

15-695

HOBBS OGD

OCD Hobbs

Form 3160-3
(March 2012)

OCT 01 2015

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

RECEIVED

5. Lease Serial No.
NM1693 & Fee NM002965A

6. If Indian, Allottee or Tribe Name

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

8. Lease Name and Well No. **(714297)**
Pepper Ridge 15 A3AP Fed Com #1H9. API Well No.
30-021-4283710. Field and Pool, or Exploratory
Red Hills Upper Bone Spring Shale **(97900)**11. Sec., T. R. M. or Blk. and Survey or Area
Sec 15 T26S R33E12. County or Parish
Lea13. State
NM1a. Type of work: ☒ DRILL ☐ REENTER1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone2. Name of Operator Mewbourne Oil Company **(14744)**3a. Address PO Box 5270
Hobbs, NM 882413b. Phone No. (include area code)
575-393-5905

4. Location of Well (Report location clearly and in accordance with any State requirements.)

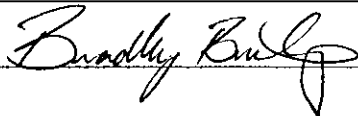
At surface 185' FNL & 500' FEL, Sec 15 T26S R33E **(A)**At proposed prod. zone 330' FSL & 330' FEL, Sec 15 T26S R33E **(P)**14. Distance in miles and direction from nearest town or post office*
28 miles NE of Orla, TX15. Distance from proposed*
location to nearest 185'
property or lease line, ft.
(Also to nearest drig. unit line, if any)16. No. of acres in lease
2,174.1217. Spacing Unit dedicated to this well
16018. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft. 60' - Pepper Ridge
W1AP Fed Com #2H19. Proposed Depth
10,075' - TVD
14,549' - MD20. BLM/BIA Bond No. on file
NM1693 nationwide, NMB-00091921. Elevations (Show whether DF, KDB, RT, GL, etc.)
3328' - GL22. Approximate date work will start*
08/03/201523. Estimated duration
60 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the BLM.

25. Signature

Name (Printed/Typed)
Bradley BishopDate
06/03/2015

Title

Approved by (Signature)

Steve Caffey

Name (Printed/Typed)

Date **SEP 29 2015**

Title

FIELD MANAGER

Office

CARLSBAD FIELD OFFICE

Application approval 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.
Conditions of approval, if any, are attached.

APPROVAL FOR TWO YEARS

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.

(Continued on page 2)

*(Instructions on page 2)

Carlsbad Controlled Water Basin

Approval Subject to General Requirements
& Special Stipulations AttachedSEE ATTACHED FOR
CONDITIONS OF APPROVAL

OCT 08 2015

Mewbourne Oil Company, Pepper Ridge 15 A3AP Fed Com #1H

Sec 15, T26S, R33E

SL: 185' FNL & 500' FEL

BHL: 330' FSL & 330' FEL

NOBBS OGD

OCT 01 2015

1. Geologic Formations

TVD of target	10075'	Pilot hole depth	NA
MD at TD:	14549'	Deepest expected fresh water:	125'

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface		
Rustler	951		
Top of Salt	1296	Salt	
Castile	3227		
Yates	4796	Oil	
Lamar	5038		
Cherry Canyon			
Manzanita Marker			
Brushy Canyon			
Bone Spring	9198	Target Zone	
1 st Bone Spring Sand			
2 nd Bone Spring Sand			
3 rd Bone Spring Sand			
Abo			
Wolfcamp		Will Not Penetrate	
Devonian			
Fusselman			
Ellenburger			
Granite Wash			

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

Mewbourne Oil Company, Pepper Ridge 15 A3AP Fed Com #1H

Sec 15, T26S, R33E

SL: 185' FNL & 500' FEL

BHL: 330' FSL & 330' FEL

2. Casing Program

See COA

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Tension
	From	To							
17.5"	0'	976' 1030'	13.375"	48	H40	STC	1.46	3.41	6.87
12.25"	0'	3453'	9.625"	36	J55	LTC	1.13	1.96	2.45
12.25"	3453'	4393'	9.625"	40	J55	LTC	1.13	1.73	8.60
12.25"	4393'	4965'	9.625"	40	N80	LTC	1.20	2.23	32.22
8.75"	0'	9453'	7"	26	HCP110	LTC	1.59	2.03	2.58
8.75"	9453'	10346'	7"	26	HCP110	BTC	1.50	1.91	35.75
6.125"	9453'	14549'	4.5"	13.5	P110	LTC	2.04	2.37	4.90
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet

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

Must have table for contingency casing

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Is casing API approved? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2 nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	Y
If yes, are there two strings cemented to surface?	Y
(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, Pepper Ridge 15 A3AP Fed Com #1H

Sec 15, T26S, R33E

SL: 185' FNL & 500' FEL

BHL: 330' FSL & 330' FEL

3. Cementing Program

Casing	#Sks	Wt. lb/ gal	Yld ft ³ / sack	H ₂ O gal/ sk	500# Comp. Strength (hours)	Slurry/Description
Surf.	515	14.8	1.34	6.3	8	Class C + 0.005pps Static Free + 1% CaCl ₂ + 0.25 pps CelloFlake + 0.005 gps FP-6L
	200	14.8	1.34	6.3	8	Tail: Class C + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
Inter.	790	12.5	2.12	11	10	Lead: Class C (35:65:4) + 5% Sodium Chloride + 5#/sk LCM + 0.25lb/sk Cello-Flake
	200	14.8	1.34	6.3	8	Tail: Class C + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
Prod.	300	12.5	2.12	11	9	Lead: 60:40:0 Class C + 15.00 lb/sk BA-90 + 4.00% MPS-5 + 3.00% SMS + 5.00% A-10 + 1.00% BA-10A + 0.80% ASA-301 + 2.90% R-21 + 8.00 lb/sk LCM-1 + 0.005 lb/sk Static Free
	400	15.6	1.18	5.2	10	Tail: Class H + 0.65% FL-52 + 0.10% R-3 + 0.005 lb/sk Static Free
Liner	205	11.2	2.97	18	16	Class C (60:40:0)+4% MPA5+1.2% BA10A+10#/sk BA90+5%A10+0.65%ASA301+1.5%SMS+1.2%R21

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

Casing(String	TOC	% Excess
Surface	0'	100%
Intermediate	0'	25%
Production	4765'	25%
Liner	9453'	25%

See COA
See COA

Mewbourne Oil Company, Pepper Ridge 15 A3AP Fed Com #1H
Sec 15, T26S, R33E
SL: 185' FNL & 500' FEL
BHL: 330' FSL & 330' FEL

4. Pressure Control Equipment

Variance: None

BOP installed and tested before drilling which hole?	Size?	System Rated WP	Type	✓	Tested to:
12-1/4"	13-5/8"	3M	Annular	X	1250#
			Blind Ram		
			Pipe Ram		
			Double Ram		
			Other*		
8-3/4"	11"	3M	Annular	X	1500#
			Blind Ram	X	3000#
			Pipe Ram	X	
			Double Ram		
			Other*		
6-1/8"	11"	3M	Annular	X	1500#
			Blind Ram	X	3000#
			Pipe Ram	X	
			Double Ram		
			Other*		

*Specify if additional ram is utilized.

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

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

Mewbourne Oil Company, Pepper Ridge 15 A3AP Fed Com #1H

Sec 15, T26S, R33E

SL: 185' FNL & 500' FEL

BHL: 330' FSL & 330' FEL

X	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.
	Variance: None
N	A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested. • Provide description here See attached schematic.

5. Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0	976 1030	FW Gel	8.6-8.8	28-34	N/C
976	4965	Saturated Brine	10.0	28-34	N/C
4965	9453	Cut Brine	8.6-9.5	28-34	N/C
9453	14549	FW w/Polymer	8.6-9.5	30-40	<20cc

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

What will be used to monitor the loss or gain of fluid?	Visual Monitoring
---	-------------------

6. Logging and Testing Procedures

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

Additional logs planned	Interval
X	Gamma Ray
	Density
	CBL
	Mud log
	PEX

Mewbourne Oil Company, Pepper Ridge 15 A3AP Fed Com #1H

Sec 15, T26S, R33E

SL: 185' FNL & 500' FEL

BHL: 330' FSL & 330' FEL

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	4332 psi
Abnormal Temperature	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

8. Other facets of operation

Is this a walking operation? If yes, describe.

Will be pre-setting casing? If yes, describe.

Attachments

___ Directional Plan

___ Other, describe

Mewbourne Oil Company

Lea County, New Mexico

Pepper Ridge 15 A3AP Fed Com #1H

Sec 15, T26S, R33E

SL: 185' FNL & 500' FEL

BHL: 330' FSL & 330' FEL

Plan: Design #1

Standard Planning Report

02 June, 2015

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Pepper Ridge 15 A3AP Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3353.0usft (Original Well Elev)
Project:	Lea County, New Mexico	MD Reference:	WELL @ 3353.0usft (Original Well Elev)
Site:	Pepper Ridge 15 A3AP Fed Com #1H	North Reference:	Grid
Well:	Sec 15, T26S, R33E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 330' FEL		
Design:	Design #1		

Project:	Lea County, New Mexico		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site:	Pepper Ridge 15 A3AP Fed Com #1H		
Site Position:	Map	Northings:	382,823.10 usft
From:		Easting:	741,833.50 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"
		Latitude:	32° 3' 0.333 N
		Longitude:	103° 33' 10.072 W
		Grid Convergence:	0.41°

Well:	Sec 15, T26S, R33E		
Well Position	+N/-S	0.0 usft	Northings:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,353.0 usft
		Latitude:	32° 3' 0.333 N
		Longitude:	103° 33' 10.072 W
		Ground Level:	3,328.0 usft

Wellbore:	BHL: 330' FSL & 330' FEL		
Magnetics	Model Name	Sample Date	Declination
	IGRF2010	6/2/2015	7.08
			Dip Angle
			59.93
			Field Strength
			48,118

Design:	Design #1		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			177.52

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	
9,453.0	0.00	0.00	9,453.0	0.0	0.0	0.00	0.00	0.00	0.00	
10,346.4	89.33	177.52	10,026.0	-565.8	24.5	10.00	10.00	0.00	177.52	
14,549.1	89.33	177.52	10,075.0	-4,764.3	206.5	0.00	0.00	0.00	0.00	BHL: 330 FSL & 330 I

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Pepper Ridge 15 A3AP Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3353.0usft (Original Well Elev)
Project:	Lea County, New Mexico	MD Reference:	WELL @ 3353.0usft (Original Well Elev)
Site:	Pepper Ridge 15 A3AP Fed Com #1H	North Reference:	Grid
Well:	Sec 15, T26S, R33E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL 330' FSL & 330' FEL		
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
SL: 185 FNL & 500 FEL									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Pepper Ridge 15 A3AP Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3353.0usft (Original Well Elev)
Project:	Lea County, New Mexico	MD Reference:	WELL @ 3353.0usft (Original Well Elev)
Site:	Pepper Ridge 15 A3AP Fed Com #1H	North Reference:	Grid
Well:	Sec 15, T26S, R33E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330° FSL & 330° FEL		
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)	
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
9,453.0	0.00	0.00	9,453.0	0.0	0.0	0.0	0.00	0.00	0.00	
KOP @ 9453										
9,500.0	4.70	177.52	9,499.9	-1.9	0.1	1.9	10.00	10.00	0.00	
9,600.0	14.70	177.52	9,598.4	-18.7	0.8	18.8	10.00	10.00	0.00	
9,700.0	24.70	177.52	9,692.4	-52.4	2.3	52.4	10.00	10.00	0.00	
9,800.0	34.70	177.52	9,779.2	-101.8	4.4	101.9	10.00	10.00	0.00	
9,870.0	41.69	177.52	9,834.1	-145.0	6.3	145.1	10.00	10.00	0.00	
FTP: 330 FNL & 480 FEL										
9,900.0	44.69	177.52	9,856.0	-165.5	7.2	165.7	10.00	10.00	0.00	
10,000.0	54.69	177.52	9,920.6	-241.6	10.5	241.8	10.00	10.00	0.00	
10,100.0	64.69	177.52	9,971.0	-327.8	14.2	328.1	10.00	10.00	0.00	
10,200.0	74.69	177.52	10,005.7	-421.3	18.3	421.7	10.00	10.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Pepper Ridge 15 A3AP Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3353.0usft (Original Well Elev)
Project:	Lea County, New Mexico	MD Reference:	WELL @ 3353.0usft (Original Well Elev)
Site:	Pepper Ridge 15 A3AP Fed Com #1H	North Reference:	Grid
Well:	Sec 15, T26S, R33E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 330' FEL		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,300.0	84.69	177.52	10,023.6	-519.5	22.5	520.0	10.00	10.00	0.00	
10,348.4	89.33	177.52	10,026.0	-565.8	24.5	566.3	10.00	10.00	0.00	
LP: 751 FNL & 475 FEL										
10,400.0	89.33	177.52	10,026.6	-619.3	26.8	619.9	0.01	0.01	0.00	
10,500.0	89.33	177.52	10,027.8	-719.2	31.2	719.9	0.00	0.00	0.00	
10,600.0	89.33	177.52	10,029.0	-819.1	35.5	819.9	0.00	0.00	0.00	
10,700.0	89.33	177.52	10,030.1	-919.0	39.8	919.9	0.00	0.00	0.00	
10,800.0	89.33	177.52	10,031.3	-1,018.9	44.2	1,019.9	0.00	0.00	0.00	
10,900.0	89.33	177.52	10,032.5	-1,118.8	48.5	1,119.9	0.00	0.00	0.00	
11,000.0	89.33	177.52	10,033.6	-1,218.7	52.8	1,219.9	0.00	0.00	0.00	
11,100.0	89.33	177.52	10,034.8	-1,318.6	57.2	1,319.9	0.00	0.00	0.00	
11,200.0	89.33	177.52	10,036.0	-1,418.5	61.5	1,419.9	0.00	0.00	0.00	
11,300.0	89.33	177.52	10,037.1	-1,518.4	65.8	1,519.8	0.00	0.00	0.00	
11,400.0	89.33	177.52	10,038.3	-1,618.3	70.1	1,619.8	0.00	0.00	0.00	
11,500.0	89.33	177.52	10,039.4	-1,718.2	74.5	1,719.8	0.00	0.00	0.00	
11,600.0	89.33	177.52	10,040.6	-1,818.1	78.8	1,819.8	0.00	0.00	0.00	
11,700.0	89.33	177.52	10,041.8	-1,918.0	83.1	1,919.8	0.00	0.00	0.00	
11,800.0	89.33	177.52	10,042.9	-2,017.9	87.5	2,019.8	0.00	0.00	0.00	
11,900.0	89.33	177.52	10,044.1	-2,117.8	91.8	2,119.8	0.00	0.00	0.00	
12,000.0	89.33	177.52	10,045.3	-2,217.7	96.1	2,219.8	0.00	0.00	0.00	
12,100.0	89.33	177.52	10,046.4	-2,317.6	100.5	2,319.8	0.00	0.00	0.00	
12,200.0	89.33	177.52	10,047.6	-2,417.5	104.8	2,419.8	0.00	0.00	0.00	
12,300.0	89.33	177.52	10,048.8	-2,517.4	109.1	2,519.8	0.00	0.00	0.00	
12,400.0	89.33	177.52	10,049.9	-2,617.3	113.4	2,619.8	0.00	0.00	0.00	
12,500.0	89.33	177.52	10,051.1	-2,717.2	117.8	2,719.8	0.00	0.00	0.00	
12,600.0	89.33	177.52	10,052.3	-2,817.1	122.1	2,819.8	0.00	0.00	0.00	
12,700.0	89.33	177.52	10,053.4	-2,917.0	126.4	2,919.8	0.00	0.00	0.00	
12,800.0	89.33	177.52	10,054.6	-3,016.9	130.8	3,019.7	0.00	0.00	0.00	
12,900.0	89.33	177.52	10,055.8	-3,116.8	135.1	3,119.7	0.00	0.00	0.00	
13,000.0	89.33	177.52	10,056.9	-3,216.7	139.4	3,219.7	0.00	0.00	0.00	
13,100.0	89.33	177.52	10,058.1	-3,316.6	143.8	3,319.7	0.00	0.00	0.00	
13,200.0	89.33	177.52	10,059.3	-3,416.5	148.1	3,419.7	0.00	0.00	0.00	
13,300.0	89.33	177.52	10,060.4	-3,516.4	152.4	3,519.7	0.00	0.00	0.00	
13,400.0	89.33	177.52	10,061.6	-3,616.3	156.7	3,619.7	0.00	0.00	0.00	
13,500.0	89.33	177.52	10,062.8	-3,716.2	161.1	3,719.7	0.00	0.00	0.00	
13,600.0	89.33	177.52	10,063.9	-3,816.1	165.4	3,819.7	0.00	0.00	0.00	
13,700.0	89.33	177.52	10,065.1	-3,916.0	169.7	3,919.7	0.00	0.00	0.00	
13,800.0	89.33	177.52	10,066.3	-4,015.9	174.1	4,019.7	0.00	0.00	0.00	
13,900.0	89.33	177.52	10,067.4	-4,115.8	178.4	4,119.7	0.00	0.00	0.00	
14,000.0	89.33	177.52	10,068.6	-4,215.7	182.7	4,219.7	0.00	0.00	0.00	
14,100.0	89.33	177.52	10,069.8	-4,315.6	187.1	4,319.7	0.00	0.00	0.00	
14,200.0	89.33	177.52	10,070.9	-4,415.5	191.4	4,419.6	0.00	0.00	0.00	
14,300.0	89.33	177.52	10,072.1	-4,515.4	195.7	4,519.6	0.00	0.00	0.00	
14,400.0	89.33	177.52	10,073.3	-4,615.3	200.0	4,619.6	0.00	0.00	0.00	
14,500.0	89.33	177.52	10,074.4	-4,715.2	204.4	4,719.6	0.00	0.00	0.00	
14,549.1	89.33	177.52	10,075.0	-4,764.3	206.5	4,768.8	0.00	0.00	0.00	
BHL: 330 FSL & 330 FEL										

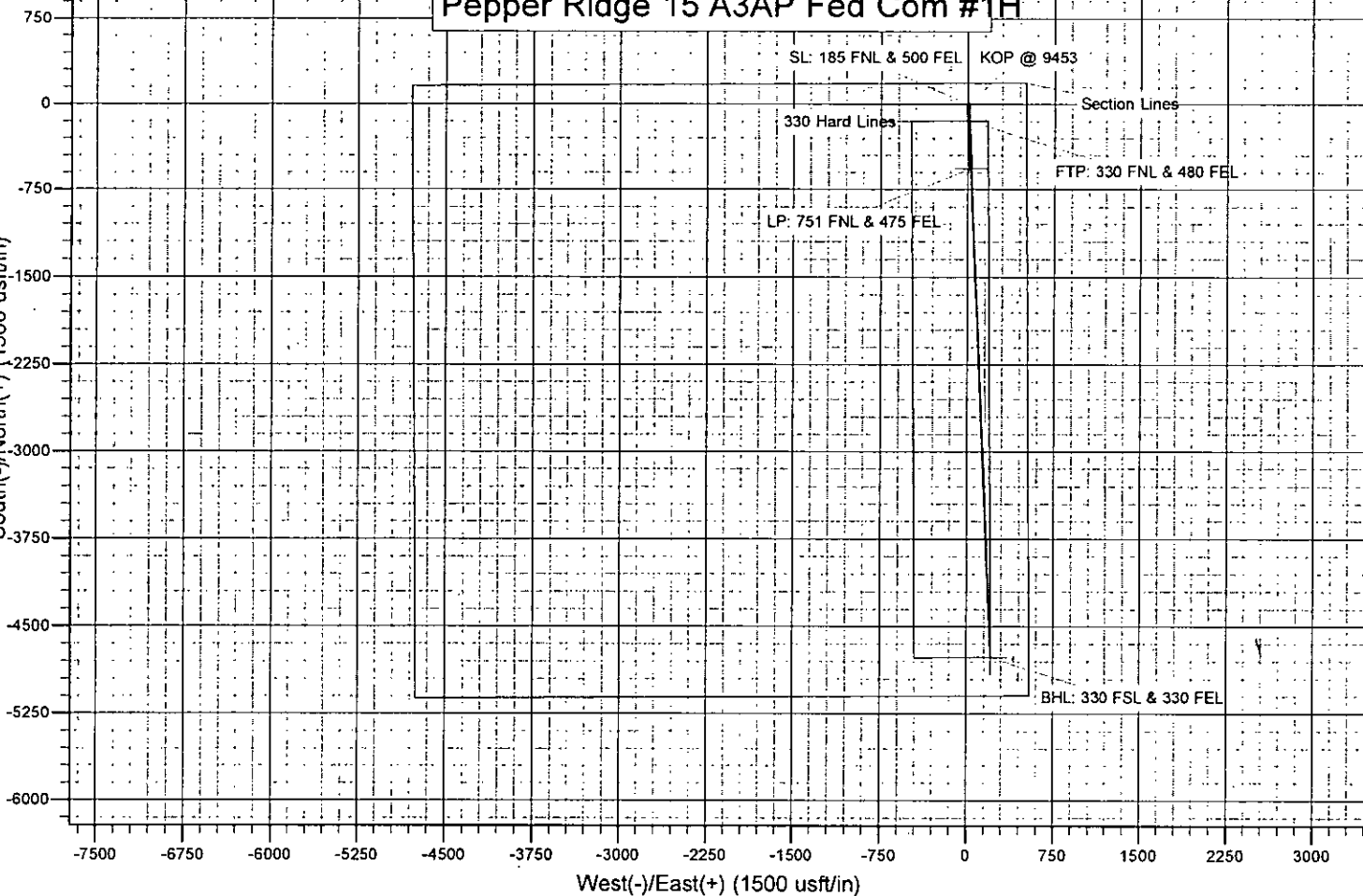
Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Pepper Ridge 15 A3AP Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3353.0usft (Original Well Elev)
Project:	Lea County, New Mexico	MD Reference:	WELL @ 3353.0usft (Original Well Elev)
Site:	Pepper Ridge 15 A3AP Fed Com #1H	North Reference:	Grid
Well:	Sec 15, T26S, R33E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 330' FEL		
Design:	Design #1		

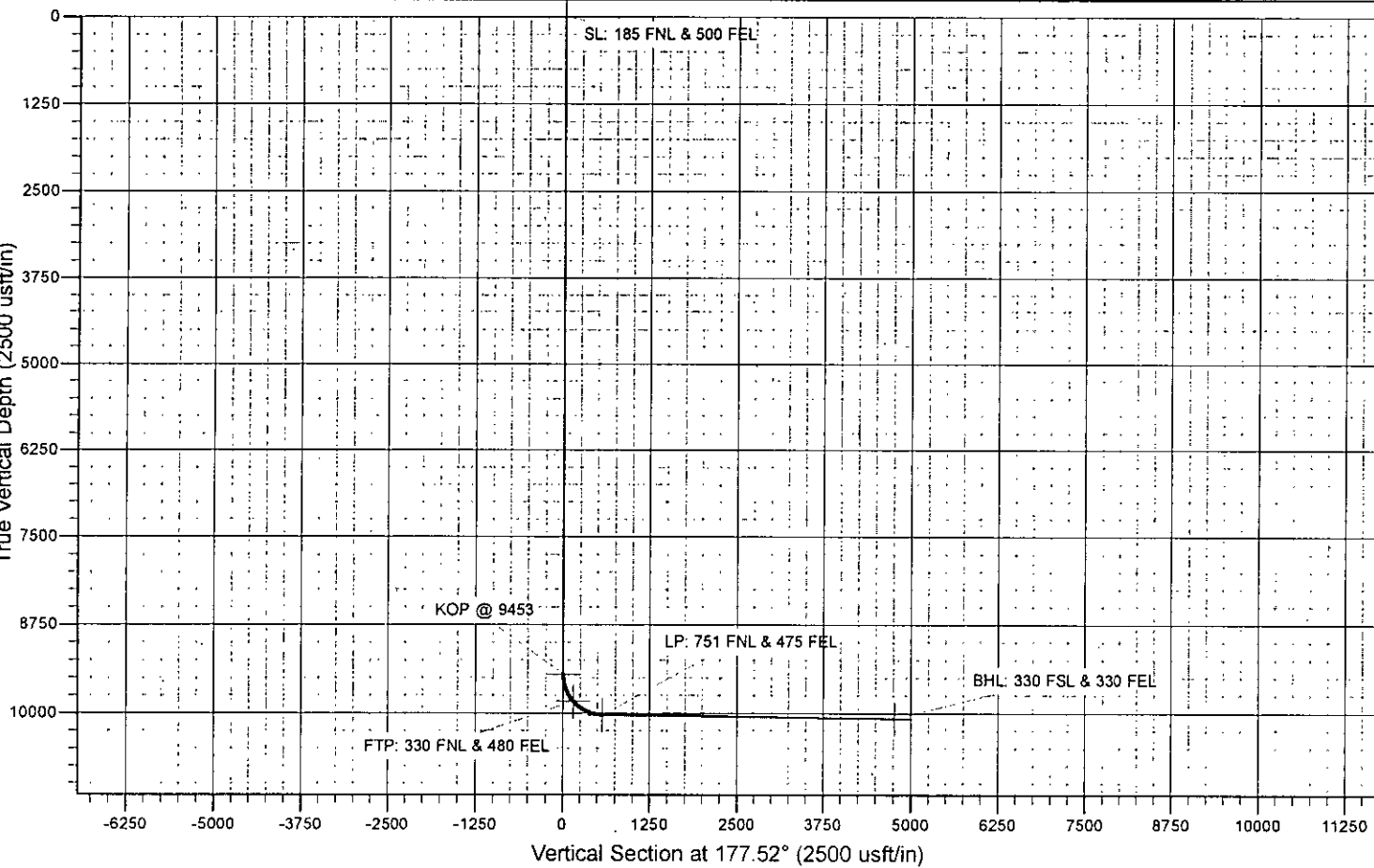
Design Targets										
Target Name	hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Shape		(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
SL: 185 FNL & 500 FEL		0.00	0.00	0.0	0.0	0.0	382,823.10	741,833.50	32° 3' 0.333 N	103° 33' 10.072 W
- plan hits target center										
- Point										
KOP @ 9453		0.00	0.00	9,453.0	0.0	0.0	382,823.10	741,833.50	32° 3' 0.333 N	103° 33' 10.072 W
- plan hits target center										
- Point										
FTP: 330 FNL & 480 FE		0.00	0.00	9,834.1	-145.0	6.3	382,678.10	741,839.80	32° 2' 58.898 N	103° 33' 10.011 W
- plan hits target center										
- Point										
LP: 751 FNL & 475 FEL		0.00	0.00	10,026.0	-565.8	24.5	382,257.30	741,858.00	32° 2' 54.733 N	103° 33' 9.835 W
- plan hits target center										
- Point										
BHL: 330 FSL & 330 FE		0.00	0.00	10,075.0	-4,764.3	206.5	378,058.80	742,040.00	32° 2' 13.172 N	103° 33' 8.074 W
- plan hits target center										
- Point										

Pepper Ridge 15 A3AP Fed Com #1H

South(-)/North(+) (1500 usft/in)



True Vertical Depth (2500 usft/in)



Mewbourne Oil Company

PO Box 5270
Hobbs, NM 88241
(575) 393-5905

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of State and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Executed this 4 day of JUNE, 2015.

Name: Robin Terrell

Signature: 

Position Title: Hobbs District Manager

Address: PO Box 5270, Hobbs NM 88241

Telephone: 575-393-5905

E-mail: rterrell@mewbourne.com

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

Statement Accepting Responsibility for Operations

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

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

Lease Number: NMNM 20965A & Fee
Legal Description of Land: Section 15, T-26S, R-33E Lea County, New Mexico.
Location @ 185' FNL & 500' FEL.
Formation (if applicable): Bone Sping
Bond Coverage: \$150,000
BLM Bond File: NM1693 Nationwide, NMB 000919

Authorized Signature: 

Name: Robin Terrell
Title: District Manager
Date: 6-3-15