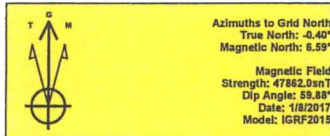


HOBBS OCD
JUL 24 2017
RECEIVED



Lea County, NM (NAD 27 NME)
Rattlesnake 28 Fed Com #706H
H&P 610
Plan #1



To convert a Magnetic Direction to a Grid Direction, Add 6.59°
To convert a Magnetic Direction to a True Direction, Add 6.59° East
To convert a True Direction to a Grid Direction, Subtract 0.40°

PROJECT DETAILS: Lea County, NM (NAD 27 NME)
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

WELL DETAILS: #706H
Ground Level: 3244.0
KB = 25' @ 3269.0usft (H&P 610)
Northing: 371646.00 Easting: 733843.00 Latitude: 32° 1' 10.289 N Longitude: 103° 34' 43.818 W

SECTION DETAILS

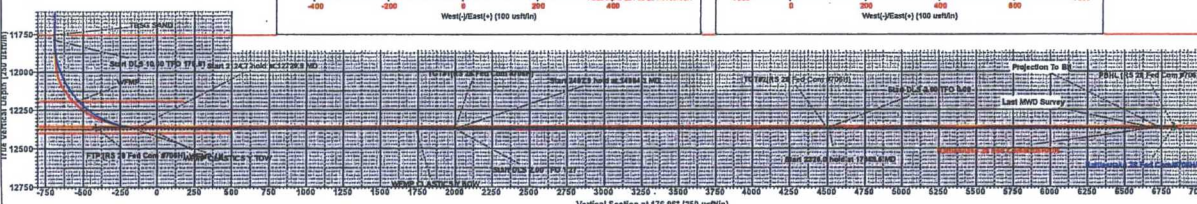
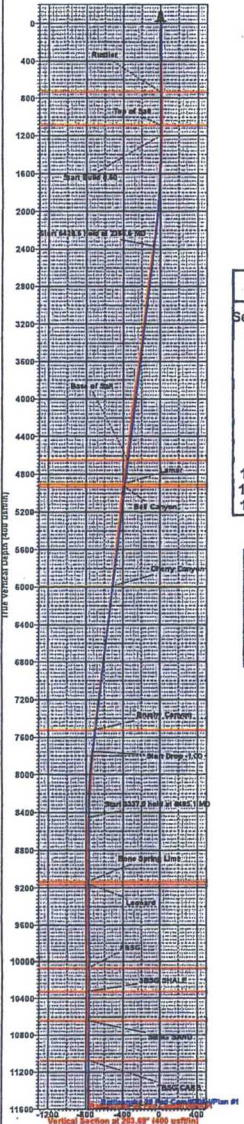
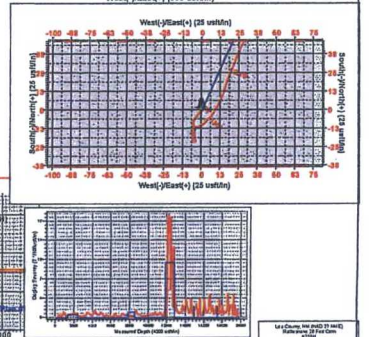
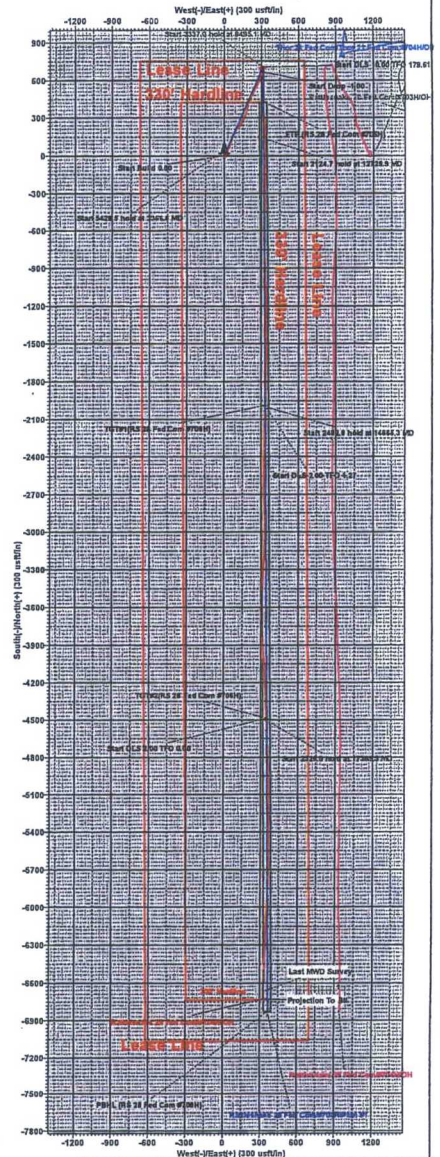
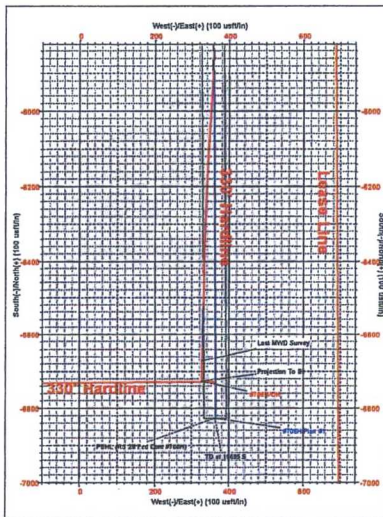
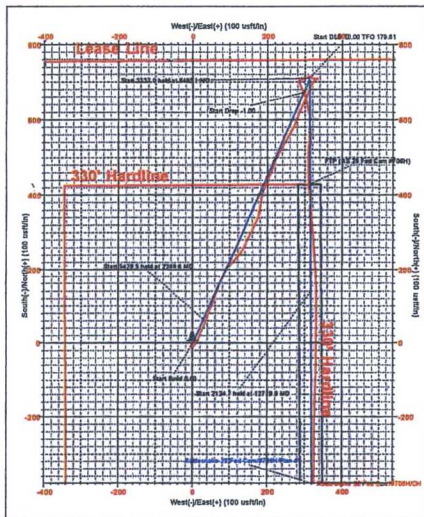
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.00	0.0	
2	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	2366.6	7.00	23.69	2363.7	65.2	28.6	0.60	23.69	-63.6	
4	7795.1	7.00	23.69	7751.8	671.0	294.3	0.00	0.00	-654.4	
5	8495.1	0.00	0.00	8450.0	710.1	311.5	1.00	180.00	-692.6	
6	11832.1	0.00	0.00	11787.0	710.1	311.5	0.00	0.00	-692.6	
7	12729.9	89.78	179.61	12360.0	139.3	315.4	10.00	179.61	-122.4	
8	14854.3	89.78	179.61	12368.0	-1985.3	330.0	0.00	0.00	2000.0	TGT#1(RS 28 Fed Com #706H)
9	14864.3	89.98	179.61	12368.0	-1995.0	330.1	2.00	1.27	2009.7	
10	17357.3	89.98	179.61	12369.0	-4487.9	347.1	0.00	0.00	4500.0	TGT#2(RS 28 Fed Com #706H)
11	17369.5	90.22	179.61	12369.0	-4500.1	347.2	2.00	0.00	4512.2	
12	19695.5	90.22	179.61	12360.0	-6826.0	363.0	0.00	0.00	6835.6	PBHL (RS 28 Fed Com #706H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
TGT#1(RS 28 Fed Com #706H)	12368.0	-1985.3	330.0	369660.70	734173.05
TGT#2(RS 28 Fed Com #706H)	12369.0	-4487.9	347.1	367158.10	734190.08
PBHL (RS 28 Fed Com #706H)	12360.0	-6826.0	363.0	354820.00	734205.00
FTP (RS 28 Fed Com #706H)	12360.0	430.0	313.0	372076.00	734156.00





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Rattlesnake 28 Fed Com

#706H

OH

Design: OH

PVA

06 March, 2017



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Rattlesnake 28 Fed Com
Well: #706H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #706H
TVD Reference: KB = 25' @ 3269.0usft (H&P 610)
MD Reference: KB = 25' @ 3269.0usft (H&P 610)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Project Lea County, NM (NAD 27 NME)

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 Rattlesnake 28 Fed Com

Site Position:	Map	Northing:	371,679.00 usft	Latitude:	32° 1' 10.534 N
From:		Easting:	735,024.00 usft	Longitude:	103° 34' 30.097 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.40 °

Well #706H

Well Position	+N/-S	0.0 usft	Northing:	371,646.00 usft	Latitude:	32° 1' 10.289 N
	+E/-W	0.0 usft	Easting:	733,843.00 usft	Longitude:	103° 34' 43.816 W
Position Uncertainty:		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,244.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/8/2017	6.99	59.88	47,862

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	176.96

Survey Program Date 3/6/2017

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
198.0	19,629.0	Intrepid MWD #1 (OH)	MWD	MWD - Standard



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PVA

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Database: EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	
198.0	0.20	243.70	198.0	-0.2	-0.3	0.10	0.10	0.00	-0.3	0.0	
316.0	0.90	226.00	316.0	-0.9	-1.2	0.60	0.59	-15.00	-1.5	-0.2	
428.0	1.50	218.50	428.0	-2.6	-2.7	0.55	0.54	-6.70	-3.8	-0.5	
619.0	1.70	208.20	618.9	-7.1	-5.6	0.18	0.10	-5.39	-8.9	-1.6	
809.0	1.10	121.20	808.9	-10.5	-5.4	1.04	-0.32	-45.79	-0.9	-11.8	
994.0	0.40	85.30	993.8	-11.4	-3.2	0.44	-0.38	-19.41	4.1	-11.1	
1,156.0	0.60	68.60	1,155.8	-11.0	-1.9	0.15	0.12	-10.31	5.8	-9.6	
1,341.0	1.90	50.60	1,340.8	-8.7	1.4	0.73	0.70	-9.73	5.4	-8.1	
1,527.0	2.50	37.60	1,526.6	-3.6	6.3	0.42	0.32	-6.99	4.4	-8.5	
1,714.0	3.70	26.10	1,713.4	5.1	11.4	0.72	0.64	-6.15	4.2	-8.6	
1,901.0	5.20	16.40	1,899.8	18.6	16.5	0.89	0.80	-5.19	2.9	-7.3	
2,088.0	6.40	24.40	2,085.8	36.3	23.2	0.77	0.64	4.28	-1.4	-6.6	
2,275.0	7.90	23.10	2,271.4	57.6	32.5	0.81	0.80	-0.70	-5.4	-6.7	
2,461.0	7.40	21.40	2,455.7	80.5	41.9	0.30	-0.27	-0.91	-7.8	-6.3	
2,648.0	6.90	18.90	2,641.3	102.3	49.9	0.31	-0.27	-1.34	-8.0	-5.3	
2,834.0	6.50	20.80	2,826.0	122.7	57.3	0.25	-0.22	1.02	-7.2	-3.5	
3,023.0	7.10	19.70	3,013.7	143.7	65.0	0.32	0.32	-0.58	-6.6	-2.3	
3,209.0	6.30	18.60	3,198.4	164.2	72.2	0.44	-0.43	-0.59	-5.6	-0.6	
3,396.0	7.90	25.90	3,384.0	185.5	81.0	0.98	0.86	3.90	-5.9	0.5	
3,582.0	7.80	36.00	3,568.2	207.2	94.0	0.74	-0.05	5.43	-8.8	-1.0	
3,770.0	8.00	41.90	3,754.5	227.3	110.3	0.44	0.11	3.14	-12.9	-6.0	
3,958.0	8.40	37.50	3,940.5	247.9	127.4	0.40	0.21	-2.34	-17.0	-13.4	
4,145.0	7.30	20.10	4,125.8	269.9	139.8	1.39	-0.59	-9.30	-14.4	-20.5	
4,333.0	6.60	32.60	4,312.4	290.2	149.7	0.88	-0.37	6.65	-18.3	-17.9	
4,520.0	6.70	24.30	4,498.2	309.2	160.0	0.52	0.05	-4.44	-14.3	-22.1	
4,707.0	7.60	24.70	4,683.7	330.4	169.6	0.48	0.48	0.21	-15.0	-22.4	



EOG Resources, Inc.

PVA

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Site: Rattlesnake 28 Fed Com
Well: #706H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #706H
TVD Reference: KB = 25' @ 3269.0usft (H&P 610)
MD Reference: KB = 25' @ 3269.0usft (H&P 610)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (")	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
4,893.0	7.40	9.80	4,868.1	353.4	176.8	1.05	-0.11	-8.01	-10.6	-23.2
5,080.0	6.40	10.00	5,053.8	375.5	180.7	0.53	-0.53	0.11	-11.0	-17.7
5,267.0	6.10	9.40	5,239.7	395.6	184.1	0.16	-0.16	-0.32	-9.1	-12.3
5,454.0	6.20	18.20	5,425.6	415.0	188.9	0.51	0.05	4.71	-8.1	-7.1
5,642.0	6.60	24.30	5,612.4	434.5	196.5	0.42	0.21	3.24	-6.8	-5.3
5,829.0	6.30	23.00	5,798.3	453.7	204.9	0.18	-0.16	-0.70	-4.8	-5.5
6,017.0	6.60	21.80	5,985.1	473.2	213.0	0.17	0.16	-0.64	-2.9	-5.0
6,203.0	6.20	21.10	6,169.9	492.5	220.6	0.22	-0.22	-0.38	-0.9	-4.2
6,390.0	7.50	27.80	6,355.6	512.7	229.9	0.81	0.70	3.58	-0.9	-4.5
6,577.0	7.40	31.10	6,541.0	533.8	241.8	0.23	-0.05	1.76	-2.8	-6.7
6,765.0	6.80	29.40	6,727.5	553.9	253.5	0.34	-0.32	-0.90	-3.1	-9.4
6,952.0	6.90	29.30	6,913.2	573.4	264.4	0.05	0.05	-0.05	-2.7	-11.6
7,139.0	8.00	20.80	7,098.6	595.3	274.6	0.83	0.59	-4.55	-2.3	-12.4
7,325.0	7.10	22.60	7,283.0	618.0	283.6	0.50	-0.48	0.97	-4.5	-11.5
7,511.0	6.40	22.50	7,467.7	638.2	292.0	0.38	-0.38	-0.05	-3.6	-11.1
7,699.0	5.50	24.20	7,654.7	656.1	299.7	0.49	-0.48	0.90	-0.5	-10.8
7,886.0	4.70	21.70	7,841.0	671.4	306.2	0.44	-0.43	-1.34	5.4	-10.5
8,072.0	4.20	25.00	8,026.4	684.7	311.9	0.30	-0.27	1.77	7.2	-10.7
8,259.0	3.60	31.90	8,213.0	695.9	317.9	0.41	-0.32	3.69	3.9	-12.2
8,449.0	3.30	32.90	8,402.6	705.5	324.0	0.16	-0.16	0.53	-3.1	-13.0
8,635.0	1.50	78.10	8,588.5	710.5	329.3	1.33	-0.97	24.30	-17.5	-3.3
8,821.0	0.70	115.50	8,774.4	710.5	332.7	0.56	-0.43	20.11	-18.9	9.5
9,007.0	0.70	214.70	8,960.4	709.1	333.1	0.57	0.00	53.33	11.4	18.3
9,194.0	0.80	263.90	9,147.4	708.0	331.1	0.34	0.05	26.31	19.3	4.2
9,382.0	1.10	276.90	9,335.4	708.1	328.0	0.20	0.16	6.91	16.6	0.0
9,568.0	1.70	295.00	9,521.3	709.5	323.8	0.40	0.32	9.73	11.4	-4.6
9,755.0	1.90	292.20	9,708.3	711.8	318.4	0.12	0.11	-1.50	5.7	-4.2



EOG Resources, Inc.

PVA

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Project: Lea County, NM (NAD 27 NME)
Site: Rattlesnake 28 Fed Com
Well: #706H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #706H
TVD Reference: KB = 25' @ 3269.0usft (H&P 610)
MD Reference: KB = 25' @ 3269.0usft (H&P 610)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
9,941.0	0.80	307.50	9,894.2	713.8	314.5	0.62	-0.59	8.23	0.1	-4.7
10,127.0	0.40	13.90	10,080.2	715.2	313.6	0.40	-0.22	35.70	-5.4	-0.8
10,314.0	0.80	293.90	10,267.2	716.4	312.6	0.44	0.21	-42.78	-1.6	-6.2
10,500.0	1.40	251.90	10,453.1	716.2	309.2	0.52	0.32	-22.58	-0.3	-6.5
10,687.0	0.80	135.80	10,640.1	714.5	308.0	1.01	-0.32	-62.09	5.6	0.6
10,874.0	0.20	127.70	10,827.1	713.4	309.1	0.32	-0.32	-4.33	3.9	1.2
11,061.0	1.00	256.30	11,014.1	712.8	307.8	0.61	0.43	68.77	-3.0	-3.5
11,247.0	2.90	254.70	11,200.0	711.2	301.7	1.02	1.02	-0.86	-9.2	-3.6
11,434.0	2.30	254.60	11,386.8	708.9	293.5	0.32	-0.32	-0.05	-17.7	-3.7
11,620.0	2.00	267.70	11,572.7	707.8	286.7	0.31	-0.16	7.04	-24.9	1.3
11,716.0	1.40	252.70	11,668.6	707.4	283.9	0.77	-0.62	-15.62	-27.2	-5.6
11,809.0	1.00	174.50	11,761.6	706.3	282.9	1.66	-0.43	-84.09	-1.1	-28.9
11,902.0	0.90	168.00	11,854.6	704.7	283.1	0.16	-0.11	-6.99	4.6	-28.1
11,996.0	4.60	161.30	11,948.5	700.4	284.5	3.94	3.94	-7.13	20.8	-21.8
12,042.0	12.30	155.40	11,993.9	694.2	287.1	16.82	16.74	-12.83	29.4	-14.1
12,089.0	19.50	157.50	12,039.1	682.4	292.2	15.37	15.32	4.47	33.0	-8.5
12,135.0	27.50	161.50	12,081.3	665.2	298.5	17.72	17.39	8.70	34.1	-4.1
12,182.0	36.30	163.60	12,121.1	641.5	305.9	18.87	18.72	4.47	32.6	1.5
12,228.0	41.80	173.30	12,156.9	613.2	311.5	17.84	11.96	21.09	29.8	2.0
12,275.0	47.20	182.50	12,190.4	580.4	312.6	17.87	11.49	19.57	26.4	-0.8
12,321.0	49.30	183.90	12,221.1	546.1	310.7	5.10	4.57	3.04	23.3	-3.2
12,368.0	53.20	183.30	12,250.5	509.5	308.4	8.36	8.30	-1.28	21.4	-5.4
12,414.0	60.70	178.80	12,275.5	471.0	307.7	18.24	16.30	-9.78	18.8	-5.3
12,461.0	66.00	176.00	12,296.6	429.1	309.7	12.47	11.28	-5.96	14.5	-3.3
12,507.0	71.70	175.50	12,313.2	386.3	312.9	12.43	12.39	-1.09	9.3	-0.6
12,554.0	75.00	175.20	12,326.7	341.4	316.5	7.05	7.02	-0.64	4.0	2.6
12,601.0	75.80	174.70	12,338.5	296.1	320.5	1.99	1.70	-1.06	0.9	6.2



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Survey

MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
12,648.0	81.60	175.30	12,347.7	250.2	324.5	12.40	12.34	1.28	-1.1	9.9
12,702.0	88.30	177.20	12,352.5	196.6	328.0	12.89	12.41	3.52	-4.4	13.0
12,742.0	91.60	179.00	12,352.5	156.6	329.4	9.40	8.25	4.50	-7.1	14.1
12,773.0	90.30	180.00	12,352.0	125.6	329.6	5.29	-4.19	3.23	-8.0	14.1
12,867.0	89.00	179.90	12,352.6	31.6	329.7	1.39	-1.38	-0.11	-7.8	13.5
12,962.0	88.80	181.90	12,354.4	-63.3	328.2	2.12	-0.21	2.11	-6.3	11.4
13,054.0	88.20	181.20	12,356.8	-155.3	325.7	1.00	-0.65	-0.76	-4.3	8.3
13,146.0	87.70	180.30	12,360.1	-247.2	324.5	1.12	-0.54	-0.98	-1.3	6.4
13,240.0	88.40	180.30	12,363.3	-341.1	324.0	0.74	0.74	0.00	1.5	5.3
13,332.0	88.60	181.00	12,365.7	-433.1	323.0	0.79	0.22	0.76	3.6	3.6
13,426.0	89.50	180.60	12,367.3	-527.1	321.7	1.05	0.96	-0.43	4.8	1.7
13,520.0	90.50	180.00	12,367.3	-621.1	321.2	1.24	1.06	-0.64	4.4	0.5
13,613.0	88.40	179.60	12,368.2	-714.1	321.5	2.30	-2.26	-0.43	5.0	0.2
13,706.0	89.50	178.50	12,369.9	-807.0	323.1	1.67	1.18	-1.18	6.3	1.1
13,799.0	90.30	177.90	12,370.0	-900.0	326.0	1.08	0.86	-0.65	6.1	3.4
13,892.0	91.60	178.10	12,368.5	-992.9	329.2	1.41	1.40	0.22	4.2	6.0
13,986.0	88.50	177.70	12,368.4	-1,086.8	332.7	3.33	-3.30	-0.43	3.8	8.8
14,079.0	89.30	179.90	12,370.2	-1,179.8	334.6	2.52	0.86	2.37	5.2	10.1
14,173.0	90.90	179.40	12,370.0	-1,273.8	335.2	1.78	1.70	-0.53	4.7	10.0
14,267.0	91.90	179.40	12,367.7	-1,367.8	336.2	1.06	1.06	0.00	2.1	10.4
14,360.0	91.20	179.60	12,365.2	-1,460.7	337.0	0.78	-0.75	0.22	-0.8	10.5
14,454.0	90.50	180.30	12,363.8	-1,554.7	337.1	1.05	-0.74	0.74	-2.6	10.0
14,548.0	87.30	181.10	12,365.6	-1,648.7	335.9	3.51	-3.40	0.85	-1.1	8.2
14,641.0	88.90	181.30	12,368.7	-1,741.6	334.0	1.73	1.72	0.22	1.6	5.6
14,734.0	89.20	181.20	12,370.2	-1,834.6	331.9	0.34	0.32	-0.11	2.8	2.9
14,828.0	89.10	181.00	12,371.6	-1,928.5	330.1	0.24	-0.11	-0.21	3.9	0.5
14,922.0	90.40	181.30	12,372.0	-2,022.5	328.3	1.42	1.38	0.32	4.0	-2.0



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Rattlesnake 28 Fed Com
Well: #706H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #706H
TVD Reference: KB = 25' @ 3269.0usft (H&P 610)
MD Reference: KB = 25' @ 3269.0usft (H&P 610)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
15,016.0	91.30	182.70	12,370.7	-2,116.4	325.0	1.77	0.96	1.49	2.6	-6.0
15,109.0	89.60	181.20	12,369.9	-2,209.4	321.8	2.44	-1.83	-1.61	1.8	-9.8
15,202.0	88.70	180.30	12,371.3	-2,302.4	320.6	1.37	-0.97	-0.97	3.2	-11.6
15,295.0	88.90	180.30	12,373.3	-2,395.3	320.1	0.22	0.22	0.00	5.1	-12.7
15,388.0	88.70	181.10	12,375.2	-2,488.3	319.0	0.89	-0.22	0.86	7.0	-14.5
15,481.0	91.10	179.10	12,375.4	-2,581.3	318.8	3.36	2.58	-2.15	7.1	-15.3
15,575.0	91.50	179.00	12,373.2	-2,675.3	320.4	0.44	0.43	-0.11	4.9	-14.4
15,668.0	91.30	178.70	12,371.0	-2,768.2	322.2	0.39	-0.22	-0.32	2.6	-13.1
15,761.0	91.60	178.90	12,368.6	-2,861.2	324.2	0.39	0.32	0.22	0.2	-11.8
15,854.0	91.90	179.50	12,365.8	-2,954.1	325.5	0.72	0.32	0.65	-2.6	-11.2
15,948.0	89.00	180.90	12,365.0	-3,048.1	325.2	3.43	-3.09	1.49	-3.4	-12.1
16,041.0	90.60	182.20	12,365.4	-3,141.1	322.6	2.22	1.72	1.40	-3.1	-15.3
16,135.0	89.50	182.50	12,365.3	-3,235.0	318.8	1.21	-1.17	0.32	-3.3	-19.8
16,228.0	90.20	183.30	12,365.5	-3,327.9	314.1	1.14	0.75	0.86	-3.0	-25.1
16,322.0	89.60	182.80	12,365.7	-3,421.7	309.1	0.83	-0.64	-0.53	-2.9	-30.8
16,416.0	90.80	182.30	12,365.3	-3,515.6	304.9	1.38	1.28	-0.53	-3.3	-35.6
16,478.0	88.90	181.60	12,365.5	-3,577.6	302.8	3.27	-3.06	-1.13	-3.2	-38.1
16,572.0	89.60	177.60	12,366.7	-3,671.6	303.4	4.32	0.74	-4.26	-1.9	-38.1
16,665.0	90.80	177.40	12,366.4	-3,764.5	307.5	1.31	1.29	-0.22	-2.3	-34.7
16,760.0	91.80	177.40	12,364.3	-3,859.3	311.8	1.05	1.05	0.00	-4.5	-31.0
16,854.0	89.90	176.80	12,362.9	-3,953.2	316.6	2.12	-2.02	-0.64	-5.9	-26.9
16,946.0	89.60	176.20	12,363.3	-4,045.0	322.2	0.73	-0.33	-0.65	-5.6	-21.9
17,040.0	90.10	176.30	12,363.5	-4,138.8	328.3	0.54	0.53	0.11	-5.4	-16.4
17,134.0	89.20	176.80	12,364.1	-4,232.7	334.0	1.10	-0.96	0.53	-4.8	-11.4
17,227.0	89.80	178.70	12,364.9	-4,325.6	337.6	2.14	0.65	2.04	-4.0	-8.3
17,320.0	90.20	178.00	12,364.9	-4,418.5	340.3	0.87	0.43	-0.75	-4.1	-6.3
17,413.0	91.00	178.40	12,363.9	-4,511.5	343.2	0.96	0.86	0.43	-5.0	-4.0



EOG Resources, Inc.
PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Rattlesnake 28 Fed Com
Well: #706H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #706H
TV Reference: KB = 25' @ 3269.0usft (H&P 610)
MD Reference: KB = 25' @ 3269.0usft (H&P 610)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
17,507.0	91.50	178.40	12,361.9	-4,605.4	345.9	0.53	0.53	0.00	-6.7	-2.0
17,601.0	88.50	179.00	12,361.9	-4,699.4	348.0	3.25	-3.19	0.64	-6.3	-0.5
17,694.0	89.00	178.50	12,363.9	-4,792.4	350.0	0.76	0.54	-0.54	-3.9	0.9
17,789.0	89.10	177.70	12,365.5	-4,887.3	353.2	0.85	0.11	-0.84	-2.0	3.4
17,882.0	89.20	179.60	12,366.9	-4,980.2	355.4	2.05	0.11	2.04	-0.3	4.9
17,976.0	91.20	179.60	12,366.5	-5,074.2	356.0	2.13	2.13	0.00	-0.2	4.9
18,069.0	91.60	179.40	12,364.3	-5,167.2	356.8	0.48	0.43	-0.22	-2.1	5.1
18,164.0	90.50	179.30	12,362.5	-5,262.2	357.9	1.16	-1.16	-0.11	-3.5	5.5
18,258.0	91.20	179.10	12,361.1	-5,356.2	359.2	0.77	0.74	-0.21	-4.5	6.2
18,352.0	91.90	179.80	12,358.6	-5,450.1	360.1	1.05	0.74	0.74	-6.7	6.5
18,447.0	93.10	180.30	12,354.4	-5,545.0	360.0	1.37	1.26	0.53	-10.5	5.8
18,541.0	89.00	180.40	12,352.7	-5,639.0	359.5	4.36	-4.36	0.11	-11.9	4.5
18,635.0	88.90	180.80	12,354.4	-5,733.0	358.5	0.44	-0.11	0.43	-9.8	2.9
18,728.0	91.00	181.30	12,354.5	-5,825.9	356.8	2.32	2.26	0.54	-9.3	0.6
18,823.0	89.50	182.30	12,354.1	-5,920.9	353.8	1.90	-1.58	1.05	-9.4	-3.1
18,917.0	91.20	183.80	12,353.5	-6,014.8	348.8	2.41	1.81	1.60	-9.6	-8.7
19,011.0	90.90	183.50	12,351.8	-6,108.6	342.8	0.45	-0.32	-0.32	-11.0	-15.3
19,106.0	87.40	181.90	12,353.2	-6,203.4	338.3	4.05	-3.68	-1.68	-9.2	-20.4
19,200.0	87.10	181.70	12,357.7	-6,297.3	335.4	0.38	-0.32	-0.21	-4.4	-24.0
19,294.0	89.20	181.50	12,360.8	-6,391.2	332.8	2.24	2.23	-0.21	-0.9	-27.3
19,387.0	89.10	181.50	12,362.1	-6,484.1	330.3	0.11	-0.11	0.00	0.8	-30.4
19,481.0	88.80	180.70	12,363.9	-6,578.1	328.5	0.91	-0.32	-0.85	2.9	-32.8
19,574.0	89.90	181.60	12,364.9	-6,671.1	326.6	1.53	1.18	0.97	4.3	-35.3
Last MWD Survey										
19,629.0	89.90	181.60	12,365.0	-6,726.0	325.1	0.00	0.00	0.00	4.6	-37.2
Projection To Bit										



EOG Resources, Inc.
PVA

Company: EOG Resources - Midland
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Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #706H
TVD Reference: KB = 25' @ 3269.0usft (H&P 610)
MD Reference: KB = 25' @ 3269.0usft (H&P 610)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
19,574.0	12,364.9	-6,671.1	326.6	Last MWD Survey
19,629.0	12,365.0	-6,726.0	325.1	Projection To Bit

Checked By: _____ Approved By: _____ Date: _____