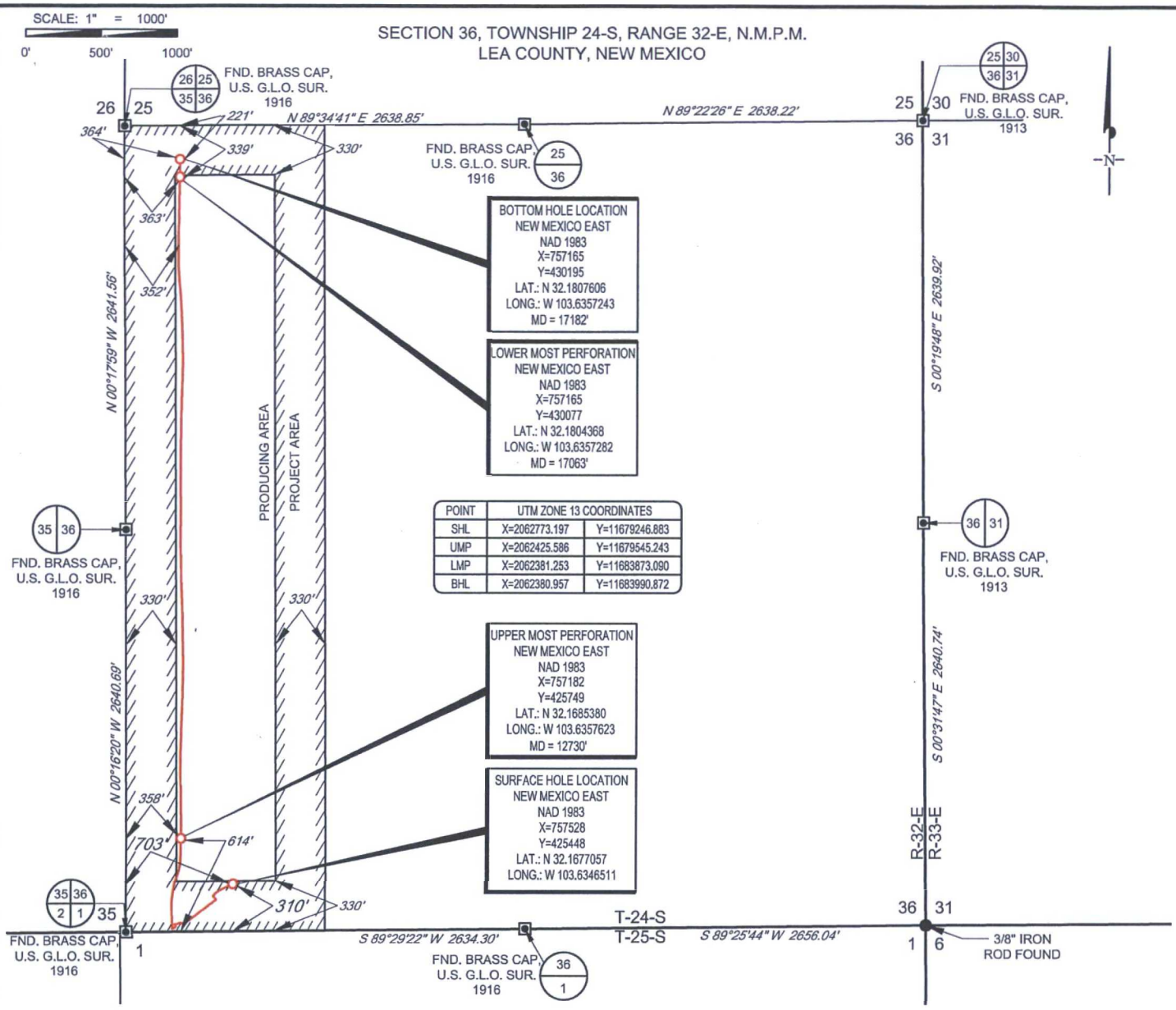


POINT	UTM ZONE 13 COORDINATES	
SHL	X=2062773.197	Y=11679246.883
UMP	X=2062425.586	Y=11679545.243
LMP	X=2062381.253	Y=11683873.090
BHL	X=2062380.957	Y=11683990.872

LEASE NAME & WELL NO.: PYTHON 36 STATE COM #701H

SECTION 36 TWP 24-S RGE 32-E SURVEY N.M.P.M.

COUNTY LEA STATE NM ELEVATION 3557'

DESCRIPTION 310' FSL & 703' FWL

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

MICHAEL B. BROWN NEW MEXICO 18329 PROFESSIONAL SURVEYOR

Michael Blake Brown, P.S. No. 18329
APRIL 18, 2018

eog resources, inc.

PYTHON 36 STATE COM #701H AS-COMPLETE	REVISION:
DATE: 04/18/18	
FILE: AD_PYTHON_36_STATE_COM_701H	
DRAWN BY: H.B.	
SHEET: 1 OF 1	

NOTES:
1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.
3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

S:\SURVEY\EOG_MIDLAND\PYTHON_36_STATE_COM\FINAL_PRODUCTS\AD_PYTHON_36_STATE_COM_701H.DWG 4/24/2018 8:17:59 AM eochoa

eog resources

Lea County, NM (NAD 83 NME)

Python 36 State Com #701H

HP 379

Plan #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: -0.37°
Magnetic North: 6.55°

Magnetic Field
Strength: 47840.5snT
Dip Angle: 59.99°
Date: 1/4/2018
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.55°
To convert a Magnetic Direction to a True Direction, Add 6.92°East
To convert a True Direction to a Grid Direction, Subtract 0.37°

WELL DETAILS: #701H

3558.0
KB = 25 @ 3583.0usft (HP 379)

Northing	Easting	Latitude	Longitude
425448.00	757528.00	32°10' 3.739 N	103°38' 4.742 W

SECTION DETAILS

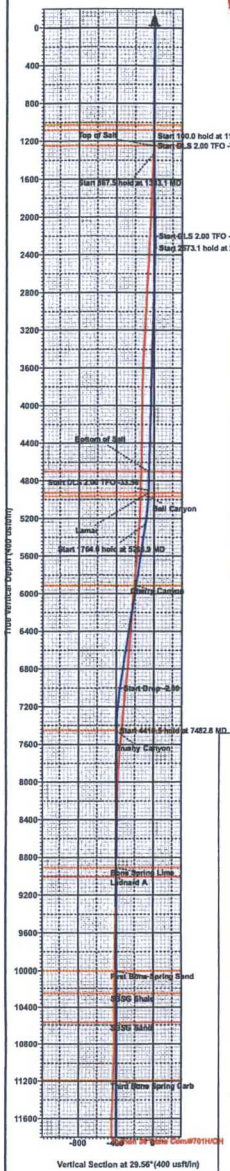
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target	Annotation
1	1146.0	0.26	336.43	1145.9	-8.9	2.5	0.00	0.00	-9.1		
2	1246.0	0.26	336.43	1245.9	-8.5	2.3	0.00	0.00	-8.6		
3	1333.1	2.00	330.00	1333.0	-7.0	1.5	2.00	-7.39	-7.1		
4	2200.6	2.00	330.00	2200.0	19.2	-13.7	0.00	0.00	20.2		
5	2329.2	2.00	250.00	2328.5	20.4	-16.9	2.00	-129.98	21.7		
6	4902.3	2.00	250.00	4900.0	-10.3	-101.3	0.00	0.00	-2.4		
7	5266.9	9.03	223.43	5262.8	-33.3	-127.0	2.00	-33.56	-23.4		
8	7031.5	9.03	223.43	7005.5	-234.3	-317.3	0.00	0.00	-209.1		
9	7482.8	0.00	0.00	7455.0	-260.1	-341.7	2.00	180.00	-232.9		
10	11899.3	0.00	0.00	11871.5	-260.1	-341.7	0.00	0.00	-232.9		
11	12650.0	90.07	359.71	12349.0	218.0	-344.1	12.00	359.71	243.9		
12	13404.0	90.07	359.71	12348.0	972.0	-347.9	0.00	0.00	996.0	TGT 1(Python 36 St Com #701H)	
13	13411.8	90.23	359.71	12348.0	979.8	-347.9	2.00	-1.11	1003.7		
14	14407.0	90.23	359.71	12344.0	1975.0	-353.0	0.00	0.00	1996.4	TGT 2(Python 36 St Com #701H)	
15	14409.9	90.29	359.71	12344.0	1977.8	-353.0	2.00	0.01	1999.2		
16	15410.1	90.29	359.71	12339.0	2978.0	-358.1	0.00	0.00	2998.8	TGT 3(Python 36 St Com #701H)	
17	15424.4	90.00	359.71	12339.0	2992.4	-358.2	2.00	179.99	3011.1		
18	16413.2	90.00	359.71	12339.0	3981.1	-363.2	0.00	0.00	3997.3	TGT 4(Python 36 St Com #701H)	
19	16440.3	90.54	359.71	12338.9	4008.2	-363.3	2.00	0.39	4024.3		
20	17170.1	90.54	359.71	12332.0	4738.0	-367.0	0.00	0.00	4752.2	PBHL(Python 36 St Com #701H)	

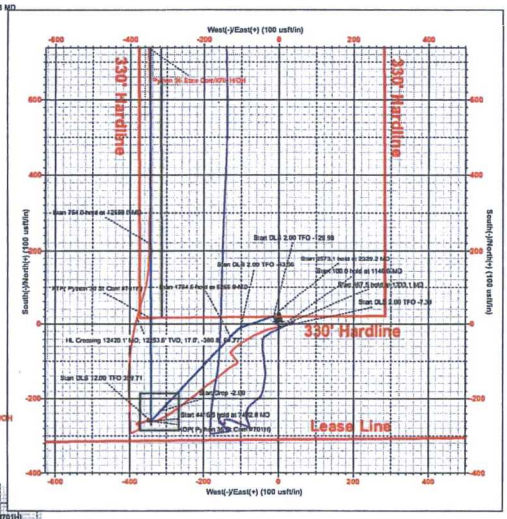
CASING DETAILS

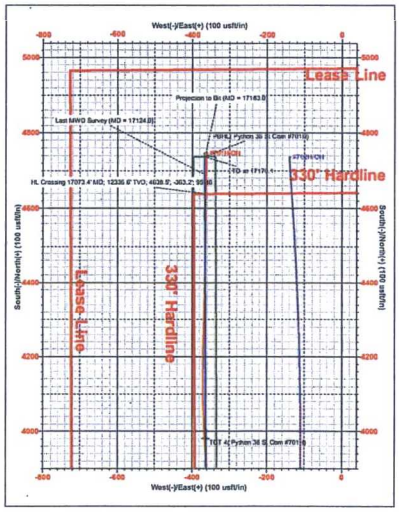
No casing data is available

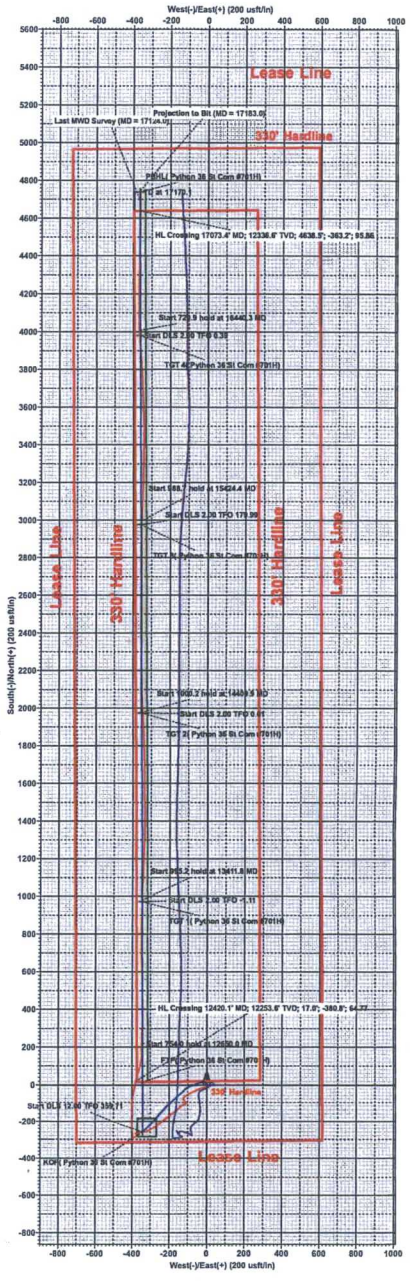
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

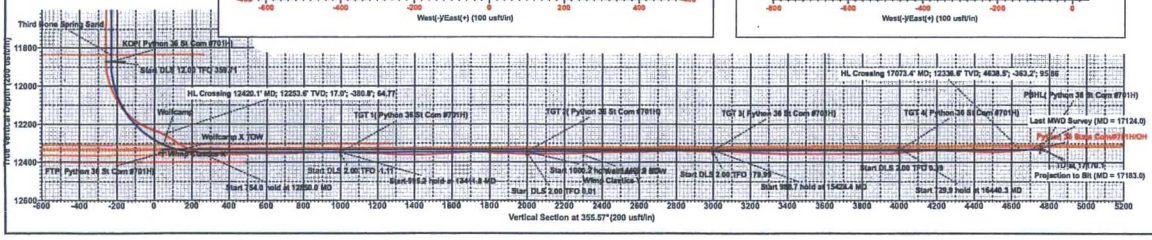
Name	TVD	+N/-S	+E/-W	Northing	Easting
TGT 1(Python 36 St Com #701H)	12348.0	972.0	-347.9	426420.00	757180.10
TGT 2(Python 36 St Com #701H)	12344.0	1975.0	-353.0	427423.00	757175.00
TGT 3(Python 36 St Com #701H)	12339.0	2978.0	-358.1	428426.00	757169.90
TGT 4(Python 36 St Com #701H)	12339.0	3981.1	-363.2	429429.10	757164.80
PBHL(Python 36 St Com #701H)	12332.0	4738.0	-367.0	430186.00	757161.00
FTP(Python 36 St Com #701H)	12349.0	17.0	-343.0	425465.00	757185.00
KOP(Python 36 St Com #701H)	11871.5	-260.1	-341.7	425187.89	757186.30

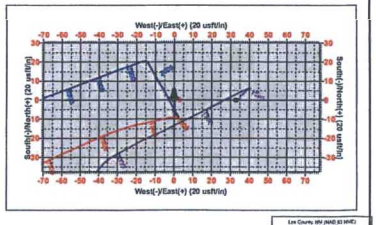












Lea County, NM (NAD 83 NME)
Python 36 State Com
#701H
HP 379
Plan #1
15:15, April 02 2018

eog resources

EOG Resources - Midland

Lea County, NM (NAD 83 NME)
Python 36 State Com
#701H
OH

Survey: Total MWD

Midland PVA

02 April, 2018

eog resources

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #701H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 25 @ 3583.0usft (HP 379)
Site:	Python 36 State Com	**MD Reference:**	KB = 25 @ 3583.0usft (HP 379)
Well:	#701H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.14

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 Python 36 State Com

Site Position:		**Northing:**	425,448.00 usft	**Latitude:**	32° 10' 3.739 N
From:	Map	**Easting:**	757,528.00 usft	**Longitude:**	103° 38' 4.742 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.37 °

Well #701H

Well Position	**+N/-S**	0.0 usft	**Northing:**	425,448.00 usft	**Latitude:**	32° 10' 3.739 N
	+E/-W	0.0 usft	**Easting:**	757,528.00 usft	**Longitude:**	103° 38' 4.742 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,558.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/4/2018	6.92	59.99	47,840.45257033

Design OH

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	355.57

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #701H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 25 @ 3583.0usft (HP 379)
Site:	Python 36 State Com	**MD Reference:**	KB = 25 @ 3583.0usft (HP 379)
Well:	#701H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.14

Survey Program Date 4/2/2018

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
227.0	1,146.0	Olebrook MWD (OH)	MWD	OWSG MWD - Standard
1,170.0	17,183.0	Total MWD (OH)	MWD	OWSG MWD - Standard

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
1,146.0	0.26	336.43	1,145.9	-8.9	2.5	0.00	0.00	0.00	0.0	0.0
1,170.0	0.40	312.90	1,169.9	-8.8	2.4	0.80	0.58	-98.03	0.0	0.0
1,357.0	2.90	258.40	1,356.8	-9.3	-2.7	1.44	1.34	-29.14	-4.3	2.2
1,544.0	3.00	257.10	1,543.6	-11.3	-12.1	0.06	0.05	-0.70	-12.0	8.3
1,732.0	3.20	257.90	1,731.3	-13.5	-22.0	0.11	0.11	0.43	-20.1	14.7
1,826.0	3.40	251.50	1,825.2	-15.0	-27.3	0.45	0.21	-6.81	-26.3	15.3
1,920.0	3.30	251.90	1,919.0	-16.7	-32.5	0.11	-0.11	0.43	-31.0	18.7
2,109.0	3.60	245.40	2,107.7	-20.9	-43.0	0.26	0.16	-3.44	-43.7	21.1
2,203.0	3.70	245.60	2,201.5	-23.3	-48.5	0.11	0.11	0.21	-49.3	24.5
2,297.0	3.70	247.60	2,295.3	-25.7	-54.0	0.14	0.00	2.13	-52.9	28.4
2,391.0	3.70	247.20	2,389.1	-28.1	-59.6	0.03	0.00	-0.43	-56.0	28.3
2,485.0	3.60	245.70	2,482.9	-30.5	-65.1	0.15	-0.11	-1.60	-59.5	26.9
2,579.0	3.70	242.40	2,576.7	-33.1	-70.5	0.25	0.11	-3.51	-63.7	23.7
2,673.0	3.70	240.80	2,670.5	-36.0	-75.8	0.11	0.00	-1.70	-67.1	22.4
2,767.0	3.50	240.80	2,764.3	-38.9	-81.0	0.21	-0.21	0.00	-69.8	22.9
2,862.0	3.30	238.20	2,859.1	-41.7	-85.9	0.27	-0.21	-2.74	-73.1	20.3
2,956.0	3.30	237.40	2,953.0	-44.6	-90.4	0.05	0.00	-0.85	-75.6	19.9
3,050.0	3.30	237.20	3,046.8	-47.5	-95.0	0.01	0.00	-0.21	-77.9	20.4
3,144.0	3.10	236.60	3,140.7	-50.4	-99.4	0.22	-0.21	-0.64	-80.2	20.3
3,238.0	3.10	234.20	3,234.5	-53.3	-103.6	0.14	0.00	-2.55	-82.9	17.7
3,425.0	3.30	228.40	3,421.3	-59.8	-111.7	0.20	0.11	-3.10	-88.6	11.1

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #701H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 25 @ 3583.0usft (HP 379)
Site:	Python 36 State Com	**MD Reference:**	KB = 25 @ 3583.0usft (HP 379)
Well:	#701H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.14

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
3,519.0	3.20	226.00	3,515.1	-63.4	-115.6	0.18	-0.11	-2.55	-91.3	8.6
3,614.0	2.70	226.80	3,610.0	-66.8	-119.1	0.53	-0.53	0.84	-93.0	11.3
3,801.0	1.20	211.80	3,796.9	-71.5	-123.4	0.84	-0.80	-8.02	-93.9	-10.3
3,895.0	1.00	213.30	3,890.8	-73.0	-124.3	0.21	-0.21	1.60	-93.3	-5.9
3,989.0	1.00	218.10	3,984.8	-74.3	-125.3	0.09	0.00	5.11	-92.3	3.8
4,084.0	1.00	229.00	4,079.8	-75.5	-126.4	0.20	0.00	11.47	-88.5	22.5
4,177.0	0.80	232.10	4,172.8	-76.5	-127.6	0.22	-0.22	3.33	-85.5	28.3
4,271.0	0.90	166.80	4,266.8	-77.6	-127.9	0.98	0.11	-69.47	-62.1	-63.2
4,366.0	1.30	141.90	4,361.8	-79.1	-127.1	0.65	0.42	-26.21	-32.5	-80.6
4,460.0	1.60	142.20	4,455.8	-81.0	-125.6	0.32	0.32	0.32	-36.3	-77.3
4,554.0	2.70	142.00	4,549.7	-83.8	-123.5	1.17	1.17	-0.21	-40.6	-74.3
4,648.0	3.70	141.60	4,643.5	-87.9	-120.2	1.06	1.06	-0.43	-46.3	-71.5
4,743.0	4.10	141.40	4,738.3	-93.0	-116.2	0.42	0.42	-0.21	-53.5	-68.5
4,791.0	3.80	142.30	4,786.2	-95.6	-114.1	0.64	-0.62	1.87	-58.4	-66.1
4,911.0	3.10	148.10	4,906.0	-101.5	-110.0	0.65	-0.58	4.83	-72.9	-55.3
5,006.0	1.80	221.00	5,000.9	-104.8	-109.6	3.26	-1.37	76.74	-71.8	57.3
5,100.0	1.90	242.60	5,094.9	-106.6	-112.0	0.74	0.11	22.98	-40.7	78.5
5,194.0	3.70	242.70	5,188.7	-108.7	-116.0	1.91	1.91	0.11	-34.6	75.3
5,288.0	4.30	242.40	5,282.5	-111.8	-121.9	0.64	0.64	-0.32	-28.3	70.7
5,382.0	4.90	233.60	5,376.2	-115.8	-128.2	0.98	0.64	-9.36	-31.7	62.4
5,477.0	5.40	231.40	5,470.8	-121.0	-135.0	0.57	0.53	-2.32	-27.8	58.9
5,571.0	5.50	230.50	5,564.4	-126.6	-141.9	0.14	0.11	-0.96	-22.9	56.6
5,666.0	5.70	230.30	5,659.0	-132.5	-149.1	0.21	0.21	-0.21	-17.6	54.7
5,759.0	5.30	229.80	5,751.5	-138.2	-155.9	0.43	-0.43	-0.54	-12.4	52.9
5,854.0	5.40	229.30	5,846.1	-144.0	-162.6	0.12	0.11	-0.53	-6.9	51.2
5,948.0	5.20	232.70	5,939.7	-149.4	-169.4	0.40	-0.21	3.62	2.1	49.4
6,042.0	5.00	233.20	6,033.3	-154.5	-176.0	0.22	-0.21	0.53	8.7	46.9

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #701H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 25 @ 3583.0usft (HP 379)
Site:	Python 36 State Com	**MD Reference:**	KB = 25 @ 3583.0usft (HP 379)
Well:	#701H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.14

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
6,137.0	5.00	233.10	6,128.0	-159.4	-182.7	0.01	0.00	-0.11	15.1	44.4
6,231.0	4.90	234.40	6,221.6	-164.2	-189.2	0.16	-0.11	1.38	22.5	41.3
6,325.0	4.80	233.10	6,315.3	-168.9	-195.6	0.16	-0.11	-1.38	28.2	39.3
6,419.0	4.70	233.00	6,409.0	-173.6	-201.8	0.11	-0.11	-0.11	34.9	36.9
6,513.0	4.50	231.20	6,502.7	-178.2	-207.8	0.26	-0.21	-1.91	40.8	35.9
6,607.0	4.10	231.80	6,596.4	-182.6	-213.3	0.43	-0.43	0.64	48.8	33.4
6,701.0	4.10	231.90	6,690.2	-186.8	-218.6	0.01	0.00	0.11	56.8	31.1
6,795.0	6.10	232.30	6,783.8	-191.9	-225.2	2.13	2.13	0.43	63.3	28.4
6,889.0	6.40	232.80	6,877.2	-198.1	-233.3	0.32	0.32	0.53	67.9	25.5
6,984.0	6.20	231.70	6,971.7	-204.5	-241.5	0.25	-0.21	-1.16	71.7	24.6
7,078.0	6.20	231.80	7,065.1	-210.8	-249.5	0.01	0.00	0.11	75.8	22.3
7,172.0	5.90	232.30	7,158.6	-216.9	-257.3	0.32	-0.32	0.53	77.6	19.9
7,266.0	5.70	231.60	7,252.1	-222.7	-264.8	0.23	-0.21	-0.74	76.2	19.6
7,360.0	5.40	236.40	7,345.7	-228.1	-272.2	0.59	-0.32	5.11	73.6	12.3
7,454.0	5.00	233.70	7,439.3	-233.0	-279.1	0.50	-0.43	-2.87	66.4	15.2
7,548.0	4.40	232.30	7,533.0	-237.6	-285.3	0.65	-0.64	-1.49	58.4	16.7
7,643.0	5.30	241.40	7,627.6	-241.9	-292.0	1.24	0.95	9.58	52.3	7.8
7,737.0	5.10	241.70	7,721.2	-246.0	-299.5	0.21	-0.21	0.32	43.8	7.6
7,831.0	4.80	241.60	7,814.9	-249.8	-306.7	0.32	-0.32	-0.11	35.7	7.7
7,925.0	4.20	242.10	7,908.6	-253.3	-313.2	0.64	-0.64	0.53	28.4	7.4
8,019.0	4.20	242.40	8,002.3	-256.5	-319.3	0.02	0.00	0.32	21.6	7.2
8,113.0	1.80	248.60	8,096.2	-258.7	-323.7	2.57	-2.55	6.60	17.3	5.2
8,208.0	1.10	262.20	8,191.2	-259.3	-326.0	0.82	-0.74	14.32	15.7	1.4
8,302.0	1.50	261.30	8,285.1	-259.6	-328.1	0.43	0.43	-0.96	13.5	1.6
8,397.0	1.60	261.80	8,380.1	-260.0	-330.6	0.11	0.11	0.53	11.0	1.5
8,490.0	1.80	255.00	8,473.1	-260.6	-333.3	0.31	0.22	-7.31	8.0	2.6
8,585.0	1.90	259.10	8,568.0	-261.3	-336.3	0.17	0.11	4.32	5.1	2.1

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #701H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 25 @ 3583.0usft (HP 379)
Site:	Python 36 State Com	**MD Reference:**	KB = 25 @ 3583.0usft (HP 379)
Well:	#701H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.14

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
8,679.0	0.80	286.00	8,662.0	-261.4	-338.5	1.32	-1.17	28.62	3.5	0.3
8,774.0	0.90	323.50	8,757.0	-260.6	-339.5	0.58	0.11	39.47	1.7	-1.4
8,868.0	1.10	306.90	8,851.0	-259.4	-340.7	0.37	0.21	-17.66	0.4	-1.1
8,963.0	1.30	310.30	8,945.9	-258.2	-342.3	0.22	0.21	3.58	-1.7	-1.1
9,056.0	1.40	315.60	9,038.9	-256.7	-343.9	0.17	0.11	5.70	-3.9	-0.8
9,151.0	1.50	301.00	9,133.9	-255.2	-345.7	0.40	0.11	-15.37	-6.0	-2.1
9,245.0	1.50	252.70	9,227.9	-255.0	-348.0	1.31	0.00	-51.38	-4.5	-6.8
9,336.0	2.40	229.30	9,318.8	-256.6	-350.5	1.30	0.99	-25.71	-4.4	-8.5
9,433.0	3.10	237.00	9,415.7	-259.3	-354.3	0.81	0.72	7.94	-10.1	-7.5
9,527.0	2.80	245.40	9,509.6	-261.7	-358.5	0.56	-0.32	8.94	-15.9	-5.6
9,621.0	2.50	247.40	9,603.5	-263.4	-362.5	0.33	-0.32	2.13	-20.5	-4.9
9,716.0	2.60	264.50	9,698.4	-264.4	-366.5	0.80	0.11	18.00	-25.1	1.9
9,810.0	2.60	287.00	9,792.3	-264.0	-370.7	1.08	0.00	23.94	-26.6	12.2
9,903.0	1.90	267.00	9,885.2	-263.5	-374.3	1.12	-0.75	-21.51	-32.7	1.6
9,997.0	1.80	239.90	9,979.2	-264.3	-377.1	0.93	-0.11	-28.83	-32.7	-14.2
10,092.0	1.70	240.30	10,074.1	-265.7	-379.6	0.11	-0.11	0.42	-35.7	-13.9
10,187.0	0.70	238.40	10,169.1	-266.7	-381.3	1.05	-1.05	-2.00	-37.2	-15.1
10,282.0	0.80	245.40	10,264.1	-267.3	-382.4	0.14	0.11	7.37	-40.0	-10.4
10,376.0	0.50	45.90	10,358.1	-267.3	-382.7	1.36	-0.32	170.74	34.5	23.4
10,470.0	1.00	90.80	10,452.1	-267.0	-381.6	0.78	0.53	47.77	39.8	-7.5
10,564.0	1.00	119.80	10,546.1	-267.4	-380.1	0.53	0.00	30.85	29.7	-25.4
10,658.0	1.40	119.10	10,640.0	-268.4	-378.4	0.43	0.43	-0.74	28.0	-25.1
10,752.0	1.10	126.70	10,734.0	-269.5	-376.6	0.36	-0.32	8.09	22.4	-28.4
10,847.0	1.50	154.90	10,829.0	-271.2	-375.4	0.78	0.42	29.68	4.3	-35.2
10,940.0	1.40	166.00	10,922.0	-273.4	-374.6	0.32	-0.11	11.94	-4.9	-35.1
11,034.0	2.10	176.40	11,015.9	-276.2	-374.2	0.81	0.74	11.06	-14.0	-33.5
11,125.0	2.00	186.00	11,106.9	-279.5	-374.3	0.39	-0.11	10.55	-22.6	-30.4

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #701H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 25 @ 3583.0usft (HP 379)
Site:	Python 36 State Com	**MD Reference:**	KB = 25 @ 3583.0usft (HP 379)
Well:	#701H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.14

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
11,222.0	1.50	217.00	11,203.8	-282.2	-375.2	1.08	-0.52	31.96	-37.8	-13.5
11,313.0	2.40	241.80	11,294.8	-284.0	-377.6	1.33	0.99	27.25	-42.9	4.1
11,411.0	2.60	240.80	11,392.7	-286.1	-381.4	0.21	0.20	-1.02	-47.3	3.3
11,505.0	2.50	249.70	11,486.6	-287.8	-385.1	0.43	-0.11	9.47	-50.3	10.9
11,599.0	3.00	245.50	11,580.5	-289.5	-389.3	0.57	0.53	-4.47	-55.5	7.1
11,694.0	2.10	241.80	11,675.4	-291.4	-393.1	0.96	-0.95	-3.89	-60.1	3.3
11,813.0	1.20	251.90	11,794.3	-292.8	-396.2	0.79	-0.76	8.49	-62.0	14.2
11,907.0	2.60	341.90	11,888.3	-291.1	-397.8	3.05	1.49	95.74	12.3	63.0
11,954.0	10.10	3.00	11,935.0	-286.0	-397.9	16.45	15.96	44.89	32.7	54.6
12,002.0	16.90	0.50	11,981.6	-274.8	-397.6	14.22	14.17	-5.21	27.2	55.7
12,049.0	24.30	357.80	12,025.6	-258.2	-397.9	15.87	15.74	-5.74	20.4	56.9
12,096.0	31.50	357.70	12,067.1	-236.3	-398.8	15.32	15.32	-0.21	14.4	57.5
12,143.0	36.20	356.80	12,106.1	-210.1	-400.1	10.06	10.00	-1.91	7.5	58.5
12,191.0	43.50	357.30	12,142.9	-179.4	-401.6	15.22	15.21	1.04	1.2	59.6
12,236.0	53.10	0.40	12,172.9	-145.9	-402.3	21.94	21.33	6.89	-5.1	60.0
12,283.0	60.40	3.50	12,198.6	-106.7	-400.9	16.48	15.53	6.60	-14.7	59.1
12,330.0	68.60	8.00	12,218.8	-64.5	-396.6	19.46	17.45	9.57	-26.0	56.1
12,377.0	67.80	10.90	12,236.3	-21.5	-389.4	5.98	-1.70	6.17	-37.3	50.0
12,424.0	64.50	14.80	12,255.3	20.4	-379.9	10.34	-7.02	8.30	-42.1	41.4
12,472.0	59.30	18.50	12,277.9	61.0	-367.8	12.79	-10.83	7.71	-38.8	29.4
12,519.0	60.50	14.10	12,301.5	100.0	-356.4	8.49	2.55	-9.36	-30.7	15.3
12,566.0	64.00	5.10	12,323.4	141.0	-349.5	18.50	7.45	-19.15	-19.0	6.3
12,613.0	71.80	359.00	12,341.1	184.4	-348.0	20.49	16.60	-12.98	-6.7	4.2
12,660.0	81.80	359.90	12,351.8	230.1	-348.4	21.36	21.28	1.91	2.8	4.3
12,707.0	89.30	3.60	12,355.4	276.9	-347.0	17.78	15.96	7.87	6.6	2.6
12,754.0	89.50	2.20	12,355.9	323.9	-344.6	3.01	0.43	-2.98	7.1	0.0
12,796.0	91.70	0.10	12,355.5	365.8	-343.8	7.24	5.24	-5.00	6.7	-1.1

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #701H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 25 @ 3583.0usft (HP 379)
Site:	Python 36 State Com	**MD Reference:**	KB = 25 @ 3583.0usft (HP 379)
Well:	#701H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.14

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
12,891.0	89.20	359.20	12,354.8	460.8	-344.4	2.80	-2.63	-0.95	6.1	-1.0
12,985.0	90.10	358.80	12,355.3	554.8	-346.0	1.05	0.96	-0.43	6.8	0.2
13,079.0	91.00	358.30	12,354.4	648.8	-348.4	1.10	0.96	-0.53	6.0	2.1
13,174.0	92.60	359.20	12,351.4	743.7	-350.5	1.93	1.68	0.95	3.2	3.7
13,268.0	92.50	0.80	12,347.3	837.6	-350.5	1.70	-0.11	1.70	-0.9	3.2
13,363.0	89.50	2.00	12,345.6	932.5	-348.1	3.40	-3.16	1.26	-2.4	0.4
13,457.0	88.10	1.70	12,347.6	1,026.5	-345.1	1.52	-1.49	-0.32	-0.2	-3.1
13,552.0	87.60	2.40	12,351.1	1,121.3	-341.7	0.91	-0.53	0.74	3.7	-7.0
13,646.0	86.80	1.90	12,355.7	1,215.2	-338.2	1.00	-0.85	-0.53	8.7	-11.0
13,740.0	88.50	1.30	12,359.6	1,309.0	-335.6	1.92	1.81	-0.64	12.9	-14.1
13,834.0	90.00	359.90	12,360.8	1,403.0	-334.6	2.18	1.60	-1.49	14.5	-15.5
13,929.0	94.20	359.30	12,357.3	1,497.9	-335.2	4.47	4.42	-0.63	11.4	-15.3
14,024.0	93.40	359.30	12,351.0	1,592.7	-336.4	0.84	-0.84	0.00	5.5	-14.7
14,119.0	91.90	359.70	12,346.6	1,687.6	-337.2	1.63	-1.58	0.42	1.5	-14.3
14,213.0	85.20	357.80	12,349.0	1,781.5	-339.3	7.41	-7.13	-2.02	4.3	-12.7
14,308.0	88.60	358.10	12,354.2	1,876.3	-342.7	3.59	3.58	0.32	9.8	-9.8
14,403.0	88.30	357.90	12,356.7	1,971.2	-346.0	0.38	-0.32	-0.21	12.7	-7.0
14,497.0	92.00	358.70	12,356.5	2,065.1	-348.8	4.03	3.94	0.85	12.9	-4.7
14,591.0	89.90	357.90	12,354.9	2,159.1	-351.6	2.39	-2.23	-0.85	11.8	-2.4
14,686.0	93.80	359.50	12,351.9	2,254.0	-353.7	4.44	4.11	1.68	9.2	-0.7
14,780.0	90.70	1.30	12,348.2	2,347.9	-353.1	3.81	-3.30	1.92	6.0	-1.8
14,874.0	90.00	0.00	12,347.6	2,441.9	-352.0	1.57	-0.74	-1.38	5.9	-3.4
14,969.0	91.30	358.90	12,346.5	2,536.8	-352.9	1.79	1.37	-1.16	5.3	-3.0
15,063.0	91.70	359.30	12,344.1	2,630.8	-354.4	0.60	0.43	0.43	3.3	-2.0
15,157.0	92.00	0.30	12,341.0	2,724.7	-354.7	1.11	0.32	1.06	0.8	-2.1
15,251.0	87.40	0.80	12,341.5	2,818.7	-353.8	4.92	-4.89	0.53	1.7	-3.5
15,345.0	89.80	359.70	12,343.8	2,912.7	-353.4	2.81	2.55	-1.17	4.5	-4.4

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #701H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 25 @ 3583.0usft (HP 379)
Site:	Python 36 State Com	**MD Reference:**	KB = 25 @ 3583.0usft (HP 379)
Well:	#701H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.14

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
15,439.0	91.30	1.00	12,342.9	3,006.7	-352.8	2.11	1.60	1.38	3.9	-5.4
15,533.0	86.90	2.80	12,344.4	3,100.6	-349.7	5.06	-4.68	1.91	5.4	-9.0
15,627.0	86.90	1.80	12,349.5	3,194.4	-345.9	1.06	0.00	-1.06	10.5	-13.3
15,721.0	87.90	1.30	12,353.7	3,288.2	-343.4	1.19	1.06	-0.53	14.7	-16.3
15,815.0	88.80	0.80	12,356.4	3,382.2	-341.7	1.10	0.96	-0.53	17.5	-18.5
15,909.0	90.90	359.70	12,356.7	3,476.2	-341.3	2.52	2.23	-1.17	17.7	-19.4
16,003.0	89.50	357.90	12,356.4	3,570.1	-343.2	2.43	-1.49	-1.91	17.4	-17.9
16,098.0	90.60	357.90	12,356.3	3,665.1	-346.7	1.16	1.16	0.00	17.3	-14.9
16,192.0	91.00	357.40	12,355.0	3,759.0	-350.6	0.68	0.43	-0.53	16.0	-11.5
16,286.0	88.90	355.10	12,355.0	3,852.8	-356.7	3.31	-2.23	-2.45	16.1	-5.8
16,380.0	94.10	355.80	12,352.6	3,946.4	-364.2	5.58	5.53	0.74	13.6	1.1
16,474.0	94.70	357.80	12,345.4	4,040.0	-369.4	2.22	0.64	2.13	6.8	5.9
16,568.0	92.80	359.10	12,339.2	4,133.7	-371.9	2.45	-2.02	1.38	1.5	8.0
16,663.0	88.00	2.00	12,338.6	4,228.7	-371.0	5.90	-5.05	3.05	1.8	6.6
16,756.0	88.80	1.50	12,341.2	4,321.6	-368.2	1.01	0.86	-0.54	5.2	3.3
16,851.0	86.30	1.00	12,345.2	4,416.5	-366.1	2.68	-2.63	-0.53	10.2	0.7
16,944.0	93.10	0.70	12,345.7	4,509.4	-364.7	7.32	7.31	-0.32	11.5	-1.1
17,039.0	94.20	0.70	12,339.7	4,604.2	-363.6	1.16	1.16	0.00	6.4	-2.8
17,124.0	98.30	0.10	12,330.4	4,688.7	-363.0	4.87	4.82	-0.71	-2.0	-3.8
17,183.0	98.30	0.10	12,321.9	4,747.1	-362.9	0.00	0.00	0.00	-12.8	-6.1

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #701H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 25 @ 3583.0usft (HP 379)
Site:	Python 36 State Com	**MD Reference:**	KB = 25 @ 3583.0usft (HP 379)
Well:	#701H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 5000.14

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
12,420.1	12,253.6	17.0	-380.8	HL Crossing 12420.1' MD; 12253.6' TVD; 17.0'; -380.8'; 64.77
17,073.4	12,336.6	4,638.5	-363.2	HL Crossing 17073.4' MD; 12336.6' TVD; 4638.5'; -363.2'; 95.86
17,124.0	12,330.4	4,688.7	-363.0	Last MWD Survey (MD = 17124.0)
17,183.0	12,321.9	4,747.1	-362.9	Projection to Bit (MD = 17183.0)

Checked By: _____ Approved By: _____ Date: _____