

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.

5. Lease Serial No. NMNM02965A
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.
8. Well Name and No. THOR 21 FED COM 707H
9. API Well No. 30-025-43684-00-X1
10. Field and Pool or Exploratory Area WC025G09S263327G-UP WOLFCAMP
11. County or Parish, State LEA COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator EOG RESOURCES INCORPORATED Contact: STAN WAGNER E-Mail: stan_wagner@eogresources.com	
3a. Address MIDLAND, TX 79702	3b. Phone No. (include area code) Ph: 432-686-3689
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 21 T26S R33E SWSE 370FSL 1639FEL	

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original APD
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recomplate 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 recomplate 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.

EOG Resources requests an amendment to our approved APD for this well to reflect a change in TVD.

Changed TVD from 12415' to 12265'. New directional plan attached.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #372895 verified by the BLM Well Information System For EOG RESOURCES INCORPORATED, sent to the Hobbs Committed to AFMSS for processing by DEBORAH MCKINNEY on 04/18/2017 (17DLM0867SE)	
Name (Printed/Typed) STAN WAGNER	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 04/13/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CHARLES NIMMER	Title PETROLEUM ENGINEER	Date 04/18/2017
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.

(Instructions on page 2)

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



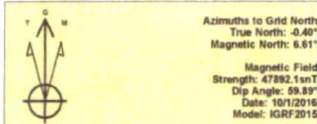
Lea County, NM (NAD 27 NME)

Thor 21 Fed Com #707H

Plan #0.3

PROJECT DETAILS: Lea County, NM (NAD 27 NME)

Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1966
 Zone: New Mexico East 3001
 System Datum: Mean Sea Level



To convert a Magnetic Direction to a Grid Direction, Add 6.61°
 To convert a Magnetic Direction to a True Direction, Add 7.02° East
 To convert a True Direction to a Grid Direction, Subtract 0.40°

WELL DETAILS: #707H

Ground Level: 3252.0
 KB @ 3277.0usR
 Northing: 372781.00 Easting: 735478.00 Latitude: 32° 1' 21.407" N Longitude: 103° 34' 34.734" W

SECTION DETAILS

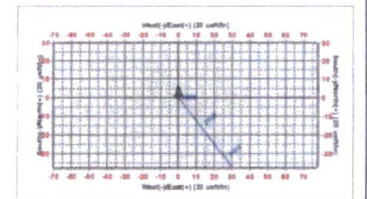
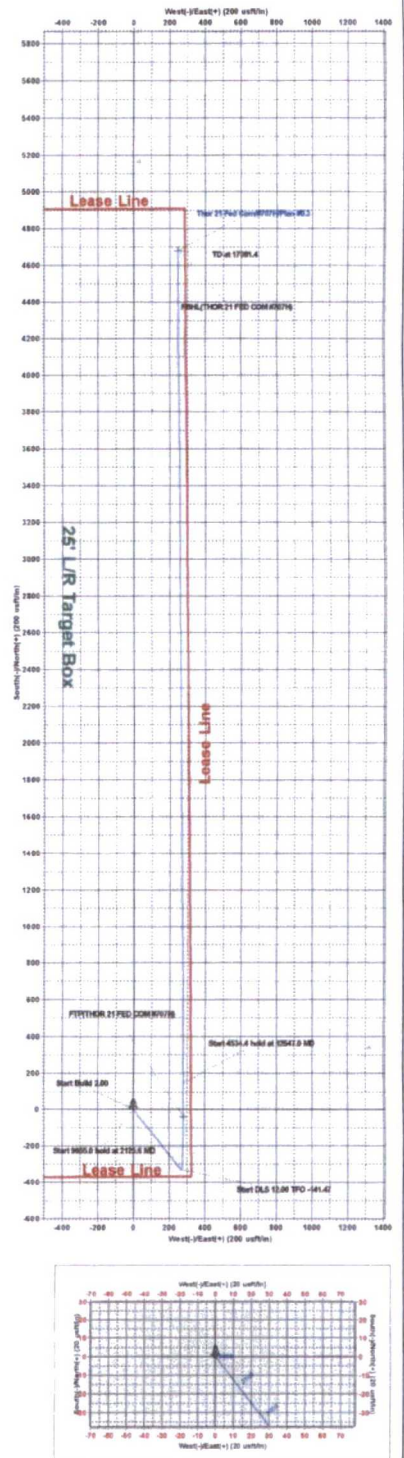
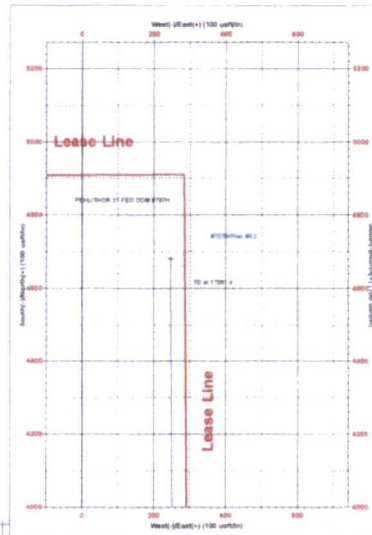
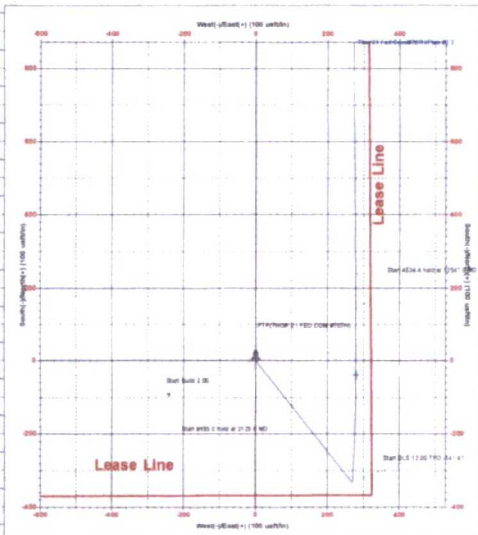
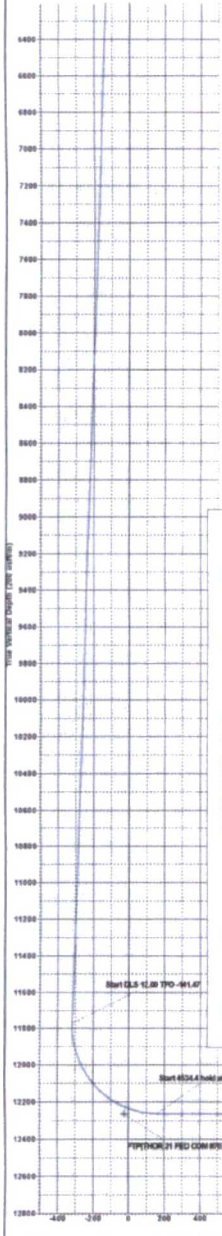
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Deg	TFace	V'Sect	Target	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0		
3	2125.8	2.61	141.10	2125.8	-2.1	1.7	2.00	141.10	-2.0		
4	11780.7	2.61	141.10	11771.3	331.5	267.6	0.00	0.00	-317.0		
5	12647.0	90.00	359.60	12285.0	148.7	277.7	12.00	-141.47	186.1		
6	17081.4	90.00	359.60	12285.0	4680.0	248.0	0.00	0.00	4686.5		PBH(THOR 21 FED COM #707H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
PBH(THOR 21 FED COM #707H)	12285.0	4680.0	248.0	377461.00	735724.00
FTPT(THOR 21 FED COM #707H)	12265.0	-39.0	279.0	372742.00	739767.00





EOG Resources, Inc.
Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Thor 21 Fed Com
Well: #707H
Wellbore: OH
Design: Plan #0.3

Local Co-ordinate Reference: Well #707H
TVD Reference: KB @ 3277.0usft
MD Reference: KB @ 3277.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	Lea County, NM (NAD 27 NME)		
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	Thor 21 Fed Com				
Site Position:		Northing:	372,581.00 usft	Latitude:	32° 1' 19.428 N
From:	Map	Easting:	735,478.00 usft	Longitude:	103° 34' 24.750 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.40 °

Well	#707H					
Well Position	+N/-S	200.0 usft	Northing:	372,781.00 usft	Latitude:	32° 1' 21.407 N
	+E/-W	0.0 usft	Easting:	735,478.00 usft	Longitude:	103° 34' 24.734 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,252.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2015	10/1/2016	(°)	(°)	(nT)
			7.02	59.89	47.892

Design	Plan #0.3			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	3.01

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		
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00		
2,125.6	2.51	141.10	2,125.6	-2.1	1.7	2.00	2.00	0.00	141.10		
11,780.7	2.51	141.10	11,771.3	-331.5	267.6	0.00	0.00	0.00	0.00		
12,547.0	90.00	359.60	12,265.0	145.7	277.7	12.00	11.42	-18.46	-141.47		
17,081.4	90.00	359.60	12,265.0	4,680.0	246.0	0.00	0.00	0.00	0.00	PBHL(THOR 21 FED)	



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 Site: Thor 21 Fed Com
 Well: #707H
 Wellbore: OH
 Design: Plan #0.3

Local Co-ordinate Reference: Well #707H
 TVD Reference: KB @ 3277.0usft
 MD Reference: KB @ 3277.0usft
 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	2.51	141.10	5,296.9	-110.4	89.1	-105.6	0.00	0.00	0.00
5,400.0	2.51	141.10	5,396.8	-113.9	91.9	-108.9	0.00	0.00	0.00
5,500.0	2.51	141.10	5,496.7	-117.3	94.6	-112.1	0.00	0.00	0.00
5,600.0	2.51	141.10	5,596.6	-120.7	97.4	-115.4	0.00	0.00	0.00
5,700.0	2.51	141.10	5,696.5	-124.1	100.1	-118.7	0.00	0.00	0.00
5,800.0	2.51	141.10	5,796.4	-127.5	102.9	-121.9	0.00	0.00	0.00
5,900.0	2.51	141.10	5,896.3	-130.9	105.6	-125.2	0.00	0.00	0.00
6,000.0	2.51	141.10	5,996.2	-134.3	108.4	-128.4	0.00	0.00	0.00
6,100.0	2.51	141.10	6,096.1	-137.7	111.2	-131.7	0.00	0.00	0.00
6,200.0	2.51	141.10	6,196.0	-141.1	113.9	-135.0	0.00	0.00	0.00
6,300.0	2.51	141.10	6,295.9	-144.6	116.7	-138.2	0.00	0.00	0.00
6,400.0	2.51	141.10	6,395.9	-148.0	119.4	-141.5	0.00	0.00	0.00
6,500.0	2.51	141.10	6,495.8	-151.4	122.2	-144.8	0.00	0.00	0.00
6,600.0	2.51	141.10	6,595.7	-154.8	124.9	-148.0	0.00	0.00	0.00
6,700.0	2.51	141.10	6,695.6	-158.2	127.7	-151.3	0.00	0.00	0.00
6,800.0	2.51	141.10	6,795.5	-161.6	130.4	-154.5	0.00	0.00	0.00
6,900.0	2.51	141.10	6,895.4	-165.0	133.2	-157.8	0.00	0.00	0.00
7,000.0	2.51	141.10	6,995.3	-168.4	135.9	-161.1	0.00	0.00	0.00
7,100.0	2.51	141.10	7,095.2	-171.9	138.7	-164.3	0.00	0.00	0.00
7,200.0	2.51	141.10	7,195.1	-175.3	141.4	-167.6	0.00	0.00	0.00
7,300.0	2.51	141.10	7,295.0	-178.7	144.2	-170.9	0.00	0.00	0.00
7,400.0	2.51	141.10	7,394.9	-182.1	146.9	-174.1	0.00	0.00	0.00
7,500.0	2.51	141.10	7,494.8	-185.5	149.7	-177.4	0.00	0.00	0.00
7,600.0	2.51	141.10	7,594.7	-188.9	152.5	-180.6	0.00	0.00	0.00
7,700.0	2.51	141.10	7,694.6	-192.3	155.2	-183.9	0.00	0.00	0.00
7,800.0	2.51	141.10	7,794.5	-195.7	158.0	-187.2	0.00	0.00	0.00
7,900.0	2.51	141.10	7,894.4	-199.1	160.7	-190.4	0.00	0.00	0.00
8,000.0	2.51	141.10	7,994.3	-202.6	163.5	-193.7	0.00	0.00	0.00
8,100.0	2.51	141.10	8,094.2	-206.0	166.2	-197.0	0.00	0.00	0.00
8,200.0	2.51	141.10	8,194.1	-209.4	169.0	-200.2	0.00	0.00	0.00
8,300.0	2.51	141.10	8,294.0	-212.8	171.7	-203.5	0.00	0.00	0.00
8,400.0	2.51	141.10	8,393.9	-216.2	174.5	-206.7	0.00	0.00	0.00
8,500.0	2.51	141.10	8,493.8	-219.6	177.2	-210.0	0.00	0.00	0.00
8,600.0	2.51	141.10	8,593.7	-223.0	180.0	-213.3	0.00	0.00	0.00
8,700.0	2.51	141.10	8,693.6	-226.4	182.7	-216.5	0.00	0.00	0.00
8,800.0	2.51	141.10	8,793.5	-229.8	185.5	-219.8	0.00	0.00	0.00
8,900.0	2.51	141.10	8,893.4	-233.3	188.2	-223.1	0.00	0.00	0.00
9,000.0	2.51	141.10	8,993.3	-236.7	191.0	-226.3	0.00	0.00	0.00
9,100.0	2.51	141.10	9,093.3	-240.1	193.8	-229.6	0.00	0.00	0.00
9,200.0	2.51	141.10	9,193.2	-243.5	196.5	-232.8	0.00	0.00	0.00
9,300.0	2.51	141.10	9,293.1	-246.9	199.3	-236.1	0.00	0.00	0.00
9,400.0	2.51	141.10	9,393.0	-250.3	202.0	-239.4	0.00	0.00	0.00
9,500.0	2.51	141.10	9,492.9	-253.7	204.8	-242.6	0.00	0.00	0.00
9,600.0	2.51	141.10	9,592.8	-257.1	207.5	-245.9	0.00	0.00	0.00
9,700.0	2.51	141.10	9,692.7	-260.6	210.3	-249.2	0.00	0.00	0.00
9,800.0	2.51	141.10	9,792.6	-264.0	213.0	-252.4	0.00	0.00	0.00
9,900.0	2.51	141.10	9,892.5	-267.4	215.8	-255.7	0.00	0.00	0.00
10,000.0	2.51	141.10	9,992.4	-270.8	218.5	-258.9	0.00	0.00	0.00
10,100.0	2.51	141.10	10,092.3	-274.2	221.3	-262.2	0.00	0.00	0.00
10,200.0	2.51	141.10	10,192.2	-277.6	224.0	-265.5	0.00	0.00	0.00
10,300.0	2.51	141.10	10,292.1	-281.0	226.8	-268.7	0.00	0.00	0.00
10,400.0	2.51	141.10	10,392.0	-284.4	229.5	-272.0	0.00	0.00	0.00
10,500.0	2.51	141.10	10,491.9	-287.8	232.3	-275.3	0.00	0.00	0.00
10,600.0	2.51	141.10	10,591.8	-291.3	235.1	-278.5	0.00	0.00	0.00



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 MD Reference: KB @ 3277.0usft
 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)
13,700.0	90.00	359.60	12,265.0	1,298.7	269.6	1,311.0	0.00	0.00	0.00
13,800.0	90.00	359.60	12,265.0	1,398.7	268.9	1,410.8	0.00	0.00	0.00
13,900.0	90.00	359.60	12,265.0	1,498.7	268.2	1,510.7	0.00	0.00	0.00
14,000.0	90.00	359.60	12,265.0	1,598.6	267.5	1,610.5	0.00	0.00	0.00
14,100.0	90.00	359.60	12,265.0	1,698.6	266.8	1,710.3	0.00	0.00	0.00
14,200.0	90.00	359.60	12,265.0	1,798.6	266.1	1,810.1	0.00	0.00	0.00
14,300.0	90.00	359.60	12,265.0	1,898.6	265.5	1,910.0	0.00	0.00	0.00
14,400.0	90.00	359.60	12,265.0	1,998.6	264.8	2,009.8	0.00	0.00	0.00
14,500.0	90.00	359.60	12,265.0	2,098.6	264.1	2,109.6	0.00	0.00	0.00
14,600.0	90.00	359.60	12,265.0	2,198.6	263.4	2,209.4	0.00	0.00	0.00
14,700.0	90.00	359.60	12,265.0	2,298.6	262.7	2,309.2	0.00	0.00	0.00
14,800.0	90.00	359.60	12,265.0	2,398.6	262.0	2,409.1	0.00	0.00	0.00
14,900.0	90.00	359.60	12,265.0	2,498.6	261.3	2,508.9	0.00	0.00	0.00
15,000.0	90.00	359.60	12,265.0	2,598.6	260.6	2,608.7	0.00	0.00	0.00
15,100.0	90.00	359.60	12,265.0	2,698.6	259.9	2,708.5	0.00	0.00	0.00
15,200.0	90.00	359.60	12,265.0	2,798.6	259.2	2,808.4	0.00	0.00	0.00
15,300.0	90.00	359.60	12,265.0	2,898.6	258.5	2,908.2	0.00	0.00	0.00
15,400.0	90.00	359.60	12,265.0	2,998.6	257.8	3,008.0	0.00	0.00	0.00
15,500.0	90.00	359.60	12,265.0	3,098.6	257.1	3,107.8	0.00	0.00	0.00
15,600.0	90.00	359.60	12,265.0	3,198.6	256.4	3,207.7	0.00	0.00	0.00
15,700.0	90.00	359.60	12,265.0	3,298.6	255.7	3,307.5	0.00	0.00	0.00
15,800.0	90.00	359.60	12,265.0	3,398.6	255.0	3,407.3	0.00	0.00	0.00
15,900.0	90.00	359.60	12,265.0	3,498.6	254.3	3,507.1	0.00	0.00	0.00
16,000.0	90.00	359.60	12,265.0	3,598.6	253.6	3,606.9	0.00	0.00	0.00
16,100.0	90.00	359.60	12,265.0	3,698.6	252.9	3,706.8	0.00	0.00	0.00
16,200.0	90.00	359.60	12,265.0	3,798.6	252.2	3,806.6	0.00	0.00	0.00
16,300.0	90.00	359.60	12,265.0	3,898.6	251.5	3,906.4	0.00	0.00	0.00
16,400.0	90.00	359.60	12,265.0	3,998.6	250.8	4,006.2	0.00	0.00	0.00
16,500.0	90.00	359.60	12,265.0	4,098.6	250.1	4,106.1	0.00	0.00	0.00
16,600.0	90.00	359.60	12,265.0	4,198.6	249.4	4,205.9	0.00	0.00	0.00
16,700.0	90.00	359.60	12,265.0	4,298.6	248.7	4,305.7	0.00	0.00	0.00
16,800.0	90.00	359.60	12,265.0	4,398.6	248.0	4,405.5	0.00	0.00	0.00
16,900.0	90.00	359.60	12,265.0	4,498.6	247.3	4,505.4	0.00	0.00	0.00
17,000.0	90.00	359.60	12,265.0	4,598.6	246.6	4,605.2	0.00	0.00	0.00
17,081.4	90.00	359.60	12,265.0	4,680.0	246.0	4,686.5	0.00	0.00	0.00

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP(THOR 21 FED COI - hit/miss target - Shape - Point	0.00	0.00	12,265.0	-39.0	279.0	372,742.00	735,757.00	32° 1' 21.002 N	103° 34' 21.496 W
- plan misses target center by 34.5usft at 12371.4usft MD (12233.1 TVD, -26.0 N, 278.0 E)									
PBHL(THOR 21 FED CC - plan hits target center - Point	0.00	0.00	12,265.0	4,680.0	246.0	377,461.00	735,724.00	32° 2' 7.703 N	103° 34' 21.494 W