Permit Information:

Well Name: Andele 16 State Com No. 704H

Location:
SL: 300' FSL & 824' FWL, Section 16, T-25-S, R-34-E, Lea Co., N.M.
BHL: 230' FNL & 1654' FWL, Section 16, T-25-S, R-34-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF_{min} Collapse	DF_{min} Burst	DF_{min} Tension
14.75"	0 – 940'	10.75"	40.5#	J55	STC	1.125	1.25	1.60
8.75"	0' – 11,500'	7.625"	29.7#	HCP-110	FlushMax III	1.125	1.25	1.60
6.75"	0'-17,451'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft^3/ft	Slurry Description
940'	400	13.5	1.73	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	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
11,500'	250	14.8	1.38	Class C + 5% Gypsum + 3% CaCl2 (TOC @ Surface)
	2000	14.8	1.38	Class C + 5% Gypsum + 3% CaCl2
	550	14.4	1.20	50:50 Class H:Poz + 0.25% CPT20A + 0.40% CPT49 + 0.20% CPT35 + 0.80% CPT16A + 0.25% CPT503P
17,451'	800	14.2	1.31	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 11,000')

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 940'	Fresh - Gel	8.6-8.8	28-34	N/c
940' – 11,500'	Brine	8.8-10.0	28-34	N/c
11,500' – 12,174'	Oil Base	10.0-11.5	58-68	3 - 6
12,174' – 17,451' Lateral	Oil Base	10.0-11.5	58-68	3 - 6

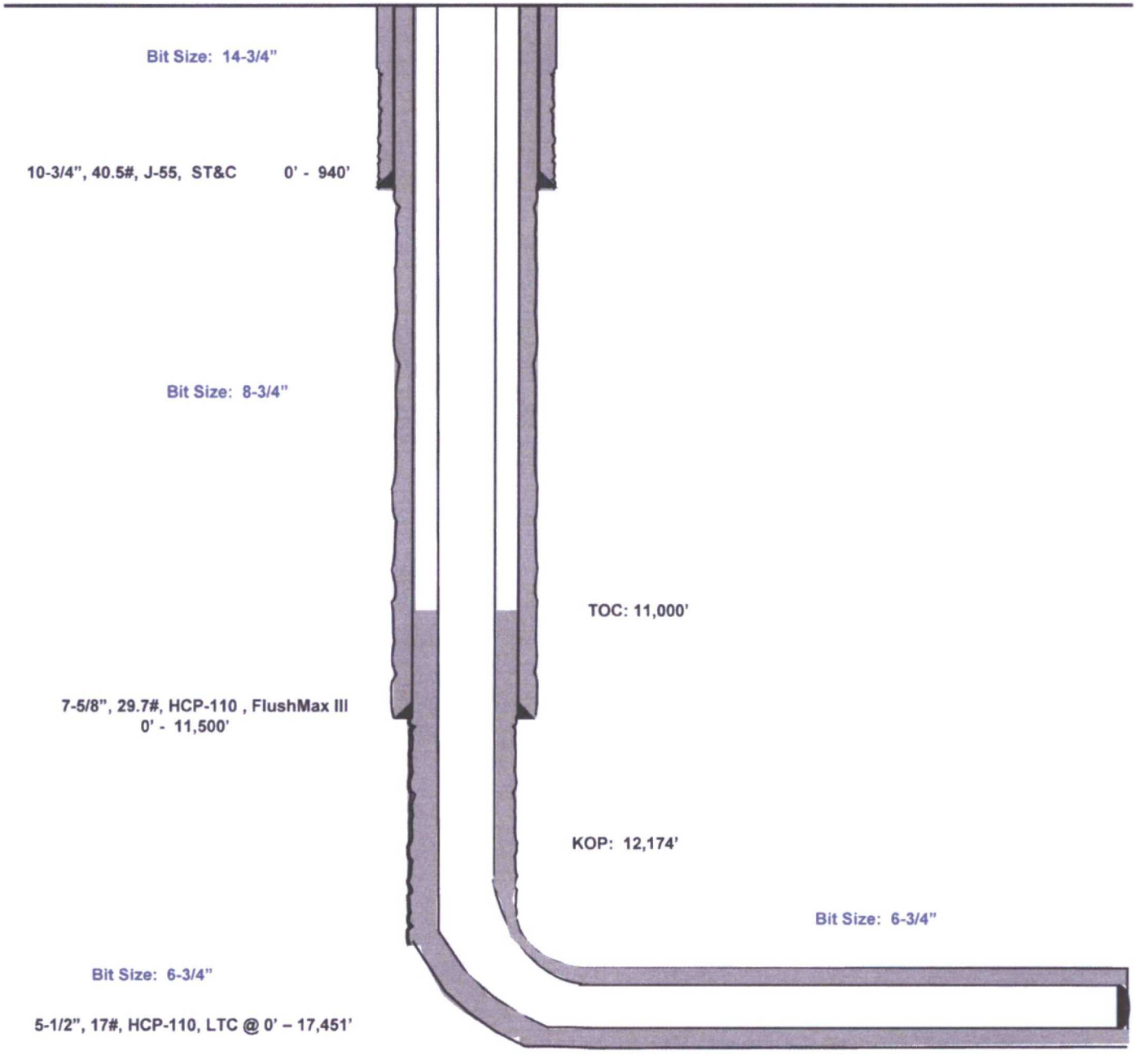
Andele 16 State Com #704H

Lea County, New Mexico
Proposed Wellbore

300' FSL
824' FWL
Section 16
T-25-S, R-34-E

API: 30-025-*****

KB: 3,379'
GL: 3,354'



Lateral: 17,451' MD, 12,623' TVD

BH Location: 230' FNL & 1654' FWL
Section 16
T-25-S, R-34-E

eog resources

Lea County, NM (NAD 83 NME)

Andele 16 State Com #704H

Plan #0.1

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

Azimuths to Grid North
True North: -0.45°
Magnetic North: 6.44°

Magnetic Field
Strength: 47878.4snT
Dip Angle: 59.98°
Date: 7/24/2017
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.44°
To convert a Magnetic Direction to a True Direction, Add 6.89° East
To convert a True Direction to a Grid Direction, Subtract 0.45°

WELL DETAILS: #704H

3354.00
KB = 25 @ 3379.00usft

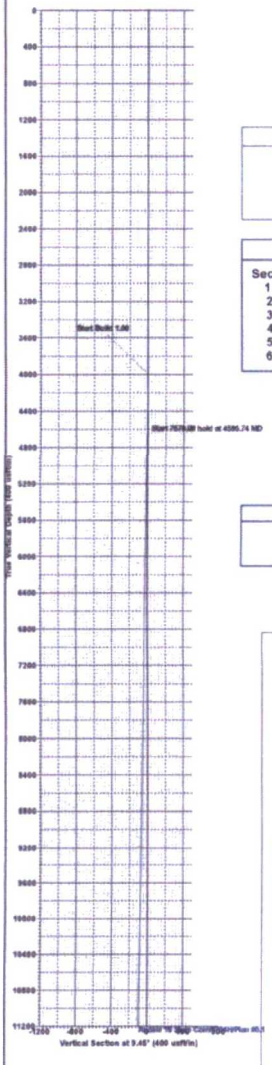
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	409928.00	805267.00	32.12410054	-103.48077851	

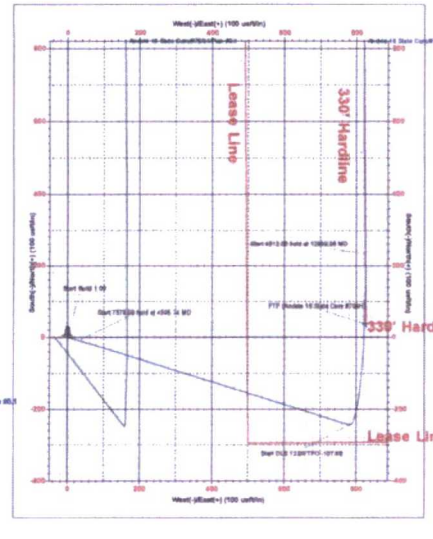
SECTION DETAILS

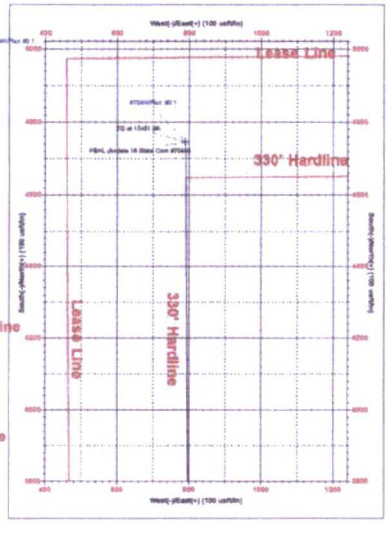
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	
3	4595.74	5.96	107.32	4594.66	-9.21	29.54	1.00	107.32	-4.24	
4	12174.83	5.96	107.32	12132.82	-243.45	780.48	0.00	0.00	-112.00	
5	12939.96	90.00	359.55	12623.00	234.14	825.44	12.00	-107.68	366.50	
6	17451.96	90.00	359.55	12623.00	4746.00	790.00	0.00	0.00	4811.30	PBHL (Andele 16 State Com #704H)

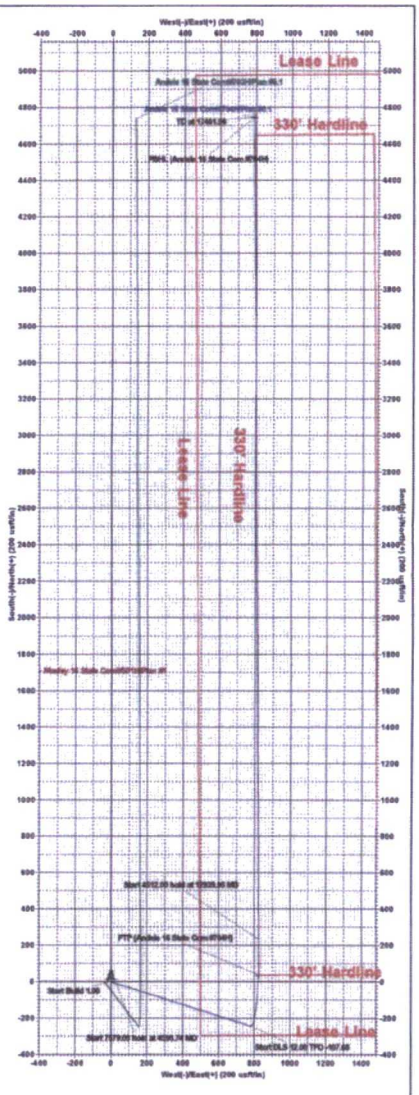
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

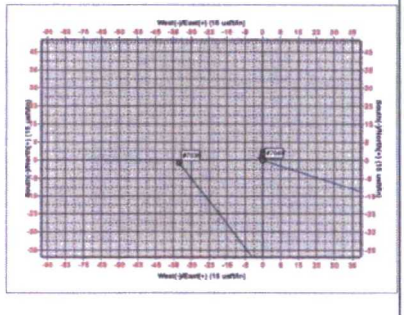
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
FTP (Andele 16 State Com #704H)	12623.00	36.00	827.00	409964.00	806094.00	Point
PBHL (Andele 16 State Com #704H)	12623.00	4746.00	790.00	414674.00	806057.00	Point

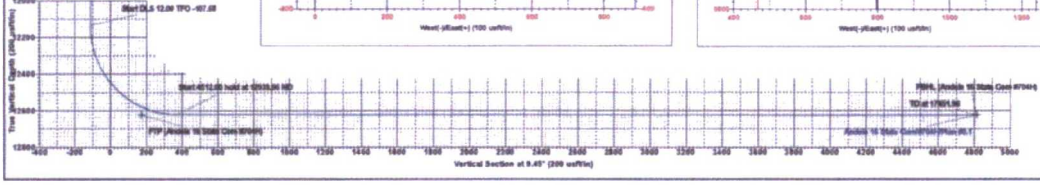












EOG Resources - Midland

Lea County, NM (NAD 83 NME)
Andele 16 State Com
#704H

OH

Plan: Plan #0.1

Standard Planning Report

24 July, 2017

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well #704H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3379.00usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25' @ 3379.00usft
Site:	Andele 16 State Com	**North Reference:**	Grid
Well:	#704H	**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	Andele 16 State Com				
Site Position:		**Northing:**	409,927.00 usft	**Latitude:**	32.12409855
From:	Map	**Easting:**	805,232.00 usft	**Longitude:**	-103.48089158
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.45 °

Well	#704H					
Well Position	**+N/-S**	1.00 usft	**Northing:**	409,928.00 usft	**Latitude:**	32.12410054
	+E/-W	35.00 usft	**Easting:**	805,267.00 usft	**Longitude:**	-103.48077851
Position Uncertainty		0.00 usft	**Wellhead Elevation:**		**Ground Level:**	3,354.00 usft

Wellbore	OH				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2015	7/24/2017	6.89	59.98	47,878.37869600

Design	Plan #0.1			
Audit Notes:				
Version:	**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**
	0.00	0.00	0.00	9.45

Plan Survey Tool Program **Date** 7/24/2017

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	17,451.96	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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,595.74	5.96	107.32	4,594.66	-9.21	29.54	1.00	1.00	0.00	107.32	
12,174.83	5.96	107.32	12,132.82	-243.45	780.48	0.00	0.00	0.00	0.00	
12,939.96	90.00	359.55	12,623.00	234.14	825.44	12.00	10.98	-14.09	-107.68	
17,451.96	90.00	359.55	12,623.00	4,746.00	790.00	0.00	0.00	0.00	0.00	PBHL (Andele 16 Stat

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well #704H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3379.00usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25' @ 3379.00usft
Site:	Andele 16 State Com	**North Reference:**	Grid
Well:	#704H	**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)
0.00	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
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	1.00	107.32	4,100.00	-0.26	0.83	-0.12	1.00	1.00	0.00
4,200.00	2.00	107.32	4,199.96	-1.04	3.33	-0.48	1.00	1.00	0.00
4,300.00	3.00	107.32	4,299.86	-2.34	7.50	-1.08	1.00	1.00	0.00
4,400.00	4.00	107.32	4,399.68	-4.16	13.32	-1.91	1.00	1.00	0.00
4,500.00	5.00	107.32	4,499.37	-6.49	20.81	-2.99	1.00	1.00	0.00
4,595.74	5.96	107.32	4,594.66	-9.21	29.54	-4.24	1.00	1.00	0.00
4,600.00	5.96	107.32	4,598.90	-9.35	29.96	-4.30	0.00	0.00	0.00
4,700.00	5.96	107.32	4,698.36	-12.44	39.87	-5.72	0.00	0.00	0.00
4,800.00	5.96	107.32	4,797.82	-15.53	49.78	-7.14	0.00	0.00	0.00
4,900.00	5.96	107.32	4,897.28	-18.62	59.69	-8.56	0.00	0.00	0.00
5,000.00	5.96	107.32	4,996.74	-21.71	69.59	-9.99	0.00	0.00	0.00
5,100.00	5.96	107.32	5,096.20	-24.80	79.50	-11.41	0.00	0.00	0.00
5,200.00	5.96	107.32	5,195.66	-27.89	89.41	-12.83	0.00	0.00	0.00

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well #704H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3379.00usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25' @ 3379.00usft
Site:	Andele 16 State Com	**North Reference:**	Grid
Well:	#704H	**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)
5,300.00	5.96	107.32	5,295.12	-30.98	99.32	-14.25	0.00	0.00	0.00
5,400.00	5.96	107.32	5,394.58	-34.07	109.23	-15.67	0.00	0.00	0.00
5,500.00	5.96	107.32	5,494.04	-37.16	119.13	-17.10	0.00	0.00	0.00
5,600.00	5.96	107.32	5,593.50	-40.25	129.04	-18.52	0.00	0.00	0.00
5,700.00	5.96	107.32	5,692.96	-43.34	138.95	-19.94	0.00	0.00	0.00
5,800.00	5.96	107.32	5,792.42	-46.43	148.86	-21.36	0.00	0.00	0.00
5,900.00	5.96	107.32	5,891.88	-49.52	158.77	-22.78	0.00	0.00	0.00
6,000.00	5.96	107.32	5,991.34	-52.61	168.67	-24.20	0.00	0.00	0.00
6,100.00	5.96	107.32	6,090.80	-55.71	178.58	-25.63	0.00	0.00	0.00
6,200.00	5.96	107.32	6,190.26	-58.80	188.49	-27.05	0.00	0.00	0.00
6,300.00	5.96	107.32	6,289.72	-61.89	198.40	-28.47	0.00	0.00	0.00
6,400.00	5.96	107.32	6,389.18	-64.98	208.31	-29.89	0.00	0.00	0.00
6,500.00	5.96	107.32	6,488.64	-68.07	218.21	-31.31	0.00	0.00	0.00
6,600.00	5.96	107.32	6,588.10	-71.16	228.12	-32.74	0.00	0.00	0.00
6,700.00	5.96	107.32	6,687.56	-74.25	238.03	-34.16	0.00	0.00	0.00
6,800.00	5.96	107.32	6,787.02	-77.34	247.94	-35.58	0.00	0.00	0.00
6,900.00	5.96	107.32	6,886.48	-80.43	257.85	-37.00	0.00	0.00	0.00
7,000.00	5.96	107.32	6,985.94	-83.52	267.75	-38.42	0.00	0.00	0.00
7,100.00	5.96	107.32	7,085.40	-86.61	277.66	-39.84	0.00	0.00	0.00
7,200.00	5.96	107.32	7,184.86	-89.70	287.57	-41.27	0.00	0.00	0.00
7,300.00	5.96	107.32	7,284.32	-92.79	297.48	-42.69	0.00	0.00	0.00
7,400.00	5.96	107.32	7,383.78	-95.88	307.39	-44.11	0.00	0.00	0.00
7,500.00	5.96	107.32	7,483.24	-98.97	317.29	-45.53	0.00	0.00	0.00
7,600.00	5.96	107.32	7,582.70	-102.06	327.20	-46.95	0.00	0.00	0.00
7,700.00	5.96	107.32	7,682.16	-105.15	337.11	-48.38	0.00	0.00	0.00
7,800.00	5.96	107.32	7,781.62	-108.25	347.02	-49.80	0.00	0.00	0.00
7,900.00	5.96	107.32	7,881.08	-111.34	356.93	-51.22	0.00	0.00	0.00
8,000.00	5.96	107.32	7,980.54	-114.43	366.83	-52.64	0.00	0.00	0.00
8,100.00	5.96	107.32	8,080.00	-117.52	376.74	-54.06	0.00	0.00	0.00
8,200.00	5.96	107.32	8,179.46	-120.61	386.65	-55.48	0.00	0.00	0.00
8,300.00	5.96	107.32	8,278.92	-123.70	396.56	-56.91	0.00	0.00	0.00
8,400.00	5.96	107.32	8,378.38	-126.79	406.47	-58.33	0.00	0.00	0.00
8,500.00	5.96	107.32	8,477.84	-129.88	416.37	-59.75	0.00	0.00	0.00
8,600.00	5.96	107.32	8,577.30	-132.97	426.28	-61.17	0.00	0.00	0.00
8,700.00	5.96	107.32	8,676.76	-136.06	436.19	-62.59	0.00	0.00	0.00
8,800.00	5.96	107.32	8,776.22	-139.15	446.10	-64.01	0.00	0.00	0.00
8,900.00	5.96	107.32	8,875.68	-142.24	456.01	-65.44	0.00	0.00	0.00
9,000.00	5.96	107.32	8,975.14	-145.33	465.91	-66.86	0.00	0.00	0.00
9,100.00	5.96	107.32	9,074.60	-148.42	475.82	-68.28	0.00	0.00	0.00
9,200.00	5.96	107.32	9,174.06	-151.51	485.73	-69.70	0.00	0.00	0.00
9,300.00	5.96	107.32	9,273.52	-154.60	495.64	-71.12	0.00	0.00	0.00
9,400.00	5.96	107.32	9,372.98	-157.69	505.55	-72.55	0.00	0.00	0.00
9,500.00	5.96	107.32	9,472.44	-160.79	515.45	-73.97	0.00	0.00	0.00
9,600.00	5.96	107.32	9,571.90	-163.88	525.36	-75.39	0.00	0.00	0.00
9,700.00	5.96	107.32	9,671.36	-166.97	535.27	-76.81	0.00	0.00	0.00
9,800.00	5.96	107.32	9,770.82	-170.06	545.18	-78.23	0.00	0.00	0.00
9,900.00	5.96	107.32	9,870.28	-173.15	555.09	-79.65	0.00	0.00	0.00
10,000.00	5.96	107.32	9,969.74	-176.24	564.99	-81.08	0.00	0.00	0.00
10,100.00	5.96	107.32	10,069.20	-179.33	574.90	-82.50	0.00	0.00	0.00
10,200.00	5.96	107.32	10,168.66	-182.42	584.81	-83.92	0.00	0.00	0.00
10,300.00	5.96	107.32	10,268.12	-185.51	594.72	-85.34	0.00	0.00	0.00
10,400.00	5.96	107.32	10,367.58	-188.60	604.63	-86.76	0.00	0.00	0.00
10,500.00	5.96	107.32	10,467.04	-191.69	614.53	-88.19	0.00	0.00	0.00
10,600.00	5.96	107.32	10,566.50	-194.78	624.44	-89.61	0.00	0.00	0.00

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well #704H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3379.00usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25' @ 3379.00usft
Site:	Andele 16 State Com	**North Reference:**	Grid
Well:	#704H	**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)
10,700.00	5.96	107.32	10,665.96	-197.87	634.35	-91.03	0.00	0.00	0.00
10,800.00	5.96	107.32	10,765.42	-200.96	644.26	-92.45	0.00	0.00	0.00
10,900.00	5.96	107.32	10,864.88	-204.05	654.17	-93.87	0.00	0.00	0.00
11,000.00	5.96	107.32	10,964.34	-207.14	664.07	-95.29	0.00	0.00	0.00
11,100.00	5.96	107.32	11,063.80	-210.24	673.98	-96.72	0.00	0.00	0.00
11,200.00	5.96	107.32	11,163.26	-213.33	683.89	-98.14	0.00	0.00	0.00
11,300.00	5.96	107.32	11,262.72	-216.42	693.80	-99.56	0.00	0.00	0.00
11,400.00	5.96	107.32	11,362.18	-219.51	703.71	-100.98	0.00	0.00	0.00
11,500.00	5.96	107.32	11,461.64	-222.60	713.61	-102.40	0.00	0.00	0.00
11,600.00	5.96	107.32	11,561.10	-225.69	723.52	-103.82	0.00	0.00	0.00
11,700.00	5.96	107.32	11,660.56	-228.78	733.43	-105.25	0.00	0.00	0.00
11,800.00	5.96	107.32	11,760.02	-231.87	743.34	-106.67	0.00	0.00	0.00
11,900.00	5.96	107.32	11,859.48	-234.96	753.25	-108.09	0.00	0.00	0.00
12,000.00	5.96	107.32	11,958.94	-238.05	763.16	-109.51	0.00	0.00	0.00
12,100.00	5.96	107.32	12,058.40	-241.14	773.06	-110.93	0.00	0.00	0.00
12,174.83	5.96	107.32	12,132.82	-243.45	780.48	-112.00	0.00	0.00	0.00
12,200.00	5.80	77.54	12,157.87	-243.57	782.97	-111.70	12.00	-0.62	-118.32
12,225.00	7.06	52.92	12,182.72	-242.37	785.43	-110.12	12.00	5.03	-98.49
12,250.00	9.16	37.58	12,207.47	-239.86	787.87	-107.24	12.00	8.41	-61.34
12,275.00	11.66	28.33	12,232.06	-236.06	790.28	-103.10	12.00	10.00	-37.01
12,300.00	14.35	22.40	12,256.41	-230.97	792.66	-97.69	12.00	10.76	-23.71
12,325.00	17.14	18.34	12,280.47	-224.61	795.00	-91.02	12.00	11.17	-16.24
12,350.00	20.00	15.40	12,304.17	-216.99	797.30	-83.13	12.00	11.40	-11.77
12,375.00	22.88	13.17	12,327.44	-208.13	799.54	-74.03	12.00	11.55	-8.92
12,400.00	25.80	11.41	12,350.21	-198.07	801.72	-63.74	12.00	11.65	-7.01
12,425.00	28.72	10.00	12,372.43	-186.81	803.84	-52.29	12.00	11.72	-5.67
12,450.00	31.67	8.82	12,394.04	-174.41	805.89	-39.72	12.00	11.77	-4.70
12,475.00	34.62	7.83	12,414.97	-160.89	807.87	-26.06	12.00	11.80	-3.98
12,500.00	37.57	6.97	12,435.17	-146.28	809.76	-11.34	12.00	11.83	-3.42
12,525.00	40.54	6.22	12,454.58	-130.64	811.57	4.39	12.00	11.85	-2.99
12,550.00	43.50	5.56	12,473.15	-113.99	813.28	21.09	12.00	11.87	-2.65
12,575.00	46.47	4.97	12,490.83	-96.40	814.90	38.72	12.00	11.88	-2.38
12,600.00	49.45	4.43	12,507.57	-77.89	816.42	57.22	12.00	11.89	-2.15
12,625.00	52.42	3.94	12,523.32	-58.54	817.83	76.54	12.00	11.90	-1.97
12,650.00	55.40	3.48	12,538.05	-38.38	819.14	96.64	12.00	11.91	-1.82
12,675.00	58.38	3.06	12,551.70	-17.47	820.33	117.46	12.00	11.92	-1.69
12,700.00	61.36	2.66	12,564.25	4.12	821.41	138.93	12.00	11.92	-1.59
12,725.00	64.34	2.29	12,575.66	26.34	822.36	161.01	12.00	11.93	-1.50
12,750.00	67.32	1.93	12,585.89	49.13	823.20	183.63	12.00	11.93	-1.43
12,751.28	67.48	1.91	12,586.38	50.31	823.24	184.80	12.00	11.93	-1.39
FTP (Andele 16 State Com #704H)									
12,775.00	70.31	1.59	12,594.93	72.43	823.92	206.73	12.00	11.93	-1.36
12,800.00	73.29	1.26	12,602.73	96.17	824.51	230.24	12.00	11.93	-1.32
12,825.00	76.27	0.94	12,609.30	120.28	824.97	254.11	12.00	11.94	-1.27
12,850.00	79.26	0.63	12,614.59	144.71	825.30	278.26	12.00	11.94	-1.24
12,875.00	82.24	0.33	12,618.61	169.38	825.51	302.63	12.00	11.94	-1.22
12,900.00	85.23	0.03	12,621.34	194.23	825.59	327.15	12.00	11.94	-1.20
12,925.00	88.21	359.73	12,622.77	219.19	825.53	351.76	12.00	11.94	-1.19
12,939.96	90.00	359.55	12,623.00	234.14	825.44	366.50	12.00	11.94	-1.19
13,000.00	90.00	359.55	12,623.00	294.18	824.97	425.64	0.00	0.00	0.00
13,100.00	90.00	359.55	12,623.00	394.18	824.18	524.16	0.00	0.00	0.00
13,200.00	90.00	359.55	12,623.00	494.17	823.39	622.67	0.00	0.00	0.00
13,300.00	90.00	359.55	12,623.00	594.17	822.61	721.18	0.00	0.00	0.00

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well #704H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3379.00usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25' @ 3379.00usft
Site:	Andele 16 State Com	**North Reference:**	Grid
Well:	#704H	**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)
13,400.00	90.00	359.55	12,623.00	694.17	821.82	819.69	0.00	0.00	0.00
13,500.00	90.00	359.55	12,623.00	794.17	821.04	918.20	0.00	0.00	0.00
13,600.00	90.00	359.55	12,623.00	894.16	820.25	1,016.71	0.00	0.00	0.00
13,700.00	90.00	359.55	12,623.00	994.16	819.47	1,115.22	0.00	0.00	0.00
13,800.00	90.00	359.55	12,623.00	1,094.16	818.68	1,213.73	0.00	0.00	0.00
13,900.00	90.00	359.55	12,623.00	1,194.15	817.90	1,312.24	0.00	0.00	0.00
14,000.00	90.00	359.55	12,623.00	1,294.15	817.11	1,410.75	0.00	0.00	0.00
14,100.00	90.00	359.55	12,623.00	1,394.15	816.33	1,509.26	0.00	0.00	0.00
14,200.00	90.00	359.55	12,623.00	1,494.14	815.54	1,607.77	0.00	0.00	0.00
14,300.00	90.00	359.55	12,623.00	1,594.14	814.76	1,706.28	0.00	0.00	0.00
14,400.00	90.00	359.55	12,623.00	1,694.14	813.97	1,804.80	0.00	0.00	0.00
14,500.00	90.00	359.55	12,623.00	1,794.13	813.18	1,903.31	0.00	0.00	0.00
14,600.00	90.00	359.55	12,623.00	1,894.13	812.40	2,001.82	0.00	0.00	0.00
14,700.00	90.00	359.55	12,623.00	1,994.13	811.61	2,100.33	0.00	0.00	0.00
14,800.00	90.00	359.55	12,623.00	2,094.13	810.83	2,198.84	0.00	0.00	0.00
14,900.00	90.00	359.55	12,623.00	2,194.12	810.04	2,297.35	0.00	0.00	0.00
15,000.00	90.00	359.55	12,623.00	2,294.12	809.26	2,395.86	0.00	0.00	0.00
15,100.00	90.00	359.55	12,623.00	2,394.12	808.47	2,494.37	0.00	0.00	0.00
15,200.00	90.00	359.55	12,623.00	2,494.11	807.69	2,592.88	0.00	0.00	0.00
15,300.00	90.00	359.55	12,623.00	2,594.11	806.90	2,691.39	0.00	0.00	0.00
15,400.00	90.00	359.55	12,623.00	2,694.11	806.12	2,789.90	0.00	0.00	0.00
15,500.00	90.00	359.55	12,623.00	2,794.10	805.33	2,888.41	0.00	0.00	0.00
15,600.00	90.00	359.55	12,623.00	2,894.10	804.55	2,986.92	0.00	0.00	0.00
15,700.00	90.00	359.55	12,623.00	2,994.10	803.76	3,085.44	0.00	0.00	0.00
15,800.00	90.00	359.55	12,623.00	3,094.09	802.97	3,183.95	0.00	0.00	0.00
15,900.00	90.00	359.55	12,623.00	3,194.09	802.19	3,282.46	0.00	0.00	0.00
16,000.00	90.00	359.55	12,623.00	3,294.09	801.40	3,380.97	0.00	0.00	0.00
16,100.00	90.00	359.55	12,623.00	3,394.09	800.62	3,479.48	0.00	0.00	0.00
16,200.00	90.00	359.55	12,623.00	3,494.08	799.83	3,577.99	0.00	0.00	0.00
16,300.00	90.00	359.55	12,623.00	3,594.08	799.05	3,676.50	0.00	0.00	0.00
16,400.00	90.00	359.55	12,623.00	3,694.08	798.26	3,775.01	0.00	0.00	0.00
16,500.00	90.00	359.55	12,623.00	3,794.07	797.48	3,873.52	0.00	0.00	0.00
16,600.00	90.00	359.55	12,623.00	3,894.07	796.69	3,972.03	0.00	0.00	0.00
16,700.00	90.00	359.55	12,623.00	3,994.07	795.91	4,070.54	0.00	0.00	0.00
16,800.00	90.00	359.55	12,623.00	4,094.06	795.12	4,169.05	0.00	0.00	0.00
16,900.00	90.00	359.55	12,623.00	4,194.06	794.34	4,267.56	0.00	0.00	0.00
17,000.00	90.00	359.55	12,623.00	4,294.06	793.55	4,366.08	0.00	0.00	0.00
17,100.00	90.00	359.55	12,623.00	4,394.05	792.76	4,464.59	0.00	0.00	0.00
17,200.00	90.00	359.55	12,623.00	4,494.05	791.98	4,563.10	0.00	0.00	0.00
17,300.00	90.00	359.55	12,623.00	4,594.05	791.19	4,661.61	0.00	0.00	0.00
17,400.00	90.00	359.55	12,623.00	4,694.05	790.41	4,760.12	0.00	0.00	0.00
17,451.96	90.00	359.55	12,623.00	4,746.00	790.00	4,811.30	0.00	0.00	0.00
PBHL (Andele 16 State Com #704H)									

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well #704H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3379.00usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25' @ 3379.00usft
Site:	Andele 16 State Com	**North Reference:**	Grid
Well:	#704H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL (Andele 16 State (- plan hits target center - Point	0.00	0.00	12,623.00	4,746.00	790.00	414,674.00	806,057.00	32.13712837	-103.47810516
FTP (Andele 16 State C - plan misses target center by 39.49usft at 12751.28usft MD (12586.38 TVD, 50.31 N, 823.24 E) - Point	0.00	0.00	12,623.00	36.00	827.00	409,964.00	806,094.00	32.12418147	-103.47810644