

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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

Carlsbad Field Office
OCD Artesia

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		8. Well Name and No. FULLER 13 24 W2LM FED COM 2H
2. Name of Operator MEWBOURNE OIL COMPANY Contact: JACKIE LATHAN E-Mail: jlathan@mewbourne.com		9. API Well No. 30-015-43516-00-X1
3a. Address P O BOX 5270 HOBBS, NM 88241	3b. Phone No. (include area code) Ph: 575-393-5905	10. Field and Pool or Exploratory Area BRUSHY DRAW WOLFCAMP Purple Sage 98220
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 13 T26S R29E NWSW 2620FSL 550FWL		11. County or Parish, State EDDY COUNTY, NM

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

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

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or 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 determined that the site is ready for final inspection.

MOC would like to change BHL. See attached for changes to casing design. MOC would also like to change the well name to Fuller 13/12 W1ED Federal Com #2H. Please call Bradley Bishop or Andy Taylor with any questions.

Chart & Schematic Attached.

317659

PETROLEUM CONSERVATION
ARTESIA DISTRICT

Bond on file: NM1693 nationwide

APR 10 2017

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

RECEIVED

14. I hereby certify that the foregoing is true and correct. Electronic Submission #359419 verified by the BLM Well Information System For MEWBOURNE OIL COMPANY, sent to the Carlsbad Committed to AFMSS for processing by JENNIFER SANCHEZ on 12/13/2016 (17JAS0120SE)	
Name (Printed/Typed) ANDY TAYLOR	Title ENGINEER
Signature (Electronic Submission)	Date 11/30/2016
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
APR - 6 2017	
Approved By Teungku Muchlis Krueng	Title PETROLEUM ENGINEER
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.	Date 11/30/2016
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.	Office BUREAU OF LAND MANAGEMENT FIELD OFFICE

(Instructions on page 2)

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office
APR 10 2017
☐ AMENDED REPORT

RECEIVED
WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-43516		2 Pool Code 98220		3 Pool Name Purple Sage	
4 Property Code 317659		5 Property Name FULLER 13/12 W1ED FEDERAL COM			
7 OGRID NO. 14744		8 Operator Name MEWBOURNE OIL COMPANY			
		6 Well Number 2H		9 Elevation 2958'	
10 Surface Location					
UL or lot no. L	Section 13	Township 26S	Range 29E	Lot Idn 2620	Feet from the SOUTH
		Feet From the 440		East/West line WEST	
		County EDDY			
11 Bottom Hole Location If Different From Surface					
UL or lot no. D	Section 12	Township 26S	Range 29E	Lot Idn 330	Feet from the NORTH
		Feet from the 440		East/West line WEST	
		County EDDY			
12 Dedicated Acres 480		13 Joint or Infill		14 Consolidation Code	
				15 Order No.	

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

Map details: N 88°44'06" E 5031.87', 330', 440', B. H., PROJECT AREA, PRODUCING AREA, DETAIL "A", S. L., 2954.7', 710', 2970.9', 2956.2', 2967.4', 2620', 2695.07', 2691.23', 2696.39', N 86°59'26" E 2536.47', RRC - Firm No.: TX 10193838 NM 4655451 - Job No.: LS1507330A

17 OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered in the division.

Signature: *Bradley Bishop* Date: 11-30-2016
Printed Name: BRADLEY BISHOP
E-mail Address: BBISHOP@MEWBOURNE.COM

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

8-21-2015
Date of Survey
Signature and Seal of Professional Surveyor: *[Seal]*
19680
Certificate Number
11-29-16 Rev NAME=BH

Mewbourne Oil Company, Fuller 13/12 W1ED Fed Com #2H
 Sec 13, T26S, R29E
 SL: 2620' FSL & 440' FWL, Sec 13
 BHL: 330' FNL & 440' FWL, Sec 12

1. Geologic Formations

TVD of target	10543'	Pilot hole depth	NA
MD at TD:	18100'	Deepest expected fresh water:	125'

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface		
Rustler	580	Water	
Salado	1380		
Castile	1610		
Base Salt	2920		
Lamar	3110	Oil/Gas	
Bell Canyon	3145	Oil/Gas	
Cherry Canyon	4020	Oil/Gas	
Manzanita Marker	4200		
Brushy Canyon	5310	Oil/Gas	
Bone Spring	6905	Oil/Gas	
1 st Bone Spring Sand	7840		
2 nd Bone Spring Sand	8465		
3 rd Bone Spring Sand	9775		
Abo			
Wolfcamp	10130	Target Zone	
Devonian			
Fusselman			
Ellenburger			
Granite Wash			

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

Mewbourne Oil Company, Fuller 13/12 W1ED Fed Com #2H

Sec 13, T26S, R29E

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2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Jt Tension	SF Body Tension
	From	To								
17.5"	0'	700'	13.375"	48	H40	STC	2.12	4.75	9.58	16.10
12.25"	0'	3050'	9.625"	36	J55	LTC	1.27	2.22	4.13	5.14
8.75"	0'	10650'	7"	26	HCP110	LTC	1.51	1.93	2.50	3.00
6.125"	9948'	18100'	4.5"	13.5	P110	LTC	1.50	1.74	3.07	3.83
BLM Minimum Safety Factor			1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet				

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

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Is casing API approved? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	Y
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, Fuller 13/12 W1ED Fed Com #2H
 Sec 13, T26S, R29E
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3. Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/ sk	500# Comp. Strength (hours)	Slurry Description
Surf.	340	12.5	2.12	11	10	Lead: Class C + Salt + Gel + Extender + LCM
	200	14.8	1.34	6.3	8	Tail: Class C + Retarder
Inter.	470	12.5	2.12	11	10	Lead: Class C + Salt + Gel + Extender + LCM
	200	14.8	1.34	6.3	8	Tail: Class C + Retarder
Prod. Stg 1	355	12.5	2.12	11	9	Lead: Class C + Gel + Retarder + Defoamer + Extender
	400	15.6	1.18	5.2	10	Tail: Class H + Retarder + Fluid Loss + Defoamer
ECP/DV Tool @ 4200'						
Prod. Stg 2	65	12.5	2.12	11	9	Lead: Class C + Gel + Retarder + Defoamer + Extender
	100	14.8	1.34	6.3	8	Tail: Class C + Retarder
Liner	335	11.2	2.97	17	16	Class C + Salt + Gel + Fluid Loss + Retarder + Dispersant + Defoamer + Anti-Settling Agent

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

Casing String	TOC	% Excess
Surface	0'	100%
Intermediate	0'	25%
Production	2850'	25%
Liner	9948'	25%

Mewbourne Oil Company, Fuller 13/12 W1ED Fed Com #2H
 Sec 13, T26S, R29E
 SL: 2620' FSL & 440' FWL, Sec 13
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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"	13 5/8"	5M	Annular	X	2500#
			Blind Ram	X	5000#
			Pipe Ram	X	
			Double Ram		
			Other*		
6-1/8"	13 5/8"	5M	Annular	X	2500#
			Blind Ram	X	5000#
			Pipe Ram	X	
			Double Ram		
			Other*		

*Specify if additional ram is utilized.

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

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

X	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.
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Mewbourne Oil Company, Fuller 13/12 W1ED Fed Com #2H
 Sec 13, T26S, R29E
 SL: 2620' FSL & 440' FWL, Sec 13
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Y	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.	
	N	Are anchors required by manufacturer?
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'	700'	Spud Mud	8.6-8.8	28-34	N/C
700'	3050'	FW	8.6-9.5	28-34	N/C
3050'	9948'	FW w/ Polymer	8.6-9.7	28-34	N/C
9948'	18100'	OBM	10.0-13.0	30-40	<10cc

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times. MW up to 13.0 ppg may be required for shale control. The highest mud weight needed to balance formation pressure is expected to be 12.0 ppg.

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

Logging, Coring and Testing.	
X	Will run GR/CNL from KOP (9948') 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	9948' (KOP) to TD
	Density	
	CBL	
	Mud log	
	PEX	

Mewbourne Oil Company, Fuller 13/12 W1ED Fed Com #2H
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7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	6579 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

Eddy County, New Mexico

Fuller 13/24 W1ED Fed Com #2H

Sec 13, T26S, R29E

SL: 2620' FSL & 440' FWL, Sec 13

BHL: 330' FNL & 440' FWL, Sec 12

Plan: Design #1

Standard Planning Report

29 November, 2016

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Fuller 13/24 W1ED Fed Com #2H
Well: Sec 13, T26S, R29E
Wellbore: BHL: 330' FNL & 440' FWL, Sec 12
Design: Design #1

Local Co-ordinate Reference: Site Fuller 13/24 W1ED Fed Com #2H
TVD Reference: WELL @ 2985.0usft (Original Well Elev)
MD Reference: WELL @ 2985.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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

Site		Fuller 13/24 W1ED Fed Com #2H			
Site Position:		Northing:	379,082.00 usft	Latitude:	32° 2' 29.804 N
From:	Map	Easting:	620,745.00 usft	Longitude:	103° 56' 37.147 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.21 °

Well	Sec 13, T26S, R29E					
Well Position	+N/-S	0.0 usft	Northing:	379,082.00 usft	Latitude:	32° 2' 29.804 N
	+E/-W	0.0 usft	Easting:	620,745.00 usft	Longitude:	103° 56' 37.147 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	2,985.0 usft	Ground Level:	2,958.0 usft

Wellbore	BHL: 330' FNL & 440' FWL, Sec 12				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	7.90	60.00	48,644

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	359.97	

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	
9,948.0	0.00	0.00	9,948.0	0.0	0.0	0.00	0.00	0.00	0.00	KOP @ 9948'
10,846.3	89.83	359.97	10,521.0	571.2	-0.3	10.00	10.00	0.00	-0.03	
18,097.1	89.83	359.97	10,543.0	7,822.0	-4.0	0.00	0.00	0.00	0.00	BHL: 330' FNL & 440'

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Fuller 13/24 W1ED Fed Com #2H
Well: Sec 13, T26S, R29E
Wellbore: BHL: 330' FNL & 440' FWL, Sec 12
Design: Design #1

Local Co-ordinate Reference: Site Fuller 13/24 W1ED Fed Com #2H
TVD Reference: WELL @ 2985.0usft (Original Well Elev)
MD Reference: WELL @ 2985.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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: 2620' FSL & 440' FWL, Sec13									
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
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Fuller 13/24 W1ED Fed Com #2H
Well: Sec 13, T26S, R29E
Wellbore: BHL: 330' FNL & 440' FWL, Sec 12
Design: Design #1

Local Co-ordinate Reference: Site Fuller 13/24 W1ED Fed Com #2H
TVD Reference: WELL @ 2985.0usft (Original Well Elev)
MD Reference: WELL @ 2985.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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
9,500.0	0.00	0.00	9,500.0	0.0	0.0	0.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,600.0	0.0	0.0	0.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,700.0	0.0	0.0	0.0	0.00	0.00	0.00
9,800.0	0.00	0.00	9,800.0	0.0	0.0	0.0	0.00	0.00	0.00
9,900.0	0.00	0.00	9,900.0	0.0	0.0	0.0	0.00	0.00	0.00
9,948.0	0.00	0.00	9,948.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP @ 9948'									
10,000.0	5.20	359.97	9,999.9	2.4	0.0	2.4	10.00	10.00	0.00
10,100.0	15.20	359.97	10,098.2	20.0	0.0	20.0	10.00	10.00	0.00
10,200.0	25.20	359.97	10,192.0	54.5	0.0	54.5	10.00	10.00	0.00
10,300.0	35.20	359.97	10,278.3	104.7	-0.1	104.7	10.00	10.00	0.00

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Eddy County, New Mexico
 Site: Fuller 13/24 W1ED Fed Com #2H
 Well: Sec 13, T26S, R29E
 Wellbore: BHL: 330' FNL & 440' FWL, Sec 12
 Design: Design #1

Local Co-ordinate Reference: Site Fuller 13/24 W1ED Fed Com #2H
 TVD Reference: WELL @ 2985.0usft (Original Well Elev)
 MD Reference: WELL @ 2985.0usft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

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)
10,400.0	45.20	359.97	10,354.6	169.2	-0.1	169.2	10.00	10.00	0.00
10,500.0	55.20	359.97	10,418.5	245.9	-0.1	245.9	10.00	10.00	0.00
10,600.0	65.20	359.97	10,468.1	332.6	-0.2	332.6	10.00	10.00	0.00
10,619.0	67.10	359.97	10,475.8	350.0	-0.2	350.0	10.00	10.00	0.00
FTP: 2310' FNL & 440' FWL, Sec 13									
10,700.0	75.20	359.97	10,502.0	426.6	-0.2	426.6	10.00	10.00	0.00
10,800.0	85.20	359.97	10,519.0	525.0	-0.3	525.0	10.00	10.00	0.00
10,846.3	89.82	359.97	10,521.0	571.2	-0.3	571.2	10.00	10.00	0.00
LP: 2089' FNL & 440' FWL, Sec 13									
10,900.0	89.83	359.97	10,521.2	624.9	-0.3	624.9	0.00	0.00	0.00
11,000.0	89.83	359.97	10,521.5	724.9	-0.4	724.9	0.00	0.00	0.00
11,100.0	89.83	359.97	10,521.8	824.9	-0.4	824.9	0.00	0.00	0.00
11,200.0	89.83	359.97	10,522.1	924.9	-0.5	924.9	0.00	0.00	0.00
11,300.0	89.83	359.97	10,522.4	1,024.9	-0.5	1,024.9	0.00	0.00	0.00
11,400.0	89.83	359.97	10,522.7	1,124.9	-0.6	1,124.9	0.00	0.00	0.00
11,500.0	89.83	359.97	10,523.0	1,224.9	-0.6	1,224.9	0.00	0.00	0.00
11,600.0	89.83	359.97	10,523.3	1,324.9	-0.7	1,324.9	0.00	0.00	0.00
11,700.0	89.83	359.97	10,523.6	1,424.9	-0.7	1,424.9	0.00	0.00	0.00
11,800.0	89.83	359.97	10,523.9	1,524.9	-0.8	1,524.9	0.00	0.00	0.00
11,900.0	89.83	359.97	10,524.2	1,624.9	-0.8	1,624.9	0.00	0.00	0.00
12,000.0	89.83	359.97	10,524.5	1,724.9	-0.9	1,724.9	0.00	0.00	0.00
12,100.0	89.83	359.97	10,524.8	1,824.9	-0.9	1,824.9	0.00	0.00	0.00
12,200.0	89.83	359.97	10,525.1	1,924.9	-1.0	1,924.9	0.00	0.00	0.00
12,300.0	89.83	359.97	10,525.4	2,024.9	-1.0	2,024.9	0.00	0.00	0.00
12,400.0	89.83	359.97	10,525.7	2,124.9	-1.1	2,124.9	0.00	0.00	0.00
12,500.0	89.83	359.97	10,526.0	2,224.9	-1.1	2,224.9	0.00	0.00	0.00
12,600.0	89.83	359.97	10,526.3	2,324.9	-1.2	2,324.9	0.00	0.00	0.00
12,700.0	89.83	359.97	10,526.6	2,424.9	-1.2	2,424.9	0.00	0.00	0.00
12,800.0	89.83	359.97	10,526.9	2,524.9	-1.3	2,524.9	0.00	0.00	0.00
12,900.0	89.83	359.97	10,527.2	2,624.9	-1.3	2,624.9	0.00	0.00	0.00
13,000.0	89.83	359.97	10,527.5	2,724.9	-1.4	2,724.9	0.00	0.00	0.00
13,100.0	89.83	359.97	10,527.8	2,824.9	-1.4	2,824.9	0.00	0.00	0.00
13,200.0	89.83	359.97	10,528.1	2,924.9	-1.5	2,924.9	0.00	0.00	0.00
13,300.0	89.83	359.97	10,528.4	3,024.9	-1.5	3,024.9	0.00	0.00	0.00
13,400.0	89.83	359.97	10,528.7	3,124.9	-1.6	3,124.9	0.00	0.00	0.00
13,500.0	89.83	359.97	10,529.1	3,224.9	-1.6	3,224.9	0.00	0.00	0.00
13,600.0	89.83	359.97	10,529.4	3,324.9	-1.7	3,324.9	0.00	0.00	0.00
13,700.0	89.83	359.97	10,529.7	3,424.9	-1.8	3,424.9	0.00	0.00	0.00
13,800.0	89.83	359.97	10,530.0	3,524.9	-1.8	3,524.9	0.00	0.00	0.00
13,900.0	89.83	359.97	10,530.3	3,624.9	-1.9	3,624.9	0.00	0.00	0.00
14,000.0	89.83	359.97	10,530.6	3,724.9	-1.9	3,724.9	0.00	0.00	0.00
14,100.0	89.83	359.97	10,530.9	3,824.9	-2.0	3,824.9	0.00	0.00	0.00
14,200.0	89.83	359.97	10,531.2	3,924.9	-2.0	3,924.9	0.00	0.00	0.00
14,300.0	89.83	359.97	10,531.5	4,024.9	-2.1	4,024.9	0.00	0.00	0.00
14,400.0	89.83	359.97	10,531.8	4,124.9	-2.1	4,124.9	0.00	0.00	0.00
14,500.0	89.83	359.97	10,532.1	4,224.9	-2.2	4,224.9	0.00	0.00	0.00
14,600.0	89.83	359.97	10,532.4	4,324.9	-2.2	4,324.9	0.00	0.00	0.00
14,700.0	89.83	359.97	10,532.7	4,424.9	-2.3	4,424.9	0.00	0.00	0.00
14,800.0	89.83	359.97	10,533.0	4,524.9	-2.3	4,524.9	0.00	0.00	0.00
14,900.0	89.83	359.97	10,533.3	4,624.9	-2.4	4,624.9	0.00	0.00	0.00
15,000.0	89.83	359.97	10,533.6	4,724.9	-2.4	4,724.9	0.00	0.00	0.00
15,100.0	89.83	359.97	10,533.9	4,824.9	-2.5	4,824.9	0.00	0.00	0.00
15,200.0	89.83	359.97	10,534.2	4,924.9	-2.5	4,924.9	0.00	0.00	0.00
15,300.0	89.83	359.97	10,534.5	5,024.9	-2.6	5,024.9	0.00	0.00	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Fuller 13/24 W1ED Fed Com #2H
Well: Sec 13, T26S, R29E
Wellbore: BHL: 330' FNL & 440' FWL, Sec 12
Design: Design #1

Local Co-ordinate Reference: Site Fuller 13/24 W1ED Fed Com #2H
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MD Reference: WELL @ 2985.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
15,400.0	89.83	359.97	10,534.8	5,124.9	-2.6	5,124.9	0.00	0.00	0.00
15,500.0	89.83	359.97	10,535.1	5,224.9	-2.7	5,224.9	0.00	0.00	0.00
15,600.0	89.83	359.97	10,535.4	5,324.9	-2.7	5,324.9	0.00	0.00	0.00
15,700.0	89.83	359.97	10,535.7	5,424.9	-2.8	5,424.9	0.00	0.00	0.00
15,800.0	89.83	359.97	10,536.0	5,524.9	-2.8	5,524.9	0.00	0.00	0.00
15,900.0	89.83	359.97	10,536.3	5,624.9	-2.9	5,624.9	0.00	0.00	0.00
16,000.0	89.83	359.97	10,536.6	5,724.9	-2.9	5,724.9	0.00	0.00	0.00
16,100.0	89.83	359.97	10,536.9	5,824.9	-3.0	5,824.9	0.00	0.00	0.00
16,200.0	89.83	359.97	10,537.2	5,924.9	-3.0	5,924.9	0.00	0.00	0.00
16,300.0	89.83	359.97	10,537.5	6,024.9	-3.1	6,024.9	0.00	0.00	0.00
16,400.0	89.83	359.97	10,537.9	6,124.9	-3.1	6,124.9	0.00	0.00	0.00
16,500.0	89.83	359.97	10,538.2	6,224.9	-3.2	6,224.9	0.00	0.00	0.00
16,600.0	89.83	359.97	10,538.5	6,324.9	-3.2	6,324.9	0.00	0.00	0.00
16,700.0	89.83	359.97	10,538.8	6,424.9	-3.3	6,424.9	0.00	0.00	0.00
16,800.0	89.83	359.97	10,539.1	6,524.9	-3.3	6,524.9	0.00	0.00	0.00
16,900.0	89.83	359.97	10,539.4	6,624.9	-3.4	6,624.9	0.00	0.00	0.00
17,000.0	89.83	359.97	10,539.7	6,724.9	-3.4	6,724.9	0.00	0.00	0.00
17,100.0	89.83	359.97	10,540.0	6,824.9	-3.5	6,824.9	0.00	0.00	0.00
17,200.0	89.83	359.97	10,540.3	6,924.9	-3.5	6,924.9	0.00	0.00	0.00
17,300.0	89.83	359.97	10,540.6	7,024.9	-3.6	7,024.9	0.00	0.00	0.00
17,400.0	89.83	359.97	10,540.9	7,124.9	-3.6	7,124.9	0.00	0.00	0.00
17,500.0	89.83	359.97	10,541.2	7,224.9	-3.7	7,224.9	0.00	0.00	0.00
17,600.0	89.83	359.97	10,541.5	7,324.9	-3.7	7,324.9	0.00	0.00	0.00
17,700.0	89.83	359.97	10,541.8	7,424.9	-3.8	7,424.9	0.00	0.00	0.00
17,800.0	89.83	359.97	10,542.1	7,524.9	-3.8	7,524.9	0.00	0.00	0.00
17,900.0	89.83	359.97	10,542.4	7,624.9	-3.9	7,624.9	0.00	0.00	0.00
18,000.0	89.83	359.97	10,542.7	7,724.9	-4.0	7,724.9	0.00	0.00	0.00
18,097.1	89.83	359.97	10,543.0	7,822.0	-4.0	7,822.0	0.00	0.00	0.00

BHL: 330' FNL & 440' FWL, Sec 12

Design Targets

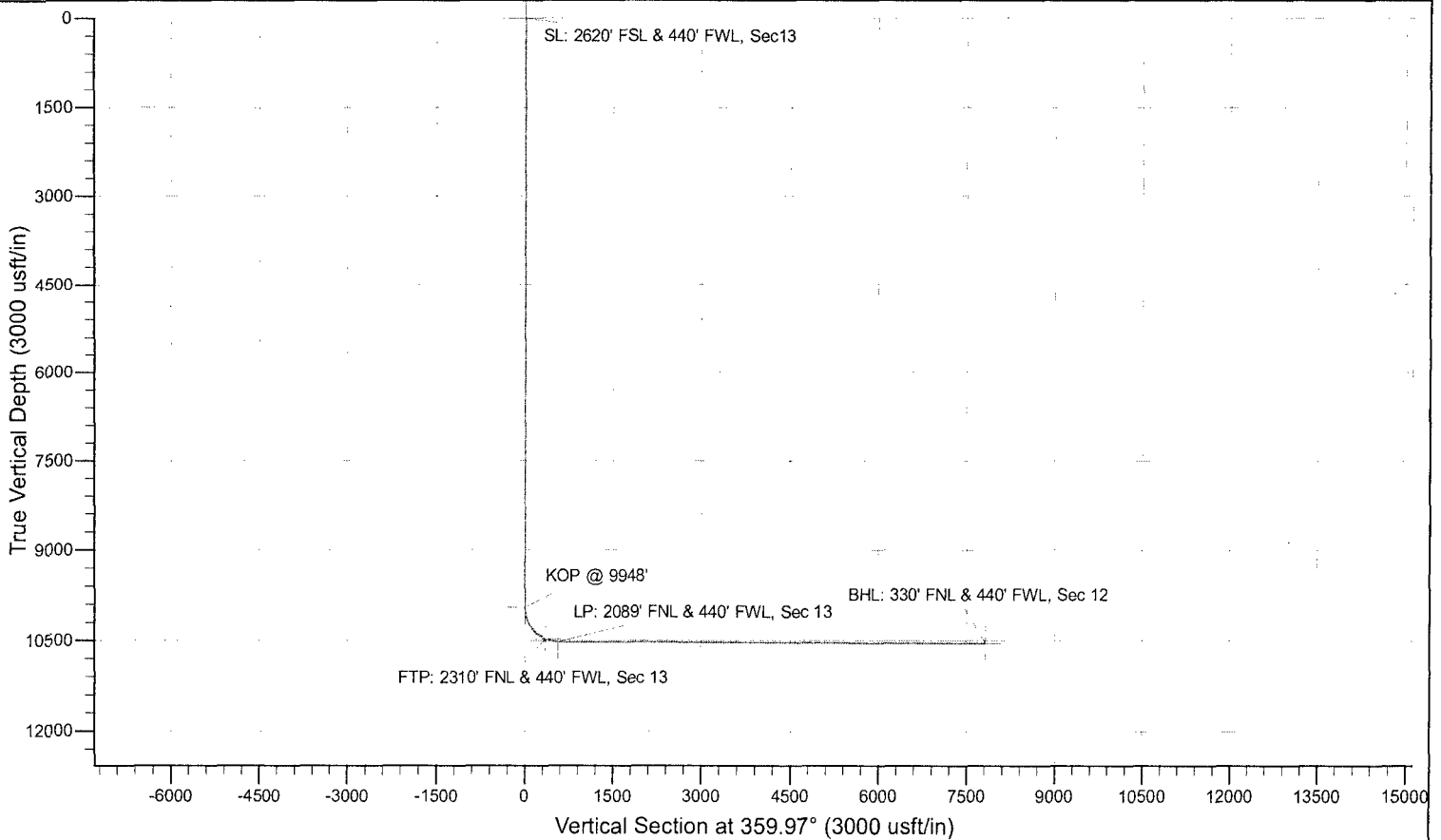
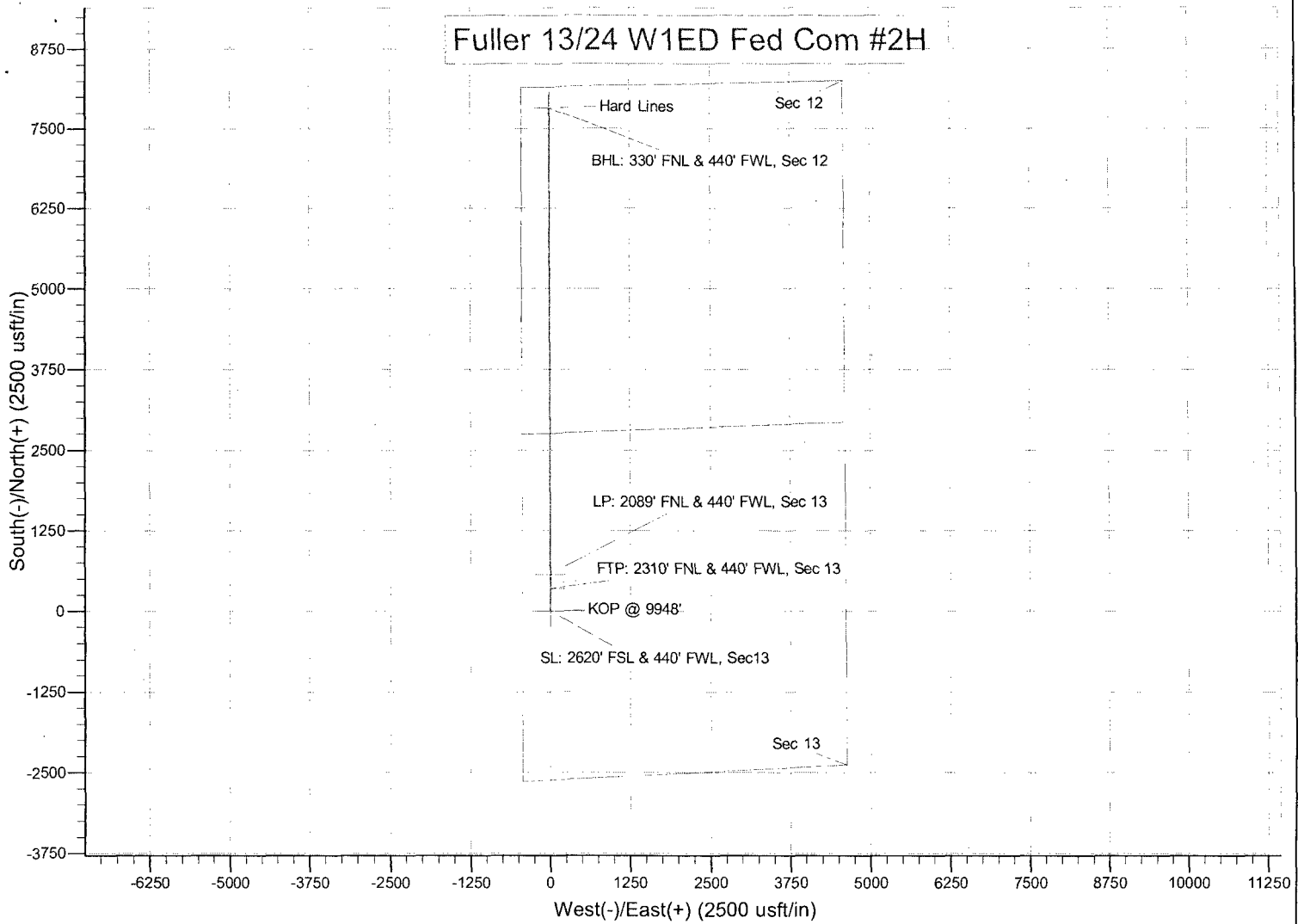
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SL: 2620' FSL & 440' FV - plan hits target center - Point	0.00	0.01	0.0	0.0	0.0	379,082.00	620,745.00	32° 2' 29.804 N	103° 56' 37.147 W
KOP @ 9948' - plan hits target center - Point	0.00	0.01	9,948.0	0.0	0.0	379,082.00	620,745.00	32° 2' 29.804 N	103° 56' 37.147 W
FTP: 2310' FNL & 440' F - plan hits target center - Point	0.00	0.00	10,475.8	350.0	-0.2	379,432.00	620,744.82	32° 2' 33.268 N	103° 56' 37.134 W
LP: 2089' FNL & 440' FV - plan hits target center - Point	0.00	0.00	10,521.0	571.2	-0.3	379,653.20	620,744.70	32° 2' 35.457 N	103° 56' 37.126 W
BHL: 330' FNL & 440' FV - plan hits target center - Point	0.00	0.00	10,543.0	7,822.0	-4.0	386,904.00	620,741.00	32° 3' 47.214 N	103° 56' 36.865 W

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Fuller 13/24 W1ED Fed Com #2H
Well: Sec 13, T26S, R29E
Wellbore: BHL: 330' FNL & 440' FWL, Sec 12
Design: Design #1

Local Co-ordinate Reference: Site Fuller 13/24 W1ED Fed Com #2H
TVD Reference: WELL @ 2985.0usft (Original Well Elev)
MD Reference: WELL @ 2985.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Fuller 13/24 W1ED Fed Com #2H



30-015-43516

Fuller 13-24 W2LM Fed Com 2H

All previous COA still apply except the following

The minimum required fill of cement behind the 7 inch production casing is:

Operator has proposed DV tool at depth of 4200', but will adjust cement proportionately if moved. DV tool shall be set a minimum of 50' below previous shoe and a minimum of 200' above current shoe. Operator shall submit sundry if DV tool depth cannot be set in this range. If an ECP is used, it is to be set a minimum of 50' below the shoe to provide cement across the shoe. If it cannot be set below the shoe, a CBL shall be run to verify cement coverage.

a. First stage to DV tool:

☒ Cement to circulate. If cement does not circulate, 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, contact the appropriate BLM office.

High Cave Karst: two casing strings, both to circulate cement to surface.

13 3/8 surface csg in a			17 1/2	inch hole.	Design Factors		SURFACE		
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	Weight
"A"	48.00	H 40		ST&C	9.58	2.41	1.09	700	33,600
"B"								0	0
w/8.4#/g mud, 30min Sfc Csg Test psig: 906				Tail Cmt	does not	circ to sfc.	Totals:	700	33,600
<u>Comparison of Proposed to Minimum Required Cement Volumes</u>									
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd	Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE	Hole-Cplg
17 1/2	0.6946	540	989	541	83	8.80	913	2M	1.56

9 5/8 sing inside the			13 3/8	-	Design Factors		INTERMEDIATE		
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	Weight
"A"	36.00	J 55		LT&C	4.13	1.27	0.68	3,050	109,800
"B"								0	0
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,133							Totals:	3,050	109,800
The cement volume(s) are intended to achieve a top of					0	ft from surface or a		700	overlap.
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd	Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE	Hole-Cplg
12 1/4	0.3132	670	1264	1019	24	10.00	2884	3M	0.81

Burst Frac Gradient(s) for
Segment(s): A, B, C, D = 1.15, b, c,
d All > 0.70, OK.

7 sing inside the			9 5/8	-	Design Factors		PRODUCTION		
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	Weight
"A"	26.00	HCP 110		LT&C	2.53	1.59	1.91	9,948	258,648
"B"	26.00	HCP 110		BUTT	6.37	1.38	1.91	702	18,252
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,189							Totals:	10,650	276,900
B would be:					53.68	1.50	if it were a vertical wellbore.		
#REF!			MTD	Max VTD	Csg VD	Curve KOP	Dogleg°	Severity°	MEOC
			10650	10543	10543	9948	90	10	10846
The cement volume(s) are intended to achieve a top of					2850	ft from surface or a		200	overlap.
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd	Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE	Hole-Cplg
8 3/4	0.1503	look	0	1185		9.50	4800	5M	0.55
Setting Depths for D V Tool(s):				4200			sum of sx	Σ CuFt	Σ%excess
% excess cmt by stage:				25	32		920	1496	26

MASP is
within 10%

Per operator: MOC will be utilizing 13 # mud for over pressuring Wolfcamp formation