30-025-44255

Convoy 28 State Com #701H
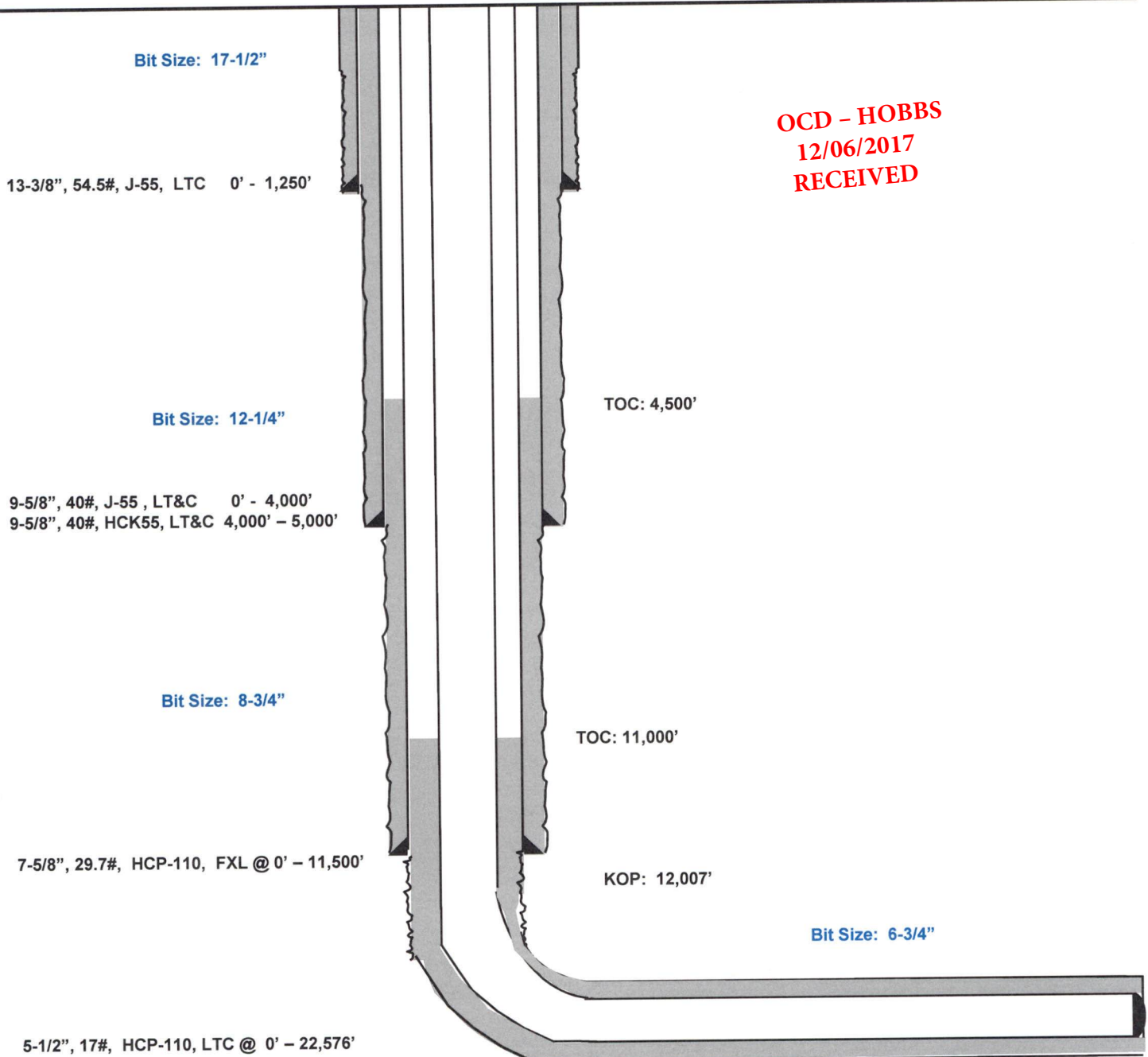## Lea County, New Mexico

Proposed Wellbore

605' FNL
690' FEL
Section 28
T-24-S, R-33-E

API: 30-025-*****

KB: 3,546'
GL: 3,521'

Bit Size: 17-1/2"

13-3/8", 54.5#, J-55, LTC   0' - 1,250'

Bit Size: 12-1/4"

TOC: 4,500'

9-5/8", 40#, J-55 , LT&C   0' - 4,000'
9-5/8", 40#, HCK55, LT&C 4,000' – 5,000'

Bit Size: 8-3/4"

TOC: 11,000'

7-5/8", 29.7#, HCP-110, FXL @ 0' – 11,500'

KOP: 12,007'

Bit Size: 6-3/4"

5-1/2", 17#, HCP-110, LTC @ 0' – 22,576'

Lateral: 22,576' MD, 12,490' TVD

BH Location: 230' FSL & 330' FEL
Section 33
T-24-S, R-33-E

eog resources

Lea County, NM (NAD 83 NME)

Convoy 28 State Com   #701H

Plan #0.1

Azimuths to Grid North
True North: -0.41°
Magnetic North: 6.50°

Magnetic Field
Strength: 47873.0snT
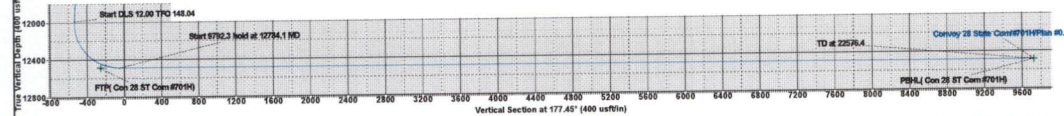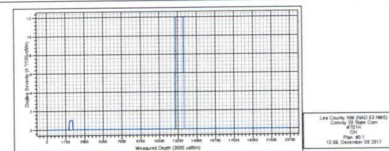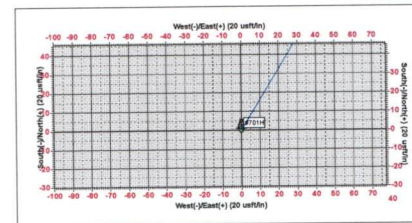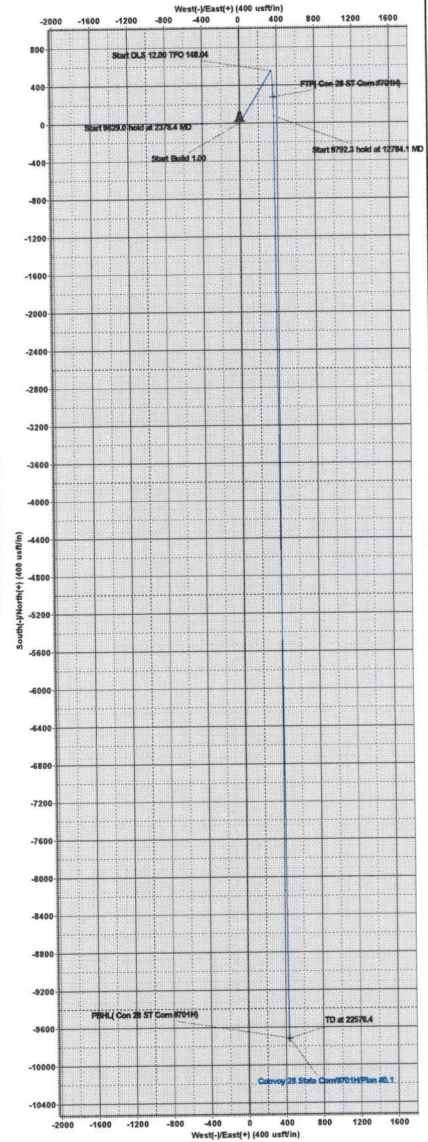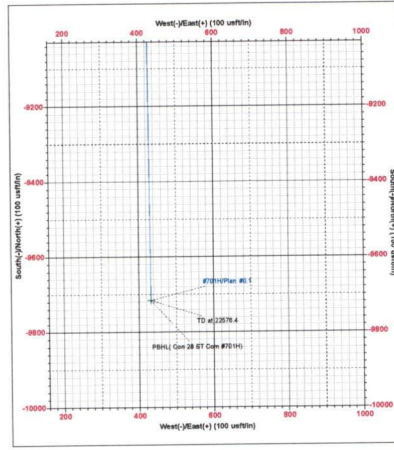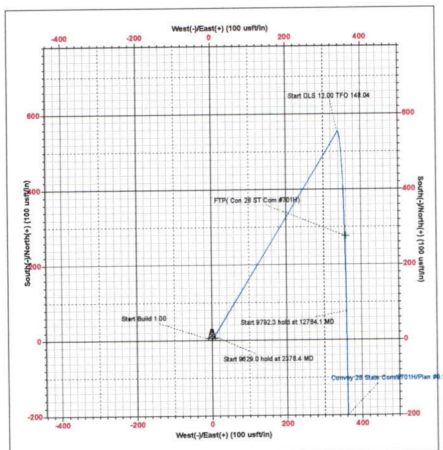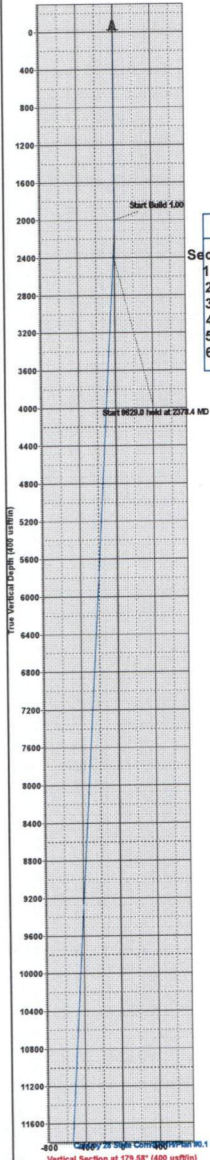Dip Angle: 60.03°
Date: 11/30/2017
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.50°
To convert a Magnetic Direction to a True Direction, Add 6.90° East
To convert a True Direction to a Grid Direction, Subtract 0.41°

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #701H

3521.0
KB = 25 @ 3546.0usft

Northing	Easting	Latitude	Longitude
435221.00	777172.00	32° 11' 39.126 N	103° 34' 15.406 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
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	2378.4	3.78	31.48	2378.1	10.7	6.5	1.00	31.48	-10.4	
4	12007.4	3.78	31.48	11986.1	552.6	338.5	0.00	0.00	-537.0	
5	12784.1	90.00	179.58	12490.0	76.0	359.5	12.00	148.04	-60.0	PBHL(Con 28 ST Com #701H)
6	22576.4	90.00	179.58	12490.0	-9716.0	432.0	0.00	0.00	9725.6	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP(Con 28 ST Com #701H)	12490.0	276.0	358.0	435497.00	777530.00
PBHL(Con 28 ST Com #701H)	12490.0	-9716.0	432.0	425505.00	777604.00

Convoy 28 State Com/#701H/Plan #0.1
Vertical Section at 179.58° (400 usft/in)

Vertical Section at 177.45° (400 usft/in)

Start DLS 12.00 TFO 148.04
Start 9792.3 hold at 12784.1 MD
FTP(Con 28 ST Com #701H)
TD at 22576.4
Convoy 28 State Com/#701H/Plan #0.1
PBHL(Con 28 ST Com #701H)

eog resources

EOG Resources - Midland
Lea County, NM (NAD 83 NME)
Convoy 28 State Com
#701H

OH

Plan: Plan #0.1

Standard Planning Report

06 December, 2017

eog resources

Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #701H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3546.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3546.0usft
Site:	Convoy 28 State Com	North Reference:	Grid
Well:	#701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Project	Lea County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Convoy 28 State Com				
Site Position:		Northing:	435,221.00 usft	Latitude:	32° 11' 39.126 N
From:	Map	Easting:	777,172.00 usft	Longitude:	103° 34' 15.406 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.41 °

Well	#701H				
Well Position	+N/-S	0.0 usft	Northing:	435,221.00 usft	Latitude:	32° 11' 39.126 N
	+E/-W	0.0 usft	Easting:	777,172.00 usft	Longitude:	103° 34' 15.406 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,521.0 usft

Wellbore	OH				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2015	11/30/2017	6.90	60.03	47,873.03002705

Design	Plan #0.1			
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	177.45

Plan Survey Tool Program   Date 12/6/2017

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	22,576.4	Plan #0.1 (OH)	MWD	
				MWD - Standard	

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	
2,378.4	3.78	31.48	2,378.1	10.7	6.5	1.00	1.00	0.00	31.48	
12,007.4	3.78	31.48	11,986.1	552.6	338.3	0.00	0.00	0.00	0.00	
12,784.1	90.00	179.58	12,490.0	76.0	359.5	12.00	11.10	19.07	148.04	
22,576.4	90.00	179.58	12,490.0	-9,716.0	432.0	0.00	0.00	0.00	0.00	PBHL(Con 28 ST Co

eog resources

Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #701H	
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3546.0usft	
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3546.0usft	
Site:	Convoy 28 State Com	North Reference:	Grid	
Well:	#701H	Survey Calculation Method:	Minimum Curvature	
Wellbore:	OH			
Design:	Plan #0.1			

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	1.00	31.48	2,100.0	0.7	0.5	-0.7	1.00	1.00	0.00
2,200.0	2.00	31.48	2,200.0	3.0	1.8	-2.9	1.00	1.00	0.00
2,300.0	3.00	31.48	2,299.9	6.7	4.1	-6.5	1.00	1.00	0.00
2,378.4	3.78	31.48	2,378.1	10.7	6.5	-10.4	1.00	1.00	0.00
2,400.0	3.78	31.48	2,399.7	11.9	7.3	-11.5	0.00	0.00	0.00
2,500.0	3.78	31.48	2,499.5	17.5	10.7	-17.0	0.00	0.00	0.00
2,600.0	3.78	31.48	2,599.2	23.1	14.2	-22.5	0.00	0.00	0.00
2,700.0	3.78	31.48	2,699.0	28.8	17.6	-27.9	0.00	0.00	0.00
2,800.0	3.78	31.48	2,798.8	34.4	21.1	-33.4	0.00	0.00	0.00
2,900.0	3.78	31.48	2,898.6	40.0	24.5	-38.9	0.00	0.00	0.00
3,000.0	3.78	31.48	2,998.4	45.6	27.9	-44.4	0.00	0.00	0.00
3,100.0	3.78	31.48	3,098.2	51.3	31.4	-49.8	0.00	0.00	0.00
3,200.0	3.78	31.48	3,197.9	56.9	34.8	-55.3	0.00	0.00	0.00
3,300.0	3.78	31.48	3,297.7	62.5	38.3	-60.8	0.00	0.00	0.00
3,400.0	3.78	31.48	3,397.5	68.2	41.7	-66.2	0.00	0.00	0.00
3,500.0	3.78	31.48	3,497.3	73.8	45.2	-71.7	0.00	0.00	0.00
3,600.0	3.78	31.48	3,597.1	79.4	48.6	-77.2	0.00	0.00	0.00
3,700.0	3.78	31.48	3,696.8	85.0	52.1	-82.6	0.00	0.00	0.00
3,800.0	3.78	31.48	3,796.6	90.7	55.5	-88.1	0.00	0.00	0.00
3,900.0	3.78	31.48	3,896.4	96.3	59.0	-93.6	0.00	0.00	0.00
4,000.0	3.78	31.48	3,996.2	101.9	62.4	-99.0	0.00	0.00	0.00
4,100.0	3.78	31.48	4,096.0	107.6	65.8	-104.5	0.00	0.00	0.00
4,200.0	3.78	31.48	4,195.8	113.2	69.3	-110.0	0.00	0.00	0.00
4,300.0	3.78	31.48	4,295.5	118.8	72.7	-115.5	0.00	0.00	0.00
4,400.0	3.78	31.48	4,395.3	124.4	76.2	-120.9	0.00	0.00	0.00
4,500.0	3.78	31.48	4,495.1	130.1	79.6	-126.4	0.00	0.00	0.00
4,600.0	3.78	31.48	4,594.9	135.7	83.1	-131.9	0.00	0.00	0.00
4,700.0	3.78	31.48	4,694.7	141.3	86.5	-137.3	0.00	0.00	0.00
4,800.0	3.78	31.48	4,794.4	146.9	90.0	-142.8	0.00	0.00	0.00
4,900.0	3.78	31.48	4,894.2	152.6	93.4	-148.3	0.00	0.00	0.00
5,000.0	3.78	31.48	4,994.0	158.2	96.9	-153.7	0.00	0.00	0.00
5,100.0	3.78	31.48	5,093.8	163.8	100.3	-159.2	0.00	0.00	0.00
5,200.0	3.78	31.48	5,193.6	169.5	103.8	-164.7	0.00	0.00	0.00

eog resources

Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #701H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3546.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3546.0usft
Site:	Convoy 28 State Com	North Reference:	Grid
Well:	#701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	3.78	31.48	5,293.4	175.1	107.2	-170.2	0.00	0.00	0.00
5,400.0	3.78	31.48	5,393.1	180.7	110.6	-175.6	0.00	0.00	0.00
5,500.0	3.78	31.48	5,492.9	186.3	114.1	-181.1	0.00	0.00	0.00
5,600.0	3.78	31.48	5,592.7	192.0	117.5	-186.6	0.00	0.00	0.00
5,700.0	3.78	31.48	5,692.5	197.6	121.0	-192.0	0.00	0.00	0.00
5,800.0	3.78	31.48	5,792.3	203.2	124.4	-197.5	0.00	0.00	0.00
5,900.0	3.78	31.48	5,892.0	208.9	127.9	-203.0	0.00	0.00	0.00
6,000.0	3.78	31.48	5,991.8	214.5	131.3	-208.4	0.00	0.00	0.00
6,100.0	3.78	31.48	6,091.6	220.1	134.8	-213.9	0.00	0.00	0.00
6,200.0	3.78	31.48	6,191.4	225.7	138.2	-219.4	0.00	0.00	0.00
6,300.0	3.78	31.48	6,291.2	231.4	141.7	-224.9	0.00	0.00	0.00
6,400.0	3.78	31.48	6,391.0	237.0	145.1	-230.3	0.00	0.00	0.00
6,500.0	3.78	31.48	6,490.7	242.6	148.6	-235.8	0.00	0.00	0.00
6,600.0	3.78	31.48	6,590.5	248.3	152.0	-241.3	0.00	0.00	0.00
6,700.0	3.78	31.48	6,690.3	253.9	155.4	-246.7	0.00	0.00	0.00
6,800.0	3.78	31.48	6,790.1	259.5	158.9	-252.2	0.00	0.00	0.00
6,900.0	3.78	31.48	6,889.9	265.1	162.3	-257.7	0.00	0.00	0.00
7,000.0	3.78	31.48	6,989.6	270.8	165.8	-263.1	0.00	0.00	0.00
7,100.0	3.78	31.48	7,089.4	276.4	169.2	-268.6	0.00	0.00	0.00
7,200.0	3.78	31.48	7,189.2	282.0	172.7	-274.1	0.00	0.00	0.00
7,300.0	3.78	31.48	7,289.0	287.7	176.1	-279.5	0.00	0.00	0.00
7,400.0	3.78	31.48	7,388.8	293.3	179.6	-285.0	0.00	0.00	0.00
7,500.0	3.78	31.48	7,488.6	298.9	183.0	-290.5	0.00	0.00	0.00
7,600.0	3.78	31.48	7,588.3	304.5	186.5	-296.0	0.00	0.00	0.00
7,700.0	3.78	31.48	7,688.1	310.2	189.9	-301.4	0.00	0.00	0.00
7,800.0	3.78	31.48	7,787.9	315.8	193.4	-306.9	0.00	0.00	0.00
7,900.0	3.78	31.48	7,887.7	321.4	196.8	-312.4	0.00	0.00	0.00
8,000.0	3.78	31.48	7,987.5	327.1	200.2	-317.8	0.00	0.00	0.00
8,100.0	3.78	31.48	8,087.3	332.7	203.7	-323.3	0.00	0.00	0.00
8,200.0	3.78	31.48	8,187.0	338.3	207.1	-328.8	0.00	0.00	0.00
8,300.0	3.78	31.48	8,286.8	343.9	210.6	-334.2	0.00	0.00	0.00
8,400.0	3.78	31.48	8,386.6	349.6	214.0	-339.7	0.00	0.00	0.00
8,500.0	3.78	31.48	8,486.4	355.2	217.5	-345.2	0.00	0.00	0.00
8,600.0	3.78	31.48	8,586.2	360.8	220.9	-350.7	0.00	0.00	0.00
8,700.0	3.78	31.48	8,685.9	366.5	224.4	-356.1	0.00	0.00	0.00
8,800.0	3.78	31.48	8,785.7	372.1	227.8	-361.6	0.00	0.00	0.00
8,900.0	3.78	31.48	8,885.5	377.7	231.3	-367.1	0.00	0.00	0.00
9,000.0	3.78	31.48	8,985.3	383.3	234.7	-372.5	0.00	0.00	0.00
9,100.0	3.78	31.48	9,085.1	389.0	238.2	-378.0	0.00	0.00	0.00
9,200.0	3.78	31.48	9,184.9	394.6	241.6	-383.5	0.00	0.00	0.00
9,300.0	3.78	31.48	9,284.6	400.2	245.0	-388.9	0.00	0.00	0.00
9,400.0	3.78	31.48	9,384.4	405.9	248.5	-394.4	0.00	0.00	0.00
9,500.0	3.78	31.48	9,484.2	411.5	251.9	-399.9	0.00	0.00	0.00
9,600.0	3.78	31.48	9,584.0	417.1	255.4	-405.4	0.00	0.00	0.00
9,700.0	3.78	31.48	9,683.8	422.7	258.8	-410.8	0.00	0.00	0.00
9,800.0	3.78	31.48	9,783.5	428.4	262.3	-416.3	0.00	0.00	0.00
9,900.0	3.78	31.48	9,883.3	434.0	265.7	-421.8	0.00	0.00	0.00
10,000.0	3.78	31.48	9,983.1	439.6	269.2	-427.2	0.00	0.00	0.00
10,100.0	3.78	31.48	10,082.9	445.3	272.6	-432.7	0.00	0.00	0.00
10,200.0	3.78	31.48	10,182.7	450.9	276.1	-438.2	0.00	0.00	0.00
10,300.0	3.78	31.48	10,282.5	456.5	279.5	-443.6	0.00	0.00	0.00
10,400.0	3.78	31.48	10,382.2	462.1	282.9	-449.1	0.00	0.00	0.00
10,500.0	3.78	31.48	10,482.0	467.8	286.4	-454.6	0.00	0.00	0.00
10,600.0	3.78	31.48	10,581.8	473.4	289.8	-460.1	0.00	0.00	0.00

eog resources

Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #701H	
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3546.0usft	
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3546.0usft	
Site:	Convoy 28 State Com	North Reference:	Grid	
Well:	#701H	Survey Calculation Method:	Minimum Curvature	
Wellbore:	OH			
Design:	Plan #0.1			

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)
10,700.0	3.78	31.48	10,681.6	479.0	293.3	-465.5	0.00	0.00	0.00
10,800.0	3.78	31.48	10,781.4	484.6	296.7	-471.0	0.00	0.00	0.00
10,900.0	3.78	31.48	10,881.1	490.3	300.2	-476.5	0.00	0.00	0.00
11,000.0	3.78	31.48	10,980.9	495.9	303.6	-481.9	0.00	0.00	0.00
11,100.0	3.78	31.48	11,080.7	501.5	307.1	-487.4	0.00	0.00	0.00
11,200.0	3.78	31.48	11,180.5	507.2	310.5	-492.9	0.00	0.00	0.00
11,300.0	3.78	31.48	11,280.3	512.8	314.0	-498.3	0.00	0.00	0.00
11,400.0	3.78	31.48	11,380.1	518.4	317.4	-503.8	0.00	0.00	0.00
11,500.0	3.78	31.48	11,479.8	524.0	320.9	-509.3	0.00	0.00	0.00
11,600.0	3.78	31.48	11,579.6	529.7	324.3	-514.7	0.00	0.00	0.00
11,700.0	3.78	31.48	11,679.4	535.3	327.7	-520.2	0.00	0.00	0.00
11,800.0	3.78	31.48	11,779.2	540.9	331.2	-525.7	0.00	0.00	0.00
11,900.0	3.78	31.48	11,879.0	546.6	334.6	-531.2	0.00	0.00	0.00
12,007.4	3.78	31.48	11,986.1	552.6	338.3	-537.0	0.00	0.00	0.00
12,025.0	2.28	60.89	12,003.7	553.3	338.9	-537.7	12.00	-8.52	166.74
12,050.0	2.76	133.18	12,028.7	553.1	339.8	-537.5	12.00	1.93	289.13
12,075.0	5.30	157.43	12,053.6	551.6	340.7	-535.9	12.00	10.14	97.01
12,100.0	8.15	165.46	12,078.5	548.8	341.6	-533.1	12.00	11.42	32.11
12,125.0	11.09	169.30	12,103.1	544.8	342.5	-529.0	12.00	11.73	15.38
12,150.0	14.05	171.54	12,127.5	539.4	343.4	-523.6	12.00	11.84	8.98
12,175.0	17.02	173.02	12,151.6	532.8	344.3	-516.9	12.00	11.90	5.90
12,200.0	20.00	174.07	12,175.3	524.9	345.2	-509.0	12.00	11.93	4.19
12,225.0	22.99	174.85	12,198.5	515.8	346.0	-499.9	12.00	11.95	3.14
12,250.0	25.98	175.46	12,221.3	505.4	346.9	-489.5	12.00	11.96	2.45
12,275.0	28.97	175.96	12,243.5	493.9	347.8	-478.0	12.00	11.97	1.98
12,300.0	31.96	176.36	12,265.0	481.3	348.6	-465.3	12.00	11.97	1.63
12,325.0	34.96	176.71	12,285.9	467.5	349.4	-451.6	12.00	11.98	1.38
12,350.0	37.95	177.01	12,306.0	452.7	350.3	-436.7	12.00	11.98	1.19
12,375.0	40.95	177.27	12,325.3	436.8	351.1	-420.8	12.00	11.98	1.04
12,400.0	43.94	177.50	12,343.7	420.0	351.8	-403.9	12.00	11.98	0.92
12,425.0	46.94	177.70	12,361.3	402.2	352.6	-386.1	12.00	11.99	0.83
12,450.0	49.93	177.89	12,377.9	383.5	353.3	-367.4	12.00	11.99	0.75
12,475.0	52.93	178.06	12,393.4	364.0	354.0	-347.9	12.00	11.99	0.69
12,500.0	55.93	178.22	12,408.0	343.7	354.6	-327.6	12.00	11.99	0.63
12,525.0	58.93	178.37	12,421.4	322.6	355.3	-306.5	12.00	11.99	0.59
12,550.0	61.92	178.51	12,433.8	300.9	355.9	-284.8	12.00	11.99	0.55
12,575.0	64.92	178.64	12,445.0	278.5	356.4	-262.4	12.00	11.99	0.52
12,600.0	67.92	178.76	12,455.0	255.6	356.9	-239.5	12.00	11.99	0.50
12,625.0	70.92	178.88	12,463.7	232.2	357.4	-216.1	12.00	11.99	0.48
12,650.0	73.92	179.00	12,471.3	208.4	357.8	-192.3	12.00	11.99	0.46
12,675.0	76.91	179.11	12,477.6	184.2	358.2	-168.1	12.00	11.99	0.45
12,700.0	79.91	179.22	12,482.6	159.7	358.6	-143.6	12.00	11.99	0.44
12,725.0	82.91	179.33	12,486.3	135.0	358.9	-118.9	12.00	11.99	0.43
12,750.0	85.91	179.43	12,488.8	110.1	359.2	-94.1	12.00	11.99	0.42
12,775.0	88.91	179.54	12,489.9	85.2	359.4	-69.1	12.00	11.99	0.42
12,784.1	90.00	179.58	12,490.0	76.0	359.5	-60.0	12.00	11.99	0.42
12,800.0	90.00	179.58	12,490.0	60.2	359.6	-44.1	0.00	0.00	0.00
12,900.0	90.00	179.58	12,490.0	-39.8	360.3	55.8	0.00	0.00	0.00
13,000.0	90.00	179.58	12,490.0	-139.8	361.1	155.7	0.00	0.00	0.00
13,100.0	90.00	179.58	12,490.0	-239.8	361.8	255.7	0.00	0.00	0.00
13,200.0	90.00	179.58	12,490.0	-339.8	362.6	355.6	0.00	0.00	0.00
13,300.0	90.00	179.58	12,490.0	-439.8	363.3	455.5	0.00	0.00	0.00
13,400.0	90.00	179.58	12,490.0	-539.8	364.0	555.5	0.00	0.00	0.00
13,500.0	90.00	179.58	12,490.0	-639.8	364.8	655.4	0.00	0.00	0.00

Planning Report

eog resources

Database:	EDM 5000.14
Company:	EOG Resources - Midland
Project:	Lea County, NM (NAD 83 NME)
Site:	Convoy 28 State Com
Well:	#701H
Wellbore:	OH
Design:	Plan #0.1

Local Co-ordinate Reference:	Well #701H
TVD Reference:	KB = 25 @ 3546.0usft
MD Reference:	KB = 25 @ 3546.0usft
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)
13,600.0	90.00	179.58	12,490.0	-739.8	365.5	755.3	0.00	0.00	0.00
13,700.0	90.00	179.58	12,490.0	-839.8	366.3	855.3	0.00	0.00	0.00
13,800.0	90.00	179.58	12,490.0	-939.8	367.0	955.2	0.00	0.00	0.00
13,900.0	90.00	179.58	12,490.0	-1,039.8	367.7	1,055.1	0.00	0.00	0.00
14,000.0	90.00	179.58	12,490.0	-1,139.8	368.5	1,155.1	0.00	0.00	0.00
14,100.0	90.00	179.58	12,490.0	-1,239.8	369.2	1,255.0	0.00	0.00	0.00
14,200.0	90.00	179.58	12,490.0	-1,339.8	370.0	1,354.9	0.00	0.00	0.00
14,300.0	90.00	179.58	12,490.0	-1,439.8	370.7	1,454.8	0.00	0.00	0.00
14,400.0	90.00	179.58	12,490.0	-1,539.8	371.4	1,554.8	0.00	0.00	0.00
14,500.0	90.00	179.58	12,490.0	-1,639.8	372.2	1,654.7	0.00	0.00	0.00
14,600.0	90.00	179.58	12,490.0	-1,739.8	372.9	1,754.6	0.00	0.00	0.00
14,700.0	90.00	179.58	12,490.0	-1,839.8	373.7	1,854.6	0.00	0.00	0.00
14,800.0	90.00	179.58	12,490.0	-1,939.8	374.4	1,954.5	0.00	0.00	0.00
14,900.0	90.00	179.58	12,490.0	-2,039.8	375.2	2,054.4	0.00	0.00	0.00
15,000.0	90.00	179.58	12,490.0	-2,139.8	375.9	2,154.4	0.00	0.00	0.00
15,100.0	90.00	179.58	12,490.0	-2,239.8	376.6	2,254.3	0.00	0.00	0.00
15,200.0	90.00	179.58	12,490.0	-2,339.8	377.4	2,354.2	0.00	0.00	0.00
15,300.0	90.00	179.58	12,490.0	-2,439.8	378.1	2,454.2	0.00	0.00	0.00
15,400.0	90.00	179.58	12,490.0	-2,539.8	378.9	2,554.1	0.00	0.00	0.00
15,500.0	90.00	179.58	12,490.0	-2,639.8	379.6	2,654.0	0.00	0.00	0.00
15,600.0	90.00	179.58	12,490.0	-2,739.8	380.3	2,754.0	0.00	0.00	0.00
15,700.0	90.00	179.58	12,490.0	-2,839.8	381.1	2,853.9	0.00	0.00	0.00
15,800.0	90.00	179.58	12,490.0	-2,939.8	381.8	2,953.8	0.00	0.00	0.00
15,900.0	90.00	179.58	12,490.0	-3,039.8	382.6	3,053.8	0.00	0.00	0.00
16,000.0	90.00	179.58	12,490.0	-3,139.8	383.3	3,153.7	0.00	0.00	0.00
16,100.0	90.00	179.58	12,490.0	-3,239.8	384.0	3,253.6	0.00	0.00	0.00
16,200.0	90.00	179.58	12,490.0	-3,339.8	384.8	3,353.5	0.00	0.00	0.00
16,300.0	90.00	179.58	12,490.0	-3,439.7	385.5	3,453.5	0.00	0.00	0.00
16,400.0	90.00	179.58	12,490.0	-3,539.7	386.3	3,553.4	0.00	0.00	0.00
16,500.0	90.00	179.58	12,490.0	-3,639.7	387.0	3,653.3	0.00	0.00	0.00
16,600.0	90.00	179.58	12,490.0	-3,739.7	387.7	3,753.3	0.00	0.00	0.00
16,700.0	90.00	179.58	12,490.0	-3,839.7	388.5	3,853.2	0.00	0.00	0.00
16,800.0	90.00	179.58	12,490.0	-3,939.7	389.2	3,953.1	0.00	0.00	0.00
16,900.0	90.00	179.58	12,490.0	-4,039.7	390.0	4,053.1	0.00	0.00	0.00
17,000.0	90.00	179.58	12,490.0	-4,139.7	390.7	4,153.0	0.00	0.00	0.00
17,100.0	90.00	179.58	12,490.0	-4,239.7	391.4	4,252.9	0.00	0.00	0.00
17,200.0	90.00	179.58	12,490.0	-4,339.7	392.2	4,352.9	0.00	0.00	0.00
17,300.0	90.00	179.58	12,490.0	-4,439.7	392.9	4,452.8	0.00	0.00	0.00
17,400.0	90.00	179.58	12,490.0	-4,539.7	393.7	4,552.7	0.00	0.00	0.00
17,500.0	90.00	179.58	12,490.0	-4,639.7	394.4	4,652.7	0.00	0.00	0.00
17,600.0	90.00	179.58	12,490.0	-4,739.7	395.1	4,752.6	0.00	0.00	0.00
17,700.0	90.00	179.58	12,490.0	-4,839.7	395.9	4,852.5	0.00	0.00	0.00
17,800.0	90.00	179.58	12,490.0	-4,939.7	396.6	4,952.4	0.00	0.00	0.00
17,900.0	90.00	179.58	12,490.0	-5,039.7	397.4	5,052.4	0.00	0.00	0.00
18,000.0	90.00	179.58	12,490.0	-5,139.7	398.1	5,152.3	0.00	0.00	0.00
18,100.0	90.00	179.58	12,490.0	-5,239.7	398.8	5,252.2	0.00	0.00	0.00
18,200.0	90.00	179.58	12,490.0	-5,339.7	399.6	5,352.2	0.00	0.00	0.00
18,300.0	90.00	179.58	12,490.0	-5,439.7	400.3	5,452.1	0.00	0.00	0.00
18,400.0	90.00	179.58	12,490.0	-5,539.7	401.1	5,552.0	0.00	0.00	0.00
18,500.0	90.00	179.58	12,490.0	-5,639.7	401.8	5,652.0	0.00	0.00	0.00
18,600.0	90.00	179.58	12,490.0	-5,739.7	402.6	5,751.9	0.00	0.00	0.00
18,700.0	90.00	179.58	12,490.0	-5,839.7	403.3	5,851.8	0.00	0.00	0.00
18,800.0	90.00	179.58	12,490.0	-5,939.7	404.0	5,951.8	0.00	0.00	0.00
18,900.0	90.00	179.58	12,490.0	-6,039.7	404.8	6,051.7	0.00	0.00	0.00

eog resources

Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #701H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3546.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3546.0usft
Site:	Convoy 28 State Com	North Reference:	Grid
Well:	#701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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)
19,000.0	90.00	179.58	12,490.0	-6,139.7	405.5	6,151.6	0.00	0.00	0.00
19,100.0	90.00	179.58	12,490.0	-6,239.7	406.3	6,251.6	0.00	0.00	0.00
19,200.0	90.00	179.58	12,490.0	-6,339.7	407.0	6,351.5	0.00	0.00	0.00
19,300.0	90.00	179.58	12,490.0	-6,439.7	407.7	6,451.4	0.00	0.00	0.00
19,400.0	90.00	179.58	12,490.0	-6,539.7	408.5	6,551.4	0.00	0.00	0.00
19,500.0	90.00	179.58	12,490.0	-6,639.7	409.2	6,651.3	0.00	0.00	0.00
19,600.0	90.00	179.58	12,490.0	-6,739.7	410.0	6,751.2	0.00	0.00	0.00
19,700.0	90.00	179.58	12,490.0	-6,839.7	410.7	6,851.1	0.00	0.00	0.00
19,800.0	90.00	179.58	12,490.0	-6,939.7	411.4	6,951.1	0.00	0.00	0.00
19,900.0	90.00	179.58	12,490.0	-7,039.6	412.2	7,051.0	0.00	0.00	0.00
20,000.0	90.00	179.58	12,490.0	-7,139.6	412.9	7,150.9	0.00	0.00	0.00
20,100.0	90.00	179.58	12,490.0	-7,239.6	413.7	7,250.9	0.00	0.00	0.00
20,200.0	90.00	179.58	12,490.0	-7,339.6	414.4	7,350.8	0.00	0.00	0.00
20,300.0	90.00	179.58	12,490.0	-7,439.6	415.1	7,450.7	0.00	0.00	0.00
20,400.0	90.00	179.58	12,490.0	-7,539.6	415.9	7,550.7	0.00	0.00	0.00
20,500.0	90.00	179.58	12,490.0	-7,639.6	416.6	7,650.6	0.00	0.00	0.00
20,600.0	90.00	179.58	12,490.0	-7,739.6	417.4	7,750.5	0.00	0.00	0.00
20,700.0	90.00	179.58	12,490.0	-7,839.6	418.1	7,850.5	0.00	0.00	0.00
20,800.0	90.00	179.58	12,490.0	-7,939.6	418.8	7,950.4	0.00	0.00	0.00
20,900.0	90.00	179.58	12,490.0	-8,039.6	419.6	8,050.3	0.00	0.00	0.00
21,000.0	90.00	179.58	12,490.0	-8,139.6	420.3	8,150.3	0.00	0.00	0.00
21,100.0	90.00	179.58	12,490.0	-8,239.6	421.1	8,250.2	0.00	0.00	0.00
21,200.0	90.00	179.58	12,490.0	-8,339.6	421.8	8,350.1	0.00	0.00	0.00
21,300.0	90.00	179.58	12,490.0	-8,439.6	422.5	8,450.1	0.00	0.00	0.00
21,400.0	90.00	179.58	12,490.0	-8,539.6	423.3	8,550.0	0.00	0.00	0.00
21,500.0	90.00	179.58	12,490.0	-8,639.6	424.0	8,649.9	0.00	0.00	0.00
21,600.0	90.00	179.58	12,490.0	-8,739.6	424.8	8,749.8	0.00	0.00	0.00
21,700.0	90.00	179.58	12,490.0	-8,839.6	425.5	8,849.8	0.00	0.00	0.00
21,800.0	90.00	179.58	12,490.0	-8,939.6	426.3	8,949.7	0.00	0.00	0.00
21,900.0	90.00	179.58	12,490.0	-9,039.6	427.0	9,049.6	0.00	0.00	0.00
22,000.0	90.00	179.58	12,490.0	-9,139.6	427.7	9,149.6	0.00	0.00	0.00
22,100.0	90.00	179.58	12,490.0	-9,239.6	428.5	9,249.5	0.00	0.00	0.00
22,200.0	90.00	179.58	12,490.0	-9,339.6	429.2	9,349.4	0.00	0.00	0.00
22,300.0	90.00	179.58	12,490.0	-9,439.6	430.0	9,449.4	0.00	0.00	0.00
22,400.0	90.00	179.58	12,490.0	-9,539.6	430.7	9,549.3	0.00	0.00	0.00
22,500.0	90.00	179.58	12,490.0	-9,639.6	431.4	9,649.2	0.00	0.00	0.00
22,576.4	90.00	179.58	12,490.0	-9,716.0	432.0	9,725.6	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
FTP(Con 28 ST Com #7	0.00	0.00	12,490.0	276.0	358.0	435,497.00	777,530.00	32° 11' 41.832 N	103° 34' 11.217 W
- plan misses target center by 40.2usft at 12595.4usft MD (12453.2 TVD, 259.9 N, 356.8 E)									
- Point									
PBHL(Con 28 ST Com	0.00	0.00	12,490.0	-9,716.0	432.0	425,505.00	777,604.00	32° 10' 2.954 N	103° 34' 11.181 W
- plan hits target center									
- Point									