Form 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB No. 1004-0135
Expires: January 31, 2004

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

5. Lease Serial No.
NMNM-13237 (SHL) BHL: NMO144698
6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.
Ruger 6 Fed Com #4H

2. Name of Operator
Mewbourne Oil Company 14744

9. API Well No.
30-015-37198

3a. Address
PO Box 5270 Hobbs, NM 88241

3b. Phone No. *(include area code)*
575-393-5905

10. Field and Pool, or Exploratory Area
Winchester Bone Spring

4. Location of Well *(Footage, Sec., T, R., M., or Survey Description)*
150' FNL & 1755' FEL, Lot 2, Sec 6-T20SS-R29E

11. County or Parish, State
Eddy County, NM

12. CHECK 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	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other Name Change
	☑ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

3. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

OGRID 14744
Eff. date 1/28/11
Prop 37768

Mewbourne Oil Company has an approved APD for the above captioned well. We would like to change the name to the Ruger 6 Fed Com #3H, Mewbourne already has an expired APD (API #30-015-34968) with this same name.

In addition, Mewbourne wishes to revise our drilling program. Please see attached, C102, Directional plan & Drilling program.

If you have any questions please call 575-393-5905.

SEE ATTACHED FOR CONDITIONS OF APPROVAL

SUBJECT TO LIKE APPROVAL BY STATE

RECEIVED
FEB 01 2011
NMOCD ARTESIA

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

Title Hobbs Regulatory

Signature Jackie Lathan

Date 01/18/11

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by *(Signature)*

Name *(Printed/Typed)*

Title

Office

APPROVED
/s/ Chris Walls
JAN 28 2011
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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.

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 next page)

Ruger "6" Fed Com #4H (API 30-015-37198). Sundry Attachment

Mewbourne Oil Co. wishes to change the drilling program as follows:

Casing Program:
Surface and intermediate casing strings remain as applied.
Omit the 5 ½" casing.
Production casing and liner as follows:

Hole Size	Casing	Wt/ft	Grade	Depth	Jt Type
8 ¾"	7"	26#	P110	8344'	LT&C
8 ¾"	7"	26#	P110	8344'-9244'	BT&C
6 1/8"	4 ½"	11.6#	P110	9050'-~~13,611'~~ 13,586	LT&C

Cementing Program:
Surface and intermediate casing strings remain as applied.
7" production casing cemented with 450 sacks 35:65 Class "H" poz mix cement containing 6%gel, 5#/sack gilsonite. Yield at 1.98 cuft/sk. 400 sacks Class "H" cement w/FLA. Yield at 1.52 cuft/sk. Cement top @ 1300'. 7" casing & cement will provide lease line isolation.
4 ½" production liner will utilize a packer/port completion system with a packer type liner hanger set approx 200' inside the 7" casing. The liner will not be cemented.

Mud Program:
0'-3100' remain as applied.

Interval	Type System	Weight	Viscosity	Fluid Loss
3100'-8344'	FW	8.4-8.6	28-30	NA
8344'-TD	FW/Starch-Polymer	8.4-8.6	32-40	8-15

CONDITIONS OF APPROVAL

OPERATOR'S NAME:	**Mewbourne Oil Company**
LEASE NO.:	**NMNM0144698**
WELL NAME & NO.:	**Ruger 6 Federal 3H**
SURFACE HOLE FOOTAGE:	**150' FNL &1755' FEL**
API #	**30-015-37198**
LOCATION:	**Section 6, T. 20 S., R 29 E., NMPM**
COUNTY:	**Eddy County, New Mexico**

A. CASING

1. The **20** inch surface casing shall be set **at approximately 300 feet (a minimum of 25 feet into the Rustler Anhydrite and above the salt) and cemented to the surface.**

   a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with a surface log readout will be used or a cement bond log shall be run to verify the top of the cement.

   b. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.

   c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.

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

2. The minimum required fill of cement behind the **13-3/8** inch first intermediate casing is:

   ☒ Cement to surface. If cement does not circulate see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to high cave/karst and Capitan Reef concerns.**

3. The minimum required fill of cement behind the 9-5/8 inch second intermediate casing is:

   ☒ Cement to surface. If cement does not circulate, contact the appropriate BLM office. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to high cave/karst and Capitan Reef concerns. Additional cement will be required as excess cement calculates to 5%.**

If 75% or greater lost circulation occurs while drilling the intermediate casing hole, the cement on the production casing must come to surface.

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

   ☒ Cement should tie-back to approximately **1300** feet. This will provide a second barrier for the Capitan Reef. Operator shall provide method of verification.

5. The minimum required fill of cement behind the **4-1/2** inch production casing is:

   ☒ Cement not required – Packer/Port system to be used.

6. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

B. WASTE MATERIAL AND FLUIDS

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

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

CRW 012811

Mewbourne Oil Co

Eddy, New Mexico
Sec 6-20S-29E
Ruger 6 Fed Com #3H

Wellbore #1

Plan: Design #1

DDC Well Planning Report

24 January, 2011

RECEIVED
FEB 01 2011
NMOCD ARTESIA

DDC
The DIRECTIONAL DRILLING COMPANY

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well Ruger 6 Fed Com #3H
Company:	Mewbourne Oil Co	**TVD Reference:**	WELL @ 3312.0usft (Patterson UTI #47)
Project:	Eddy, New Mexico	**MD Reference:**	WELL @ 3312.0usft (Patterson UTI #47)
Site:	Sec 6-20S-29E	**North Reference:**	Grid
Well:	Ruger 6 Fed Com #3H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project Eddy, 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 Sec 6-20S-29E

Site Position:		**Northing:**	585,555.00 usft	**Latitude:**	32° 36' 34.554 N
From:	Map	**Easting:**	568,460.40 usft	**Longitude:**	104° 6' 39.623 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.12 °

Well Ruger 6 Fed Com #3H

Well Position	**+N/-S**	0.0 usft	**Northing:**	585,555.00 usft	**Latitude:**	32° 36' 34.554 N
	+E/-W	0.0 usft	**Easting:**	568,460.40 usft	**Longitude:**	104° 6' 39.623 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,294.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/24/2011	7.91	60.46	48,828

Design Design #1

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	179.87

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	
8,344.1	0.00	0.00	8,344.1	0.0	0.0	0.00	0.00	0.00	0.00	
9,233.6	88.95	179.87	8,917.0	-562.4	1.3	10.00	10.00	20.22	179.87	
13,585.8	88.95	179.87	8,997.0	-4,913.9	11.4	0.00	0.00	0.00	0.00	PBHL Ruger 6 Fed

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well Ruger 6 Fed Com #3H
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Site:	Sec 6-20S-29E	**North Reference:**	Grid
Well:	Ruger 6 Fed Com #3H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
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
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
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00

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Wellbore:	Wellbore #1		
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)
5,400.0	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
Build 10°/100' @ 8344' MD									
8,344.1	0.00	0.00	8,344.1	0.0	0.0	0.0	0.00	0.00	0.00
8,400.0	5.59	179.87	8,399.9	-2.7	0.0	2.7	10.00	10.00	0.00
8,500.0	15.59	179.87	8,498.1	-21.1	0.0	21.1	10.00	10.00	0.00
8,600.0	25.59	179.87	8,591.6	-56.2	0.1	56.2	10.00	10.00	0.00
8,700.0	35.59	179.87	8,677.6	-107.0	0.2	107.0	10.00	10.00	0.00
8,800.0	45.59	179.87	8,753.4	-172.0	0.4	172.0	10.00	10.00	0.00
8,900.0	55.59	179.87	8,816.8	-249.2	0.6	249.2	10.00	10.00	0.00
9,000.0	65.59	179.87	8,865.8	-336.2	0.8	336.2	10.00	10.00	0.00
9,100.0	75.59	179.87	8,899.0	-430.4	1.0	430.4	10.00	10.00	0.00
9,200.0	85.59	179.87	8,915.4	-528.9	1.2	528.9	10.00	10.00	0.00
EOB @ 9234' MD / 88.95° Inc / 179.87° Azm / 8917' TVD									
9,233.6	88.95	179.87	8,917.0	-562.4	1.3	562.4	10.00	10.00	0.00
9,300.0	88.95	179.87	8,918.2	-628.8	1.5	628.8	0.00	0.00	0.00
9,400.0	88.95	179.87	8,920.0	-728.8	1.7	728.8	0.00	0.00	0.00
9,500.0	88.95	179.87	8,921.9	-828.8	1.9	828.8	0.00	0.00	0.00
9,600.0	88.95	179.87	8,923.7	-928.8	2.2	928.8	0.00	0.00	0.00
9,700.0	88.95	179.87	8,925.5	-1,028.8	2.4	1,028.8	0.00	0.00	0.00
9,800.0	88.95	179.87	8,927.4	-1,128.8	2.6	1,128.8	0.00	0.00	0.00
9,900.0	88.95	179.87	8,929.2	-1,228.7	2.9	1,228.7	0.00	0.00	0.00
10,000.0	88.95	179.87	8,931.1	-1,328.7	3.1	1,328.7	0.00	0.00	0.00
10,100.0	88.95	179.87	8,932.9	-1,428.7	3.3	1,428.7	0.00	0.00	0.00
10,200.0	88.95	179.87	8,934.7	-1,528.7	3.5	1,528.7	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well Ruger 6 Fed Com #3H
Company:	Mewbourne Oil Co	**TVD Reference:**	WELL @ 3312.0usft (Patterson UTI #47)
Project:	Eddy, New Mexico	**MD Reference:**	WELL @ 3312.0usft (Patterson UTI #47)
Site:	Sec 6-20S-29E	**North Reference:**	Grid
Well:	Ruger 6 Fed Com #3H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
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	88.95	179.87	8,936.6	-1,628.7	3.8	1,628.7	0.00	0.00	0.00
10,400.0	88.95	179.87	8,938.4	-1,728.7	4.0	1,728.7	0.00	0.00	0.00
10,500.0	88.95	179.87	8,940.3	-1,828.6	4.2	1,828.6	0.00	0.00	0.00
10,600.0	88.95	179.87	8,942.1	-1,928.6	4.5	1,928.6	0.00	0.00	0.00
10,700.0	88.95	179.87	8,943.9	-2,028.6	4.7	2,028.6	0.00	0.00	0.00
10,800.0	88.95	179.87	8,945.8	-2,128.6	4.9	2,128.6	0.00	0.00	0.00
10,900.0	88.95	179.87	8,947.6	-2,228.6	5.2	2,228.6	0.00	0.00	0.00
11,000.0	88.95	179.87	8,949.4	-2,328.6	5.4	2,328.6	0.00	0.00	0.00
11,100.0	88.95	179.87	8,951.3	-2,428.5	5.6	2,428.5	0.00	0.00	0.00
11,200.0	88.95	179.87	8,953.1	-2,528.5	5.9	2,528.5	0.00	0.00	0.00
11,300.0	88.95	179.87	8,955.0	-2,628.5	6.1	2,628.5	0.00	0.00	0.00
11,400.0	88.95	179.87	8,956.8	-2,728.5	6.3	2,728.5	0.00	0.00	0.00
11,500.0	88.95	179.87	8,958.6	-2,828.5	6.6	2,828.5	0.00	0.00	0.00
11,600.0	88.95	179.87	8,960.5	-2,928.5	6.8	2,928.5	0.00	0.00	0.00
11,700.0	88.95	179.87	8,962.3	-3,028.4	7.0	3,028.4	0.00	0.00	0.00
11,800.0	88.95	179.87	8,964.2	-3,128.4	7.3	3,128.4	0.00	0.00	0.00
11,900.0	88.95	179.87	8,966.0	-3,228.4	7.5	3,228.4	0.00	0.00	0.00
12,000.0	88.95	179.87	8,967.8	-3,328.4	7.7	3,328.4	0.00	0.00	0.00
12,100.0	88.95	179.87	8,969.7	-3,428.4	8.0	3,428.4	0.00	0.00	0.00
12,200.0	88.95	179.87	8,971.5	-3,528.3	8.2	3,528.4	0.00	0.00	0.00
12,300.0	88.95	179.87	8,973.4	-3,628.3	8.4	3,628.3	0.00	0.00	0.00
12,400.0	88.95	179.87	8,975.2	-3,728.3	8.6	3,728.3	0.00	0.00	0.00
12,500.0	88.95	179.87	8,977.0	-3,828.3	8.9	3,828.3	0.00	0.00	0.00
12,600.0	88.95	179.87	8,978.9	-3,928.3	9.1	3,928.3	0.00	0.00	0.00
12,700.0	88.95	179.87	8,980.7	-4,028.3	9.3	4,028.3	0.00	0.00	0.00
12,800.0	88.95	179.87	8,982.5	-4,128.2	9.6	4,128.3	0.00	0.00	0.00
12,900.0	88.95	179.87	8,984.4	-4,228.2	9.8	4,228.2	0.00	0.00	0.00
13,000.0	88.95	179.87	8,986.2	-4,328.2	10.0	4,328.2	0.00	0.00	0.00
13,100.0	88.95	179.87	8,988.1	-4,428.2	10.3	4,428.2	0.00	0.00	0.00
13,200.0	88.95	179.87	8,989.9	-4,528.2	10.5	4,528.2	0.00	0.00	0.00
13,300.0	88.95	179.87	8,991.7	-4,628.2	10.7	4,628.2	0.00	0.00	0.00
13,400.0	88.95	179.87	8,993.6	-4,728.1	11.0	4,728.2	0.00	0.00	0.00
13,500.0	88.95	179.87	8,995.4	-4,828.1	11.2	4,828.1	0.00	0.00	0.00
TD @ 13586' MD / 8997' TVD									
13,585.8	88.95	179.87	8,997.0	-4,913.9	11.4	4,913.9	0.00	0.00	0.00

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
PBHL Ruger 6 Fed C - plan hits target center - Point	0.00	0.00	8,997.0	-4,913.9	11.4	580,641.10	568,471.80	32° 35' 45.928 N	104° 6' 39.610 W

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well Ruger 6 Fed Com #3H
Company:	Mewbourne Oil Co	**TVD Reference:**	WELL @ 3312.0usft (Patterson UTI #47)
Project:	Eddy, New Mexico	**MD Reference:**	WELL @ 3312.0usft (Patterson UTI #47)
Site:	Sec 6-20S-29E	**North Reference:**	Grid
Well:	Ruger 6 Fed Com #3H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
8,344.1	8,344.1	0.0	0.0	Build 10°/100' @ 8344' MD
9,233.6	8,917.0	-562.4	1.3	EOB @ 9234' MD / 88.95° Inc / 179.87° Azm / 8917' TVD
13,585.8	8,997.0	-4,913.9	11.4	TD @ 13586' MD / 8997' TVD