

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

HOBBS OCD

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.

JAN 21 2014

5. Lease Serial No.
NMNM103610

6. If Indian, Allottee, or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
FALCON 25 FED 2H

2. Name of Operator

EOG RESOURCES INCORPORATED

Contact: STAN WAGNER

E-Mail: stan_wagner@eogresources.com

9. API Well No.
30-025-41418-00-X1

3a. Address

MIDLAND, TX 79702

3b. Phone No. (include area code)
Ph: 432-686-368910. Field and Pool, or Exploratory
RED HILLS

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 25 T24S R33E SWSW 250FSL 1050FWL
32.181890 N Lat, 103.530713 W Lon

11. County or Parish, and State

LEA 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	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 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.)

EOG Resources intends to change the TVD and TMD from the original APD as follows:

New Proposed TVD is 9769'. New Proposed TMD is 14559'.

Amended drill plan and directional plan are attached.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #231519 verified by the BLM Well Information System
For EOG RESOURCES INCORPORATED, sent to the Hobbs
Committed to AFMSS for processing by JOHNNY DICKERSON on 01/10/2014 (14JLD1086SE)

Name (Printed/Typed) STAN WAGNER

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 01/09/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CHRISTOPHER WALLS

Title PETROLEUM ENGINEER

Date 01/17/2014

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 Hobbs

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 **

JAN 22 2014

EOG RESOURCES, INC.
FALCON 25 FED NO. 2H
REVISED 1/8/14

1. GEOLOGIC NAME OF SURFACE FORMATION:

Permian

HOBBS OCD

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

JAN 21 2014

Rustler	1,200'
Top of Salt	1,347'
Base of Salt	5,044'
Lamar	5,300'
Bell Canyon	5,331'
Cherry Canyon	6,323'
Brushy Canyon	7,735'
Bone Spring Lime	9,217'
TD	9,769'

RECEIVED

3. ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Upper Permian Sands	0- 400'	Fresh Water
Cherry Canyon	6,323'	Oil
Brushy Canyon	7,735'	Oil
Bone Spring Lime	9,217'	Oil

No other Formations are expected to give up oil, gas or fresh water in measurable quantities.
 Surface fresh water sands will be protected by setting 13.375" casing at 1,315' and circulating cement back to surface.

4. CASING PROGRAM - NEW

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 -1,315'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0-4,000'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	4,000'-5,200'	9.625"	40#	HCK55	LTC	1.125	1.25	1.60
8.75"	0'-14,559'	5.500"	17#	P110 or HCP110	LTC	1.125	1.25	1.60

EOG RESOURCES, INC.
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Cementing Program:

Depth	No. Sacks	Wt. lb/gal	Yld Ft ³ /ft	Slurry Description
1,315'	600	13.5	1.73	Lead: Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ surface)
	300	14.8	1.34	Tail: Class C + 0.005 pps Static Free + 1% CaCl ₂ + 0.25 pps CelloFlake + 0.005 gps FP-6L
5,200'	1100	12.7	2.22	Lead: Class 'C' + 1.50% R-3 + 0.25 lb/sk Cello-Flake + 2.0% Sodium Metasilicate + 10% Salt + 0.005 lb/sk Static Free (TOC @ surface)
	200	14.8	1.32	Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
14,559'	375	10.8	3.68	Lead: 60:40:0 Class 'C' + 15.00 lb/sk BA-90 + 4.00% MPA-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 (TOC @ 4700')
	400	11.8	2.38	Middle: 50:50:10 Class 'H' + 0.80% FL-52 + 0.45% ASA-301 + 0.40% SMS + 2.00% Salt + 3.00 lb/sx LCM-1 + 0.20% R-21 + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
	1400	14.2	1.28	Tail: 50:50:2 Class 'H' + 0.65% FL-52 + 0.20% CD-32 + 0.15% SMS + 2.00% Salt + 0.10% R-3 + 0.005 lb/sk Static Free

Note: Cement volumes based on bit size plus at least 25% excess in the open hole plus 10% excess in the cased-hole overlap section.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- Variance is requested to use a co-flex line between the BOP and choke manifold (instead of using a 4" OD steel line).

The minimum blowout preventer equipment (BOPE) shown in Exhibit #1 will consist of a double ram-type (10,000 psi WP) preventer and an annular preventer (5000-psi WP). Both units will be hydraulically operated and the ram-type will be equipped with blind rams on bottom and drill pipe rams on top. All BOPE will be tested in accordance with Onshore Oil & Gas order No. 2.

3000 psi BOPE is adequate for this application. Due to the 3000 psi BOPE requirement no FIT tests are planned.

Before drilling out of the surface casing, the ram-type BOP and accessory equipment will be tested to 2000/ 250 psig and the annular preventer to 2000/ 250 psig. The surface casing will be tested to 1500 psi for 30 minutes.

EOG RESOURCES, INC.
FALCON 25 FED NO. 2H
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Before drilling out of the intermediate casing, the ram-type BOP and accessory equipment will be tested to 3000/ 250 psig and the annular preventer to 3000/ 250 psig. The intermediate casing will be tested to 2000 psi for 30 minutes.

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.

A hydraulically operated choke will be installed prior to drilling out of the intermediate casing shoe.

6. TYPES AND CHARACTERISTICS OF THE PROPOSED MUD SYSTEM:

The applicable depths and properties of the drilling fluid systems are as follows. Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,315'	Fresh Water Gel	8.6-8.8	28-34	N/c
1,230' – 5,200'	Saturated Brine	10.0-10.2	28-34	N/c
5,200' – 9,293'	Cut Brine Water	8.5-9.3	28-34	N/c
9,293' – 14,559'	Cut Brine Water	9.0-9.5	28-34	N/c
Lateral				

An electronic pit volume totalizer (PVT) will be utilized on the circulating system, to monitor pit volume, flow rate, pump pressure and stroke rate.

7. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT:

- (A) A kelly cock will be kept in the drill string at all times.
- (B) A full opening drill pipe-stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.
- (C) H₂S monitoring and detection equipment will be utilized from surface casing point to TD.

8. LOGGING, TESTING AND CORING PROGRAM:

Open-hole logs are not planned for this well.

GR-CCL Will be run in cased hole during completions phase of operations, from kick off point to intermediate casing point.

**EOG RESOURCES, INC.
FALCON 25 FED NO. 2H
REVISED 1/8/14**

**9. ABNORMAL CONDITIONS, PRESSURES, TEMPERATURES AND
POTENTIAL HAZARDS:**

The estimated bottom-hole temperature (BHT) at TD is 157 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 4230 psig. No hydrogen sulfide or other hazardous gases or fluids have been encountered, reported or are known to exist at this depth in this area. No major loss circulation zones have been reported in offsetting wells.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

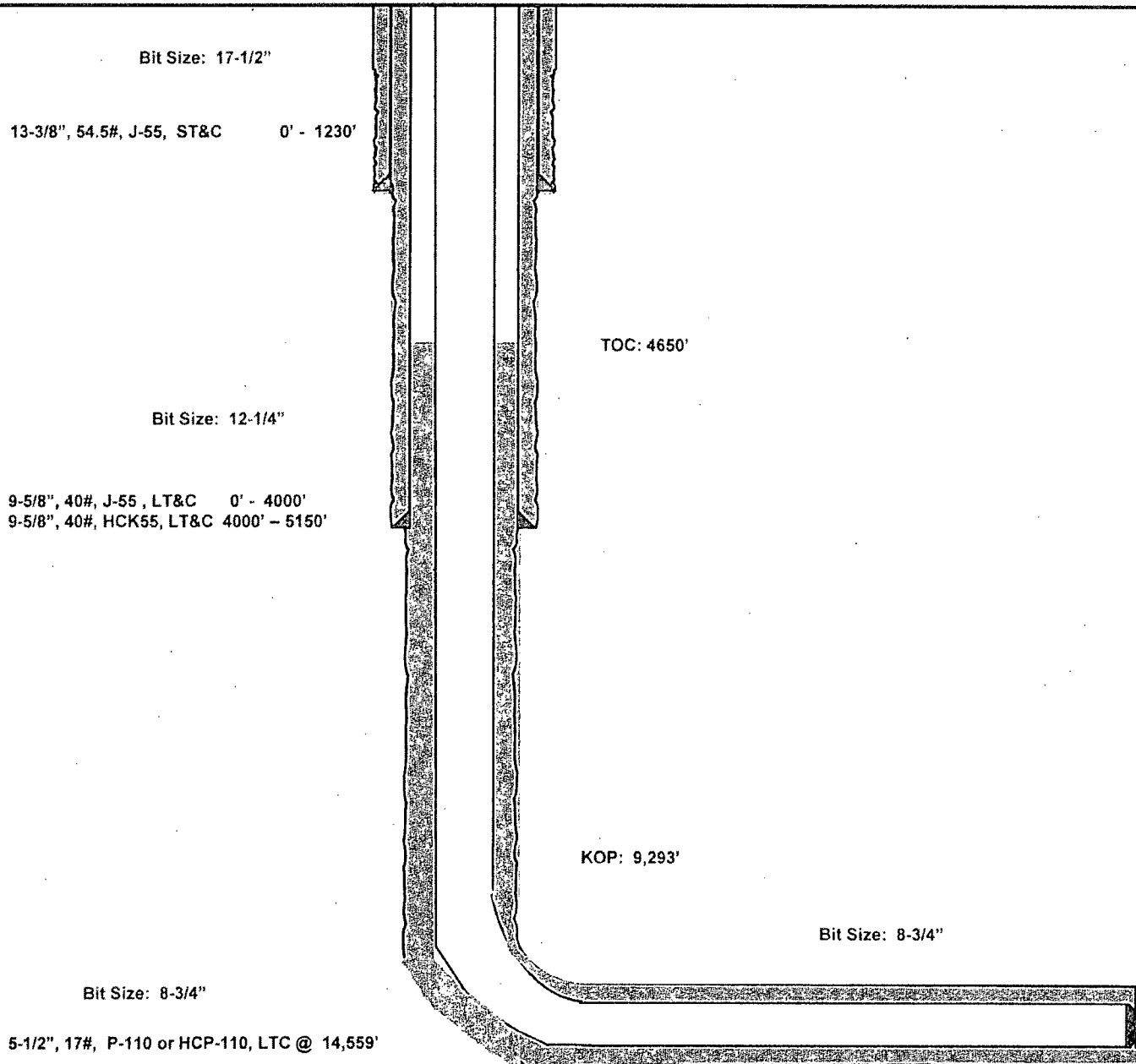
The drilling operation should be finished in approximately one month. If the well is productive, an additional 60-90 days will be required for completion and testing before a decision is made to install permanent facilities.

Falcon 25 Fed #2H
Red Hills
Lea County, New Mexico
Revised 1/8/14
Proposed Wellbore

250' FSL
1050' FWL
Section 25
T-24-S, R-33-E

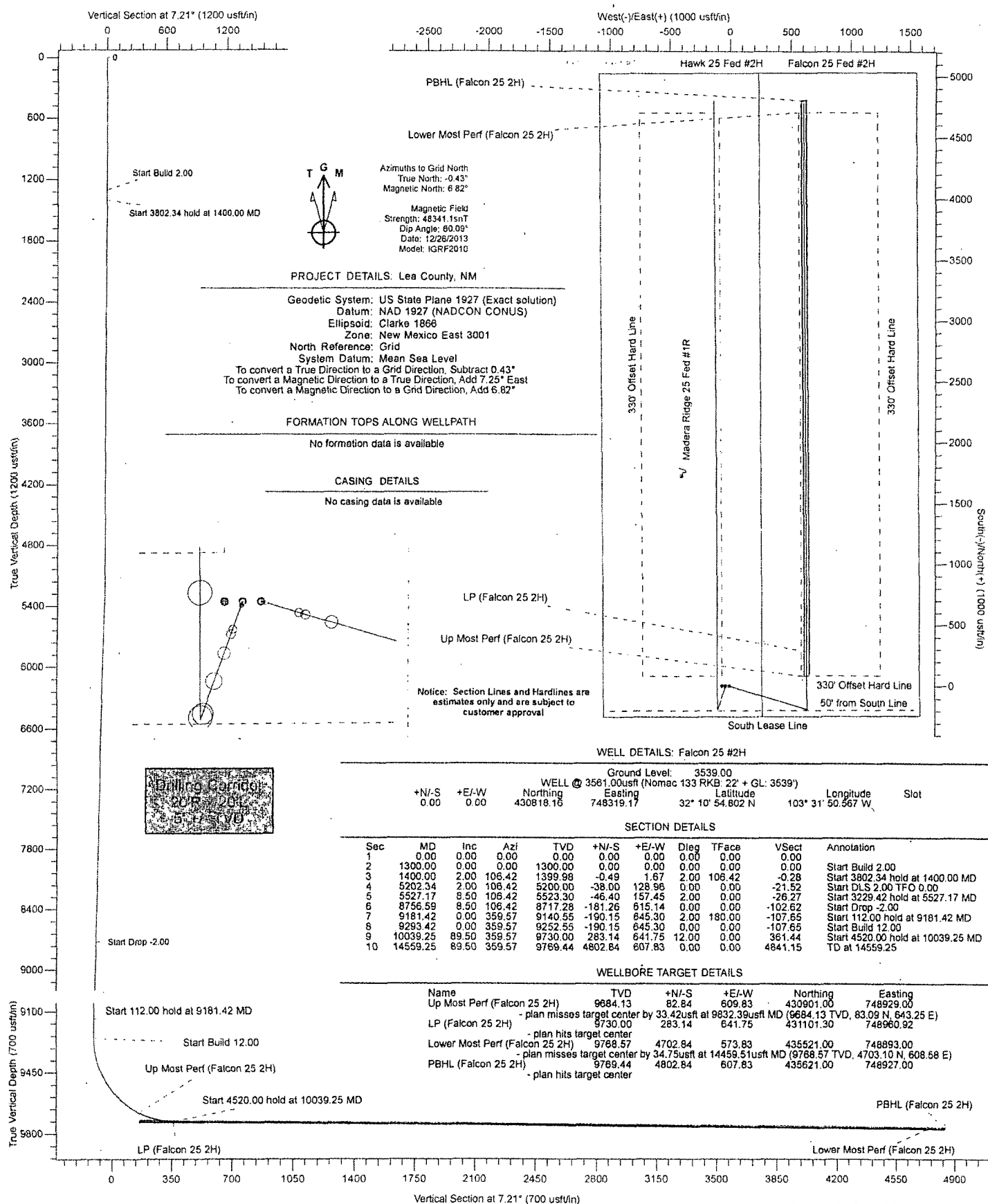
API: 30-025- 41418

KB: 3,569'
GL: 3,539'



Lateral: 14,559' MD, 9,769' TVD

BH Location: 230' FNL & 1660' FWL
Section 25
T-24-S, R-33-E



Database: EDM 5000.1 Single User Db
Company: EOG Resources
Project: Lea County, NM
Site: Falcon 25 Fed #2H
Well: Falcon 25 #2H
Wellbore: Original Hole
Design: Design #2

Local Co-ordinate Reference: Well Falcon 25 #2H
TVD Reference: WELL @ 3561.00usft (Nomac 133 RKB: 22' + GL: 3539')
MD Reference: WELL @ 3561.00usft (Nomac 133 RKB: 22' + GL: 3539')
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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

Site: Falcon 25 Fed #2H
Site Position: Northing: 430,818.16 usft Latitude: 32° 10' 54.802 N
From: Lat/Long Easting: 748,319.17 usft Longitude: 103° 31' 50.567 W
Position Uncertainty: 0.00 usft Slot Radius: 13.20 in Grid Convergence: 0.43 °

Well: Falcon 25 #2H
Well Position: +N/-S 0.00 usft Northing: 430,818.16 usft Latitude: 32° 10' 54.802 N
+E/-W 0.00 usft Easting: 748,319.17 usft Longitude: 103° 31' 50.567 W
Position Uncertainty: 0.00 usft Wellhead Elevation: Ground Level: 3,539.00 usft

Wellbore: Original Hole
Magnetics: Model Name Sample Date Declination Dip Angle Field Strength
IGRF2010 12/26/2013 (°) (°) (nT)
7.25 60.09 48,341

Design: Design #2
Audit Notes:
Version: Phase: PLAN Tie On Depth: 0.00
Vertical Section: Depth From (TVD) +N/-S +E/-W Direction
(usft) (usft) (usft) (°)
0.00 0.00 0.00 7.21

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,400.00	2.00	106.42	1,399.98	-0.49	1.67	2.00	2.00	0.00	106.42	
5,202.34	2.00	106.42	5,200.00	-38.00	128.96	0.00	0.00	0.00	0.00	
5,527.17	8.50	106.42	5,523.30	-46.40	157.45	2.00	2.00	0.00	0.00	
8,756.59	8.50	106.42	8,717.28	-181.26	615.14	0.00	0.00	0.00	0.00	
9,181.42	0.00	359.57	9,140.55	-190.15	645.30	2.00	-2.00	0.00	180.00	
9,293.42	0.00	359.57	9,252.55	-190.15	645.30	0.00	0.00	0.00	0.00	
10,039.25	89.50	359.57	9,730.00	283.14	641.75	12.00	12.00	0.00	0.00	
14,559.25	89.50	359.57	9,769.44	4,802.84	607.83	0.00	0.00	0.00	0.00	PBHL (Falcon 25 2H)

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 Well: Falcon 25 #2H
 Wellbore: Original Hole
 Design: Design #2

Local Co-ordinate Reference: Well Falcon 25 #2H
 TVD Reference: WELL @ 3561.00usft (Nomac 133 RKB: 22' + GL: 3539')
 MD Reference: WELL @ 3561.00usft (Nomac 133 RKB: 22' + GL: 3539')
 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 (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
1,400.00	2.00	106.42	1,399.98	-0.49	1.67	-0.28	2.00	2.00	0.00
Start 3802.34 hold at 1400.00 MD									
1,500.00	2.00	106.42	1,499.92	-1.48	5.02	-0.84	0.00	0.00	0.00
1,600.00	2.00	106.42	1,599.86	-2.47	8.37	-1.40	0.00	0.00	0.00
1,700.00	2.00	106.42	1,699.80	-3.45	11.72	-1.96	0.00	0.00	0.00
1,800.00	2.00	106.42	1,799.74	-4.44	15.06	-2.51	0.00	0.00	0.00
1,900.00	2.00	106.42	1,899.68	-5.43	18.41	-3.07	0.00	0.00	0.00
2,000.00	2.00	106.42	1,999.61	-6.41	21.76	-3.63	0.00	0.00	0.00
2,100.00	2.00	106.42	2,099.55	-7.40	25.11	-4.19	0.00	0.00	0.00
2,200.00	2.00	106.42	2,199.49	-8.39	28.45	-4.75	0.00	0.00	0.00
2,300.00	2.00	106.42	2,299.43	-9.37	31.80	-5.31	0.00	0.00	0.00
2,400.00	2.00	106.42	2,399.37	-10.36	35.15	-5.87	0.00	0.00	0.00
2,500.00	2.00	106.42	2,499.31	-11.35	38.50	-6.42	0.00	0.00	0.00
2,600.00	2.00	106.42	2,599.25	-12.33	41.85	-6.98	0.00	0.00	0.00
2,700.00	2.00	106.42	2,699.19	-13.32	45.19	-7.54	0.00	0.00	0.00
2,800.00	2.00	106.42	2,799.13	-14.30	48.54	-8.10	0.00	0.00	0.00
2,900.00	2.00	106.42	2,899.07	-15.29	51.89	-8.66	0.00	0.00	0.00
3,000.00	2.00	106.42	2,999.01	-16.28	55.24	-9.22	0.00	0.00	0.00
3,100.00	2.00	106.42	3,098.94	-17.26	58.58	-9.78	0.00	0.00	0.00
3,200.00	2.00	106.42	3,198.88	-18.25	61.93	-10.33	0.00	0.00	0.00
3,300.00	2.00	106.42	3,298.82	-19.24	65.28	-10.89	0.00	0.00	0.00
3,400.00	2.00	106.42	3,398.76	-20.22	68.63	-11.45	0.00	0.00	0.00
3,500.00	2.00	106.42	3,498.70	-21.21	71.97	-12.01	0.00	0.00	0.00
3,600.00	2.00	106.42	3,598.64	-22.20	75.32	-12.57	0.00	0.00	0.00
3,700.00	2.00	106.42	3,698.58	-23.18	78.67	-13.13	0.00	0.00	0.00
3,800.00	2.00	106.42	3,798.52	-24.17	82.02	-13.69	0.00	0.00	0.00
3,900.00	2.00	106.42	3,898.46	-25.16	85.36	-14.24	0.00	0.00	0.00
4,000.00	2.00	106.42	3,998.40	-26.14	88.71	-14.80	0.00	0.00	0.00
4,100.00	2.00	106.42	4,098.34	-27.13	92.06	-15.36	0.00	0.00	0.00
4,200.00	2.00	106.42	4,198.27	-28.12	95.41	-15.92	0.00	0.00	0.00
4,300.00	2.00	106.42	4,298.21	-29.10	98.75	-16.48	0.00	0.00	0.00
4,400.00	2.00	106.42	4,398.15	-30.09	102.10	-17.04	0.00	0.00	0.00
4,500.00	2.00	106.42	4,498.09	-31.08	105.45	-17.60	0.00	0.00	0.00
4,600.00	2.00	106.42	4,598.03	-32.06	108.80	-18.15	0.00	0.00	0.00
4,700.00	2.00	106.42	4,697.97	-33.05	112.15	-18.71	0.00	0.00	0.00
4,800.00	2.00	106.42	4,797.91	-34.04	115.49	-19.27	0.00	0.00	0.00
4,900.00	2.00	106.42	4,897.85	-35.02	118.84	-19.83	0.00	0.00	0.00

Database: EDM 5000.1 Single User Db
 Company: EOG Resources
 Project: Lea County, NM
 Site: Falcon 25 Fed #2H
 Well: Falcon 25 #2H
 Wellbore: Original Hole
 Design: Design #2

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method

Well Falcon 25 #2H
 WELL @ 3561.00usft (Nomac 133 RKB: 22' + GL: 3539')
 WELL @ 3561.00usft (Nomac 133 RKB: 22' + GL: 3539')
 Grid
 Minimum Curvature

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
5,000.00	2.00	106.42	4,997.79	-36.01	122.19	-20.39	0.00	0.00	0.00	
5,100.00	2.00	106.42	5,097.73	-36.99	125.54	-20.95	0.00	0.00	0.00	
5,200.00	2.00	106.42	5,197.66	-37.98	128.88	-21.51	0.00	0.00	0.00	
5,202.34	2.00	106.42	5,200.00	-38.00	128.96	-21.52	0.00	0.00	0.00	
Start DLS 2.00 TFO 0.00										
5,300.00	3.95	106.42	5,297.53	-39.44	133.83	-22.33	2.00	2.00	0.00	
5,400.00	5.95	106.42	5,397.15	-41.88	142.11	-23.71	2.00	2.00	0.00	
5,500.00	7.95	106.42	5,496.41	-45.30	153.72	-25.65	2.00	2.00	0.00	
5,527.17	8.50	106.42	5,523.30	-46.40	157.45	-26.27	2.00	2.00	0.00	
Start 3229.42 hold at 5527.17 MD										
5,600.00	8.50	106.42	5,595.33	-49.44	167.77	-27.99	0.00	0.00	0.00	
5,700.00	8.50	106.42	5,694.23	-53.62	181.94	-30.36	0.00	0.00	0.00	
5,800.00	8.50	106.42	5,793.13	-57.79	196.12	-32.72	0.00	0.00	0.00	
5,900.00	8.50	106.42	5,892.04	-61.97	210.29	-35.09	0.00	0.00	0.00	
6,000.00	8.50	106.42	5,990.94	-66.14	224.46	-37.45	0.00	0.00	0.00	
6,100.00	8.50	106.42	6,089.84	-70.32	238.63	-39.81	0.00	0.00	0.00	
6,200.00	8.50	106.42	6,188.74	-74.50	252.81	-42.18	0.00	0.00	0.00	
6,300.00	8.50	106.42	6,287.65	-78.67	266.98	-44.54	0.00	0.00	0.00	
6,400.00	8.50	106.42	6,386.55	-82.85	281.15	-46.91	0.00	0.00	0.00	
6,500.00	8.50	106.42	6,485.45	-87.02	295.32	-49.27	0.00	0.00	0.00	
6,600.00	8.50	106.42	6,584.35	-91.20	309.50	-51.63	0.00	0.00	0.00	
6,700.00	8.50	106.42	6,683.26	-95.38	323.67	-54.00	0.00	0.00	0.00	
6,800.00	8.50	106.42	6,782.16	-99.55	337.84	-56.36	0.00	0.00	0.00	
6,900.00	8.50	106.42	6,881.06	-103.73	352.01	-58.73	0.00	0.00	0.00	
7,000.00	8.50	106.42	6,979.96	-107.90	366.19	-61.09	0.00	0.00	0.00	
7,100.00	8.50	106.42	7,078.87	-112.08	380.36	-63.46	0.00	0.00	0.00	
7,200.00	8.50	106.42	7,177.77	-116.26	394.53	-65.82	0.00	0.00	0.00	
7,300.00	8.50	106.42	7,276.67	-120.43	408.71	-68.18	0.00	0.00	0.00	
7,400.00	8.50	106.42	7,375.57	-124.61	422.88	-70.55	0.00	0.00	0.00	
7,500.00	8.50	106.42	7,474.48	-128.78	437.05	-72.91	0.00	0.00	0.00	
7,600.00	8.50	106.42	7,573.38	-132.96	451.22	-75.28	0.00	0.00	0.00	
7,700.00	8.50	106.42	7,672.28	-137.14	465.40	-77.64	0.00	0.00	0.00	
7,800.00	8.50	106.42	7,771.18	-141.31	479.57	-80.01	0.00	0.00	0.00	
7,900.00	8.50	106.42	7,870.09	-145.49	493.74	-82.37	0.00	0.00	0.00	
8,000.00	8.50	106.42	7,968.99	-149.66	507.91	-84.73	0.00	0.00	0.00	
8,100.00	8.50	106.42	8,067.89	-153.84	522.09	-87.10	0.00	0.00	0.00	
8,200.00	8.50	106.42	8,166.79	-158.02	536.26	-89.46	0.00	0.00	0.00	
8,300.00	8.50	106.42	8,265.70	-162.19	550.43	-91.83	0.00	0.00	0.00	
8,400.00	8.50	106.42	8,364.60	-166.37	564.61	-94.19	0.00	0.00	0.00	
8,500.00	8.50	106.42	8,463.50	-170.54	578.78	-96.56	0.00	0.00	0.00	
8,600.00	8.50	106.42	8,562.40	-174.72	592.95	-98.92	0.00	0.00	0.00	
8,700.00	8.50	106.42	8,661.31	-178.90	607.12	-101.28	0.00	0.00	0.00	
8,756.59	8.50	106.42	8,717.28	-181.26	615.14	-102.62	0.00	0.00	0.00	
Start Drop -2.00										
8,800.00	7.63	106.42	8,760.25	-182.98	620.98	-103.60	2.00	-2.00	0.00	
8,900.00	5.63	106.42	8,859.58	-186.24	632.06	-105.44	2.00	-2.00	0.00	
9,000.00	3.63	106.42	8,959.25	-188.52	639.80	-106.73	2.00	-2.00	0.00	
9,100.00	1.63	106.42	9,059.14	-189.82	644.19	-107.47	2.00	-2.00	0.00	
9,181.42	0.00	359.57	9,140.55	-190.15	645.30	-107.65	2.00	-2.00	0.00	
Start 112.00 hold at 9181.42 MD										
9,200.00	0.00	359.57	9,159.13	-190.15	645.30	-107.65	0.00	0.00	0.00	
9,293.42	0.00	359.57	9,252.55	-190.15	645.30	-107.65	0.00	0.00	0.00	

Database: EDM 5000.1 Single User Db
Company: EOG Resources
Project: Lea County, NM
Site: Falcon 25 Fed #2H
Well: Falcon 25 #2H
Wellbore: Original Hole
Design: Design #2

Local Co-ordinate Reference: Well Falcon 25 #2H
TVD Reference: WELL @ 3561.00usft (Nomac 133 RKB: 22' + GL: 3539')
MD Reference: WELL @ 3561.00usft (Nomac 133 RKB: 22' + GL: 3539')
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 (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
Start Build 12.00									
9,300.00	0.79	359.57	9,259.13	-190.10	645.30	-107.61	12.00	12.00	0.00
9,400.00	12.79	359.57	9,358.25	-178.30	645.21	-95.91	12.00	12.00	0.00
9,500.00	24.79	359.57	9,452.74	-146.15	644.97	-64.05	12.00	12.00	0.00
9,600.00	36.79	359.57	9,538.49	-95.06	644.59	-13.41	12.00	12.00	0.00
9,700.00	48.79	359.57	9,611.74	-27.25	644.08	53.80	12.00	12.00	0.00
9,800.00	60.79	359.57	9,669.30	54.30	643.47	134.63	12.00	12.00	0.00
9,832.37	64.67	359.57	9,684.12	83.06	643.25	163.14	12.00	12.00	0.00
Up Most Perf (Falcon 26 2H)									
9,800.00	72.79	359.57	9,708.64	146.03	642.78	225.55	12.00	12.00	0.00
10,000.00	84.79	359.57	9,728.04	243.94	642.05	322.60	12.00	12.00	0.00
10,039.26	89.50	359.57	9,730.00	283.14	641.75	361.45	12.00	12.00	0.00
Start 4520.00 hold at 10039.26 MD - LP (Falcon 26 2H)									
10,100.00	89.50	359.57	9,730.53	343.88	641.30	421.65	0.00	0.00	0.00
10,200.00	89.50	359.57	9,731.40	443.87	640.55	520.76	0.00	0.00	0.00
10,300.00	89.50	359.57	9,732.27	543.87	639.80	619.86	0.00	0.00	0.00
10,400.00	89.50	359.57	9,733.14	643.86	639.04	718.97	0.00	0.00	0.00
10,500.00	89.50	359.57	9,734.02	743.85	638.29	818.08	0.00	0.00	0.00
10,600.00	89.50	359.57	9,734.89	843.85	637.54	917.19	0.00	0.00	0.00
10,700.00	89.50	359.57	9,735.76	943.84	636.79	1,016.30	0.00	0.00	0.00
10,800.00	89.50	359.57	9,736.63	1,043.83	636.04	1,115.41	0.00	0.00	0.00
10,900.00	89.50	359.57	9,737.51	1,143.83	635.29	1,214.52	0.00	0.00	0.00
11,000.00	89.50	359.57	9,738.38	1,243.82	634.54	1,313.62	0.00	0.00	0.00
11,100.00	89.50	359.57	9,739.25	1,343.81	633.79	1,412.73	0.00	0.00	0.00
11,200.00	89.50	359.57	9,740.13	1,443.81	633.04	1,511.84	0.00	0.00	0.00
11,300.00	89.50	359.57	9,741.00	1,543.80	632.29	1,610.95	0.00	0.00	0.00
11,400.00	89.50	359.57	9,741.87	1,643.79	631.54	1,710.06	0.00	0.00	0.00
11,500.00	89.50	359.57	9,742.74	1,743.79	630.79	1,809.17	0.00	0.00	0.00
11,600.00	89.50	359.57	9,743.62	1,843.78	630.04	1,908.28	0.00	0.00	0.00
11,700.00	89.50	359.57	9,744.49	1,943.77	629.29	2,007.38	0.00	0.00	0.00
11,800.00	89.50	359.57	9,745.36	2,043.77	628.54	2,106.49	0.00	0.00	0.00
11,900.00	89.50	359.57	9,746.23	2,143.76	627.79	2,205.60	0.00	0.00	0.00
12,000.00	89.50	359.57	9,747.11	2,243.75	627.04	2,304.71	0.00	0.00	0.00
12,100.00	89.50	359.57	9,747.98	2,343.75	626.29	2,403.82	0.00	0.00	0.00
12,200.00	89.50	359.57	9,748.85	2,443.74	625.54	2,502.93	0.00	0.00	0.00
12,300.00	89.50	359.57	9,749.72	2,543.73	624.79	2,602.04	0.00	0.00	0.00
12,400.00	89.50	359.57	9,750.60	2,643.73	624.04	2,701.14	0.00	0.00	0.00
12,500.00	89.50	359.57	9,751.47	2,743.72	623.29	2,800.25	0.00	0.00	0.00
12,600.00	89.50	359.57	9,752.34	2,843.71	622.53	2,899.36	0.00	0.00	0.00
12,700.00	89.50	359.57	9,753.22	2,943.71	621.78	2,998.47	0.00	0.00	0.00
12,800.00	89.50	359.57	9,754.09	3,043.70	621.03	3,097.58	0.00	0.00	0.00
12,900.00	89.50	359.57	9,754.96	3,143.69	620.28	3,196.69	0.00	0.00	0.00
13,000.00	89.50	359.57	9,755.83	3,243.69	619.53	3,295.79	0.00	0.00	0.00
13,100.00	89.50	359.57	9,756.71	3,343.68	618.78	3,394.90	0.00	0.00	0.00
13,200.00	89.50	359.57	9,757.58	3,443.67	618.03	3,494.01	0.00	0.00	0.00
13,300.00	89.50	359.57	9,758.45	3,543.67	617.28	3,593.12	0.00	0.00	0.00
13,400.00	89.50	359.57	9,759.32	3,643.66	616.53	3,692.23	0.00	0.00	0.00
13,500.00	89.50	359.57	9,760.20	3,743.65	615.78	3,791.34	0.00	0.00	0.00
13,600.00	89.50	359.57	9,761.07	3,843.65	615.03	3,890.45	0.00	0.00	0.00
13,700.00	89.50	359.57	9,761.94	3,943.64	614.28	3,989.55	0.00	0.00	0.00
13,800.00	89.50	359.57	9,762.81	4,043.63	613.53	4,088.66	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Falcon 25 #2H
Company:	EOG Resources	TVD Reference:	WELL @ 3561.00usft (Nomac 133 RKB: 22' + GL: 3539')
Project:	Lea County, NM	MD Reference:	WELL @ 3561.00usft (Nomac 133 RKB: 22' + GL: 3539')
Site:	Falcon 25 Fed #2H	North Reference:	Grid
Well:	Falcon 25 #2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Design #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
13,900.00	89.50	359.57	9,763.69	4,143.63	612.78	4,187.77	0.00	0.00	0.00
14,000.00	89.50	359.57	9,764.56	4,243.62	612.03	4,286.88	0.00	0.00	0.00
14,100.00	89.50	359.57	9,765.43	4,343.61	611.28	4,385.99	0.00	0.00	0.00
14,200.00	89.50	359.57	9,766.31	4,443.61	610.53	4,485.10	0.00	0.00	0.00
14,300.00	89.50	359.57	9,767.18	4,543.60	609.78	4,584.21	0.00	0.00	0.00
14,400.00	89.50	359.57	9,768.05	4,643.60	609.03	4,683.31	0.00	0.00	0.00
14,459.51	89.50	359.57	9,768.57	4,703.10	608.58	4,742.29	0.00	0.00	0.00
Lower Most Perf (Falcon 25 2H)									
14,500.00	89.50	359.57	9,768.92	4,743.59	608.28	4,782.42	0.00	0.00	0.00
14,559.25	89.50	359.57	9,769.44	4,802.84	607.83	4,841.15	0.00	0.00	0.00
TD at 14559.25 - PBHL (Falcon 25 2H)									

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
Up Most Perf (Falcon 25)	- plan misses target center by 33.42usft at 9832.39usft MD (9684.13 TVD, 83.09 N, 643.25 E)	0.00	0.01	9,684.13	82.84	609.83	430,901.00	748,929.00	32° 10' 55.577 N 103° 31' 43.464 W
LP (Falcon 25 2H)	- plan hits target center	0.00	0.00	9,730.00	283.14	641.75	431,101.30	748,960.92	32° 10' 57.557 N 103° 31' 43.075 W
Lower Most Perf (Falcon)	- plan misses target center by 34.75usft at 14459.51usft MD (9768.57 TVD, 4703.10 N, 608.58 E)	0.00	0.00	9,768.57	4,702.84	573.83	435,521.00	748,893.00	32° 11' 41.297 N 103° 31' 43.481 W
PBHL (Falcon 25 2H)	- plan hits target center	90.50	359.57	9,769.44	4,802.84	607.83	435,621.00	748,927.00	32° 11' 42.284 N 103° 31' 43.077 W
- Rectangle (sides W40.00 H10.00 D4,720.00)									

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment	
1,300.00	1,300.00	0.00	0.00	Start Build 2.00	
1,400.00	1,399.98	-0.49	1.67	Start 3802.34 hold at 1400.00 MD	
5,202.34	5,200.00	-38.00	128.96	Start DLS 2.00 TFO 0.00	
5,527.17	5,523.30	-46.40	157.45	Start 3229.42 hold at 5527.17 MD	
8,756.59	8,717.28	-181.28	615.14	Start Drop -2.00	
9,181.42	9,140.55	-190.15	645.30	Start 112.00 hold at 9181.42 MD	
9,293.42	9,252.55	-190.15	645.30	Start Build 12.00	
10,039.25	9,730.00	283.14	641.75	Start 4520.00 hold at 10039.25 MD	
14,559.25	9,769.44	4,802.84	607.83	TD at 14559.25	