



Lea County, NM (NAD 27 NME)

Hound 30 Fed #701H

H&P 642

Plan #2

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: #701H

Ground Level: 3317.0
KB = 35' @ 3342 South (H&P 642)
Northing: 401122.00 Easting: 753414.00 Longitude: 32° 6' 0.564 N 103° 30' 53.914 W

Azimuths to Grid North:
True North: 4.43°
Magnetic North: 6.57°

Magnetic Field
Strength: 47865.3enT
Dip Angle: 86.97°
Date: 8/22/2016
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction: Add 6.57°
To convert a Magnetic Direction to a True Direction: Add 7.01° East
To convert a True Direction to a Grid Direction: Subtract 0.43°

SECTION DETAILS

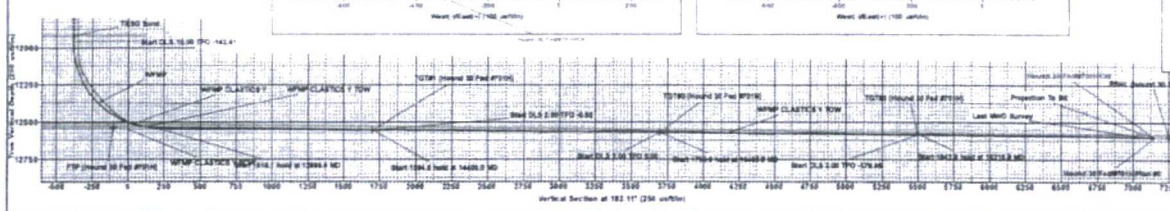
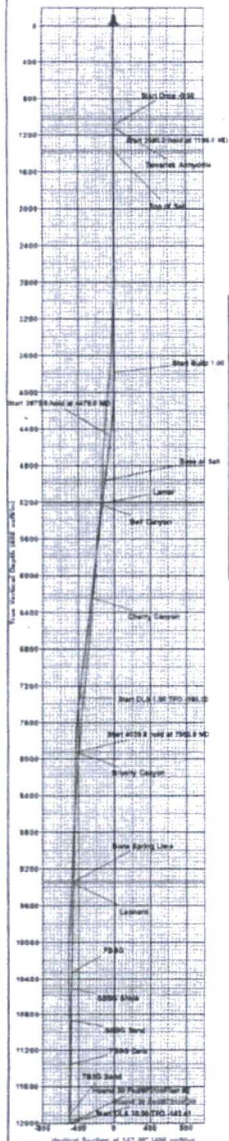
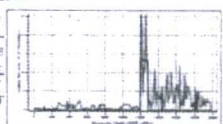
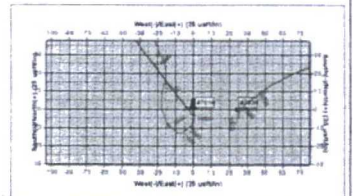
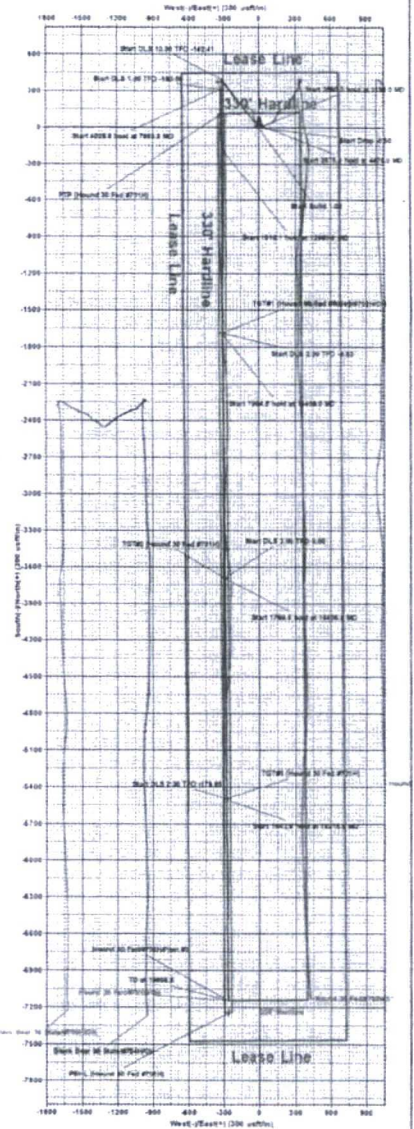
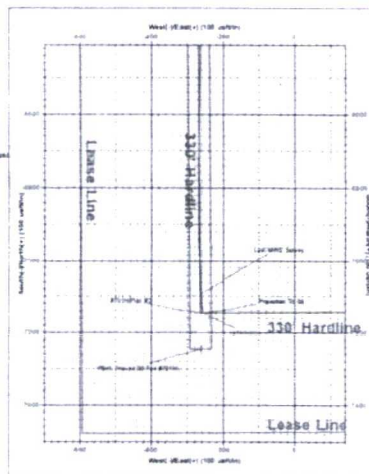
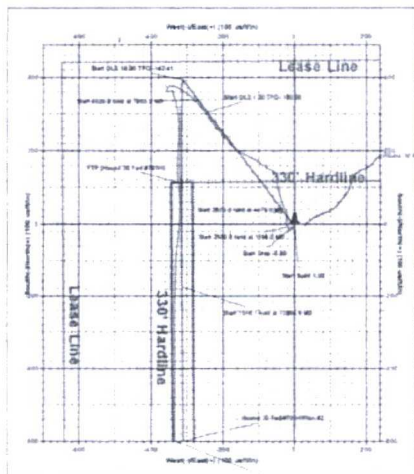
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dieg	TFace	VSecl	Target
1	1093.0	0.53	192.91	1093.0	-5.0	0.5	0.00	0.00	5.0	
2	1199.0	0.00	0.00	1199.0	-5.5	0.5	0.50	180.00	5.5	
3	3779.0	0.00	0.00	3779.0	-5.5	0.5	0.00	0.00	5.5	
4	4479.0	7.00	322.00	4477.2	28.1	-25.8	1.00	322.00	-27.2	
5	7354.0	7.00	322.00	7330.8	304.2	-241.4	0.00	0.00	-295.2	
6	7953.9	1.00	322.00	7929.0	337.2	-267.2	1.00	-180.00	-327.2	
7	11983.7	1.00	322.00	11958.2	392.6	-310.5	0.00	0.00	-381.0	
8	12885.6	89.40	179.59	12539.0	-174.3	-312.6	10.00	-142.41	185.6	
9	14401.7	89.40	179.59	12555.0	-1690.2	-301.8	0.00	0.00	1700.1	TGT#1 (Hound 30 Fed #701H)
10	14409.0	89.54	179.59	12555.1	-1697.5	-301.7	2.00	-0.53	1707.5	
11	16403.6	89.54	179.59	12571.0	-3692.0	-287.4	0.00	0.00	3700.1	TGT#2 (Hound 30 Fed #701H)
12	16405.8	89.59	179.59	12571.0	-3694.2	-287.4	2.00	0.00	3702.3	
13	18205.4	89.59	179.59	12584.0	-5493.7	-274.5	0.00	0.00	5500.1	TGT#3 (Hound 30 Fed #701H)
14	18215.9	89.38	179.59	12584.1	-5504.3	-274.5	2.00	-179.85	5510.6	
15	19858.8	89.38	179.59	12602.0	-7147.0	-262.7	0.00	0.00	7151.8	PBHL (Hound 30 Fed #701H)

CASING DETAILS

No casing data is available

WELLS TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
TGT#1 (Hound 30 Fed #701H)	12565.0	-1690.2	-301.8	399431.80	753112.24
TGT#2 (Hound 30 Fed #701H)	12571.0	-3692.0	-287.4	387430.00	753126.54
TGT#3 (Hound 30 Fed #701H)	12584.0	-5493.7	-274.5	389628.30	753139.44
PBHL (Hound 30 Fed #701H)	12602.0	-7147.0	-262.7	389875.00	753152.00
FTP (Hound 30 Fed #701H)	12629.0	-113.0	315.0	401235.00	753099.50





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Hound 30 Fed

#701H

OH

Design: OH

PVA

10 May, 2017



EOG Resources, Inc.

PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #701H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25' @ 3342.0usft (H&P 642)
Site:	Hound 30 Fed	MD Reference:	KB = 25' @ 3342.0usft (H&P 642)
Well:	#701H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Project	Lea County, NM (NAD 27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Hound 30 Fed		
Site Position:		Northing:	401,122.00 usft
From:	Map	Easting:	753,414.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 6' 0.564 N
		Longitude:	103° 30' 53.914 W
		Grid Convergence:	0.43 °

Well		#701H				
Well Position	+N/-S	0.0 usft	Northing:	401,122.00 usft	Latitude:	32° 6' 0.564 N
	+E/-W	0.0 usft	Easting:	753,414.00 usft	Longitude:	103° 30' 53.914 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,317.0 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	8/22/2016	7.01	59.97	47,955

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	182.07	



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Hound 30 Fed
Well: #701H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #701H
TVD Reference: KB = 25' @ 3342.0usft (H&P 642)
MD Reference: KB = 25' @ 3342.0usft (H&P 642)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey Program Date 5/10/2017

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
139.0	1,093.0	TrueShot (OH)	MWD	MWD - Standard
1,132.0	19,838.0	Intrepid MWD (OH)	MWD	MWD - Standard

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
139.0	0.20	19.60	139.0	0.2	0.1	0.14	0.14	0.00	0.0	0.0
313.0	0.30	167.30	313.0	0.1	0.3	0.28	0.06	84.89	0.0	0.0
405.0	0.20	210.00	405.0	-0.3	0.3	0.22	-0.11	46.41	0.0	0.0
499.0	0.30	149.80	499.0	-0.7	0.3	0.28	0.11	-64.04	0.0	0.0
592.0	0.30	180.20	592.0	-1.1	0.4	0.17	0.00	32.69	0.0	0.0
783.0	0.48	172.70	783.0	-2.4	0.5	0.10	0.09	-3.93	0.0	0.0
877.0	0.53	169.97	877.0	-3.2	0.6	0.06	0.05	-2.90	0.0	0.0
971.0	0.44	177.53	971.0	-4.0	0.7	0.12	-0.10	8.04	0.0	0.0
1,093.0	0.53	192.91	1,093.0	-5.0	0.6	0.13	0.07	12.61	0.0	0.0
1,132.0	0.50	194.00	1,132.0	-5.4	0.5	0.08	-0.08	2.79	-0.1	0.0
1,317.0	0.40	170.70	1,317.0	-6.8	0.5	0.11	-0.05	-12.59	-1.3	-0.3
1,504.0	0.40	177.20	1,504.0	-8.1	0.6	0.02	0.00	3.48	-2.6	-0.1
1,691.0	0.50	211.40	1,691.0	-9.4	0.2	0.15	0.05	18.29	-3.5	1.8
1,879.0	0.50	215.50	1,879.0	-10.8	-0.7	0.02	0.00	2.18	-5.0	2.1
2,067.0	0.60	218.30	2,066.9	-12.2	-1.8	0.06	0.05	1.49	-6.7	2.4
2,254.0	0.80	246.10	2,253.9	-13.5	-3.6	0.21	0.11	14.87	-7.0	5.7
2,443.0	0.70	225.50	2,442.9	-14.9	-5.6	0.15	-0.05	-10.90	-11.0	2.4
2,630.0	0.70	200.70	2,629.9	-16.8	-6.8	0.16	0.00	-13.26	-13.1	-2.9
2,818.0	2.50	289.10	2,817.8	-16.5	-11.1	1.37	0.96	47.02	-7.4	14.2
3,006.0	3.50	328.90	3,005.6	-10.2	-18.0	1.20	0.53	21.17	-5.5	18.3



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Hound 30 Fed
Well: #701H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #701H
TVD Reference: KB = 25' @ 3342.0usft (H&P 642)
MD Reference: KB = 25' @ 3342.0usft (H&P 642)
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)
3,194.0	3.50	348.00	3,193.3	0.3	-22.1	0.62	0.00	10.16	-10.4	20.9
3,381.0	3.30	18.00	3,379.9	11.0	-21.6	0.95	-0.11	16.04	-8.8	26.2
3,569.0	3.60	8.30	3,567.6	22.0	-19.1	0.35	0.16	-5.16	-24.3	23.4
3,757.0	5.30	335.80	3,755.1	35.7	-21.8	1.58	0.90	-17.29	-46.8	3.5
3,944.0	5.80	333.30	3,941.2	52.1	-29.6	0.30	0.27	-1.34	-62.7	0.6
4,132.0	5.50	343.30	4,128.3	69.2	-36.5	0.55	-0.16	5.32	-72.1	10.0
4,320.0	5.20	339.80	4,315.5	85.8	-42.0	0.24	-0.16	-1.86	-76.1	0.5
4,508.0	4.20	351.10	4,502.8	100.6	-46.0	0.72	-0.53	6.01	-71.6	6.8
4,695.0	3.80	357.70	4,689.4	113.6	-47.3	0.33	-0.21	3.53	-64.7	2.4
4,883.0	2.40	25.00	4,877.1	123.4	-45.9	1.06	-0.74	14.52	-55.4	14.2
5,071.0	3.30	330.60	5,064.9	131.6	-46.9	1.45	0.48	-28.94	-29.0	-43.2
5,257.0	6.00	303.20	5,250.3	141.6	-57.7	1.84	1.45	-14.73	1.0	-46.9
5,445.0	6.00	301.90	5,437.3	152.2	-74.2	0.07	0.00	-0.69	4.0	-39.2
5,632.0	5.80	302.70	5,623.3	162.5	-90.5	0.12	-0.11	0.43	5.8	-31.6
5,819.0	5.10	302.00	5,809.4	172.0	-105.5	0.38	-0.37	-0.37	9.8	-23.8
6,007.0	5.00	297.10	5,996.7	180.1	-119.8	0.24	-0.05	-2.61	16.1	-13.9
6,193.0	4.70	295.40	6,182.0	187.1	-133.9	0.18	-0.16	-0.91	21.1	-3.6
6,381.0	4.70	291.50	6,369.4	193.2	-148.1	0.17	0.00	-2.07	25.7	9.0
6,568.0	4.70	306.10	6,555.8	200.6	-161.4	0.64	0.00	7.81	34.0	10.4
6,755.0	6.30	317.80	6,741.9	212.7	-174.5	1.04	0.86	6.26	40.4	6.6
6,941.0	6.10	319.10	6,926.8	227.7	-187.8	0.13	-0.11	0.70	43.1	7.0
7,129.0	6.10	320.40	7,113.8	242.9	-200.7	0.07	0.00	0.69	46.2	6.9
7,317.0	5.70	322.30	7,300.8	258.0	-212.8	0.24	-0.21	1.01	50.0	5.6
7,504.0	5.30	322.00	7,486.9	272.2	-223.8	0.21	-0.21	-0.16	52.9	5.8
7,691.0	5.10	324.10	7,673.1	285.7	-234.0	0.15	-0.11	1.12	50.9	3.7
7,878.0	4.80	323.60	7,859.4	298.7	-243.5	0.16	-0.16	-0.27	43.4	3.8
8,066.0	4.50	319.20	8,046.8	310.7	-253.0	0.25	-0.16	-2.34	31.4	6.7



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Hound 30 Fed
 Well: #701H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #701H
 TVD Reference: KB = 25' @ 3342.0usft (H&P 642)
 MD Reference: KB = 25' @ 3342.0usft (H&P 642)
 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)	Bulld (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
8,253.0	4.00	319.00	8,233.3	321.1	-262.0	0.27	-0.27	-0.11	20.8	6.9
8,440.0	3.70	318.40	8,419.9	330.6	-270.3	0.16	-0.16	-0.32	11.4	7.3
8,628.0	3.40	312.60	8,607.5	338.9	-278.5	0.25	-0.16	-3.09	2.3	8.3
8,816.0	3.30	309.00	8,795.2	346.1	-286.8	0.12	-0.05	-1.91	-6.0	8.8
9,004.0	3.10	305.70	8,982.9	352.4	-295.1	0.14	-0.11	-1.76	-13.9	9.1
9,192.0	3.00	302.10	9,170.6	358.0	-303.4	0.11	-0.05	-1.91	-21.3	9.0
9,379.0	2.90	301.10	9,357.4	363.1	-311.6	0.06	-0.05	-0.53	-28.1	9.7
9,565.0	2.70	308.00	9,543.2	368.2	-319.1	0.21	-0.11	3.71	-32.6	14.4
9,751.0	3.00	292.10	9,728.9	372.7	-327.0	0.45	0.16	-8.55	-41.6	5.3
9,938.0	3.30	282.20	9,915.7	375.7	-336.8	0.33	0.16	-5.29	-49.5	-0.7
10,126.0	3.10	252.00	10,103.4	375.3	-347.0	0.89	-0.11	-16.06	-51.1	-25.2
10,313.0	1.40	215.80	10,290.2	371.8	-353.1	1.14	-0.91	-19.36	-33.7	-50.3
10,500.0	2.70	175.60	10,477.1	365.6	-354.1	1.00	0.70	-21.50	-2.1	-59.8
10,687.0	1.10	133.90	10,664.0	360.0	-352.5	1.08	-0.86	-22.30	29.9	-49.5
10,875.0	1.30	61.00	10,852.0	359.7	-349.3	0.76	0.11	-38.78	52.9	9.1
11,062.0	1.70	73.60	11,038.9	361.6	-344.8	0.28	0.21	6.74	47.6	-5.2
11,250.0	1.00	49.30	11,226.9	363.4	-340.9	0.47	-0.37	-12.93	41.5	10.4
11,437.0	1.10	107.40	11,413.8	363.9	-337.9	0.55	0.05	31.07	25.4	-30.2
11,624.0	0.60	199.80	11,600.8	362.5	-336.5	0.68	-0.27	49.41	-33.9	-19.6
11,812.0	0.50	245.70	11,788.8	361.2	-337.6	0.23	-0.05	24.41	-38.3	14.6
11,944.0	0.50	281.80	11,920.8	361.1	-338.7	0.23	0.00	27.35	-21.7	36.2
12,038.0	2.00	157.70	12,014.8	359.7	-338.5	2.47	1.60	-132.02	-18.1	-37.0
12,085.0	6.00	155.20	12,061.7	356.7	-337.1	8.52	8.51	-5.32	-14.4	-34.7
12,132.0	14.50	162.30	12,107.9	348.8	-334.3	18.25	18.09	15.11	-17.5	-28.7
12,179.0	23.40	165.80	12,152.3	334.1	-330.2	19.08	18.94	7.45	-21.1	-23.2
12,226.0	30.80	169.30	12,194.1	313.2	-325.7	16.10	15.74	7.45	-26.7	-17.7
12,273.0	35.30	174.60	12,233.5	287.9	-322.2	11.37	9.57	11.28	-32.9	-11.9



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Hound 30 Fed
Well: #701H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #701H
TVD Reference: KB = 25' @ 3342.0usft (H&P 642)
MD Reference: KB = 25' @ 3342.0usft (H&P 642)
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)
12,319.0	36.90	180.20	12,270.7	260.8	-321.0	7.97	3.48	12.17	-36.9	-7.6
12,366.0	37.50	182.60	12,308.1	232.4	-321.7	3.34	1.28	5.11	-37.2	-6.9
12,413.0	41.50	183.60	12,344.4	202.6	-323.3	8.62	8.51	2.13	-35.1	-8.1
12,460.0	44.80	181.50	12,378.7	170.5	-324.7	7.66	7.02	-4.47	-31.6	-10.4
12,504.0	47.50	178.00	12,409.1	138.8	-324.6	8.40	6.14	-7.95	-26.7	-11.4
12,551.0	50.40	174.70	12,440.0	103.4	-322.3	8.13	6.17	-7.02	-20.1	-9.6
12,598.0	55.90	177.10	12,468.2	65.9	-319.6	12.39	11.70	5.11	-13.6	-6.3
12,645.0	63.70	182.20	12,491.8	25.3	-319.4	19.05	16.60	10.85	-8.5	-5.7
12,692.0	69.50	185.30	12,510.5	-17.7	-322.3	13.74	12.34	6.60	-5.1	-8.7
12,739.0	75.20	185.10	12,524.7	-62.3	-326.4	12.13	12.13	-0.43	-2.3	-13.0
12,785.0	80.10	182.40	12,534.6	-107.1	-329.3	12.10	10.65	-5.87	0.1	-16.3
12,834.0	84.30	180.60	12,541.2	-155.6	-330.5	9.31	8.57	-3.67	2.7	-17.8
12,881.0	87.10	181.30	12,544.7	-202.5	-331.3	6.14	5.96	1.49	5.4	-19.0
12,973.0	87.80	180.60	12,548.8	-294.3	-332.8	1.08	0.76	-0.76	8.5	-21.1
13,066.0	89.10	179.40	12,551.4	-387.3	-332.8	1.90	1.40	-1.29	10.1	-21.8
13,159.0	90.20	180.30	12,551.9	-480.3	-332.6	1.53	1.18	0.97	9.7	-22.2
13,253.0	90.30	180.60	12,551.5	-574.3	-333.3	0.34	0.11	0.32	8.3	-23.6
13,347.0	89.40	180.20	12,551.8	-668.3	-334.0	1.05	-0.96	-0.43	7.5	-24.9
13,441.0	88.70	178.90	12,553.3	-762.3	-333.3	1.57	-0.74	-1.38	8.1	-24.9
13,535.0	93.80	179.40	12,551.3	-856.2	-331.9	5.45	5.43	0.53	5.0	-24.2
13,629.0	86.90	176.20	12,550.7	-950.1	-328.3	8.09	-7.34	-3.40	3.6	-21.2
13,722.0	90.30	178.10	12,553.0	-1,042.9	-323.6	4.19	3.66	2.04	4.8	-17.3
13,816.0	90.10	177.20	12,552.6	-1,136.8	-319.8	0.98	-0.21	-0.96	3.5	-14.1
13,909.0	88.60	174.10	12,553.7	-1,229.5	-312.7	3.70	-1.61	-3.33	3.6	-7.7
14,003.0	90.40	176.90	12,554.5	-1,323.2	-305.4	3.54	1.91	2.98	3.4	-1.0
14,097.0	88.50	176.10	12,555.4	-1,417.1	-299.6	2.19	-2.02	-0.85	3.3	4.1
14,190.0	89.70	177.70	12,556.9	-1,509.9	-294.6	2.15	1.29	1.72	3.8	8.5



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Hound 30 Fed
Well: #701H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #701H
TVD Reference: KB = 25' @ 3342.0usft (H&P 642)
MD Reference: KB = 25' @ 3342.0usft (H&P 642)
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)	Buile (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
14,283.0	90.30	180.80	12,556.9	-1,602.9	-293.4	3.40	0.65	3.33	2.8	9.0
14,376.0	91.30	180.70	12,555.6	-1,695.9	-294.6	1.08	1.08	-0.11	0.5	7.1
14,470.0	89.80	176.60	12,554.7	-1,789.8	-292.4	4.64	-1.60	-4.36	-1.1	8.7
14,564.0	88.80	175.10	12,555.8	-1,883.6	-285.6	1.92	-1.06	-1.60	-0.8	14.8
14,657.0	90.00	174.50	12,556.8	-1,976.2	-277.1	1.44	1.29	-0.65	-0.5	22.6
14,751.0	89.70	174.80	12,557.0	-2,069.8	-268.4	0.45	-0.32	0.32	-1.0	30.7
14,844.0	90.50	177.30	12,556.9	-2,162.5	-262.0	2.82	0.86	2.69	-1.9	36.4
14,938.0	93.70	180.10	12,553.4	-2,256.4	-259.8	4.52	3.40	2.98	-6.1	37.9
15,032.0	87.10	178.90	12,552.8	-2,350.4	-259.0	7.14	-7.02	-1.28	-7.5	38.0
15,125.0	88.00	179.90	12,556.8	-2,443.3	-258.1	1.45	0.97	1.08	-4.3	38.3
15,219.0	89.90	180.70	12,558.5	-2,537.2	-258.5	2.19	2.02	0.85	-3.3	37.2
15,313.0	89.00	183.10	12,559.4	-2,631.2	-261.7	2.73	-0.96	2.55	-3.1	33.4
15,406.0	91.30	184.90	12,559.1	-2,723.9	-268.1	3.14	2.47	1.94	-4.2	26.2
15,500.0	84.40	183.60	12,562.7	-2,817.6	-275.1	7.47	-7.34	-1.38	-1.2	18.6
15,593.0	89.30	184.50	12,567.8	-2,910.2	-281.7	5.36	5.27	0.97	3.0	11.4
15,694.0	91.60	182.20	12,567.0	-3,011.0	-287.6	3.22	2.28	-2.28	1.4	4.8
15,788.0	91.10	181.00	12,564.8	-3,104.9	-290.2	1.38	-0.53	-1.28	-1.6	1.5
15,882.0	90.10	180.10	12,563.8	-3,198.9	-291.1	1.43	-1.06	-0.96	-3.3	-0.1
15,976.0	91.50	176.20	12,562.5	-3,292.8	-288.1	4.41	1.49	-4.15	-5.4	2.2
16,070.0	92.80	172.60	12,558.9	-3,386.3	-278.9	4.07	1.38	-3.83	-9.6	10.7
16,164.0	88.90	169.70	12,557.5	-3,479.1	-264.4	5.17	-4.15	-3.09	-12.0	24.4
16,258.0	88.10	172.60	12,560.0	-3,572.0	-250.0	3.20	-0.85	3.09	-10.3	38.3
16,351.0	89.80	171.60	12,561.7	-3,664.1	-237.2	2.12	1.83	-1.08	-9.2	50.4
16,446.0	89.10	179.90	12,562.6	-3,758.7	-230.2	8.77	-0.74	8.74	-8.9	56.8
16,540.0	89.40	181.00	12,563.8	-3,852.7	-230.9	1.21	0.32	1.17	-8.3	55.4
16,634.0	88.90	181.70	12,565.2	-3,946.7	-233.1	0.92	-0.53	0.74	-7.6	52.5
16,727.0	87.50	181.80	12,568.2	-4,039.6	-236.0	1.51	-1.51	0.11	-5.3	49.0



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Hound 30 Fed
 Well: #701H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #701H
 TVD Reference: KB = 25' @ 3342.0usft (H&P 642)
 MD Reference: KB = 25' @ 3342.0usft (H&P 642)
 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)
16,820.0	88.10	178.60	12,571.7	-4,132.5	-236.3	3.50	0.65	-3.44	-2.5	48.0
16,914.0	87.70	177.90	12,575.2	-4,226.4	-233.4	0.86	-0.43	-0.74	0.3	50.2
17,007.0	88.00	184.40	12,578.7	-4,319.2	-235.3	6.99	0.32	6.99	3.3	47.7
17,101.0	88.60	186.40	12,581.5	-4,412.8	-244.1	2.22	0.64	2.13	5.4	38.1
17,194.0	90.80	186.70	12,581.9	-4,505.2	-254.7	2.39	2.37	0.32	5.1	26.9
17,288.0	95.30	186.70	12,576.9	-4,598.4	-265.7	4.79	4.79	0.00	-0.8	15.3
17,401.0	90.90	183.50	12,570.8	-4,710.7	-275.7	4.81	-3.89	-2.83	-7.5	4.4
17,495.0	89.80	180.90	12,570.3	-4,804.6	-279.3	3.00	-1.17	-2.77	-8.8	0.2
17,588.0	87.40	179.00	12,572.5	-4,897.6	-279.2	3.29	-2.58	-2.04	-7.2	-0.4
17,681.0	87.80	179.50	12,576.4	-4,990.5	-278.0	0.69	0.43	0.54	-3.9	0.1
17,774.0	87.50	180.00	12,580.2	-5,083.4	-277.6	0.63	-0.32	0.54	-0.8	-0.1
17,867.0	88.30	178.80	12,583.7	-5,176.4	-276.6	1.55	0.86	-1.29	1.9	0.2
17,960.0	88.40	178.70	12,586.3	-5,269.3	-274.6	0.15	0.11	-0.11	3.9	1.6
18,053.0	92.50	179.70	12,585.6	-5,362.3	-273.3	4.54	4.41	1.08	2.5	2.2
18,147.0	92.80	179.80	12,581.3	-5,456.2	-272.9	0.34	0.32	0.11	-2.5	1.9
18,239.0	89.50	179.80	12,579.4	-5,548.1	-272.6	3.59	-3.59	0.00	-5.2	1.6
18,332.0	88.80	179.90	12,580.8	-5,641.1	-272.3	0.76	-0.75	0.11	-4.8	1.2
18,426.0	87.10	177.60	12,584.1	-5,735.0	-270.3	3.04	-1.81	-2.45	-2.5	2.5
18,520.0	90.20	179.20	12,586.4	-5,829.0	-267.7	3.71	3.30	1.70	-1.3	4.5
18,612.0	90.20	178.60	12,586.0	-5,920.9	-265.9	0.65	0.00	-0.65	-2.6	5.6
18,706.0	89.80	178.30	12,586.0	-6,014.9	-263.3	0.53	-0.43	-0.32	-3.6	7.5
18,800.0	90.70	178.10	12,585.6	-6,108.9	-260.4	0.98	0.96	-0.21	-5.1	9.7
18,893.0	89.50	180.30	12,585.5	-6,201.8	-259.1	2.69	-1.29	2.37	-6.2	10.4
18,987.0	88.90	180.60	12,586.8	-6,295.8	-259.8	0.71	-0.64	0.32	-5.9	9.0
19,081.0	90.50	180.80	12,587.3	-6,389.8	-261.0	1.72	1.70	0.21	-6.5	7.1
19,175.0	88.40	180.80	12,588.2	-6,483.8	-262.3	2.23	-2.23	0.00	-6.6	5.2
19,268.0	88.40	181.40	12,590.8	-6,576.7	-264.1	0.64	0.00	0.65	-5.0	2.7



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Hound 30 Fed
Well: #701H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #701H
TVD Reference: KB = 25' @ 3342.0usft (H&P 642)
MD Reference: KB = 25' @ 3342.0usft (H&P 642)
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)
19,361.0	87.10	180.90	12,594.4	-6,669.6	-265.9	1.50	-1.40	-0.54	-2.4	0.2
19,455.0	89.20	180.90	12,597.5	-6,763.6	-267.4	2.23	2.23	0.00	-0.4	-2.0
19,548.0	89.30	179.50	12,598.7	-6,856.6	-267.7	1.51	0.11	-1.51	-0.2	-3.0
19,642.0	89.90	178.10	12,599.3	-6,950.5	-265.8	1.62	0.64	-1.49	-0.5	-1.7
19,735.0	89.30	176.70	12,600.0	-7,043.4	-261.6	1.64	-0.65	-1.51	-0.9	1.9
19,783.0	89.80	176.40	12,600.4	-7,091.4	-258.7	1.21	1.04	-0.62	-1.0	4.4
Last MWD Survey										
19,838.0	89.80	176.40	12,600.6	-7,146.2	-255.2	0.00	0.00	0.00	-1.4	7.5
Projection To Bit										

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
19,783.0	12,600.4	-7,091.4	-258.7	Last MWD Survey
19,838.0	12,600.6	-7,146.2	-255.2	Projection To Bit

Checked By: _____ Approved By: _____ Date: _____