

Submit 1 Copy To Appropriate District

Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM
 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised August 1, 2011

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-54498
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator Mewbourne Oil Company		6. State Oil & Gas Lease No.
3. Address of Operator PO Box 5270, Hobbs, NM 88240		7. Lease Name or Unit Agreement Name Squints 4/5 Fee
4. Well Location Unit Letter <u>L</u> : <u>1350</u> feet from the <u>South</u> line and <u>205</u> feet from the <u>West</u> line Section <u>3</u> Township <u>22S</u> Range <u>27E</u> NMPM <u>83</u> County <u>Eddy</u>		8. Well Number #556H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) KB: 3130'		9. OGRID Number 14744
		10. Pool name or Wildcat Cass Draw; Bone Spring (10380)

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐ DOWNHOLE COMMINGLE ☐		SUBSEQUENT REPORT OF: REMEDIAL WORK ☐ ALTERING CASING ☐ COMMENCE DRILLING OPNS. ☐ P AND A ☐ CASING/CEMENT JOB ☐	
OTHER: ☒		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Mewbourne Oil Company requests that the following changes be made to the Squints 4/5 Fee #556H well (30-015-54498):

1. Change BHL f/ 1980 FSL & 2547 FEL (5) to 1380 FSL & 2545 FEL (5)
2. Change dedicated acreage f/ 240 to 480
3. Change well name f/ Squints 4/5 Fee #556H to Squints 4/5 Fee #557H
4. Attached C102, Drlg Plan, Dir Plan, Dir Plot, & Csg Assumptions reflecting requested changes

Spud Date:

8/1/25

Rig Release Date:

9/1/25

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Ryan McDaniel TITLE Engineer DATE 6/9/25
 Type or print name Ryan McDaniel E-mail address: RyanMcDaniel@Mewbourne.com PHONE: 575-393-5905
For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____
 Conditions of Approval (if any): _____

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 30-015-54498	Pool Code 10380	Pool Name CASS DRAW; BONE SPRING
Property Code	Property Name SQUINTS 4/5 FEE	Well Number 557H
OGRID No. 14744	Operator Name MEWBOURNE OIL COMPANY	Ground Level Elevation 3102'
Surface Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal

Surface Location

UL L	Section 3	Township 22S	Range 27E	Lot	Ft. from N/S 1350 FSL	Ft. from E/W 205 FWL	Latitude 32.4184418°N	Longitude 104.1853207°W	County EDDY
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Bottom Hole Location

UL J	Section 5	Township 22S	Range 27E	Lot	Ft. from N/S 1380 FSL	Ft. from E/W 2545 FEL	Latitude 32.4185470°N	Longitude 104.2114324°W	County EDDY
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Dedicated Acres 480	Infill or Defining Well DEFINING	Defining Well API NA	Overlapping Spacing Unit (Y/N) N	Consolidation Code NA
Order Numbers.			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL L	Section 3	Township 22S	Range 27E	Lot	Ft. from N/S 1380 FSL	Ft. from E/W 473 FWL	Latitude 32.4185163°N	Longitude 104.1844544°W	County EDDY
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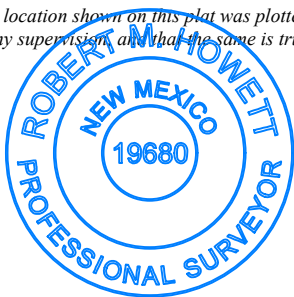
First Take Point (FTP)

UL I	Section 4	Township 22S	Range 27E	Lot	Ft. from N/S 1380 FSL	Ft. from E/W 100 FEL	Latitude 32.4185338°N	Longitude 104.1863108°W	County EDDY
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Last Take Point (LTP)

UL J	Section 5	Township 22S	Range 27E	Lot	Ft. from N/S 1380 FSL	Ft. from E/W 2545 FEL	Latitude 32.4185470°N	Longitude 104.2114324°W	County EDDY
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Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3130
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OPERATOR CERTIFICATIONS <i>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.</i> <i>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.</i> Ryan McDaniel 6/9/25		SURVEYOR CERTIFICATIONS <i>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.</i> 	
Signature Date		Signature and Seal of Professional Surveyor	
Ryan McDaniel		Robert M. Howett	
Printed Name		Certificate Number	Date of Survey
RyanMcDaniel@Mewbourne.com		19680	12/05/2023
Email Address			

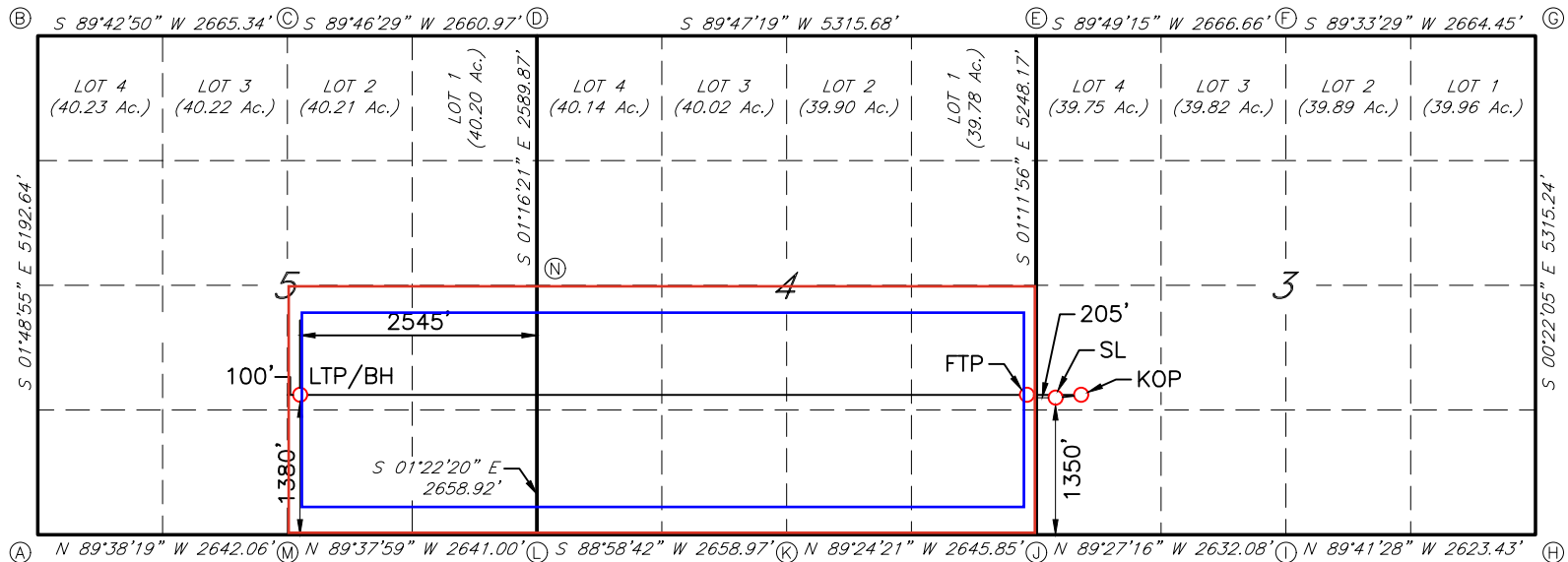
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

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.

SQUINTS 4/5 FEE #557H



GEODETTIC DATA
NAD 83 GRID - NM EAST

SURFACE LOCATION (SL)
1350' FSL - 205' FWL SEC.3
N: 515992.0 - E: 587010.1

LAT: 32.4184418° N
LONG: 104.1853207° W

KICK OFF POINT (KOP)
1380' FSL - 473' FWL SEC.3
N: 516019.4 - E: 587277.4

LAT: 32.4185163° N
LONG: 104.1844544° W

FIRST TAKE POINT (FTP)
1380' FSL - 100' FEL SEC.4
N: 516025.0 - E: 586704.5

LAT: 32.4185338° N
LONG: 104.1863108° W

LAST TAKE POINT/BOTTOM HOLE (LTP/BH)
1380' FSL - 2545' FEL SEC.5
N: 516020.0 - E: 578952.7

LAT: 32.4185470° N
LONG: 104.2114324° W

CORNER DATA
NAD 83 GRID - NM EAST

A: FOUND 1" PIPE
N: 514658.2 - E: 576248.6

B: FOUND 1/2" REBAR
N: 519847.0 - E: 576084.2

C: FOUND ALUMINUM CAP
STAMPED "PS 8510"
N: 519860.3 - E: 578748.8

D: FOUND 1" PIPE
N: 519870.8 - E: 581409.2

E: FOUND 2 7/8" PIPE
N: 519890.4 - E: 586723.6

F: FOUND BRASS CAP "1943"
N: 519898.7 - E: 589389.6

G: FOUND BRASS CAP "1943"
N: 519919.3 - E: 592053.3

H: FOUND 1/2" REBAR
N: 514605.4 - E: 592087.5

I: FOUND 1/2" REBAR
N: 514619.5 - E: 589464.7

J: FOUND 1/2" REBAR
N: 514644.6 - E: 586833.4

K: FOUND 2" IRON PIPE
N: 514672.0 - E: 584188.3

L: FOUND 1" IRON PIPE
N: 514624.6 - E: 581530.3

M: FOUND 1" IRON PIPE
N: 514641.5 - E: 578890.0

N: FOUND 1/2" REBAR
N: 517282.1 - E: 581466.7

JOB #: LS23121026D2

Mewbourne Oil Company							
Squints 4/5 Fee 557H							
SHL: 1350' FSL & 205' FWL (Sec 3)							
BHL: 1380' FSL & 2547' FEL (Sec 5)							
Casing Type	Fluid Type	Hole Size (in)	Casing Description	Top MD	Setting Depth	Sacks Cement	Top of Cement
Surface	Fresh Water	17.5	13.375" 48# H40 STC	0	450	370	0'
Intermediate	Brine	12.25	9.625" 36# J55 LTC	0'	1750	400	0'
Production	Cut-Brine	8.75	7" 26# P110 LTC	0'	7331	650	1550'
Liner	OBM	6.75	4.5" 13.5# P110 LTC	7131'	15984	820	7131'

Formation	Est. Top (TVD)	Formation	Est. Top (TVD)
Rustler		Delaware (Lamar)	1776
Castile		Bell Canyon	2001
Salt Top	474	Cherry Canyon	2685
Marker Bed 126		Manzanita Marker	2800
Salt Base	1723	Basal Brushy Canyon	5045
Yates		Bone Spring	
Seven Rivers		1st Bone Spring Carbonate	5208
Queen		1st Bone Spring Sand	6409
Capitan		2nd Bone Spring Carbonate	6627
Grayburg		2nd Bone Spring Sand	7138
San Andres		3rd Bone Spring Carbonate	7428
Glorietta		3rd Bone Spring Sand	8458
Yeso		Wolfcamp	8796

Mewbourne Oil Company, Squints 4/5 Fee 557H

Sec 3, T22S, R27E

SHL: 1350' FSL 205' FWL (Sec 3)

BHL: 1380' FSL 2547' FEL (Sec 5)

Well Location		GL: 3102'									
Point	Calls	Leases	Aliquot	Section	Township	Range	County	Lat	Long	TVD	MD
SHL	SHL: 1350' FSL & 205' FWL (Sec 3)	Fee	NWSW	3	22S	27E	Eddy	32.4184419	- 104.1853206	0'	0'
KOP	KOP: 1380' FSL & 437' FWL (Sec 3)	Fee	NWSW	3	22S	27E	Eddy	32.4185162	- 104.1844542	7,325'	7,331'
FTP	FTP/LP: 1380' FSL & 100' FEL (Sec 4)	Fee	NESE	4	22S	27E	Eddy	32.4185185	- 104.1863108	7,898'	8,231'
BHL	BHL: 1380' FSL & 2547' FEL (Sec 5)	Fee	NWSE	5	22S	27E	Eddy	32.4185469	- 104.2114323	7,820'	15,984'

GEOLOGY

Formation	Est. Top (TVD)	Lithology	Mineral Resources	Formation	Est. Top (TVD)	Lithology	Mineral Resources
Rustler				Delaware (Lamar)	1776'	Limestone	Oil/Natural Gas
Castile				Bell Canyon	2001'	Sandstone	Oil/Natural Gas
Salt Top	474'	Salt	None	Cherry Canyon	2685'	Sandstone	Oil/Natural Gas
Marker Bed 126				Manzanita Marker	2800'	Limestone	Oil/Natural Gas
Salt Base	1723'	Salt	None	Basal Brushy Canyon	5045'	Sandstone	Oil/Natural Gas
Yates				Bone Spring			
Seven Rivers				1st Bone Spring Carbonate	5208'	Limestone	Oil/Natural Gas
Queen				1st Bone Spring Sand	6409'	Sandstone	Oil/Natural Gas
Capitan				2nd Bone Spring Carbonate	6627'	Limestone	Oil/Natural Gas
Grayburg				2nd Bone Spring Sand	7138'	Sandstone	Oil/Natural Gas
San Andres				3rd Bone Spring Carbonate	7428'	Limestone	Oil/Natural Gas
Glorietta				3rd Bone Spring Sand	8458'	Sandstone	Oil/Natural Gas
Yeso				Wolfcamp	8796'	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'	450'	450'	13.375" 48# H40 STC	3.83	8.60	14.91	25.05
Intermediate	12.25"	0'	0'	1750'	1750'	9.625" 36# J55 LTC	2.18	3.79	7.19	8.95
Production	8.75"	0'	0'	7331'	7325'	7" 26# P110 LTC	1.69	2.69	3.64	4.35
Liner	6.75"	7131'	7115'	15984'	7820'	4.5" 13.5# P110 LTC	2.26	2.63	2.83	3.53

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.	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.	N
Is well located in SOPA but not in R-111-Q?	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-Q 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 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, Squints 4/5 Fee 557H
Sec 3, T22S, R27E
SHL: 1350' FSL 205' FWL (Sec 3)
BHL: 1380' FSL 2547' FEL (Sec 5)

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	170	12.5	2.12	0' - 261'	370	100%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	261' - 450'	268		Class C: Retarder
9.625 in	LEAD	200	12.5	2.12	0' - 1078'	430	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	1078' - 1750'	268		Class C: Retarder
1st Stg 7 in	LEAD	300	12.5	2.12	2800' - 6110'	640	25%	Class C: Salt, Gel, Extender, LCM, Defoamer
	TAIL	200	15.6	1.18	6110' - 7331'	236		Class H: Retarder, Fluid Loss, Defoamer
7" DV Tool @ 2800'								
2nd Stg 7 in	LEAD	50	12.5	2.12	1550' - 2114'	110	25%	Class C: Salt, Gel, Extender, LCM, Defoamer
	TAIL	100	14.8	1.34	2114' - 2800'	134		Class C: Retarder, Fluid Loss, Defoamer
4.5 in	LEAD	820	13.5	1.85	7131' - 15984'	1520	25%	Class H: Salt, Gel, Fluid Loss, Retarder, Dispersant, Defoamer, Anti-settling Agent

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#	15,984'
		5M	Blind Ram	X	5000#	
			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' - 450'	8.4 - 8.6	Fresh Water
450' - 1750'	10.0 - 10.2	Brine
1750' - 7331'	8.6 - 9.7	Cut-Brine
7331' - 15984'	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
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Mewbourne Oil Company, Squints 4/5 Fee 557H
Sec 3, T22S, R27E
SHL: 1350' FSL 205' FWL (Sec 3)
BHL: 1380' FSL 2547' FEL (Sec 5)

Logging and Testing Procedures

Logging, Coring and Testing.	
Y	Will run GR/CNL from KOP (7331') to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
N	No logs are planned based on well control or offset log information. Offset Well:
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	☒	Directional Survey	☐	Dual Induction/Microresistivity
☐	Dual Lateral Log/Microspherically Focused	☐	Electric Log	☐	Formation Density Compensated Log
☒	Gamma Ray Log	☒	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	4723 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, Squints 4/5 Fee 557H
Sec 3, T22S, R27E
SHL: 1350' FSL 205' FWL (Sec 3)
BHL: 1380' FSL 2547' FEL (Sec 5)

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'	450'	450'	13.375" 48# H40 STC	3.83	8.60	14.91	25.05
Intermediate	12.25"	0'	0'	1750'	1750'	9.625" 36# J55 LTC	2.18	3.79	7.19	8.95
Production	8.75"	0'	0'	8231'	7898'	7" 26# P110 LTC	1.56	2.50	3.24	3.88
Liner	6.75"	7331'	7325'	15984'	7820'	4.5" 13.5# P110 LTC	2.26	2.63	2.89	3.61

All casing strings will be tested in accordance with 43 CFR Part 3172. Must have table for contingency casing.

Is casing new? If used, attach certification as required in Onshore Order #1	Y or N
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.	N
Is well located in SOPA but not in R-111-Q?	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-Q 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 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 (ft³/sack)	Depth (MD)	Volume (ft³)	% Excess	Slurry Description
13.375 in	LEAD	170	12.5	2.12	0' - 261'	370	100%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	261' - 450'	268		Class C: Retarder
9.625 in	LEAD	200	12.5	2.12	0' - 1078'	430	25%	Class C: Salt, Gel, Extender, LCM
	TAIL	200	14.8	1.34	1078' - 1750'	268		Class C: Retarder
1st Stg 7 in	LEAD	260	12.5	2.12	2800' - 5747'	560	25%	Class C: Salt, Gel, Extender, LCM, Defoamer
	TAIL	400	15.6	1.18	5747' - 8231'	472		Class H: Retarder, Fluid Loss, Defoamer
7" DV Tool @ 2800'								
2nd Stg 7 in	LEAD	50	12.5	2.12	1550' - 2114'	110	25%	Class C: Salt, Gel, Extender, LCM, Defoamer
	TAIL	100	14.8	1.34	2114' - 2800'	134		Class C: Retarder, Fluid Loss, Defoamer
4.5 in	LEAD	780	13.5	1.85	7331' - 15984'	1450	25%	Class H: Salt, Gel, Fluid Loss, Retarder, Dispersant, Defoamer, Anti-settling Agent

Mewbourne Oil Company

Eddy County, New Mexico NAD 83

Squints 4/5 Fee #557H

Sec 03, T22S, R27E

SHL: 1350' FSL & 205' FWL (Sec 3)

BHL: 1380' FSL & 2547' FEL (Sec 5)

Plan: Design #1

Standard Planning Report

09 June, 2025

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Squints 4/5 Fee #557H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3130.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3130.0usft (Original Well Elev)
Site:	Squints 4/5 Fee #557H	North Reference:	Grid
Well:	Sec 03, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 1380' FSL & 2547' FEL (Sec 5)		
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		Squints 4/5 Fee #557H			
Site Position:		Northing:	515,992.00 usft	Latitude:	32.4184419
From:	Map	Easting:	587,010.10 usft	Longitude:	-104.1853206
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	

Well	Sec 03, T22S, R27E					
Well Position	+N/-S	0.0 usft	Northing:	515,992.00 usft	Latitude:	32.4184419
	+E/-W	0.0 usft	Easting:	587,010.10 usft	Longitude:	-104.1853206
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,130.0 usft	Ground Level:	3,102.0 usft
Grid Convergence:		0.08 °				

Wellbore	BHL: 1380' FSL & 2547' FEL (Sec 5)				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/31/2014	7.45	60.18	48,289.56986817

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	270.20

Plan Survey Tool Program	Date	6/9/2025			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	15,984.1	Design #1 (BHL: 1380' FSL & 254		

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	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,148.6	2.97	84.15	2,148.5	0.4	3.8	2.00	2.00	0.00	84.15	
7,183.3	2.97	84.15	7,176.5	27.0	263.5	0.00	0.00	0.00	0.00	
7,331.9	0.00	0.00	7,325.0	27.4	267.3	2.00	-2.00	0.00	180.00	KOP: 1380' FSL & 43'
8,237.8	90.58	270.00	7,898.0	27.4	-311.5	10.00	10.00	0.00	-90.00	
15,984.1	90.58	270.00	7,820.0	28.0	-8,057.4	0.00	0.00	0.00	0.00	BHL: 1380' FSL & 254

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Squints 4/5 Fee #557H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3130.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3130.0usft (Original Well Elev)
Site:	Squints 4/5 Fee #557H	North Reference:	Grid
Well:	Sec 03, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 1380' FSL & 2547' FEL (Sec 5)		
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: 1350' FSL & 205' FWL (Sec 3)									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	2.00	84.15	2,100.0	0.2	1.7	-1.7	2.00	2.00	0.00
2,148.6	2.97	84.15	2,148.5	0.4	3.8	-3.8	2.00	2.00	0.00
2,200.0	2.97	84.15	2,199.9	0.7	6.5	-6.5	0.00	0.00	0.00
2,300.0	2.97	84.15	2,299.7	1.2	11.6	-11.6	0.00	0.00	0.00
2,400.0	2.97	84.15	2,399.6	1.7	16.8	-16.8	0.00	0.00	0.00
2,500.0	2.97	84.15	2,499.5	2.3	22.0	-21.9	0.00	0.00	0.00
2,600.0	2.97	84.15	2,599.3	2.8	27.1	-27.1	0.00	0.00	0.00
2,700.0	2.97	84.15	2,699.2	3.3	32.3	-32.3	0.00	0.00	0.00
2,800.0	2.97	84.15	2,799.1	3.8	37.4	-37.4	0.00	0.00	0.00
2,900.0	2.97	84.15	2,898.9	4.4	42.6	-42.6	0.00	0.00	0.00
3,000.0	2.97	84.15	2,998.8	4.9	47.7	-47.7	0.00	0.00	0.00
3,100.0	2.97	84.15	3,098.7	5.4	52.9	-52.9	0.00	0.00	0.00
3,200.0	2.97	84.15	3,198.5	6.0	58.1	-58.0	0.00	0.00	0.00
3,300.0	2.97	84.15	3,298.4	6.5	63.2	-63.2	0.00	0.00	0.00
3,400.0	2.97	84.15	3,398.3	7.0	68.4	-68.3	0.00	0.00	0.00
3,500.0	2.97	84.15	3,498.1	7.5	73.5	-73.5	0.00	0.00	0.00
3,600.0	2.97	84.15	3,598.0	8.1	78.7	-78.7	0.00	0.00	0.00
3,700.0	2.97	84.15	3,697.8	8.6	83.8	-83.8	0.00	0.00	0.00
3,800.0	2.97	84.15	3,797.7	9.1	89.0	-89.0	0.00	0.00	0.00
3,900.0	2.97	84.15	3,897.6	9.7	94.2	-94.1	0.00	0.00	0.00
4,000.0	2.97	84.15	3,997.4	10.2	99.3	-99.3	0.00	0.00	0.00
4,100.0	2.97	84.15	4,097.3	10.7	104.5	-104.4	0.00	0.00	0.00
4,200.0	2.97	84.15	4,197.2	11.2	109.6	-109.6	0.00	0.00	0.00
4,300.0	2.97	84.15	4,297.0	11.8	114.8	-114.7	0.00	0.00	0.00
4,400.0	2.97	84.15	4,396.9	12.3	119.9	-119.9	0.00	0.00	0.00
4,500.0	2.97	84.15	4,496.8	12.8	125.1	-125.0	0.00	0.00	0.00
4,600.0	2.97	84.15	4,596.6	13.4	130.2	-130.2	0.00	0.00	0.00
4,700.0	2.97	84.15	4,696.5	13.9	135.4	-135.4	0.00	0.00	0.00
4,800.0	2.97	84.15	4,796.4	14.4	140.6	-140.5	0.00	0.00	0.00
4,900.0	2.97	84.15	4,896.2	14.9	145.7	-145.7	0.00	0.00	0.00
5,000.0	2.97	84.15	4,996.1	15.5	150.9	-150.8	0.00	0.00	0.00
5,100.0	2.97	84.15	5,096.0	16.0	156.0	-156.0	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Squints 4/5 Fee #557H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3130.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3130.0usft (Original Well Elev)
Site:	Squints 4/5 Fee #557H	North Reference:	Grid
Well:	Sec 03, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 1380' FSL & 2547' FEL (Sec 5)		
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	2.97	84.15	5,195.8	16.5	161.2	-161.1	0.00	0.00	0.00	
5,300.0	2.97	84.15	5,295.7	17.1	166.3	-166.3	0.00	0.00	0.00	
5,400.0	2.97	84.15	5,395.6	17.6	171.5	-171.4	0.00	0.00	0.00	
5,500.0	2.97	84.15	5,495.4	18.1	176.7	-176.6	0.00	0.00	0.00	
5,600.0	2.97	84.15	5,595.3	18.6	181.8	-181.8	0.00	0.00	0.00	
5,700.0	2.97	84.15	5,695.2	19.2	187.0	-186.9	0.00	0.00	0.00	
5,800.0	2.97	84.15	5,795.0	19.7	192.1	-192.1	0.00	0.00	0.00	
5,900.0	2.97	84.15	5,894.9	20.2	197.3	-197.2	0.00	0.00	0.00	
6,000.0	2.97	84.15	5,994.8	20.8	202.4	-202.4	0.00	0.00	0.00	
6,100.0	2.97	84.15	6,094.6	21.3	207.6	-207.5	0.00	0.00	0.00	
6,200.0	2.97	84.15	6,194.5	21.8	212.8	-212.7	0.00	0.00	0.00	
6,300.0	2.97	84.15	6,294.4	22.3	217.9	-217.8	0.00	0.00	0.00	
6,400.0	2.97	84.15	6,394.2	22.9	223.1	-223.0	0.00	0.00	0.00	
6,500.0	2.97	84.15	6,494.1	23.4	228.2	-228.1	0.00	0.00	0.00	
6,600.0	2.97	84.15	6,593.9	23.9	233.4	-233.3	0.00	0.00	0.00	
6,700.0	2.97	84.15	6,693.8	24.5	238.5	-238.5	0.00	0.00	0.00	
6,800.0	2.97	84.15	6,793.7	25.0	243.7	-243.6	0.00	0.00	0.00	
6,900.0	2.97	84.15	6,893.5	25.5	248.9	-248.8	0.00	0.00	0.00	
7,000.0	2.97	84.15	6,993.4	26.0	254.0	-253.9	0.00	0.00	0.00	
7,100.0	2.97	84.15	7,093.3	26.6	259.2	-259.1	0.00	0.00	0.00	
7,183.3	2.97	84.15	7,176.5	27.0	263.5	-263.4	0.00	0.00	0.00	
7,200.0	2.64	84.15	7,193.1	27.1	264.3	-264.2	2.00	-2.00	0.00	
7,300.0	0.64	84.15	7,293.1	27.4	267.1	-267.0	2.00	-2.00	0.00	
7,331.9	0.00	0.00	7,325.0	27.4	267.3	-267.2	2.00	-2.00	0.00	
KOP: 1380' FSL & 437' FWL (Sec 3)										
7,350.0	1.81	270.00	7,343.1	27.4	267.0	-266.9	10.00	10.00	0.00	
7,400.0	6.81	270.00	7,392.9	27.4	263.3	-263.2	10.00	10.00	0.00	
7,450.0	11.81	270.00	7,442.3	27.4	255.2	-255.1	10.00	10.00	0.00	
7,500.0	16.81	270.00	7,490.7	27.4	242.8	-242.7	10.00	10.00	0.00	
7,550.0	21.81	270.00	7,537.9	27.4	226.3	-226.2	10.00	10.00	0.00	
7,600.0	26.81	270.00	7,583.4	27.4	205.7	-205.6	10.00	10.00	0.00	
7,650.0	31.81	270.00	7,627.0	27.4	181.3	-181.2	10.00	10.00	0.00	
7,700.0	36.81	270.00	7,668.3	27.4	153.1	-153.0	10.00	10.00	0.00	
7,750.0	41.80	270.00	7,707.0	27.4	121.4	-121.3	10.00	10.00	0.00	
7,800.0	46.80	270.00	7,742.7	27.4	86.5	-86.4	10.00	10.00	0.00	
7,850.0	51.80	270.00	7,775.3	27.4	48.6	-48.5	10.00	10.00	0.00	
7,900.0	56.80	270.00	7,804.5	27.4	8.0	-7.9	10.00	10.00	0.00	
7,950.0	61.80	270.00	7,830.0	27.4	-35.0	35.1	10.00	10.00	0.00	
8,000.0	66.80	270.00	7,851.7	27.4	-80.0	80.1	10.00	10.00	0.00	
8,050.0	71.80	270.00	7,869.4	27.4	-126.8	126.9	10.00	10.00	0.00	
8,100.0	76.80	270.00	7,882.9	27.4	-174.9	175.0	10.00	10.00	0.00	
8,150.0	81.80	270.00	7,892.2	27.4	-224.0	224.1	10.00	10.00	0.00	
8,200.0	86.80	270.00	7,897.1	27.4	-273.7	273.8	10.00	10.00	0.00	
8,231.9	89.99	270.00	7,898.0	27.4	-305.6	305.7	10.00	10.00	0.00	
FTP/LP: 1380' FSL & 100' FEL (Sec 4)										
8,237.8	90.58	270.00	7,898.0	27.4	-311.5	311.6	10.00	10.00	0.00	
8,300.0	90.58	270.00	7,897.4	27.4	-373.7	373.8	0.00	0.00	0.00	
8,400.0	90.58	270.00	7,896.4	27.5	-473.7	473.8	0.00	0.00	0.00	
8,500.0	90.58	270.00	7,895.4	27.5	-573.7	573.8	0.00	0.00	0.00	
8,600.0	90.58	270.00	7,894.4	27.5	-673.7	673.8	0.00	0.00	0.00	
8,700.0	90.58	270.00	7,893.3	27.5	-773.7	773.8	0.00	0.00	0.00	
8,800.0	90.58	270.00	7,892.3	27.5	-873.7	873.8	0.00	0.00	0.00	
8,900.0	90.58	270.00	7,891.3	27.5	-973.7	973.8	0.00	0.00	0.00	
9,000.0	90.58	270.00	7,890.3	27.5	-1,073.7	1,073.8	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Squints 4/5 Fee #557H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3130.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3130.0usft (Original Well Elev)
Site:	Squints 4/5 Fee #557H	North Reference:	Grid
Well:	Sec 03, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 1380' FSL & 2547' FEL (Sec 5)		
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)
9,100.0	90.58	270.00	7,889.3	27.5	-1,173.7	1,173.8	0.00	0.00	0.00
9,200.0	90.58	270.00	7,888.3	27.5	-1,273.7	1,273.8	0.00	0.00	0.00
9,300.0	90.58	270.00	7,887.3	27.5	-1,373.7	1,373.7	0.00	0.00	0.00
9,400.0	90.58	270.00	7,886.3	27.5	-1,473.7	1,473.7	0.00	0.00	0.00
9,500.0	90.58	270.00	7,885.3	27.5	-1,573.7	1,573.7	0.00	0.00	0.00
9,600.0	90.58	270.00	7,884.3	27.5	-1,673.6	1,673.7	0.00	0.00	0.00
9,700.0	90.58	270.00	7,883.3	27.5	-1,773.6	1,773.7	0.00	0.00	0.00
9,800.0	90.58	270.00	7,882.3	27.6	-1,873.6	1,873.7	0.00	0.00	0.00
9,900.0	90.58	270.00	7,881.3	27.6	-1,973.6	1,973.7	0.00	0.00	0.00
10,000.0	90.58	270.00	7,880.3	27.6	-2,073.6	2,073.7	0.00	0.00	0.00
10,100.0	90.58	270.00	7,879.2	27.6	-2,173.6	2,173.7	0.00	0.00	0.00
10,200.0	90.58	270.00	7,878.2	27.6	-2,273.6	2,273.7	0.00	0.00	0.00
10,300.0	90.58	270.00	7,877.2	27.6	-2,373.6	2,373.7	0.00	0.00	0.00
10,400.0	90.58	270.00	7,876.2	27.6	-2,473.6	2,473.7	0.00	0.00	0.00
10,500.0	90.58	270.00	7,875.2	27.6	-2,573.6	2,573.7	0.00	0.00	0.00
10,600.0	90.58	270.00	7,874.2	27.6	-2,673.6	2,673.7	0.00	0.00	0.00
10,700.0	90.58	270.00	7,873.2	27.6	-2,773.6	2,773.7	0.00	0.00	0.00
10,800.0	90.58	270.00	7,872.2	27.6	-2,873.6	2,873.7	0.00	0.00	0.00
10,900.0	90.58	270.00	7,871.2	27.6	-2,973.6	2,973.7	0.00	0.00	0.00
11,000.0	90.58	270.00	7,870.2	27.6	-3,073.6	3,073.7	0.00	0.00	0.00
11,100.0	90.58	270.00	7,869.2	27.6	-3,173.6	3,173.6	0.00	0.00	0.00
11,200.0	90.58	270.00	7,868.2	27.7	-3,273.6	3,273.6	0.00	0.00	0.00
11,300.0	90.58	270.00	7,867.2	27.7	-3,373.6	3,373.6	0.00	0.00	0.00
11,400.0	90.58	270.00	7,866.2	27.7	-3,473.6	3,473.6	0.00	0.00	0.00
11,500.0	90.58	270.00	7,865.2	27.7	-3,573.5	3,573.6	0.00	0.00	0.00
11,600.0	90.58	270.00	7,864.1	27.7	-3,673.5	3,673.6	0.00	0.00	0.00
11,700.0	90.58	270.00	7,863.1	27.7	-3,773.5	3,773.6	0.00	0.00	0.00
11,800.0	90.58	270.00	7,862.1	27.7	-3,873.5	3,873.6	0.00	0.00	0.00
11,900.0	90.58	270.00	7,861.1	27.7	-3,973.5	3,973.6	0.00	0.00	0.00
12,000.0	90.58	270.00	7,860.1	27.7	-4,073.5	4,073.6	0.00	0.00	0.00
12,100.0	90.58	270.00	7,859.1	27.7	-4,173.5	4,173.6	0.00	0.00	0.00
12,200.0	90.58	270.00	7,858.1	27.7	-4,273.5	4,273.6	0.00	0.00	0.00
12,300.0	90.58	270.00	7,857.1	27.7	-4,373.5	4,373.6	0.00	0.00	0.00
12,400.0	90.58	270.00	7,856.1	27.7	-4,473.5	4,473.6	0.00	0.00	0.00
12,500.0	90.58	270.00	7,855.1	27.7	-4,573.5	4,573.6	0.00	0.00	0.00
12,600.0	90.58	270.00	7,854.1	27.8	-4,673.5	4,673.6	0.00	0.00	0.00
12,700.0	90.58	270.00	7,853.1	27.8	-4,773.5	4,773.6	0.00	0.00	0.00
12,800.0	90.58	270.00	7,852.1	27.8	-4,873.5	4,873.5	0.00	0.00	0.00
12,900.0	90.58	270.00	7,851.1	27.8	-4,973.5	4,973.5	0.00	0.00	0.00
13,000.0	90.58	270.00	7,850.0	27.8	-5,073.5	5,073.5	0.00	0.00	0.00
13,100.0	90.58	270.00	7,849.0	27.8	-5,173.5	5,173.5	0.00	0.00	0.00
13,200.0	90.58	270.00	7,848.0	27.8	-5,273.5	5,273.5	0.00	0.00	0.00
13,300.0	90.58	270.00	7,847.0	27.8	-5,373.5	5,373.5	0.00	0.00	0.00
13,400.0	90.58	270.00	7,846.0	27.8	-5,473.5	5,473.5	0.00	0.00	0.00
13,500.0	90.58	270.00	7,845.0	27.8	-5,573.4	5,573.5	0.00	0.00	0.00
13,600.0	90.58	270.00	7,844.0	27.8	-5,673.4	5,673.5	0.00	0.00	0.00
13,700.0	90.58	270.00	7,843.0	27.8	-5,773.4	5,773.5	0.00	0.00	0.00
13,800.0	90.58	270.00	7,842.0	27.8	-5,873.4	5,873.5	0.00	0.00	0.00
13,900.0	90.58	270.00	7,841.0	27.8	-5,973.4	5,973.5	0.00	0.00	0.00
14,000.0	90.58	270.00	7,840.0	27.9	-6,073.4	6,073.5	0.00	0.00	0.00
14,100.0	90.58	270.00	7,839.0	27.9	-6,173.4	6,173.5	0.00	0.00	0.00
14,200.0	90.58	270.00	7,838.0	27.9	-6,273.4	6,273.5	0.00	0.00	0.00
14,300.0	90.58	270.00	7,837.0	27.9	-6,373.4	6,373.5	0.00	0.00	0.00
14,400.0	90.58	270.00	7,836.0	27.9	-6,473.4	6,473.5	0.00	0.00	0.00

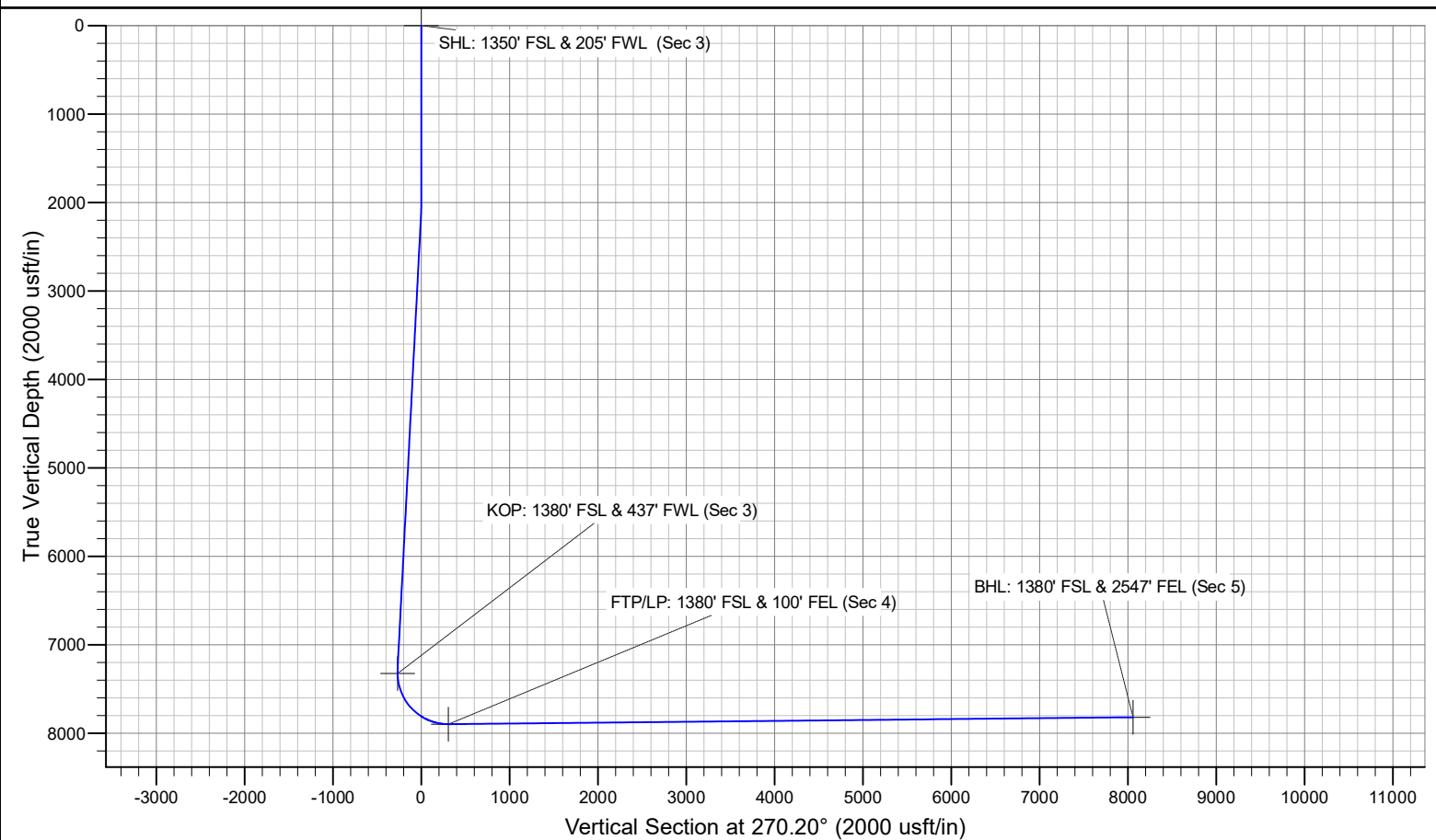
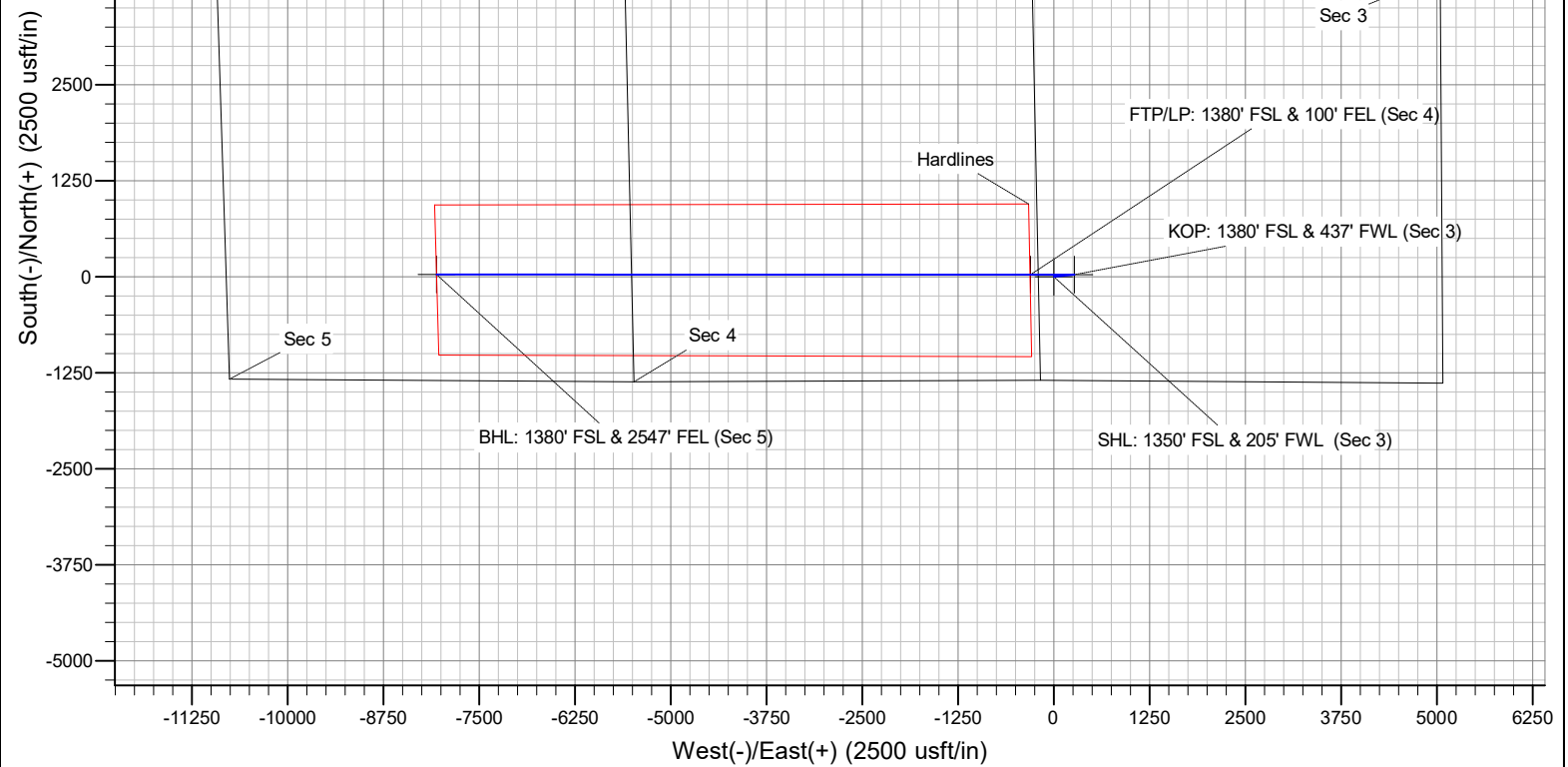
Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Squints 4/5 Fee #557H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3130.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3130.0usft (Original Well Elev)
Site:	Squints 4/5 Fee #557H	North Reference:	Grid
Well:	Sec 03, T22S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 1380' FSL & 2547' FEL (Sec 5)		
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)	
14,500.0	90.58	270.00	7,834.9	27.9	-6,573.4	6,573.5	0.00	0.00	0.00	
14,600.0	90.58	270.00	7,833.9	27.9	-6,673.4	6,673.4	0.00	0.00	0.00	
14,700.0	90.58	270.00	7,832.9	27.9	-6,773.4	6,773.4	0.00	0.00	0.00	
14,800.0	90.58	270.00	7,831.9	27.9	-6,873.4	6,873.4	0.00	0.00	0.00	
14,900.0	90.58	270.00	7,830.9	27.9	-6,973.4	6,973.4	0.00	0.00	0.00	
15,000.0	90.58	270.00	7,829.9	27.9	-7,073.4	7,073.4	0.00	0.00	0.00	
15,100.0	90.58	270.00	7,828.9	27.9	-7,173.4	7,173.4	0.00	0.00	0.00	
15,200.0	90.58	270.00	7,827.9	27.9	-7,273.4	7,273.4	0.00	0.00	0.00	
15,300.0	90.58	270.00	7,826.9	28.0	-7,373.4	7,373.4	0.00	0.00	0.00	
15,400.0	90.58	270.00	7,825.9	28.0	-7,473.4	7,473.4	0.00	0.00	0.00	
15,500.0	90.58	270.00	7,824.9	28.0	-7,573.3	7,573.4	0.00	0.00	0.00	
15,600.0	90.58	270.00	7,823.9	28.0	-7,673.3	7,673.4	0.00	0.00	0.00	
15,700.0	90.58	270.00	7,822.9	28.0	-7,773.3	7,773.4	0.00	0.00	0.00	
15,800.0	90.58	270.00	7,821.9	28.0	-7,873.3	7,873.4	0.00	0.00	0.00	
15,900.0	90.58	270.00	7,820.8	28.0	-7,973.3	7,973.4	0.00	0.00	0.00	
15,984.1	90.58	270.00	7,820.0	28.0	-8,057.4	8,057.4	0.00	0.00	0.00	
BHL: 1380' FSL & 2547' FEL (Sec 5)										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target										
- Shape										
SHL: 1350' FSL & 205' F	0.00	0.00	0.0	0.0	0.0	515,992.00	587,010.10	32.4184419	-104.1853206	
- plan hits target center										
- Point										
KOP: 1380' FSL & 437' F	0.00	0.00	7,325.0	27.4	267.3	516,019.40	587,277.40	32.4185162	-104.1844542	
- plan hits target center										
- Point										
BHL: 1380' FSL & 2547'	0.00	0.00	7,820.0	28.0	-8,057.4	516,020.00	578,952.70	32.4185469	-104.2114323	
- plan hits target center										
- Point										
FTP/LP: 1380' FSL & 10	0.00	0.00	7,898.0	27.4	-305.6	516,019.44	586,704.50	32.4185185	-104.1863108	
- plan hits target center										
- Point										

Squints 4/5 Fee #557H



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

Action 472071

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 472071
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	Any previous COA's not addressed within the updated COA's still apply.	8/8/2025