

HOBBS OCD

OCT 31 2017

RECEIVED



Lea County, NM (NAD 27 NME)

Bridge State Unit #602H

H&P 653

Plan #1

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: #602H

Ground Level: 3533.0
KB = 25 @ 3558.0usft (H&P 653)
Northing: 494472.00 Easting: 791888.00
Latitude: 32° 21' 21.56 N Longitude: 103° 23' 17.133 W



Azimuths to Grid North
True North: -0.51°
Magnetic North: 6.41°
Magnetic Field
Strength: 48071.8nT
Dip Angle: 60.22°
Date: 2/7/2017
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.41°
To convert a Magnetic Direction to a True Direction, Add 6.92° East
To convert a True Direction to a Grid Direction, Subtract 0.51°

SECTION DETAILS

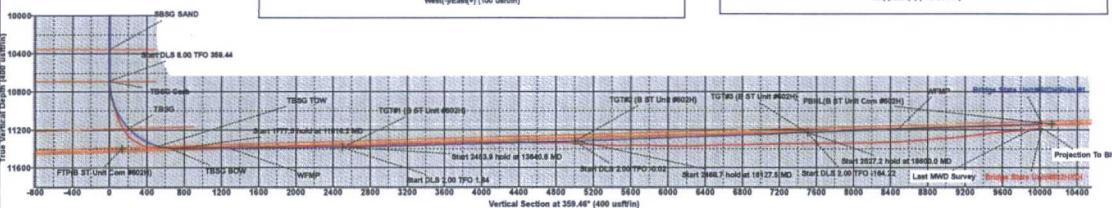
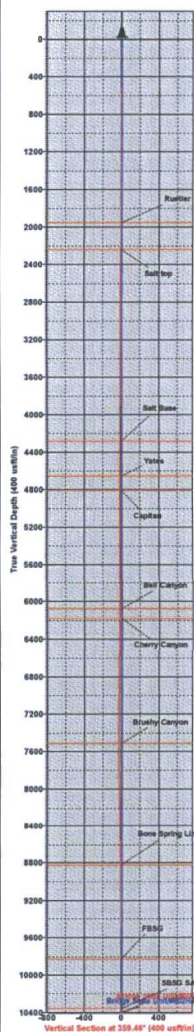
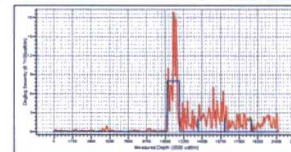
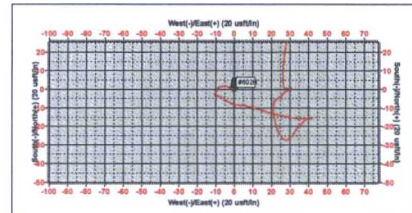
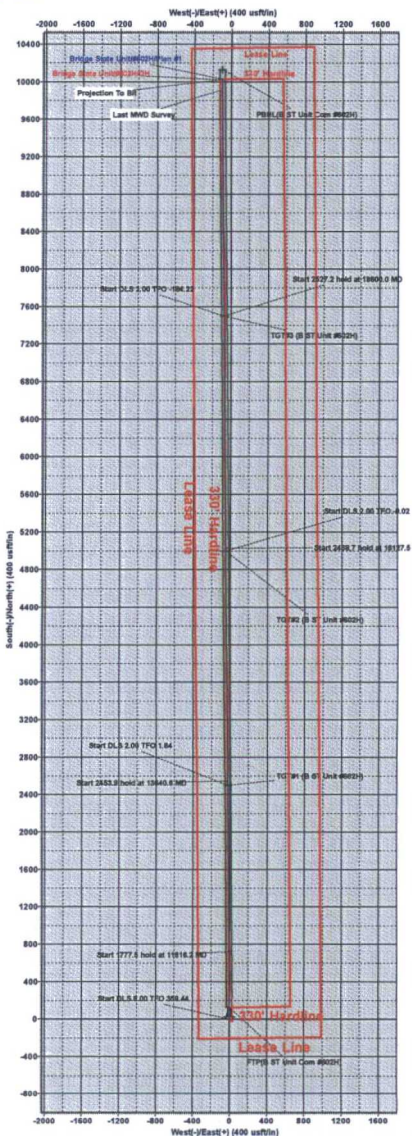
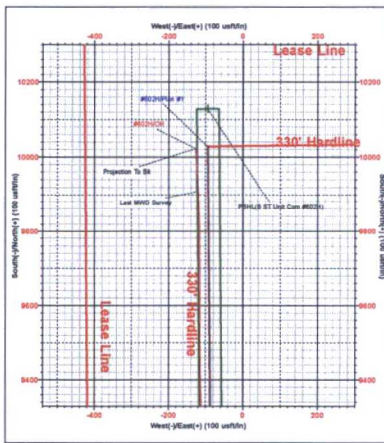
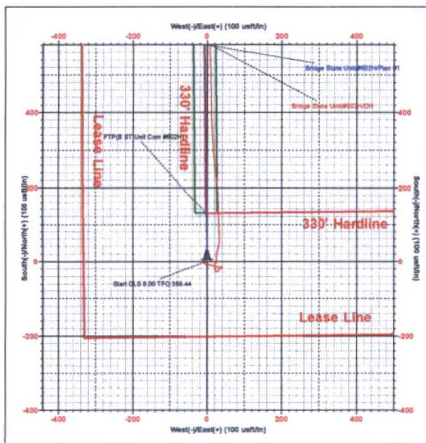
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.00	0.0	
2	10584.8	0.00	0.00	10584.8	0.0	0.00	0.00	0.00	0.0	
3	11816.2	90.51	359.44	11401.0	722.6	-7.1	8.00	359.44	722.6	TGT#1 (B ST Unit #602H)
4	13593.7	90.51	359.44	11385.0	2499.9	-24.4	0.00	0.00	2500.0	
5	13640.6	91.45	359.47	11384.2	2546.8	-24.9	2.00	1.84	2546.9	TGT#2 (B ST Unit #602H)
6	16094.5	91.45	359.47	11322.0	4999.8	-47.6	0.00	0.00	5000.0	
7	16127.5	92.11	359.47	11321.0	5032.8	-47.9	2.00	-0.02	5033.0	TGT#3 (B ST Unit #602H)
8	18596.2	92.11	359.47	11230.0	7499.7	-70.7	0.00	0.00	7500.0	
9	18600.0	92.04	359.45	11229.9	7503.5	-70.7	2.00	-164.22	7503.9	
10	21127.2	92.04	359.45	11140.0	10029.0	-95.0	0.00	0.00	10029.4	PBHL(B ST Unit Com #602H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL(B ST Unit Com #602H)	11140.0	10129.0	-95.0	804601.00	791793.00
TGT#1 (B ST Unit #602H)	11230.0	7499.7	-70.7	801971.70	791817.32
TGT#2 (B ST Unit #602H)	11322.0	4999.8	-47.6	499471.80	791840.45
TGT#3 (B ST Unit #602H)	11385.0	2499.9	-24.4	499371.30	791863.57
FTP(B ST Unit Com #602H)	11401.0	130.0	-2.0	494602.00	791888.00





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Bridge State Unit

#602H

OH

Design: OH

PVA

03 April, 2017



EOG Resources, Inc.
PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #602H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25 @ 3558.0usft (H&P 653)
Site:	Bridge State Unit	MD Reference:	KB = 25 @ 3558.0usft (H&P 653)
Well:	#602H	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	Bridge State Unit		
Site Position:		Northing:	499,773.00 usft
From:	Map	Easting:	789,197.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 22' 13.842 N
		Longitude:	103° 23' 47.960 W
		Grid Convergence:	0.50 °

Well		#602H				
Well Position	+N/-S	0.0 usft	Northing:	494,472.00 usft	Latitude:	32° 21' 21.156 N
	+E/-W	0.0 usft	Easting:	791,888.00 usft	Longitude:	103° 23' 17.133 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,533.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/7/2017	6.92	60.22	48,072

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	359.46

Survey Program		Date 4/3/2017		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
197.0	21,175.0	Intrepid MWD #1 (OH)	MWD	MWD - Standard



EOG Resources, Inc.
PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #602H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25 @ 3558.0usft (H&P 653)
Site:	Bridge State Unit	MD Reference:	KB = 25 @ 3558.0usft (H&P 653)
Well:	#602H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	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
197.0	0.70	289.60	197.0	0.4	-1.1	0.36	0.36	0.00	-1.2	0.0
378.0	0.50	313.90	378.0	1.3	-2.7	0.18	-0.11	13.43	-2.9	1.0
500.0	0.30	298.30	500.0	1.8	-3.4	0.19	-0.16	-12.79	-3.9	0.0
686.0	0.40	247.00	686.0	1.8	-4.4	0.17	0.05	-27.58	-3.4	-3.4
872.0	0.40	287.70	872.0	1.8	-5.7	0.15	0.00	21.88	-5.9	0.0
1,057.0	0.50	261.00	1,057.0	1.8	-7.1	0.12	0.05	-14.43	-6.7	-2.9
1,242.0	0.40	223.10	1,242.0	1.2	-8.3	0.17	-0.05	-20.49	-4.8	-6.9
1,427.0	0.40	198.50	1,427.0	0.2	-8.9	0.09	0.00	-13.30	-2.7	-8.5
1,615.0	0.50	207.70	1,615.0	-1.2	-9.5	0.07	0.05	4.89	-5.5	-7.9
1,802.0	0.40	226.80	1,801.9	-2.4	-10.4	0.10	-0.05	10.21	-9.2	-5.4
1,896.0	0.30	190.80	1,895.9	-2.8	-10.7	0.25	-0.11	-38.30	-4.8	-10.0
2,025.0	0.30	79.00	2,024.9	-3.1	-10.4	0.39	0.00	-86.67	10.8	-1.1
2,214.0	0.80	107.50	2,213.9	-3.4	-8.7	0.29	0.26	15.08	7.2	-5.9
2,401.0	0.80	113.70	2,400.9	-4.3	-6.2	0.05	0.00	3.32	4.0	-6.5
2,589.0	0.50	148.20	2,588.9	-5.5	-4.6	0.26	-0.16	18.35	-2.3	-6.8
2,777.0	0.40	100.30	2,776.9	-6.4	-3.5	0.20	-0.05	-25.48	2.3	-6.9
2,965.0	0.70	123.50	2,964.9	-7.1	-1.9	0.20	0.16	12.34	-2.3	-7.0
3,152.0	0.80	109.20	3,151.9	-8.2	0.3	0.11	0.05	-7.65	-2.9	-7.6
3,339.0	0.70	78.20	3,338.9	-8.4	2.6	0.22	-0.05	-16.58	-0.9	-8.7
3,528.0	1.00	101.30	3,527.8	-8.5	5.4	0.24	0.16	12.22	-6.9	-7.2
3,716.0	1.50	106.50	3,715.8	-9.5	9.3	0.27	0.27	2.77	-11.6	-6.4
3,902.0	1.50	104.60	3,901.7	-10.8	14.0	0.03	0.00	-1.02	-16.3	-6.9
4,090.0	1.50	109.40	4,089.7	-12.2	18.7	0.07	0.00	2.55	-21.7	-5.3
4,278.0	1.80	99.50	4,277.6	-13.5	24.0	0.22	0.16	-5.27	-25.9	-9.4
4,465.0	2.10	104.80	4,464.5	-14.9	30.2	0.19	0.16	2.83	-33.0	-6.7
4,654.0	1.30	86.40	4,653.4	-15.6	35.7	0.51	-0.42	-9.74	-34.6	-17.8



EOG Resources, Inc.
PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #602H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25 @ 3558.0usft (H&P 653)
Site:	Bridge State Unit	MD Reference:	KB = 25 @ 3558.0usft (H&P 653)
Well:	#602H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	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)	
4,841.0	1.50	94.40	4,840.3	-15.7	40.2	0.15	0.11	4.28	-41.3	-12.6	
5,028.0	0.30	302.30	5,027.3	-15.6	42.2	0.95	-0.64	-81.34	44.1	-9.4	
5,215.0	0.40	288.50	5,214.3	-15.1	41.2	0.07	0.05	-7.38	43.9	1.3	
5,402.0	0.20	12.70	5,401.3	-14.6	40.7	0.23	-0.11	45.03	5.3	-42.9	
5,589.0	0.40	238.90	5,588.3	-14.6	40.2	0.30	0.11	-71.55	26.8	33.3	
5,777.0	0.40	213.90	5,776.3	-15.5	39.3	0.09	0.00	-13.30	9.0	41.2	
5,949.0	0.40	227.20	5,948.3	-16.4	38.5	0.05	0.00	7.73	17.1	38.2	
6,115.0	0.30	228.20	6,114.3	-17.1	37.7	0.06	-0.06	0.60	16.7	37.9	
6,303.0	0.60	224.00	6,302.3	-18.1	36.7	0.16	0.16	-2.23	12.4	39.0	
6,491.0	0.60	224.00	6,490.3	-19.6	35.3	0.00	0.00	0.00	10.5	39.0	
6,678.0	0.60	215.30	6,677.3	-21.1	34.1	0.05	0.00	-4.65	2.5	40.0	
6,865.0	0.60	211.60	6,864.3	-22.7	33.0	0.02	0.00	-1.98	-2.0	40.0	
7,053.0	0.80	215.90	7,052.3	-24.6	31.7	0.11	0.11	2.29	-1.3	40.1	
7,240.0	0.70	231.30	7,239.2	-26.4	30.0	0.12	-0.05	8.24	7.0	39.4	
7,428.0	0.60	263.80	7,427.2	-27.2	28.2	0.20	-0.05	17.29	25.1	30.1	
7,615.0	0.80	314.30	7,614.2	-26.4	26.3	0.33	0.11	27.01	37.2	0.5	
7,802.0	1.00	330.10	7,801.2	-24.1	24.5	0.17	0.11	8.45	33.1	-9.3	
7,989.0	1.30	343.70	7,988.2	-20.6	23.1	0.22	0.16	7.27	26.3	-16.4	
8,177.0	1.20	346.80	8,176.1	-16.6	22.1	0.06	-0.05	1.65	21.2	-17.7	
8,365.0	1.10	355.90	8,364.1	-12.9	21.5	0.11	-0.05	4.84	14.4	-20.5	
8,553.0	1.00	357.00	8,552.0	-9.5	21.3	0.05	-0.05	0.59	10.6	-20.7	
8,740.0	0.90	15.10	8,739.0	-6.4	21.6	0.17	-0.05	9.68	0.6	-22.5	
8,928.0	0.70	93.90	8,927.0	-5.1	23.1	0.55	-0.11	41.91	-23.4	-3.5	
9,116.0	0.90	41.70	9,115.0	-4.1	25.2	0.39	0.11	-27.77	-13.7	-21.5	
9,302.0	0.80	32.30	9,301.0	-1.9	26.9	0.09	-0.05	-5.05	-12.8	-23.7	
9,490.0	0.40	83.10	9,489.0	-0.7	28.2	0.33	-0.21	27.02	-27.9	-4.1	
9,679.0	0.40	54.30	9,678.0	-0.2	29.4	0.11	0.00	-15.24	-23.8	-17.4	



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Bridge State Unit
 Well: #602H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #602H
 TVD Reference: KB = 25 @ 3558.0usft (H&P 653)
 MD Reference: KB = 25 @ 3558.0usft (H&P 653)
 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)	
9,866.0	0.40	70.20	9,864.9	0.4	30.6	0.06	0.00	8.50	-28.9	-10.0	
10,053.0	0.10	28.90	10,051.9	0.7	31.3	0.18	-0.16	-22.09	-15.8	-27.0	
10,241.0	0.20	228.90	10,239.9	0.7	31.1	0.16	0.05	-85.11	23.9	19.9	
10,429.0	0.40	275.30	10,427.9	0.5	30.2	0.16	0.11	24.68	30.0	-3.3	
10,617.0	0.80	270.40	10,615.9	0.6	28.2	0.21	0.21	-2.61	28.2	-0.8	
10,669.0	0.90	271.20	10,667.9	0.6	27.5	0.19	0.19	1.54	27.4	-1.2	
10,716.0	2.50	349.40	10,714.9	1.6	26.9	5.27	3.40	166.38	4.0	-26.6	
10,763.0	6.30	356.10	10,761.8	5.2	26.5	8.15	8.09	14.26	0.8	-26.6	
10,810.0	10.90	3.60	10,808.2	12.2	26.6	10.05	9.79	15.96	-3.1	-26.6	
10,857.0	14.20	9.00	10,854.1	22.3	27.8	7.44	7.02	11.49	-6.2	-27.4	
10,904.0	15.50	12.90	10,899.5	34.1	30.1	3.49	2.77	8.30	-7.7	-29.5	
10,951.0	16.80	9.60	10,944.7	47.0	32.7	3.38	2.77	-7.02	-3.6	-33.0	
10,998.0	18.20	2.50	10,989.5	61.0	34.1	5.43	2.98	-15.11	4.9	-35.0	
11,045.0	20.90	356.20	11,033.8	76.7	33.9	7.28	5.74	-13.40	14.3	-34.0	
11,092.0	24.40	356.40	11,077.2	94.8	32.7	7.45	7.45	0.43	20.5	-32.8	
11,139.0	27.50	356.30	11,119.4	115.3	31.4	6.60	6.60	-0.21	27.0	-31.4	
11,186.0	29.50	358.90	11,160.7	137.7	30.5	5.01	4.26	5.53	33.2	-31.8	
11,237.0	32.00	0.00	11,204.5	163.8	30.2	5.02	4.90	2.16	42.0	-32.6	
11,284.0	38.10	355.20	11,243.0	190.7	29.0	14.23	12.98	-10.21	52.1	-28.4	
11,331.0	46.90	353.50	11,277.6	222.2	25.9	18.88	18.72	-3.62	57.4	-24.2	
11,376.0	55.10	354.20	11,305.9	257.0	22.1	18.26	18.22	1.56	57.7	-21.5	
11,423.0	60.60	355.20	11,330.9	296.6	18.5	11.84	11.70	2.13	55.1	-19.2	
11,471.0	64.70	356.40	11,353.0	339.1	15.4	8.83	8.54	2.50	51.6	-17.4	
11,518.0	71.20	357.60	11,370.6	382.6	13.1	14.03	13.83	2.55	46.7	-16.3	
11,565.0	79.40	359.20	11,382.5	428.0	11.8	17.75	17.45	3.40	38.7	-16.2	
11,659.0	90.10	358.90	11,391.1	521.4	10.3	11.39	11.38	-0.32	16.2	-15.7	
11,721.0	92.20	358.00	11,389.9	583.4	8.6	3.68	3.39	-1.45	1.2	-14.3	



EOG Resources, Inc.
PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #602H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25 @ 3558.0usft (H&P 653)
Site:	Bridge State Unit	MD Reference:	KB = 25 @ 3558.0usft (H&P 653)
Well:	#602H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	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)
11,789.0	92.70	358.90	11,387.0	651.3	6.8	1.51	0.74	1.32	-11.0	-13.2
11,883.0	92.40	359.60	11,382.8	745.2	5.5	0.81	-0.32	0.74	-18.0	-12.8
11,975.0	92.00	357.70	11,379.3	837.1	3.4	2.11	-0.43	-2.07	-20.7	-11.5
12,068.0	92.30	357.70	11,375.8	930.0	-0.4	0.32	0.32	0.00	-23.3	-8.7
12,159.0	88.20	358.10	11,375.4	1,020.9	-3.7	4.53	-4.51	0.44	-22.9	-6.3
12,252.0	88.40	357.90	11,378.1	1,113.8	-6.9	0.30	0.22	-0.22	-19.3	-3.9
12,345.0	91.70	359.10	11,378.0	1,206.8	-9.4	3.78	3.55	1.29	-18.6	-2.4
12,439.0	93.10	358.90	11,374.1	1,300.7	-11.0	1.50	1.49	-0.21	-21.7	-1.7
12,533.0	92.60	359.00	11,369.4	1,394.5	-12.7	0.54	-0.53	0.11	-25.5	-0.9
12,627.0	88.20	0.20	11,368.8	1,488.5	-13.4	4.85	-4.68	1.28	-25.3	-1.2
12,721.0	87.90	359.00	11,372.0	1,582.4	-14.0	1.32	-0.32	-1.28	-21.3	-1.4
12,816.0	88.70	358.60	11,374.8	1,677.4	-16.0	0.94	0.84	-0.42	-17.6	-0.4
12,909.0	89.70	358.10	11,376.1	1,770.3	-18.7	1.20	1.08	-0.54	-15.5	1.4
13,002.0	90.30	358.00	11,376.1	1,863.3	-21.9	0.65	0.65	-0.11	-14.6	3.7
13,097.0	92.50	0.40	11,373.8	1,958.2	-23.2	3.43	2.32	2.53	-16.1	4.1
13,191.0	92.30	0.70	11,369.8	2,052.1	-22.3	0.38	-0.21	0.32	-19.2	2.2
13,284.0	90.10	359.70	11,367.9	2,145.1	-22.0	2.60	-2.37	-1.08	-20.3	1.0
13,378.0	90.70	358.70	11,367.2	2,239.1	-23.3	1.24	0.64	-1.06	-20.1	1.4
13,472.0	90.80	359.50	11,366.0	2,333.1	-24.8	0.86	0.11	0.85	-20.5	2.0
13,565.0	89.80	0.80	11,365.5	2,426.1	-24.5	1.76	-1.08	1.40	-20.1	0.8
13,659.0	87.50	0.40	11,367.7	2,520.0	-23.5	2.48	-2.45	-0.43	-17.0	-1.1
13,752.0	91.40	1.20	11,368.6	2,613.0	-22.2	4.28	4.19	0.86	-13.9	-3.3
13,846.0	93.10	1.20	11,364.9	2,706.9	-20.3	1.81	1.81	0.00	-15.2	-6.1
13,939.0	91.30	2.40	11,361.4	2,799.8	-17.4	2.33	-1.94	1.29	-16.4	-9.9
14,033.0	93.10	1.30	11,357.8	2,893.7	-14.3	2.24	1.91	-1.17	-17.6	-13.8
14,127.0	90.40	1.70	11,354.9	2,987.6	-11.9	2.90	-2.87	0.43	-18.1	-17.1
14,221.0	91.20	359.60	11,353.6	3,081.5	-10.8	2.39	0.85	-2.23	-17.1	-19.0



EOG Resources, Inc.
PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Bridge State Unit
Well: #602H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #602H
TVD Reference: KB = 25 @ 3558.0usft (H&P 653)
MD Reference: KB = 25 @ 3558.0usft (H&P 653)
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)	
14,315.0	92.70	358.80	11,350.4	3,175.5	-12.1	1.81	1.60	-0.85	-17.9	-18.6	
14,409.0	92.00	359.30	11,346.5	3,269.4	-13.7	0.91	-0.74	0.53	-19.4	-17.9	
14,503.0	90.00	359.60	11,344.9	3,363.4	-14.6	2.15	-2.13	0.32	-18.6	-17.9	
14,597.0	92.70	359.90	11,342.7	3,457.3	-15.0	2.89	2.87	0.32	-18.4	-18.3	
14,691.0	89.90	357.60	11,340.5	3,551.3	-17.0	3.85	-2.98	-2.45	-18.2	-17.1	
14,784.0	92.50	357.00	11,338.6	3,644.1	-21.4	2.87	2.80	-0.65	-17.8	-13.6	
14,878.0	92.80	356.40	11,334.2	3,737.9	-26.8	0.71	0.32	-0.64	-19.8	-9.0	
14,972.0	93.50	357.20	11,329.1	3,831.6	-32.0	1.13	0.74	0.85	-22.5	-4.7	
15,066.0	86.90	357.40	11,328.7	3,925.4	-36.5	7.02	-7.02	0.21	-20.5	-1.1	
15,160.0	88.80	356.80	11,332.3	4,019.2	-41.2	2.12	2.02	-0.64	-14.6	2.8	
15,254.0	91.30	358.90	11,332.2	4,113.2	-44.8	3.47	2.66	2.23	-12.3	5.4	
15,348.0	91.60	359.50	11,329.8	4,207.1	-46.1	0.71	0.32	0.64	-12.3	5.8	
15,441.0	87.00	359.30	11,330.9	4,300.1	-47.0	4.95	-4.95	-0.22	-8.8	6.0	
15,534.0	89.30	358.90	11,333.9	4,393.0	-48.5	2.51	2.47	-0.43	-3.4	6.6	
15,628.0	87.70	0.10	11,336.4	4,487.0	-49.3	2.13	-1.70	1.28	1.4	6.5	
15,722.0	88.20	359.00	11,339.8	4,580.9	-50.1	1.28	0.53	-1.17	7.1	6.4	
15,816.0	92.70	358.90	11,339.0	4,674.9	-51.8	4.79	4.79	-0.11	8.8	7.2	
15,910.0	93.50	0.30	11,333.9	4,768.7	-52.4	1.71	0.85	1.49	6.1	7.0	
16,003.0	87.70	1.70	11,333.0	4,861.7	-50.8	6.42	-6.24	1.51	7.5	4.5	
16,097.0	84.90	1.00	11,339.0	4,955.4	-48.6	3.07	-2.98	-0.74	15.9	1.5	
16,190.0	84.30	359.90	11,347.8	5,048.0	-47.9	1.34	-0.65	-1.18	27.4	-0.1	
16,287.0	88.10	358.90	11,354.2	5,144.8	-48.9	4.05	3.92	-1.03	37.3	0.0	
16,380.0	87.60	358.90	11,357.7	5,237.7	-50.7	0.54	-0.54	0.00	44.3	0.9	
16,473.0	87.60	358.60	11,361.6	5,330.6	-52.7	0.32	0.00	-0.32	51.6	2.1	
16,567.0	89.40	358.60	11,364.1	5,424.5	-55.0	1.91	1.91	0.00	57.5	3.5	
16,660.0	89.80	358.10	11,364.7	5,517.5	-57.7	0.69	0.43	-0.54	61.6	5.3	
16,754.0	90.90	358.20	11,364.1	5,611.4	-60.7	1.18	1.17	0.11	64.5	7.4	



EOG Resources, Inc.
PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Bridge State Unit
Well: #602H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #602H
TVD Reference: KB = 25 @ 3558.0usft (H&P 653)
MD Reference: KB = 25 @ 3558.0usft (H&P 653)
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)
16,847.0	90.20	359.70	11,363.2	5,704.4	-62.4	1.78	-0.75	1.61	67.0	8.4
16,941.0	88.70	0.00	11,364.1	5,798.4	-62.7	1.63	-1.60	0.32	71.4	7.8
17,035.0	88.50	359.30	11,366.4	5,892.4	-63.2	0.77	-0.21	-0.74	77.1	7.4
17,129.0	88.70	358.90	11,368.7	5,986.3	-64.7	0.48	0.21	-0.43	82.9	8.0
17,222.0	88.90	358.50	11,370.7	6,079.3	-66.8	0.48	0.22	-0.43	88.3	9.2
17,315.0	90.20	0.80	11,371.4	6,172.3	-67.4	2.84	1.40	2.47	92.4	9.1
17,409.0	92.40	1.20	11,369.3	6,266.2	-65.7	2.38	2.34	0.43	93.7	6.6
17,502.0	93.10	1.10	11,364.8	6,359.1	-63.9	0.76	0.75	-0.11	92.7	3.9
17,595.0	90.50	1.50	11,361.9	6,452.0	-61.8	2.83	-2.80	0.43	93.2	0.9
17,689.0	91.20	1.10	11,360.5	6,546.0	-59.6	0.86	0.74	-0.43	95.3	-2.1
17,783.0	90.40	0.30	11,359.2	6,640.0	-58.5	1.20	-0.85	-0.85	97.4	-4.2
17,877.0	90.00	0.00	11,358.9	6,734.0	-58.2	0.53	-0.43	-0.32	100.6	-5.3
17,972.0	92.90	0.00	11,356.5	6,828.9	-58.2	3.05	3.05	0.00	101.7	-6.2
18,066.0	90.50	359.60	11,353.7	6,922.9	-58.6	2.59	-2.55	-0.43	102.3	-6.8
18,159.0	90.90	359.30	11,352.5	7,015.9	-59.5	0.54	0.43	-0.32	104.6	-6.7
18,253.0	92.90	359.70	11,349.4	7,109.8	-60.3	2.17	2.13	0.43	105.0	-6.8
18,347.0	91.10	0.40	11,346.1	7,203.7	-60.2	2.05	-1.91	0.74	105.2	-7.7
18,442.0	89.40	0.30	11,345.7	7,298.7	-59.6	1.79	-1.79	-0.11	108.2	-9.1
18,535.0	91.50	0.80	11,345.0	7,391.7	-58.7	2.32	2.26	0.54	110.9	-10.8
18,629.0	89.80	0.40	11,343.9	7,485.7	-57.7	1.86	-1.81	-0.43	113.3	-12.7
18,723.0	90.40	0.70	11,343.8	7,579.7	-56.8	0.71	0.64	0.32	116.5	-14.5
18,817.0	90.50	0.80	11,343.0	7,673.7	-55.6	0.15	0.11	0.11	119.2	-16.6
18,911.0	91.10	0.10	11,341.7	7,767.7	-54.9	0.98	0.64	-0.74	121.2	-18.3
19,004.0	90.90	359.60	11,340.1	7,860.7	-55.1	0.58	-0.22	-0.54	122.9	-19.0
19,097.0	90.60	359.40	11,338.9	7,953.7	-55.9	0.39	-0.32	-0.22	124.9	-19.1
19,190.0	90.10	358.70	11,338.3	8,046.6	-57.5	0.92	-0.54	-0.75	127.7	-18.5
19,283.0	90.90	357.50	11,337.5	8,139.6	-60.6	1.55	0.86	-1.29	130.2	-16.4



EOG Resources, Inc.
PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Bridge State Unit
Well: #602H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #602H
TVD Reference: KB = 25 @ 3558.0usft (H&P 653)
MD Reference: KB = 25 @ 3558.0usft (H&P 653)
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)
19,378.0	92.00	357.60	11,335.1	8,234.5	-64.6	1.16	1.16	0.11	131.1	-13.3
19,471.0	92.60	357.50	11,331.4	8,327.3	-68.6	0.65	0.65	-0.11	130.7	-10.2
19,565.0	92.00	356.70	11,327.6	8,421.1	-73.3	1.06	-0.64	-0.85	130.3	-6.4
19,659.0	92.90	355.80	11,323.6	8,514.8	-79.5	1.35	0.96	-0.96	129.6	-1.2
19,752.0	93.00	356.70	11,318.8	8,607.5	-85.6	0.97	0.11	0.97	128.1	4.0
19,846.0	95.20	357.10	11,312.1	8,701.1	-90.6	2.38	2.34	0.43	124.7	8.2
19,939.0	95.80	355.80	11,303.1	8,793.5	-96.4	1.53	0.65	-1.40	119.1	13.0
20,033.0	93.90	356.70	11,295.2	8,887.0	-102.5	2.24	-2.02	0.96	114.5	18.3
20,127.0	93.20	358.90	11,289.4	8,980.7	-106.1	2.45	-0.74	2.34	112.0	21.1
20,221.0	94.90	0.80	11,282.7	9,074.5	-106.3	2.71	1.81	2.02	108.7	20.6
20,314.0	95.80	359.30	11,274.1	9,167.1	-106.2	1.87	0.97	-1.61	103.3	19.6
20,407.0	97.30	357.40	11,263.5	9,259.4	-108.9	2.59	1.61	-2.04	96.0	21.2
20,501.0	97.10	358.40	11,251.7	9,352.6	-112.3	1.08	-0.21	1.06	87.6	23.8
20,595.0	97.30	359.00	11,239.9	9,445.8	-114.4	0.67	0.21	0.64	79.1	25.1
20,689.0	96.40	0.00	11,228.7	9,539.2	-115.3	1.43	-0.96	1.06	71.2	25.1
20,783.0	94.20	0.20	11,220.0	9,632.7	-115.1	2.35	-2.34	0.21	65.9	23.9
20,877.0	94.40	359.60	11,213.0	9,726.5	-115.3	0.67	0.21	-0.64	62.2	23.2
20,970.0	95.60	359.00	11,204.8	9,819.1	-116.4	1.44	1.29	-0.65	57.3	23.4
21,062.0	96.40	356.50	11,195.2	9,910.5	-120.0	2.84	0.87	-2.72	51.0	26.0
Last MWD Survey										
21,175.0	96.40	356.50	11,182.6	10,022.6	-126.8	0.00	0.00	0.00	42.5	31.8
Projection To Bit										



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Bridge State Unit
Well: #602H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #602H
TVD Reference: KB = 25 @ 3558.0usft (H&P 653)
MD Reference: KB = 25 @ 3558.0usft (H&P 653)
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)	
21,062.0	11,195.2	9,910.5	-120.0	Last MWD Survey
21,175.0	11,182.6	10,022.6	-126.8	Projection To Bit

Checked By: _____ Approved By: _____ Date: _____