	7,195.5	0.00	0.00	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Pinta 29/27 Fed Com #522H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3254.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3254.0usft (Original Well Elev)
Site:	Pinta 29/27 Fed Com #522H	**North Reference:**	Grid
Well:	Sec 29, T20S, R27E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 660' FNL & 100' FEL (Sec 27)		
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)
14,000.0	88.33	90.42	6,750.2	994.6	7,248.3	7,295.2	0.00	0.00	0.00
14,100.0	88.33	90.42	6,753.2	993.8	7,348.3	7,395.0	0.00	0.00	0.00
14,200.0	88.33	90.42	6,756.1	993.1	7,448.2	7,494.7	0.00	0.00	0.00
14,300.0	88.33	90.42	6,759.0	992.4	7,548.2	7,594.4	0.00	0.00	0.00
14,325.4	88.33	90.42	6,759.7	992.2	7,573.6	7,619.8	0.00	0.00	0.00
PPP3: 687' FNL & 2657' FWL (Sec 28)									
14,400.0	88.33	90.42	6,761.9	991.7	7,648.2	7,694.2	0.00	0.00	0.00
14,500.0	88.33	90.42	6,764.8	990.9	7,748.1	7,793.9	0.00	0.00	0.00
14,600.0	88.33	90.42	6,767.7	990.2	7,848.1	7,893.6	0.00	0.00	0.00
14,700.0	88.33	90.42	6,770.6	989.5	7,948.0	7,993.3	0.00	0.00	0.00
14,800.0	88.33	90.42	6,773.5	988.7	8,048.0	8,093.1	0.00	0.00	0.00
14,900.0	88.33	90.42	6,776.4	988.0	8,147.9	8,192.8	0.00	0.00	0.00
15,000.0	88.33	90.42	6,779.3	987.3	8,247.9	8,292.5	0.00	0.00	0.00
15,100.0	88.33	90.42	6,782.2	986.6	8,347.8	8,392.3	0.00	0.00	0.00
15,200.0	88.33	90.42	6,785.1	985.8	8,447.8	8,492.0	0.00	0.00	0.00
15,300.0	88.33	90.42	6,788.0	985.1	8,547.8	8,591.7	0.00	0.00	0.00
15,400.0	88.33	90.42	6,791.0	984.4	8,647.7	8,691.4	0.00	0.00	0.00
15,500.0	88.33	90.42	6,793.9	983.7	8,747.7	8,791.2	0.00	0.00	0.00
15,600.0	88.33	90.42	6,796.8	982.9	8,847.6	8,890.9	0.00	0.00	0.00
15,700.0	88.33	90.42	6,799.7	982.2	8,947.6	8,990.6	0.00	0.00	0.00
15,800.0	88.33	90.42	6,802.6	981.5	9,047.5	9,090.3	0.00	0.00	0.00
15,900.0	88.33	90.42	6,805.5	980.7	9,147.5	9,190.1	0.00	0.00	0.00
16,000.0	88.33	90.42	6,808.4	980.0	9,247.4	9,289.8	0.00	0.00	0.00
16,100.0	88.33	90.42	6,811.3	979.3	9,347.4	9,389.5	0.00	0.00	0.00
16,200.0	88.33	90.42	6,814.2	978.6	9,447.4	9,489.3	0.00	0.00	0.00
16,300.0	88.33	90.42	6,817.1	977.8	9,547.3	9,589.0	0.00	0.00	0.00
16,400.0	88.33	90.42	6,820.0	977.1	9,647.3	9,688.7	0.00	0.00	0.00
16,500.0	88.33	90.42	6,822.9	976.4	9,747.2	9,788.4	0.00	0.00	0.00
16,600.0	88.33	90.42	6,825.8	975.7	9,847.2	9,888.2	0.00	0.00	0.00
16,700.0	88.33	90.42	6,828.7	974.9	9,947.1	9,987.9	0.00	0.00	0.00
16,800.0	88.33	90.42	6,831.7	974.2	10,047.1	10,087.6	0.00	0.00	0.00
16,900.0	88.33	90.42	6,834.6	973.5	10,147.0	10,187.4	0.00	0.00	0.00
17,000.0	88.33	90.42	6,837.5	972.7	10,247.0	10,287.1	0.00	0.00	0.00
17,100.0	88.33	90.42	6,840.4	972.0	10,346.9	10,386.8	0.00	0.00	0.00
17,200.0	88.33	90.42	6,843.3	971.3	10,446.9	10,486.5	0.00	0.00	0.00
17,300.0	88.33	90.42	6,846.2	970.6	10,546.9	10,586.3	0.00	0.00	0.00
17,400.0	88.33	90.42	6,849.1	969.8	10,646.8	10,686.0	0.00	0.00	0.00
17,500.0	88.33	90.42	6,852.0	969.1	10,746.8	10,785.7	0.00	0.00	0.00
17,600.0	88.33	90.42	6,854.9	968.4	10,846.7	10,885.4	0.00	0.00	0.00
17,700.0	88.33	90.42	6,857.8	967.7	10,946.7	10,985.2	0.00	0.00	0.00
17,800.0	88.33	90.42	6,860.7	966.9	11,046.6	11,084.9	0.00	0.00	0.00
17,900.0	88.33	90.42	6,863.6	966.2	11,146.6	11,184.6	0.00	0.00	0.00
18,000.0	88.33	90.42	6,866.5	965.5	11,246.5	11,284.4	0.00	0.00	0.00
18,100.0	88.33	90.42	6,869.5	964.8	11,346.5	11,384.1	0.00	0.00	0.00
18,200.0	88.33	90.42	6,872.4	964.0	11,446.5	11,483.8	0.00	0.00	0.00
18,300.0	88.33	90.42	6,875.3	963.3	11,546.4	11,583.5	0.00	0.00	0.00
18,400.0	88.33	90.42	6,878.2	962.6	11,646.4	11,683.3	0.00	0.00	0.00
18,500.0	88.33	90.42	6,881.1	961.8	11,746.3	11,783.0	0.00	0.00	0.00
18,600.0	88.33	90.42	6,884.0	961.1	11,846.3	11,882.7	0.00	0.00	0.00
18,700.0	88.33	90.42	6,886.9	960.4	11,946.2	11,982.5	0.00	0.00	0.00
18,800.0	88.33	90.42	6,889.8	959.7	12,046.2	12,082.2	0.00	0.00	0.00
18,900.0	88.33	90.42	6,892.7	958.9	12,146.1	12,181.9	0.00	0.00	0.00
19,000.0	88.33	90.42	6,895.6	958.2	12,246.1	12,281.6	0.00	0.00	0.00
19,100.0	88.33	90.42	6,898.5	957.5	12,346.0	12,381.4	0.00	0.00	0.00

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Pinta 29/27 Fed Com #522H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3254.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3254.0usft (Original Well Elev)
Site:	Pinta 29/27 Fed Com #522H	**North Reference:**	Grid
Well:	Sec 29, T20S, R27E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 660' FNL & 100' FEL (Sec 27)		
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)
19,200.0	88.33	90.42	6,901.4	956.8	12,446.0	12,481.1	0.00	0.00	0.00
19,300.0	88.33	90.42	6,904.3	956.0	12,546.0	12,580.8	0.00	0.00	0.00
19,400.0	88.33	90.42	6,907.2	955.3	12,645.9	12,680.5	0.00	0.00	0.00
19,500.0	88.33	90.42	6,910.2	954.6	12,745.9	12,780.3	0.00	0.00	0.00
19,600.0	88.33	90.42	6,913.1	953.8	12,845.8	12,880.0	0.00	0.00	0.00
19,700.0	88.33	90.42	6,916.0	953.1	12,945.8	12,979.7	0.00	0.00	0.00
19,800.0	88.33	90.42	6,918.9	952.4	13,045.7	13,079.5	0.00	0.00	0.00
19,900.0	88.33	90.42	6,921.8	951.7	13,145.7	13,179.2	0.00	0.00	0.00
20,000.0	88.33	90.42	6,924.7	950.9	13,245.6	13,278.9	0.00	0.00	0.00
20,100.0	88.33	90.42	6,927.6	950.2	13,345.6	13,378.6	0.00	0.00	0.00
20,200.0	88.33	90.42	6,930.5	949.5	13,445.6	13,478.4	0.00	0.00	0.00
20,300.0	88.33	90.42	6,933.4	948.8	13,545.5	13,578.1	0.00	0.00	0.00
20,400.0	88.33	90.42	6,936.3	948.0	13,645.5	13,677.8	0.00	0.00	0.00
20,500.0	88.33	90.42	6,939.2	947.3	13,745.4	13,777.6	0.00	0.00	0.00
20,600.0	88.33	90.42	6,942.1	946.6	13,845.4	13,877.3	0.00	0.00	0.00
20,700.0	88.33	90.42	6,945.0	945.8	13,945.3	13,977.0	0.00	0.00	0.00
20,800.0	88.33	90.42	6,948.0	945.1	14,045.3	14,076.7	0.00	0.00	0.00
20,900.0	88.33	90.42	6,950.9	944.4	14,145.2	14,176.5	0.00	0.00	0.00
21,000.0	88.33	90.42	6,953.8	943.7	14,245.2	14,276.2	0.00	0.00	0.00
21,100.0	88.33	90.42	6,956.7	942.9	14,345.1	14,375.9	0.00	0.00	0.00
21,200.0	88.33	90.42	6,959.6	942.2	14,445.1	14,475.6	0.00	0.00	0.00
21,300.0	88.33	90.42	6,962.5	941.5	14,545.1	14,575.4	0.00	0.00	0.00
21,400.0	88.33	90.42	6,965.4	940.8	14,645.0	14,675.1	0.00	0.00	0.00
21,500.0	88.33	90.42	6,968.3	940.0	14,745.0	14,774.8	0.00	0.00	0.00
21,600.0	88.33	90.42	6,971.2	939.3	14,844.9	14,874.6	0.00	0.00	0.00
21,700.0	88.33	90.42	6,974.1	938.6	14,944.9	14,974.3	0.00	0.00	0.00
21,800.0	88.33	90.42	6,977.0	937.8	15,044.8	15,074.0	0.00	0.00	0.00
21,900.0	88.33	90.42	6,979.9	937.1	15,144.8	15,173.7	0.00	0.00	0.00
22,000.0	88.33	90.42	6,982.8	936.4	15,244.7	15,273.5	0.00	0.00	0.00
22,100.0	88.33	90.42	6,985.8	935.7	15,344.7	15,373.2	0.00	0.00	0.00
22,177.3	88.33	90.42	6,988.0	935.1	15,422.0	15,450.3	0.00	0.00	0.00
BHL: 660' FNL & 100' FEL (Sec 27)									

Planning Report

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Pinta 29/27 Fed Com #522H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3254.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	**MD Reference:**	WELL @ 3254.0usft (Original Well Elev)
Site:	Pinta 29/27 Fed Com #522H	**North Reference:**	Grid
Well:	Sec 29, T20S, R27E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 660' FNL & 100' FEL (Sec 27)		
Design:	Design #1		

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: 1710' FNL & 355' F - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	562,816.50	548,270.00	32.5472378	-104.3108349
KOP: 660' FNL & 10' FW - plan hits target center - Point	0.00	0.00	5,973.0	1,049.7	-329.9	563,866.20	547,940.10	32.5501233	-104.3119049
FTP: 660' FNL & 100' FV - plan hits target center - Point	0.00	0.00	6,281.4	1,049.0	-239.9	563,865.55	548,030.10	32.5501215	-104.3116128
LP: 660' FNL & 583' FWI - plan hits target center - Point	0.00	0.00	6,546.0	1,045.7	226.7	563,862.15	548,496.66	32.5501119	-104.3100986
PPP2: 697' FNL & 0' FW - plan hits target center - Point	0.00	0.00	6,682.4	1,011.5	4,917.1	563,828.03	553,187.10	32.5500143	-104.2948760
PPP3: 687' FNL & 2657' - plan hits target center - Point	0.00	0.00	6,759.7	992.2	7,573.6	563,808.70	555,843.60	32.5499583	-104.2862545
BHL: 660' FNL & 100' FE - plan hits target center - Point	0.00	0.00	6,988.0	935.1	15,422.0	563,751.60	563,692.00	32.5497892	-104.2607830

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88240	OGRID: 14744
	Action Number: 544099
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Work was performed without OCD approval.	3/3/2026