

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**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.**

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		5. Lease Serial No. NMNM0275360
2. Name of Operator MEWBOURNE OIL COMPANY Contact: JACKIE LATHAN E-Mail: jlathan@mewbourne.com		6. If Indian, Allottee or Tribe Name
3a. Address P O BOX 5270 HOBBS, NM 88241	3b. Phone No. (include area code) Ph: 575-393-5905	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T23S R27E Lot 1 185FNL 660FWL 32.296802 N Lat, 104.235173 W Lon		8. Well Name and No. JESTER 19 W2DM FED COM 1H
		9. API Well No. 30-015-42831-00-X1
		10. Field and Pool, or Exploratory FOREHAND RANCH
		11. County or Parish, and 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
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Drilling Operations
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat 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 recompleat 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.)

MOC would like to make changes to the approved APD of the above subject well. MOC would like to change the well name to Jester 19/30 W2DE Fed Com #1H as well as change the BHL. Please see attached directional plan as well as drilling program. Please call Jake Nave with any questions.

820 3/12/2015
Accepted for record
NMOC

Original COAs still stand.
~ now cementing liner

NM OIL CONSERVATION
ARTESIA DISTRICT

MAR 16 2015

14. I hereby certify that the foregoing is true and correct. Electronic Submission #294598 verified by the BLM Well Information System For MEWBOURNE OIL COMPANY, sent to the Carlsbad Committed to AFMSS for processing by JENNIFER MASON on 03/11/2015 (15JAM0236SE)		RECEIVED
Name (Printed/Typed) BRADLEY BISHOP	Title	APPROVED MAR 12 2015 BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE
Signature (Electronic Submission)	Date 03/11/2015	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved By	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Office		
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.		

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

District I
1625 N. French Dr., Hobbs, NM 88249
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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30 015 42831		2 Pool Code 76780		3 Pool Name Forehand Ranch, Southwest Wolfcamp (GAS)	
4 Property Code 314333		5 Property Name Jester 19/30 W2DE Fed Com			6 Well Number 1H
7 GRID NO. 14744		8 Operator Name MEWBOURNE OIL COMPANY			9 Elevation 3218'
10 Surface Location					
UL or lot no. D	Section 19	Township 23S	Range 27E	Lot Idn 185	Feet from the North/South line NORTH 660
East/West line WEST		County EDDY			
11 Bottom Hole Location If Different From Surface					
UL or lot no. E	Section 30	Township 23S	Range 27E	Lot Idn 2310	Feet from the North/South line NORTH 660
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.

16 GEODETIC DATA NAD 27 GRID - NM EAST SURFACE LOCATION N 471707.2 E 530330.8 LAT: 32.29680160° N LONG: 104.23517280° W CORNER DATA NAD 27 GRID - NM EAST A: FND BRASS CAP "1943" N 461282.2 - E 529656.0 B: FND BRASS CAP "1943" N 463932.6 - E 529658.0 C: FND BRASS CAP 1943 N 466582.4 - E 529660.5 D: FND BRASS CAP 1943 N 469232.9 - E 529665.1 E: FND BRASS CAP 1943 N 471883.1 - E 529671.5 F: FND 1/2" RBR IN STONE MOUND N 471919.9 - E 532336.8 G: FND PK NAIL IN CL ROAD N 471956.1 - E 534962.0 H: FND PK NAL N 466678.3 - E 534996.8 I: CALCULATED CORNER N 461349.8 - E 534937.9		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 by the division. Signature: <i>Bradley Bishop</i> Date: 3-12-15 Printed Name: BRADLEY BISHOP E-mail Address:	
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. 5-27-14 Date of Survey Signature and Seal of <i>Robert M. Howett</i> 19680 Certificate Number		Diagram showing well location and acreage dedication. The diagram includes a grid with sections 19 and 30, and ranges 27E and 28E. The well location is marked with a circle and labeled 'WELL POINT'. The diagram also shows the 'Project area' and 'Producing area'. The well is located in the 19th section, 27th range, 185th lot. The diagram includes bearings and distances for the well location and the acreage dedication. The diagram also shows the 'SEE DETAIL "A"' and 'DETAIL "A"'.	

Drilling Program
Mewbourne Oil Company
 Jester 19/30 W2DE Fed Com #1H
 SL: 185' FNL & 660' FWL, Sec 19
 BHL: 2310' FNL & 660' FWL, Sec 30
 Sec. 19 T23S R27E
 Eddy County, New Mexico

1. The estimated (TVD) tops of geological markers are as follows:

Rustler	415'
Top of Salt	540'
Base of Salt/Tansil	1930'
Delaware	2050'
Bell Canyon	NP
Cherry Canyon	NP
Manzanita Marker	NP
Brushy Canyon	NP
*Bone Springs	5310'
1 st Bone Spring Sand	6360'
2 nd Bone Spring Sand	6900'
3 rd Bone Spring Sand	8470'
Wolfcamp	8820'

2. Estimated depths of anticipated fresh water, oil, or gas:

Water	Fresh water is anticipated @ 175' and will be protected by setting surface casing at 440' and cementing to surface.
Hydrocarbons	Oil and gas are anticipated in the above (*) formations. These zones will be protected by casing as necessary.

3. Pressure control equipment:

A 2000# WP annular will be installed after running 13 3/8" casing. A 5000# WP double ram BOP and 5000# WP Annular will be installed after running 9 5/8" & 7" casing. Pressure tests will be conducted prior to drilling out under all casing strings. BOP controls will be installed prior to drilling under surface casing and will remain in use until completion of drilling operations. BOPs will be inspected and operated as recommended in Onshore Order #2. A Kelly cock and a sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position when the Kelly is not in use.

Will test the 13 3/8" annular to 1250# and the 9 5/8" & 7" BOPE to 5000# and annular to 2500# with a third party testing company before drilling below each shoe, but will test again, if needed, in 30 days from the 1st test as per BLM Onshore Oil and Gas Order #2.

4. Drilling Program:

MOC proposes to drill a vertical wellbore to 8873' & kick off to horizontal @ 9446' TVD. The well will be drilled to 16623' MD (9446' TVD). See attached directional plan.

5. Proposed casing and cementing program:

A. Casing Program:

Hole Size	Casing	Wt/Ft.	Grade	Depth	Jt Type
17 1/2"	13 3/8" (new)	48#	H40	0'-440'	ST&C
12 1/4"	9 5/8" (new)	36#	J55	0'-1980' 1880'	LT&C
8 3/4"	7" (new)	26#	P110	0-8890' MD	LT&C
8 3/4"	7" (new)	26#	P110	8873'-9773' MD	BT&C
6 1/8"	4 1/2" (new)	13.5#	P110	8873'-16623'	LT&C

Minimum casing design factors: Collapse 1.125, Burst 1.0, Tensile strength 1.8.

*Subject to availability of casing.

B. Cementing Program:

- i. Surface Casing: 300 sacks *Lite "C" (35:65:4) cement w/salt and lost circulation additives. Yield at 2.12 cuft/sk. Mix @ 11.17gal/sk FW. Cmt circulated to surface w/100% excess.
- ii. Intermediate Casing: 250 sacks *Lite "C" (35:65:4) cement w/salt and lost circulation material additives. Yield at 2.12 cuft/sk. Mix @ 11.17gal/sk FW. 200 sks class "C" neat. Yield at 1.34 cuft/sk. Mix @ 6.34 gal/sk FW. Cmt circulated to surface w/25% excess.
- iii. Production Casing: 500 sacks *Lite "C" (35:65:4) cement w/salt and fluid loss additives. Yield at 2.12 cuft/sk. Mix @ 11.17 gal/sk FW. 400 sks class "H" w/salt and fluid loss additives. Yield at 1.18 cuft/sk. Mix @ 5.21 gal/sk FW. Cmt calculated to tieback 200' into 9 5/8" casing @ 1780' w/25% excess.
- iv. Production Liner: 310 sacks Class "C" (60:40:0) cement w/4% MPA5 + 1.2% BA10A + 10#/sk BA90 + 5% A10 + 0.65% ASA301 + 1.5% SMS + 1.2% R21. *yield??*
Top of liner @ 8873'. Packer type liner hanger will be used.

*Referring to above blends of lite cement: (wt% fly ash : wt% cement : wt% bentonite of the total of first two numbers). Generic names of additives are used since the availability of specific company and products are unknown at this time.

*Mewbourne Oil Company reserves the right to change cement designs as hole conditions may warrant.

6. Mud Program:

Interval	Type System	Weight	Viscosity	Fluid Loss
0'-440'	FW spud mud	8.6-9.0	32-34	NA
440'-1980'	Brine water	10.0	29-30	NA
1980'-8873'	FW mud	8.6-8.8	28-30	NA
8873'- 16623'	FW w/Polymer	8.5-12.0	32-35	15

*Visual & electronic mud monitoring system shall be in place to detect volume changes indicating loss or gain of circulation fluid volume. Sufficient mud materials will be kept on location at all times to combat abnormal conditions.

7. Evaluation Program:

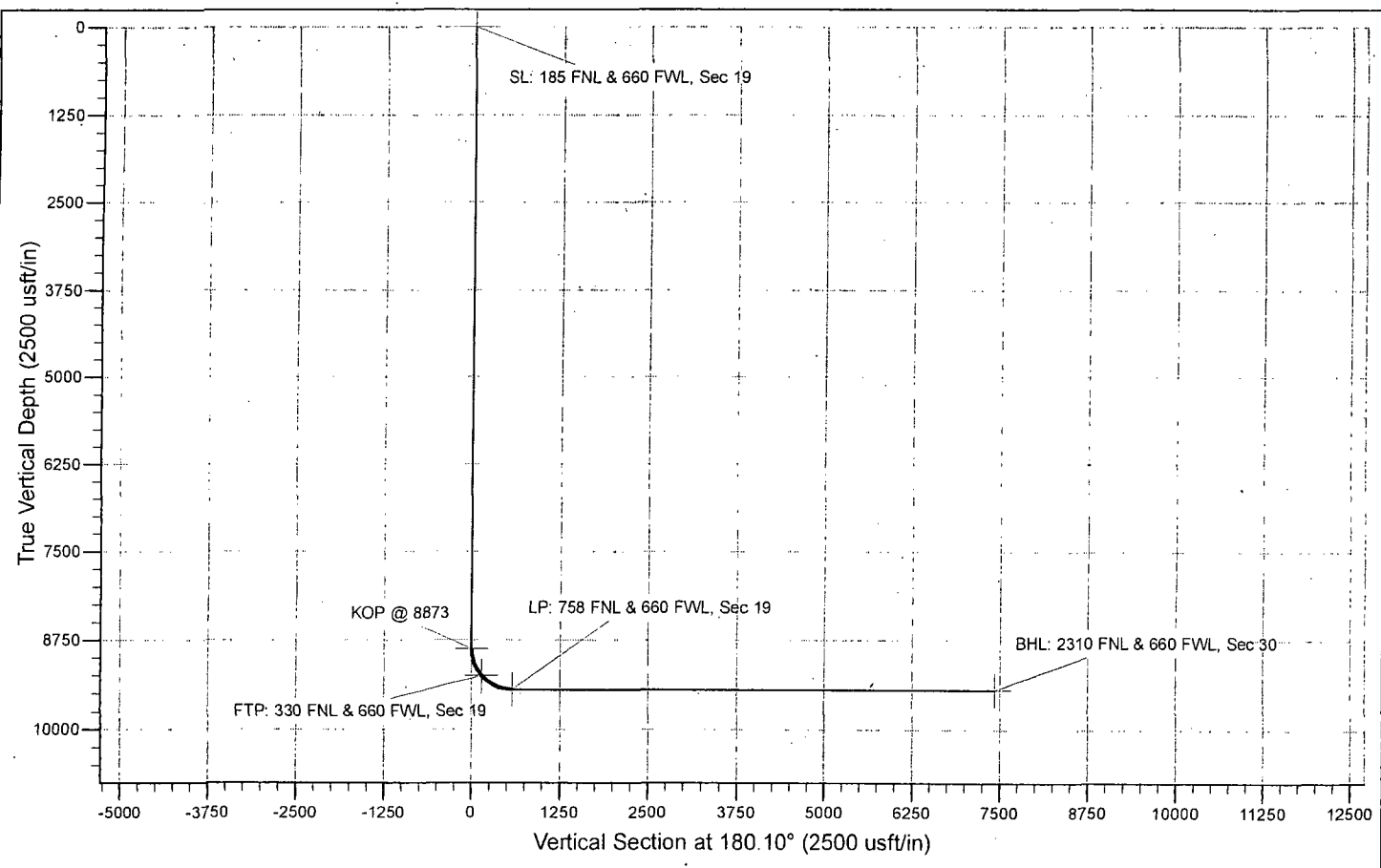
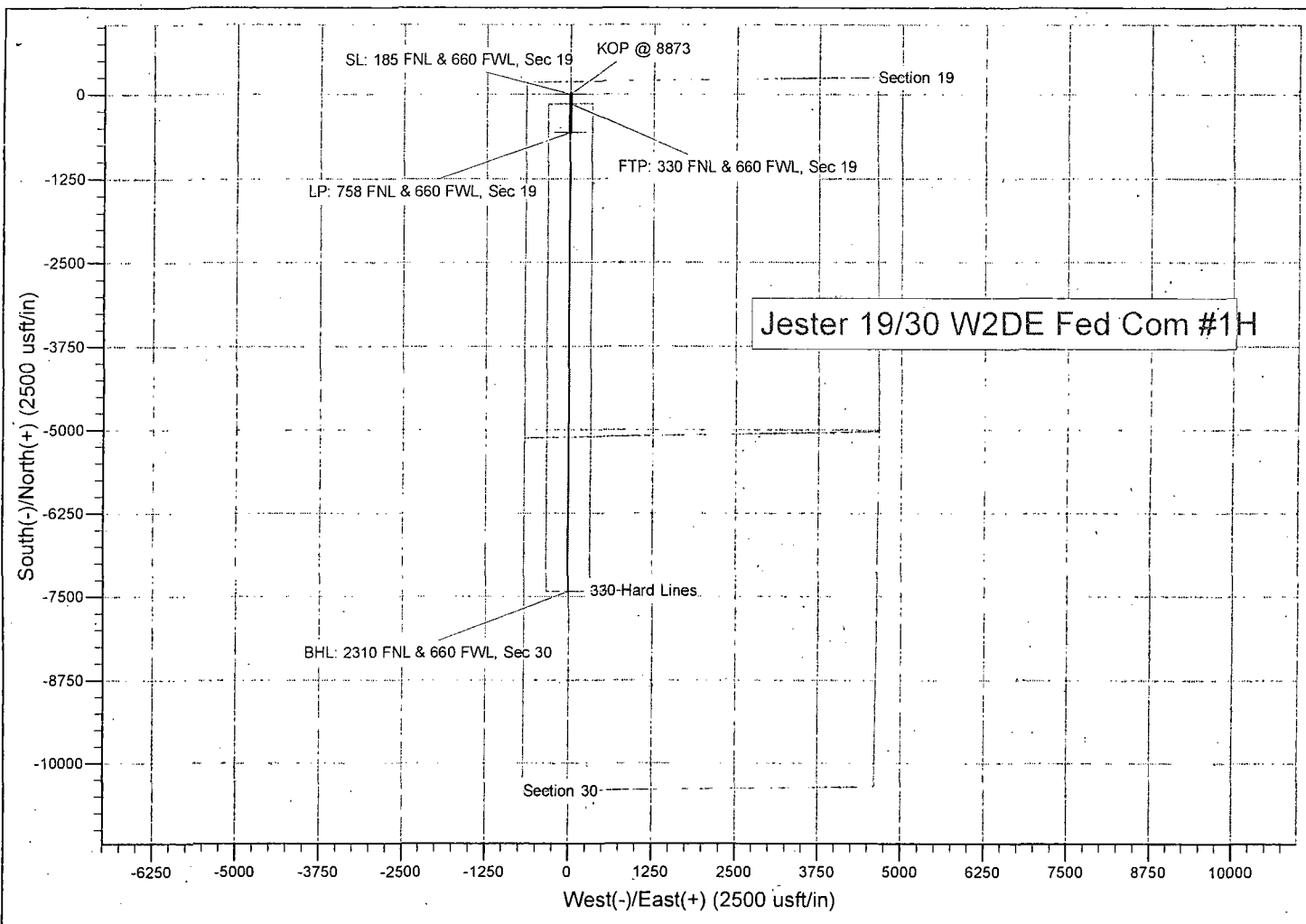
Samples: 10' samples from surface casing to TD
Logging: GR, CNL & Gyro from KOP-100' (8773') to surface and GR from 8773 to 16623'.

8. Downhole Conditions

Zones of abnormal pressure: None anticipated
Zones of lost circulation: Anticipated in surface and intermediate holes
Maximum bottom hole temperature: 145 degree F
Maximum bottom hole pressure: 8.3 lbs/gal gradient or less (9463' x .43668 = 4132.30 psi per foot.)

9. Anticipated Starting Date:

Mewbourne Oil Company intends to drill this well as soon as possible after receiving approval with approximately 45 days involved in drilling operations and an additional 10 days involved in completion operations on the project.



Mewbourne Oil Company

Eddy County, New Mexico

Jester 19/30 W2DE Fed Com #1H

Sec 19, T23S, R27E

SL: 185' FNL & 660' FWL, Sec 19

BHL: 2310' FNL & 660' FWL, Sec 30

Plan: Design #1

Standard Planning Report

05 March, 2015

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Jester 19/30 W2DE Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3221.0usft (Original Well Elev)
Project:	Eddy County, New Mexico	MD Reference:	WELL @ 3221.0usft (Original Well Elev)
Site:	Jester 19/30 W2DE Fed Com #1H	North Reference:	Grid
Well:	Sec 19, T23S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2310' FNL & 660' FWL, Sec 30		
Design:	Design #1		

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						Jester 19/30 W2DE Fed Com #1H					
Site Position:		Northing:		471,707.20 usft		Latitude:		32° 17' 48.485 N			
From:		Map		Easting:		530,330.80 usft		Longitude:		104° 14' 6.622 W	
Position Uncertainty:		0.0 usft		Slot Radius:		13-3/16 "		Grid Convergence:		0.05 °	

Well:	Sec 19, T23S, R27E					
Well Position	+N/-S	0.0 usft	Northing:	471,707.20 usft	Latitude:	32° 17' 48.485 N
	+E/-W	0.0 usft	Easting:	530,330.80 usft	Longitude:	104° 14' 6.622 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,221.0 usft	Ground Level:	3,201.0 usft

Wellbore:	BHL: 2310' FNL & 660' FWL, Sec 30				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	8.06	60.19	48,763

Design:	Design #1				
Audit Notes:					
Version:	Phase:	PROTOTYPE		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.0	0.0	0.0	180.10	

Plan Sections										
Measured										
Depth	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)	(°)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
8,873.0	0.00	0.00	8,873.0	0.0	0.0	0.00	0.00	0.00	0.00	
9,773.1	90.00	180.10	9,446.0	-573.0	-1.0	10.00	10.00	0.00	-179.90	
16,623.4	90.00	180.10	9,446.0	-7,423.3	-12.5	0.00	0.00	0.00	0.00	BHL: 2310 FNL & 66C

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Jester 19/30 W2DE Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3221.0usft (Original Well Elev)
Project:	Eddy County, New Mexico	MD Reference:	WELL @ 3221.0usft (Original Well Elev)
Site:	Jester 19/30 W2DE Fed Com #1H	North Reference:	Grid:
Well:	Sec 19, T23S, R27E	Survey/Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2310' FNL & 660' FWL, Sec 30		
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 & 660 FWL, Sec 19									
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
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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 Jester 19/30 W2DE Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3221.0usft (Original Well Elev)
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Well:	Sec 19, T23S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2310' FNL & 660' FWL, Sec 30		
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	
8,873.0	0.00	0.00	8,873.0	0.0	0.0	0.0	0.00	0.00	0.00	
KOP @ 8873										
8,900.0	2.70	180.10	8,900.0	-0.6	0.0	0.6	10.00	10.00	0.00	
9,000.0	12.70	180.10	8,999.0	-14.0	0.0	14.0	10.00	10.00	0.00	
9,100.0	22.70	180.10	9,094.1	-44.4	-0.1	44.4	10.00	10.00	0.00	
9,200.0	32.70	180.10	9,182.5	-90.8	-0.2	90.8	10.00	10.00	0.00	
9,289.8	41.68	180.10	9,254.0	-145.0	-0.2	145.0	10.00	10.00	0.00	
FTP: 330 FNL & 660 FWL, Sec 19										
9,300.0	42.70	180.10	9,261.6	-151.9	-0.3	151.9	10.00	10.00	0.00	
9,400.0	52.70	180.10	9,328.8	-225.7	-0.4	225.7	10.00	10.00	0.00	
9,500.0	62.70	180.10	9,382.2	-310.2	-0.5	310.2	10.00	10.00	0.00	
9,600.0	72.69	180.10	9,420.1	-402.6	-0.7	402.6	10.00	10.00	0.00	
9,700.0	82.69	180.10	9,441.3	-500.1	-0.8	500.1	10.00	10.00	0.00	
9,773.1	90.00	180.10	9,446.0	-573.0	-1.0	573.0	10.00	10.00	0.00	
LP: 758 FNL & 660 FWL, Sec 19										
9,800.0	90.00	180.10	9,446.0	-599.9	-1.0	599.9	0.00	0.00	0.00	
9,900.0	90.00	180.10	9,446.0	-699.9	-1.2	699.9	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate/Reference:	Site Jester 19/30 W2DE Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3221.0usft (Original Well Elev)
Project:	Eddy County, New Mexico	MD Reference:	WELL @ 3221.0usft (Original Well Elev)
Site:	Jester 19/30 W2DE Fed Com #1H	North Reference:	Grid
Well:	Sec 19, T23S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2310' FNL & 660' FWL, Sec 30		
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)	
10,000.0	90.00	180.10	9,446.0	-799.9	-1.3	799.9	0.00	0.00	0.00	
10,100.0	90.00	180.10	9,446.0	-899.9	-1.5	899.9	0.00	0.00	0.00	
10,200.0	90.00	180.10	9,446.0	-999.9	-1.7	999.9	0.00	0.00	0.00	
10,300.0	90.00	180.10	9,446.0	-1,099.9	-1.8	1,099.9	0.00	0.00	0.00	
10,400.0	90.00	180.10	9,446.0	-1,199.9	-2.0	1,199.9	0.00	0.00	0.00	
10,500.0	90.00	180.10	9,446.0	-1,299.9	-2.2	1,299.9	0.00	0.00	0.00	
10,600.0	90.00	180.10	9,446.0	-1,399.9	-2.4	1,399.9	0.00	0.00	0.00	
10,700.0	90.00	180.10	9,446.0	-1,499.9	-2.5	1,499.9	0.00	0.00	0.00	
10,800.0	90.00	180.10	9,446.0	-1,599.9	-2.7	1,599.9	0.00	0.00	0.00	
10,900.0	90.00	180.10	9,446.0	-1,699.9	-2.9	1,699.9	0.00	0.00	0.00	
11,000.0	90.00	180.10	9,446.0	-1,799.9	-3.0	1,799.9	0.00	0.00	0.00	
11,100.0	90.00	180.10	9,446.0	-1,899.9	-3.2	1,899.9	0.00	0.00	0.00	
11,200.0	90.00	180.10	9,446.0	-1,999.9	-3.4	1,999.9	0.00	0.00	0.00	
11,300.0	90.00	180.10	9,446.0	-2,099.9	-3.5	2,099.9	0.00	0.00	0.00	
11,400.0	90.00	180.10	9,446.0	-2,199.9	-3.7	2,199.9	0.00	0.00	0.00	
11,500.0	90.00	180.10	9,446.0	-2,299.9	-3.9	2,299.9	0.00	0.00	0.00	
11,600.0	90.00	180.10	9,446.0	-2,399.9	-4.0	2,399.9	0.00	0.00	0.00	
11,700.0	90.00	180.10	9,446.0	-2,499.9	-4.2	2,499.9	0.00	0.00	0.00	
11,800.0	90.00	180.10	9,446.0	-2,599.9	-4.4	2,599.9	0.00	0.00	0.00	
11,900.0	90.00	180.10	9,446.0	-2,699.9	-4.5	2,699.9	0.00	0.00	0.00	
12,000.0	90.00	180.10	9,446.0	-2,799.9	-4.7	2,799.9	0.00	0.00	0.00	
12,100.0	90.00	180.10	9,446.0	-2,899.9	-4.9	2,899.9	0.00	0.00	0.00	
12,200.0	90.00	180.10	9,446.0	-2,999.9	-5.0	2,999.9	0.00	0.00	0.00	
12,300.0	90.00	180.10	9,446.0	-3,099.9	-5.2	3,099.9	0.00	0.00	0.00	
12,400.0	90.00	180.10	9,446.0	-3,199.9	-5.4	3,199.9	0.00	0.00	0.00	
12,500.0	90.00	180.10	9,446.0	-3,299.9	-5.5	3,299.9	0.00	0.00	0.00	
12,600.0	90.00	180.10	9,446.0	-3,399.9	-5.7	3,399.9	0.00	0.00	0.00	
12,700.0	90.00	180.10	9,446.0	-3,499.9	-5.9	3,499.9	0.00	0.00	0.00	
12,800.0	90.00	180.10	9,446.0	-3,599.9	-6.0	3,599.9	0.00	0.00	0.00	
12,900.0	90.00	180.10	9,446.0	-3,699.9	-6.2	3,699.9	0.00	0.00	0.00	
13,000.0	90.00	180.10	9,446.0	-3,799.9	-6.4	3,799.9	0.00	0.00	0.00	
13,100.0	90.00	180.10	9,446.0	-3,899.9	-6.6	3,899.9	0.00	0.00	0.00	
13,200.0	90.00	180.10	9,446.0	-3,999.9	-6.7	3,999.9	0.00	0.00	0.00	
13,300.0	90.00	180.10	9,446.0	-4,099.9	-6.9	4,099.9	0.00	0.00	0.00	
13,400.0	90.00	180.10	9,446.0	-4,199.9	-7.1	4,199.9	0.00	0.00	0.00	
13,500.0	90.00	180.10	9,446.0	-4,299.9	-7.2	4,299.9	0.00	0.00	0.00	
13,600.0	90.00	180.10	9,446.0	-4,399.9	-7.4	4,399.9	0.00	0.00	0.00	
13,700.0	90.00	180.10	9,446.0	-4,499.9	-7.6	4,499.9	0.00	0.00	0.00	
13,800.0	90.00	180.10	9,446.0	-4,599.9	-7.7	4,599.9	0.00	0.00	0.00	
13,900.0	90.00	180.10	9,446.0	-4,699.9	-7.9	4,699.9	0.00	0.00	0.00	
14,000.0	90.00	180.10	9,446.0	-4,799.9	-8.1	4,799.9	0.00	0.00	0.00	
14,100.0	90.00	180.10	9,446.0	-4,899.9	-8.2	4,899.9	0.00	0.00	0.00	
14,200.0	90.00	180.10	9,446.0	-4,999.9	-8.4	4,999.9	0.00	0.00	0.00	
14,300.0	90.00	180.10	9,446.0	-5,099.9	-8.6	5,099.9	0.00	0.00	0.00	
14,400.0	90.00	180.10	9,446.0	-5,199.9	-8.7	5,199.9	0.00	0.00	0.00	
14,500.0	90.00	180.10	9,446.0	-5,299.9	-8.9	5,299.9	0.00	0.00	0.00	
14,600.0	90.00	180.10	9,446.0	-5,399.9	-9.1	5,399.9	0.00	0.00	0.00	
14,700.0	90.00	180.10	9,446.0	-5,499.9	-9.2	5,499.9	0.00	0.00	0.00	
14,800.0	90.00	180.10	9,446.0	-5,599.9	-9.4	5,599.9	0.00	0.00	0.00	
14,900.0	90.00	180.10	9,446.0	-5,699.9	-9.6	5,699.9	0.00	0.00	0.00	
15,000.0	90.00	180.10	9,446.0	-5,799.9	-9.7	5,799.9	0.00	0.00	0.00	
15,100.0	90.00	180.10	9,446.0	-5,899.9	-9.9	5,899.9	0.00	0.00	0.00	
15,200.0	90.00	180.10	9,446.0	-5,999.9	-10.1	5,999.9	0.00	0.00	0.00	
15,300.0	90.00	180.10	9,446.0	-6,099.9	-10.2	6,099.9	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference	Site Jester 19/30 W2DE Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3221.0usft (Original Well Elev)
Project:	Eddy County, New Mexico	MD Reference:	WELL @ 3221.0usft (Original Well Elev)
Site:	Jester 19/30 W2DE Fed Com #1H	North Reference:	Grid
Well:	Sec 19, T23S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2310' FNL & 660' FWL, Sec 30		
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)	
15,400.0	90.00	180.10	9,446.0	-6,199.9	-10.4	6,199.9	0.00	0.00	0.00	
15,500.0	90.00	180.10	9,446.0	-6,299.9	-10.6	6,299.9	0.00	0.00	0.00	
15,600.0	90.00	180.10	9,446.0	-6,399.9	-10.8	6,399.9	0.00	0.00	0.00	
15,700.0	90.00	180.10	9,446.0	-6,499.9	-10.9	6,499.9	0.00	0.00	0.00	
15,800.0	90.00	180.10	9,446.0	-6,599.9	-11.1	6,599.9	0.00	0.00	0.00	
15,900.0	90.00	180.10	9,446.0	-6,699.9	-11.3	6,699.9	0.00	0.00	0.00	
16,000.0	90.00	180.10	9,446.0	-6,799.9	-11.4	6,799.9	0.00	0.00	0.00	
16,100.0	90.00	180.10	9,446.0	-6,899.9	-11.6	6,899.9	0.00	0.00	0.00	
16,200.0	90.00	180.10	9,446.0	-6,999.9	-11.8	6,999.9	0.00	0.00	0.00	
16,300.0	90.00	180.10	9,446.0	-7,099.9	-11.9	7,099.9	0.00	0.00	0.00	
16,400.0	90.00	180.10	9,446.0	-7,199.9	-12.1	7,199.9	0.00	0.00	0.00	
16,500.0	90.00	180.10	9,446.0	-7,299.9	-12.3	7,299.9	0.00	0.00	0.00	
16,600.0	90.00	180.10	9,446.0	-7,399.9	-12.4	7,399.9	0.00	0.00	0.00	
16,623.4	90.00	180.10	9,446.0	-7,423.3	-12.5	7,423.4	0.00	0.00	0.00	
BHL: 2310 FNL & 660 FWL, Sec 30										

Design Targets										
Target Name	hit/miss: target	Dip Angle (°)	Dip Dir (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SL: 185 FNL & 660 FWL	- plan hits target center	0.00	0.00	0.0	0.0	0.0	471,707.20	530,330.80	32° 17' 48.485 N	104° 14' 6.622 W
- Point										
KOP @ 8873	- plan hits target center	0.00	0.00	8,873.0	0.0	0.0	471,707.20	530,330.80	32° 17' 48.485 N	104° 14' 6.622 W
- Point										
FTP: 330 FNL & 660 FW	- plan hits target center	0.00	0.00	9,254.0	-145.0	-0.2	471,562.20	530,330.60	32° 17' 47.050 N	104° 14' 6.626 W
- Point										
LP: 758 FNL & 660 FWL	- plan hits target center	0.00	0.00	9,446.0	-573.0	-1.0	471,134.20	530,329.80	32° 17' 42.815 N	104° 14' 6.640 W
- Point										
BHL: 2310 FNL & 660 F	- plan hits target center	0.00	0.00	9,446.0	-7,423.3	-12.5	464,283.85	530,318.33	32° 16' 35.022 N	104° 14' 6.847 W
- Point										