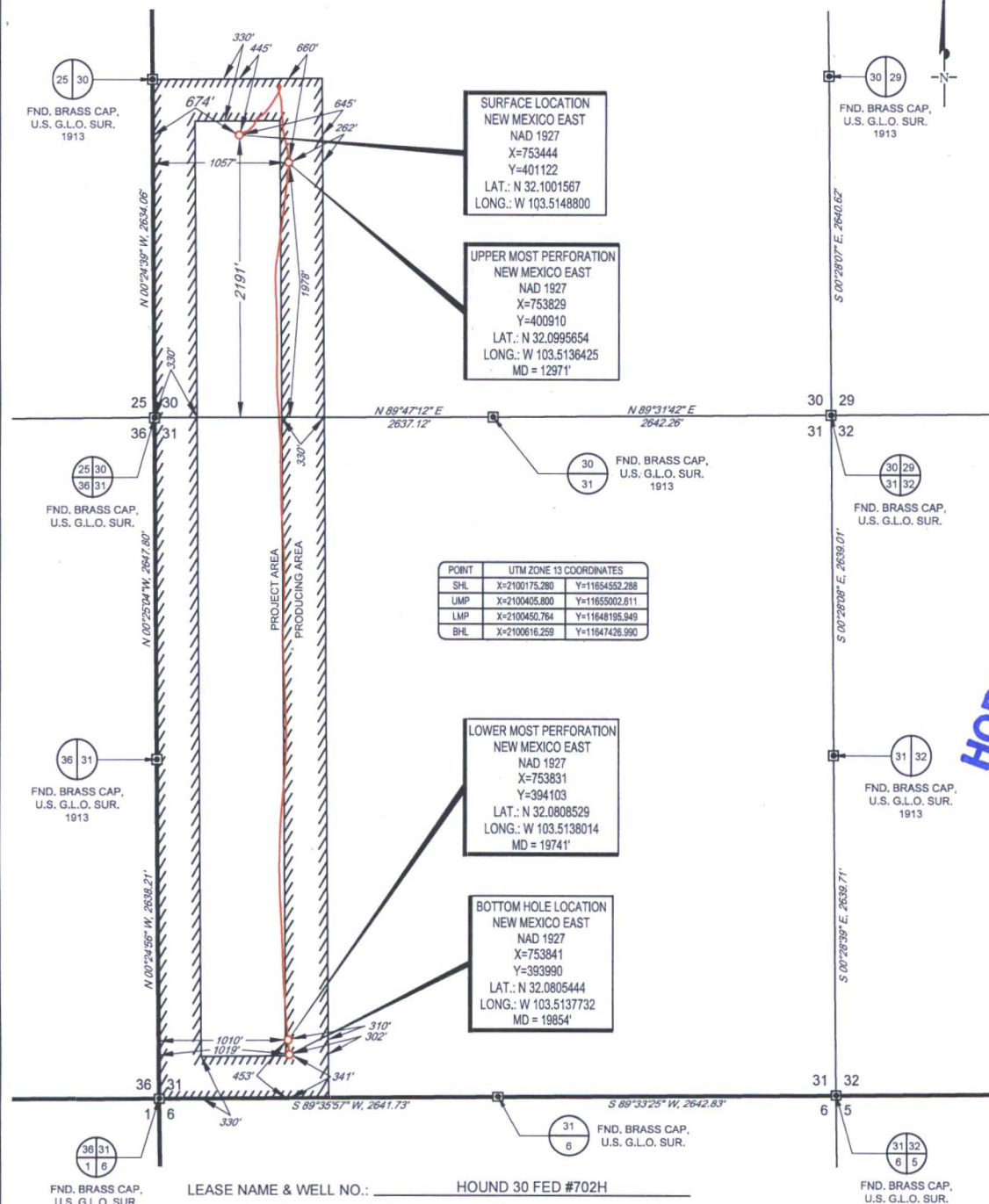


SCALE: 1" = 1000'
0' 500' 1000'

SECTIONS 30 & 31, TOWNSHIP 25-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

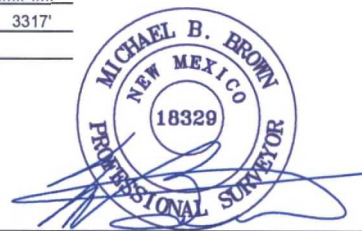


HOBBS OCD
JUL 13 2017
RECEIVED

LEASE NAME & WELL NO.: HOUND 30 FED #702H
SECTION 30 TWP 25-S RGE 34-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3317'
DESCRIPTION 2191' FSL & 674' FWL

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 197 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX: (817) 744-7548
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX: (432) 682-1743
WWW.TOPOGRAPHIC.COM



Michael Blake Brown, P.S. No. 18329
JUNE 26, 2017

eg resources, Inc.

HOUND 30 FED #702H AS-COMPLETED	REVISION:	
	INT	DATE
DATE: 06/26/17		
FILE: AD_HOUND_30_FED_702H		
DRAWN BY: A.V.F.		
SHEET: 1 OF 1		

NOTES:
1. ORIGINAL DOCUMENT SIZE: 8.5" X 14"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET, NORTH AMERICAN DATUM 1927.
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.



Lea County, NM (NAD 27 NME)
Hound 30 Fed #702H

H&P 642

Plan #3

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: #702H
Ground Level: 3317.0
KB = 25' @ 3342.00 ft (H&P 642)
Latitude 32° 0.562' N
Longitude 103° 30' 53.566' W
Northing 401122.00
Easting 75344.00

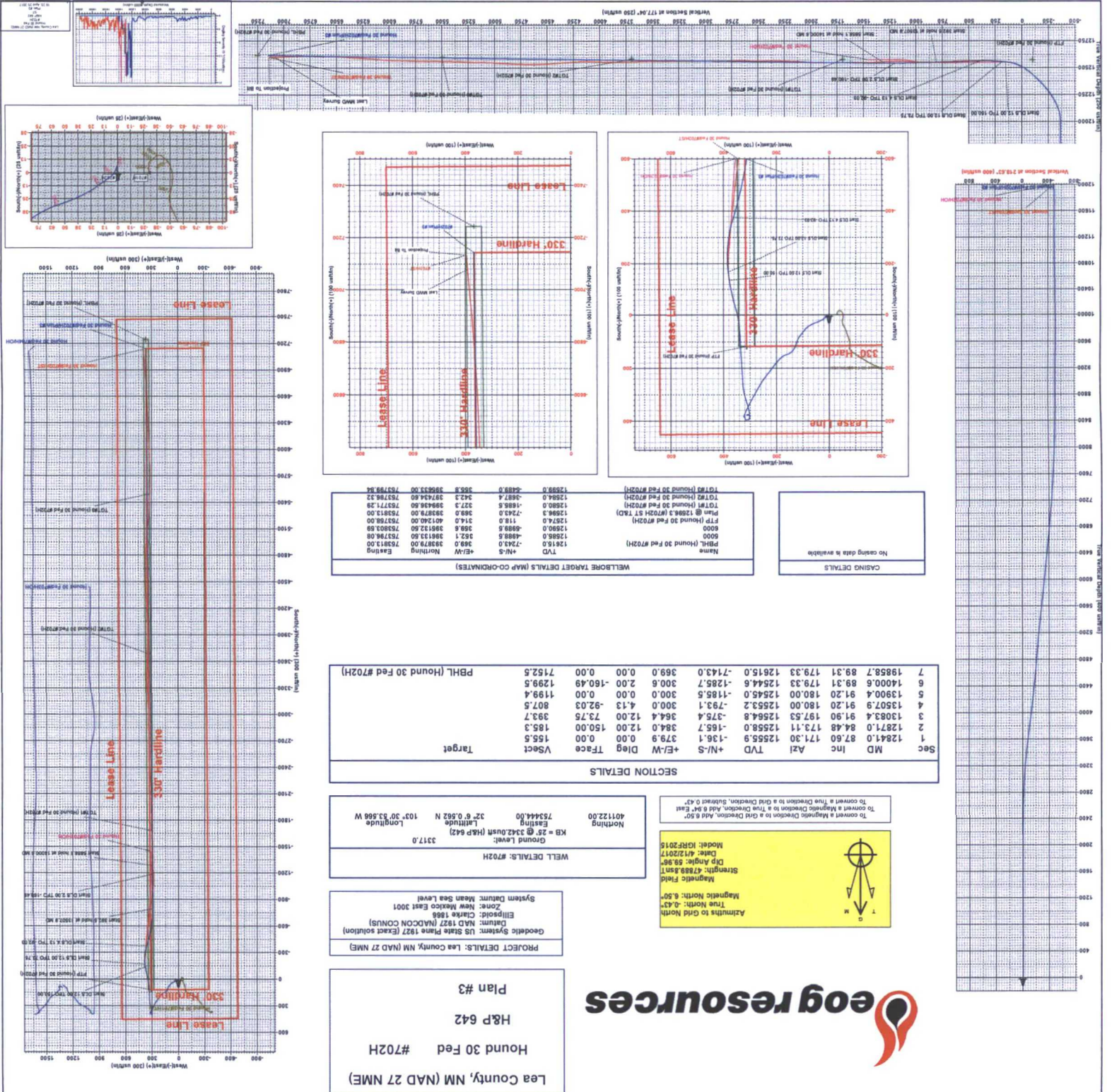
To convert a Magnetic Direction to a Grid Direction, Add 0.43°
To convert a True Direction to a Grid Direction, Subtract 0.43°

Magnetic Field
Strength: 4788.8 nT
Date: 4/12/2017
Model: IGRF2015

True North: 0.43°
Magnetic North: 0.50°
Azimuths to Grid North

SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+N/S	+E/W	Diag	TFace	Vsect	Target	
1	12841.0	87.60	171.00	12555.9	-136.1	379.9	0.00	155.5	155.5		
2	12871.0	84.48	173.11	12558.0	-165.7	384.0	12.00	150.00	150.00		
3	13083.4	91.90	187.53	12564.8	-793.4	364.4	4.13	73.75	393.7		
4	13507.9	91.20	180.00	12543.2	-793.1	300.0	0.00	807.5	1199.4		
5	13900.4	91.20	180.00	12545.0	-1185.5	300.0	0.00	807.5	1199.4		
6	14000.6	89.31	179.33	12544.6	-1285.7	300.6	2.00	-160.49	1299.5		
7	19858.7	89.31	179.33	12615.0	-7143.0	369.0	0.00	0.00	7152.5		PBHL (Hound 30 Fed #702H)

WELLSBORE TARGET DETAILS (MAP CO-ORDINATES)											
Name	Depth (ft)	Depth (m)	Depth (ft)	Depth (m)	Depth (ft)	Depth (m)	Depth (ft)	Depth (m)	Depth (ft)	Depth (m)	Depth (ft)
PBHL (Hound 30 Fed #702H)	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0
FTP (Hound 30 Fed #702H)	6000	1768.0	6000	1768.0	6000	1768.0	6000	1768.0	6000	1768.0	6000
TOTR (Hound 30 Fed #702H)	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0
TOTR (Hound 30 Fed #702H)	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0
TOTR (Hound 30 Fed #702H)	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0
TOTR (Hound 30 Fed #702H)	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0
TOTR (Hound 30 Fed #702H)	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0
TOTR (Hound 30 Fed #702H)	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0
TOTR (Hound 30 Fed #702H)	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0
TOTR (Hound 30 Fed #702H)	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0
TOTR (Hound 30 Fed #702H)	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0	3700.0	12815.0





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Hound 30 Fed

#702H

ST

Design: ST

PVA

25 April, 2017



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Hound 30 Fed
Well: #702H
Wellbore: ST
Design: ST

Local Co-ordinate Reference: Well #702H
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

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: Hound 30 Fed

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

Well: #702H

Well Position: +N/-S 0.0 usft Northing: 401,122.00 usft Latitude: 32° 6' 0.562 N
+E/-W 0.0 usft Easting: 753,444.00 usft Longitude: 103° 30' 53.566 W
Position Uncertainty: 0.0 usft Wellhead Elevation: 0.0 usft Ground Level: 3,317.0 usft

Wellbore: ST

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	4/12/2017	6.94	59.96	47,890

Design: ST

Audit Notes:

Version: 1.0 Phase: ACTUAL Tie On Depth: 12,841.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	177.08



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Database: EDM 5000.1 Single User Db

Survey Program Date 4/25/2017

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
141.0	12,841.0	Intrepid MWD #1 (OH)	MWD	MWD - Standard
12,878.0	19,855.0	Intrepid MWD (ST)	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
141.0	0.22	140.44	141.0	-0.2	0.2	0.16	0.16	0.00	0.0	0.0
230.0	0.00	333.01	230.0	-0.3	0.3	0.25	-0.25	0.00	0.0	0.0
315.0	0.04	1.13	315.0	-0.3	0.3	0.05	0.05	0.00	0.0	0.0
502.0	0.18	188.25	502.0	-0.5	0.2	0.12	0.07	-92.45	0.0	0.0
594.0	0.00	30.75	594.0	-0.7	0.2	0.20	-0.20	0.00	0.0	0.0
688.0	0.18	152.66	688.0	-0.8	0.3	0.19	0.19	0.00	0.0	0.0
782.0	0.22	150.81	782.0	-1.1	0.4	0.04	0.04	-1.97	0.0	0.0
844.0	0.31	156.88	844.0	-1.4	0.6	0.15	0.15	9.79	0.0	0.0
1,031.0	0.30	142.60	1,031.0	-2.2	1.1	0.04	-0.01	-7.64	0.0	0.0
1,094.0	0.50	151.50	1,094.0	-2.6	1.3	0.33	0.32	14.13	0.0	0.0
1,225.0	0.80	166.50	1,225.0	-4.0	1.8	0.26	0.23	11.45	0.0	0.0
1,411.0	0.30	278.00	1,411.0	-5.2	1.6	0.51	-0.27	59.95	0.0	0.0
1,598.0	0.10	231.70	1,598.0	-5.2	1.0	0.13	-0.11	-24.76	0.0	0.0
1,786.0	0.20	12.20	1,786.0	-5.0	0.9	0.15	0.05	74.73	0.0	0.0
1,973.0	0.30	200.90	1,973.0	-5.1	0.8	0.27	0.05	-91.60	0.0	0.0
2,161.0	1.50	27.30	2,161.0	-3.4	1.8	0.96	0.64	-92.34	0.0	0.0
2,349.0	1.50	35.30	2,348.9	0.8	4.3	0.11	0.00	4.26	0.0	0.0
2,537.0	0.30	51.70	2,536.9	3.1	6.1	0.65	-0.64	8.72	0.0	0.0
2,724.0	1.50	54.70	2,723.8	4.8	8.5	0.64	0.64	1.60	0.0	0.0
2,912.0	3.10	52.80	2,911.7	9.3	14.6	0.85	0.85	-1.01	0.0	0.0



EOG Resources, Inc.

PVA

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Local Co-ordinate Reference: Well #702H
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 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)
3,100.0	3.60	57.20	3,099.4	15.6	23.6	0.30	0.27	2.34	0.0	0.0
3,288.0	5.80	64.60	3,286.7	22.9	37.1	1.21	1.17	3.94	0.0	0.0
3,475.0	6.70	72.20	3,472.6	30.3	56.1	0.65	0.48	4.06	0.0	0.0
3,663.0	7.90	57.10	3,659.1	40.6	77.3	1.20	0.64	-8.03	0.0	0.0
3,851.0	7.30	35.90	3,845.5	57.3	95.2	1.52	-0.32	-11.28	0.0	0.0
4,039.0	7.90	40.30	4,031.8	76.9	110.6	0.44	0.32	2.34	0.0	0.0
4,226.0	6.80	19.90	4,217.3	97.1	122.6	1.50	-0.59	-10.91	0.0	0.0
4,414.0	6.20	18.30	4,404.1	117.2	129.6	0.33	-0.32	-0.85	0.0	0.0
4,601.0	5.00	40.30	4,590.2	133.0	138.1	1.30	-0.64	11.76	0.0	0.0
4,790.0	4.40	54.40	4,778.6	143.5	149.3	0.69	-0.32	7.46	0.0	0.0
4,977.0	4.70	79.90	4,965.0	149.0	162.7	1.08	0.16	13.64	0.0	0.0
5,165.0	6.70	50.50	5,152.1	157.3	178.7	1.85	1.06	-15.64	0.0	0.0
5,352.0	5.80	44.80	5,338.0	171.0	193.8	0.58	-0.48	-3.05	0.0	0.0
5,539.0	6.80	37.10	5,523.9	186.5	207.1	0.70	0.53	-4.12	0.0	0.0
5,726.0	6.30	38.40	5,709.7	203.4	220.2	0.28	-0.27	0.70	0.0	0.0
5,913.0	5.90	38.00	5,895.6	219.0	232.5	0.22	-0.21	-0.21	0.0	0.0
6,100.0	5.80	36.70	6,081.6	234.1	244.0	0.09	-0.05	-0.70	0.0	0.0
6,288.0	5.10	33.60	6,268.8	248.7	254.3	0.40	-0.37	-1.65	0.0	0.0
6,475.0	4.80	30.60	6,455.1	262.4	262.9	0.21	-0.16	-1.60	0.0	0.0
6,661.0	5.50	30.90	6,640.3	276.7	271.5	0.38	0.38	0.16	0.0	0.0
6,848.0	5.40	29.70	6,826.5	292.1	280.4	0.08	-0.05	-0.64	0.0	0.0
7,035.0	5.00	27.30	7,012.7	306.9	288.5	0.24	-0.21	-1.28	0.0	0.0
7,223.0	4.20	30.20	7,200.1	320.2	295.7	0.44	-0.43	1.54	0.0	0.0
7,410.0	3.50	27.40	7,386.7	331.2	301.8	0.39	-0.37	-1.50	0.0	0.0
7,598.0	3.80	25.80	7,574.3	341.9	307.2	0.17	0.16	-0.85	0.0	0.0
7,785.0	3.30	30.80	7,761.0	352.1	312.6	0.31	-0.27	2.67	0.0	0.0
7,972.0	3.30	18.50	7,947.7	361.8	317.1	0.38	0.00	-6.58	0.0	0.0



EOG Resources, Inc.

PVA

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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)
8,160.0	2.40	20.80	8,135.4	370.6	320.2	0.48	-0.48	1.22	0.0	0.0
8,347.0	1.40	29.80	8,322.3	376.2	322.7	0.56	-0.53	4.81	0.0	0.0
8,534.0	1.60	23.20	8,509.3	380.6	324.9	0.14	0.11	-3.53	0.0	0.0
8,722.0	1.00	349.00	8,697.2	384.6	325.6	0.51	-0.32	-18.19	0.0	0.0
8,910.0	0.50	249.40	8,885.2	386.0	324.5	0.63	-0.27	-52.98	0.0	0.0
9,098.0	0.40	268.80	9,073.2	385.7	323.1	0.10	-0.05	10.32	0.0	0.0
9,286.0	0.40	272.50	9,261.2	385.7	321.8	0.01	0.00	1.97	0.0	0.0
9,472.0	0.90	353.20	9,447.2	387.2	321.0	0.50	0.27	43.39	0.0	0.0
9,658.0	1.60	0.70	9,633.1	391.2	320.8	0.39	0.38	4.03	0.0	0.0
9,845.0	1.30	319.00	9,820.1	395.4	319.5	0.57	-0.16	-22.30	0.0	0.0
10,032.0	2.50	249.70	10,007.0	395.6	314.2	1.27	0.64	-37.06	0.0	0.0
10,218.0	0.70	305.70	10,192.9	394.9	309.5	1.18	-0.97	30.11	0.0	0.0
10,406.0	1.50	239.50	10,380.9	394.3	306.5	0.73	0.43	-35.21	0.0	0.0
10,592.0	1.20	186.40	10,566.8	391.1	304.1	0.66	-0.16	-28.55	0.0	0.0
10,780.0	0.50	184.10	10,754.8	388.3	303.9	0.37	-0.37	-1.22	0.0	0.0
10,968.0	0.30	174.80	10,942.8	387.0	303.9	0.11	-0.11	-4.95	0.0	0.0
11,155.0	1.40	216.00	11,129.8	384.7	302.6	0.64	0.59	22.03	0.0	0.0
11,343.0	3.30	147.00	11,317.7	378.3	304.2	1.64	1.01	-36.70	0.0	0.0
11,530.0	2.50	72.00	11,504.5	375.0	311.0	1.92	-0.43	-40.11	0.0	0.0
11,718.0	1.00	316.90	11,692.4	377.5	313.7	1.63	-0.80	-61.22	0.0	0.0
11,833.0	1.30	268.20	11,807.4	378.2	311.8	0.86	0.26	-42.35	0.0	0.0
11,952.0	2.10	269.00	11,926.3	378.1	308.2	0.67	0.67	0.67	0.0	0.0
12,046.0	3.00	227.90	12,020.2	376.4	304.7	2.10	0.96	-43.72	0.0	0.0
12,093.0	10.50	177.90	12,066.9	371.3	303.9	18.87	15.96	-106.38	0.0	0.0
12,140.0	18.40	167.80	12,112.4	359.8	305.6	17.58	16.81	-21.49	0.0	0.0
12,187.0	27.20	161.40	12,155.7	342.3	310.7	19.43	18.72	-13.62	0.0	0.0
12,234.0	30.50	163.40	12,196.9	320.7	317.5	7.31	7.02	4.26	0.0	0.0



EOG Resources, Inc.

PVA

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12,281.0	32.10	166.60	12,237.0	297.1	323.8	4.91	3.40	6.81	0.0	0.0
12,327.0	38.10	174.60	12,274.7	271.1	328.0	16.41	13.04	17.39	0.0	0.0
12,374.0	39.70	176.90	12,311.2	241.6	330.1	4.59	3.40	4.89	0.0	0.0
12,420.0	42.20	176.70	12,346.0	211.5	331.8	5.44	5.43	-0.43	0.0	0.0
12,467.0	45.30	176.80	12,379.9	179.1	333.7	6.60	6.60	0.21	0.0	0.0
12,514.0	48.80	176.80	12,411.9	144.7	335.6	7.45	7.45	0.00	0.0	0.0
12,561.0	47.80	177.50	12,443.2	109.7	337.3	2.40	-2.13	1.49	0.0	0.0
12,608.0	52.60	177.10	12,473.3	73.6	339.0	10.23	10.21	-0.85	0.0	0.0
12,655.0	59.80	171.30	12,499.4	34.8	343.1	18.43	15.32	-12.34	0.0	0.0
12,701.0	62.90	166.40	12,521.5	-4.7	350.9	11.52	6.74	-10.65	0.0	0.0
12,748.0	71.50	166.30	12,539.7	-46.8	361.1	18.30	18.30	-0.21	0.0	0.0
12,794.0	80.20	167.30	12,550.9	-90.2	371.3	19.03	18.91	2.17	0.0	0.0
12,841.0	87.60	171.30	12,555.9	-136.1	379.9	17.87	15.74	8.51	0.0	0.0
12,878.0	82.90	176.20	12,559.0	-172.7	383.9	18.31	-12.70	13.24	0.3	-0.8
12,917.0	84.70	181.00	12,563.2	-211.5	384.9	13.08	4.62	12.31	1.4	-2.5
12,948.0	86.30	184.20	12,565.6	-242.3	383.5	11.51	5.16	10.32	2.0	-3.8
12,979.0	87.50	185.10	12,567.3	-273.2	381.0	4.84	3.87	2.90	2.4	-4.2
13,042.0	89.10	186.00	12,569.2	-335.8	374.9	2.91	2.54	1.43	3.5	-0.2
13,064.0	89.70	185.50	12,569.4	-357.7	372.7	3.55	2.73	-2.27	4.1	2.9
13,157.0	93.10	187.20	12,567.1	-450.1	362.4	4.09	3.66	1.83	4.8	18.7
13,251.0	89.50	185.80	12,565.0	-543.5	351.8	4.11	-3.83	-1.49	5.4	28.6
13,346.0	94.70	187.90	12,561.5	-637.7	340.5	5.90	5.47	2.21	4.5	31.5
13,439.0	91.20	186.90	12,556.7	-729.8	328.5	3.91	-3.76	-1.08	2.1	27.0
13,534.0	92.00	188.20	12,554.1	-823.9	316.0	1.61	0.84	1.37	1.4	16.0
13,627.0	88.80	188.90	12,553.4	-915.9	302.2	3.52	-3.44	0.75	2.8	2.2
13,721.0	86.50	186.20	12,557.3	-1,009.0	289.9	3.77	-2.45	-2.87	8.6	-10.2
13,814.0	89.00	180.70	12,560.9	-1,101.7	284.3	6.49	2.69	-5.91	14.2	-15.7



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Hound 30 Fed
Well: #702H
Wellbore: ST
Design: ST

Local Co-ordinate Reference: Well #702H
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)
13,908.0	89.10	176.10	12,562.5	-1,195.6	286.9	4.89	0.11	-4.89	17.7	-13.1
14,001.0	94.90	178.90	12,559.2	-1,288.4	290.9	6.92	6.24	3.01	14.6	-9.7
14,095.0	92.00	179.00	12,553.6	-1,382.2	292.7	3.09	-3.09	0.11	7.9	-9.0
14,188.0	89.80	179.00	12,552.1	-1,475.2	294.3	2.37	-2.37	0.00	5.3	-8.5
14,282.0	90.20	179.00	12,552.1	-1,569.2	295.9	0.43	0.43	0.00	4.2	-8.0
14,375.0	89.80	179.00	12,552.1	-1,662.2	297.6	0.43	-0.43	0.00	3.1	-7.4
14,468.0	91.80	181.60	12,550.8	-1,755.1	297.1	3.53	2.15	2.80	0.6	-9.0
14,562.0	90.60	181.10	12,548.9	-1,849.1	294.9	1.38	-1.28	-0.53	-2.5	-12.3
14,656.0	88.10	177.30	12,549.9	-1,943.0	296.2	4.84	-2.66	-4.04	-2.5	-12.1
14,749.0	86.00	175.50	12,554.7	-2,035.7	302.0	2.97	-2.26	-1.94	1.2	-7.3
14,843.0	86.60	176.20	12,560.8	-2,129.3	308.8	0.98	0.64	0.74	6.1	-1.6
14,937.0	88.30	175.80	12,565.0	-2,223.0	315.3	1.86	1.81	-0.43	9.1	3.8
15,030.0	89.50	176.30	12,566.7	-2,315.7	321.7	1.40	1.29	0.54	9.8	9.1
15,124.0	91.50	178.80	12,565.9	-2,409.6	325.8	3.41	2.13	2.66	7.9	12.0
15,218.0	90.00	179.90	12,564.7	-2,503.6	326.8	1.98	-1.60	1.17	5.5	12.0
15,312.0	87.40	179.40	12,566.8	-2,597.6	327.4	2.82	-2.77	-0.53	6.5	11.5
15,405.0	91.60	179.90	12,567.6	-2,690.5	328.0	4.55	4.52	0.54	6.2	11.0
15,499.0	91.30	178.60	12,565.3	-2,784.5	329.2	1.42	-0.32	-1.38	2.7	11.1
15,592.0	90.10	177.30	12,564.1	-2,877.4	332.5	1.90	-1.29	-1.40	0.4	13.3
15,685.0	89.80	177.30	12,564.2	-2,970.3	336.9	0.32	-0.32	0.00	-0.6	16.6
15,779.0	90.10	176.10	12,564.3	-3,064.2	342.3	1.32	0.32	-1.28	-1.7	21.0
15,873.0	90.60	176.90	12,563.7	-3,158.0	348.1	1.00	0.53	0.85	-3.3	25.6
15,967.0	90.20	177.30	12,563.1	-3,251.9	352.8	0.60	-0.43	0.43	-5.1	29.3
16,061.0	89.80	179.20	12,563.1	-3,345.8	355.7	2.07	-0.43	2.02	-6.3	31.0
16,163.0	89.10	179.80	12,564.0	-3,447.8	356.6	0.90	-0.69	0.59	-6.5	30.7
16,257.0	90.50	181.90	12,564.4	-3,541.8	355.2	2.68	1.49	2.23	-7.3	28.2
16,351.0	91.60	181.70	12,562.6	-3,635.7	352.2	1.19	1.17	-0.21	-10.2	24.2



EOG Resources, Inc.
PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #702H
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:	#702H	North Reference:	Grid
Wellbore:	ST	Survey Calculation Method:	Minimum Curvature
Design:	ST	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)	
16,445.0	92.50	182.10	12,559.3	-3,729.6	349.1	1.05	0.96	0.43	-14.7	20.0	
16,539.0	90.90	180.80	12,556.5	-3,823.5	346.7	2.19	-1.70	-1.38	-18.6	16.5	
16,633.0	89.90	179.70	12,555.8	-3,917.5	346.3	1.58	-1.06	-1.17	-20.4	15.0	
16,718.0	87.20	178.90	12,558.0	-4,002.5	347.4	3.31	-3.18	-0.94	-19.2	15.0	
16,810.0	89.50	177.20	12,560.6	-4,094.4	350.5	3.11	2.50	-1.85	-17.7	17.1	
16,904.0	92.40	177.10	12,559.1	-4,188.2	355.2	3.09	3.09	-0.11	-20.4	20.7	
16,998.0	93.50	176.70	12,554.2	-4,282.0	360.2	1.24	1.17	-0.43	-26.3	24.7	
17,092.0	93.80	178.60	12,548.3	-4,375.7	364.1	2.04	0.32	2.02	-33.4	27.5	
17,185.0	95.20	178.10	12,541.0	-4,468.4	366.8	1.60	1.51	-0.54	-41.8	29.1	
17,279.0	91.20	178.30	12,535.7	-4,562.2	369.7	4.26	-4.26	0.21	-48.2	30.8	
17,373.0	89.90	180.40	12,534.8	-4,656.2	370.8	2.63	-1.38	2.23	-50.3	30.8	
17,467.0	87.20	181.20	12,537.2	-4,750.1	369.5	3.00	-2.87	0.85	-49.0	28.4	
17,560.0	89.20	182.60	12,540.1	-4,843.0	366.4	2.62	2.15	1.51	-47.2	24.2	
17,653.0	85.40	183.80	12,544.5	-4,935.7	361.2	4.28	-4.09	1.29	-43.9	18.0	
17,746.0	86.90	184.80	12,550.7	-5,028.3	354.2	1.94	1.61	1.08	-38.8	10.0	
17,839.0	89.60	186.30	12,553.6	-5,120.8	345.2	3.32	2.90	1.61	-37.1	-0.1	
17,932.0	88.00	185.80	12,555.5	-5,213.2	335.4	1.80	-1.72	-0.54	-36.3	-10.9	
18,025.0	87.90	182.00	12,558.9	-5,305.9	329.1	4.08	-0.11	-4.09	-34.1	-18.4	
18,118.0	89.50	181.30	12,561.0	-5,398.9	326.4	1.88	1.72	-0.75	-33.1	-22.2	
18,211.0	88.40	180.90	12,562.7	-5,491.8	324.7	1.26	-1.18	-0.43	-32.5	-25.0	
18,304.0	90.50	182.40	12,563.6	-5,584.8	322.0	2.77	2.26	1.61	-32.7	-28.8	
18,397.0	89.20	179.90	12,563.8	-5,677.8	320.1	3.03	-1.40	-2.69	-33.6	-31.8	
18,491.0	86.70	177.90	12,567.2	-5,771.7	321.9	3.40	-2.66	-2.13	-31.3	-31.1	
18,584.0	89.10	177.80	12,570.6	-5,864.5	325.4	2.58	2.58	-0.11	-29.0	-28.7	
18,678.0	88.80	178.20	12,572.3	-5,958.5	328.7	0.53	-0.32	0.43	-28.4	-26.5	
18,772.0	85.20	177.00	12,577.2	-6,052.2	332.6	4.04	-3.83	-1.28	-24.6	-23.7	
18,865.0	85.10	177.20	12,585.1	-6,144.8	337.3	0.24	-0.11	0.22	-17.9	-20.1	



EOG Resources, Inc.
PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #702H
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Site:	Hound 30 Fed	MD Reference:	KB = 25' @ 3342.0usft (H&P 642)
Well:	#702H	North Reference:	Grid
Wellbore:	ST	Survey Calculation Method:	Minimum Curvature
Design:	ST	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)
18,959.0	86.90	178.10	12,591.6	-6,238.5	341.1	2.14	1.91	0.96	-12.5	-17.3
19,053.0	86.40	177.50	12,597.1	-6,332.2	344.7	0.83	-0.53	-0.64	-8.1	-14.8
19,146.0	86.30	177.70	12,603.0	-6,425.0	348.6	0.24	-0.11	0.22	-3.3	-12.0
19,240.0	90.10	177.40	12,606.0	-6,518.8	352.6	4.06	4.04	-0.32	-1.5	-9.1
19,333.0	89.30	177.40	12,606.5	-6,611.7	356.9	0.86	-0.86	0.00	-2.1	-5.9
19,427.0	88.70	176.10	12,608.1	-6,705.5	362.2	1.52	-0.64	-1.38	-1.6	-1.7
19,520.0	89.90	175.40	12,609.3	-6,798.3	369.1	1.49	1.29	-0.75	-1.6	4.1
19,613.0	91.60	175.30	12,608.0	-6,891.0	376.6	1.83	1.83	-0.11	-3.9	10.6
19,707.0	92.00	175.20	12,605.1	-6,984.6	384.4	0.44	0.43	-0.11	-8.0	17.3
19,800.0	93.10	175.10	12,601.0	-7,077.2	392.3	1.19	1.18	-0.11	-13.2	24.1
Last MWD Survey										
19,855.0	93.10	175.10	12,598.0	-7,131.9	397.0	0.00	0.00	0.00	-16.8	28.1
Projection To Bit										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
19,800.0	12,601.0	-7,077.2	392.3	Last MWD Survey
19,855.0	12,598.0	-7,131.9	397.0	Projection To Bit

Checked By: _____ Approved By: _____ Date: _____