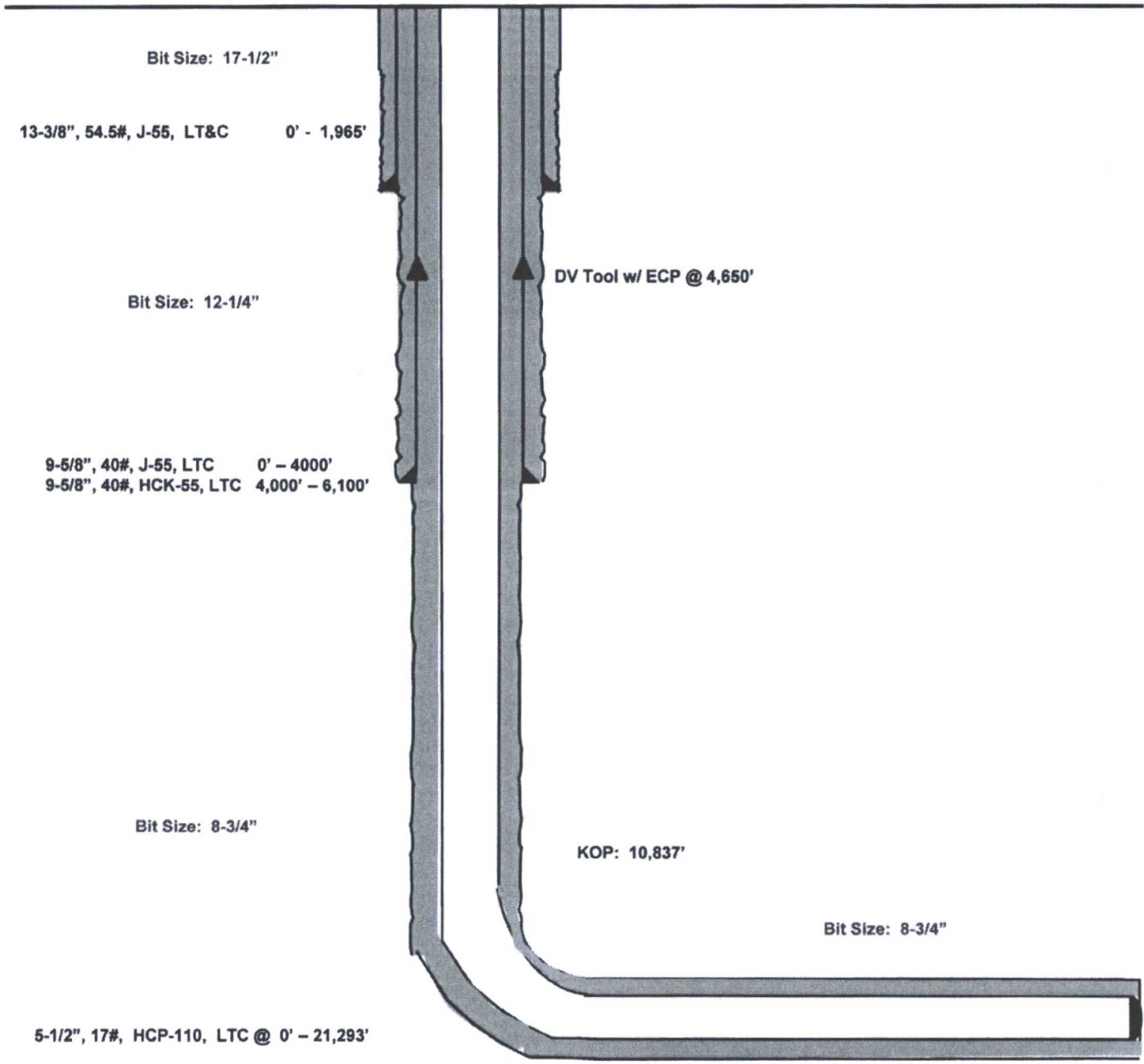


Bridge State Unit #602H

**Lea County, New Mexico
Proposed Wellbore
Revised 2/14/17
API: 30-025-*******

**200' FSL
2310' FEL
Section 29
T-22-S, R-35-E**

**KB: 3,558'
GL: 3,533'**



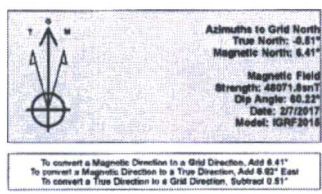
Lateral: 21,293' MD, 11,410' TVD
BH Location: 230' FNL & 2313' FEL
Section 20
T-22-S, R-35-E



Lea County, NM (NAD 27 NME)
 Bridge State Unit Com #602H
 Plan #0.2

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

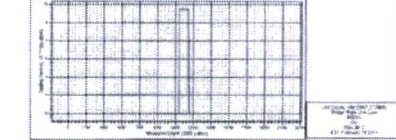
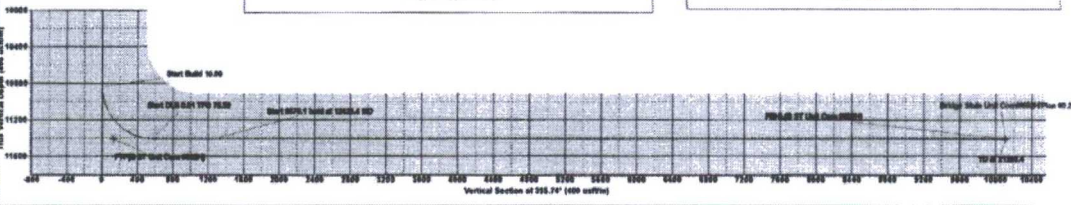
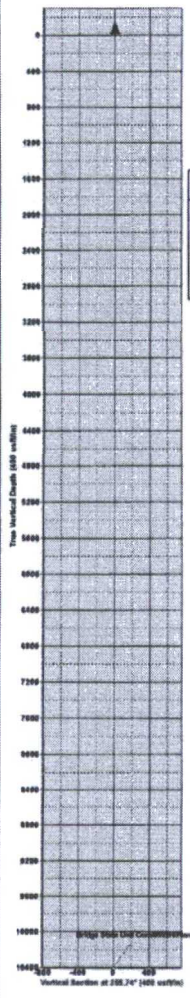
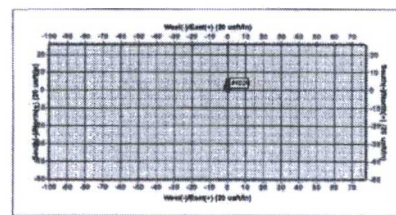
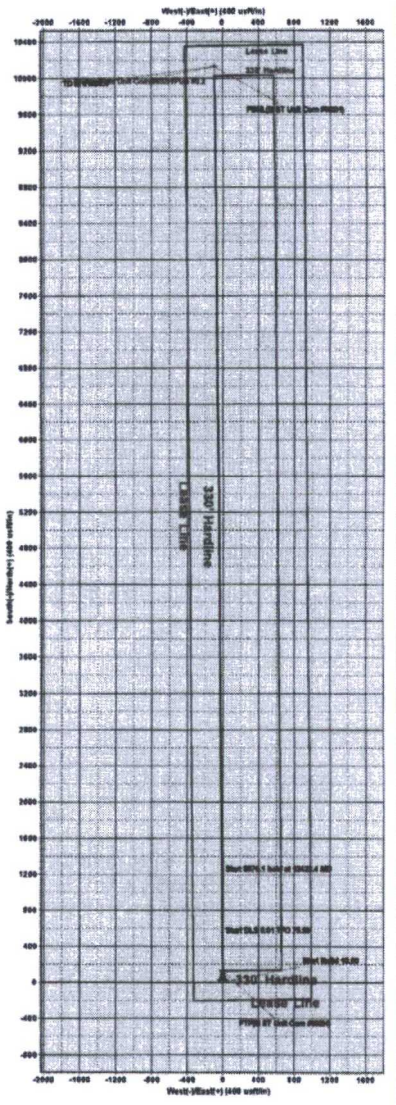
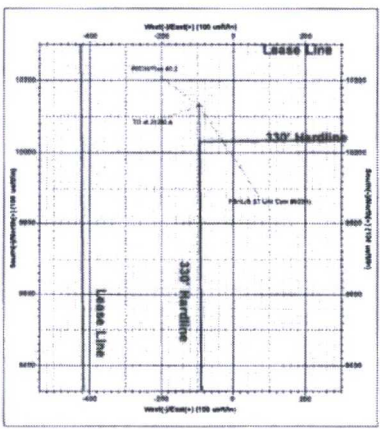
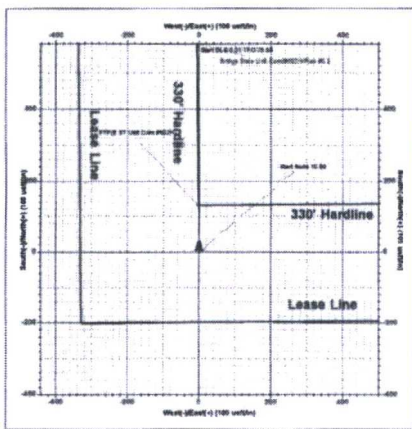
WELL DETAILS: #602H
 Ground Level: 3533.0
 KB = 25 @ 3698.0usft
 Northing: 484472.50
 Easting: 791268.50
 Latitude: 32° 21' 21.198 N
 Longitude: 103° 25' 17.153 W



Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	V Sect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	10837.0	0.00	0.00	10837.0	0.0	0.0	0.00	0.00	0.0	
3	11736.7	89.98	359.39	11409.9	572.6	-6.1	10.00	359.39	571.5	
4	12423.4	90.00	359.47	11410.0	1259.3	-13.0	0.01	75.59	1256.8	
5	21293.4	90.00	359.47	11410.0	10129.0	-95.0	0.00	0.00	10108.0	PBHL(B ST Unit Com #602H)

CASING DETAILS
 No casing data is available

Name	TVD	+N-S	+E-W	Northing	Easting
F799(B ST Unit Com #602H)	11410.0	120.0	-2.0	484472.00	791268.00
PBHL(B ST Unit Com #602H)	11410.0	10129.0	-95.0	504601.00	791792.00





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Bridge State Unit Com

#602H

OH

Plan: Plan #0.2

Standard Planning Report

14 February, 2017



EOG Resources, Inc.
Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Bridge State Unit Com
Well: #602H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #602H
TVD Reference: KB = 25 @ 3558.0usft
MD Reference: KB = 25 @ 3558.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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 Com				
Site Position:		Northing:	494,547.00 usft	Latitude:	32° 21' 22.099 N
From:	Map	Easting:	789,577.00 usft	Longitude:	103° 23' 44.064 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.50 °

Well	#602H					
Well Position	+N-S	-75.0 usft	Northing:	494,472.00 usft	Latitude:	32° 21' 21.156 N
	+E-W	2,311.0 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	Plan #0.2				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)	
	0.0	0.0	0.0	355.74	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
10,837.0	0.00	0.00	10,837.0	0.0	0.0	0.00	0.00	0.00	0.00	
11,736.7	89.98	359.39	11,409.9	572.6	-6.1	10.00	10.00	0.00	359.39	
12,423.4	90.00	359.47	11,410.0	1,259.3	-13.0	0.01	0.00	0.01	75.59	
21,293.4	90.00	359.47	11,410.0	10,129.0	-95.0	0.00	0.00	0.00	0.00	PBHL(B ST Unit Com)



EOG Resources, Inc.
Planning Report

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 Project: Lea County, NM (NAD 27 NME)
 Site: Bridge State Unit Com
 Well: #602H
 Wellbore: OH
 Design: Plan #0.2

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:

Well #602H
 KB = 25 @ 3558.0usft
 KB = 25 @ 3558.0usft
 Grid
 Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00



EOG Resources, Inc.
Planning Report

Database: EDM 5000.1 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Bridge State Unit Com
 Well: #602H
 Wellbore: OH
 Design: Plan #0.2

Local Co-ordinate Reference: Well #602H
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 MD Reference: KB = 25 @ 3558.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,300.0	0.0	0.0	0.0	0.00	0.00	0.00
9,400.0	0.00	0.00	9,400.0	0.0	0.0	0.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,500.0	0.0	0.0	0.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,600.0	0.0	0.0	0.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,700.0	0.0	0.0	0.0	0.00	0.00	0.00
9,800.0	0.00	0.00	9,800.0	0.0	0.0	0.0	0.00	0.00	0.00
9,900.0	0.00	0.00	9,900.0	0.0	0.0	0.0	0.00	0.00	0.00
10,000.0	0.00	0.00	10,000.0	0.0	0.0	0.0	0.00	0.00	0.00
10,100.0	0.00	0.00	10,100.0	0.0	0.0	0.0	0.00	0.00	0.00
10,200.0	0.00	0.00	10,200.0	0.0	0.0	0.0	0.00	0.00	0.00
10,300.0	0.00	0.00	10,300.0	0.0	0.0	0.0	0.00	0.00	0.00
10,400.0	0.00	0.00	10,400.0	0.0	0.0	0.0	0.00	0.00	0.00
10,500.0	0.00	0.00	10,500.0	0.0	0.0	0.0	0.00	0.00	0.00
10,600.0	0.00	0.00	10,600.0	0.0	0.0	0.0	0.00	0.00	0.00
10,700.0	0.00	0.00	10,700.0	0.0	0.0	0.0	0.00	0.00	0.00



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 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,800.0	0.00	0.00	10,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,837.0	0.00	0.00	10,837.0	0.0	0.0	0.0	0.00	0.00	0.00	
10,850.0	1.30	359.39	10,850.0	0.1	0.0	0.1	10.00	10.00	0.00	
10,900.0	6.30	359.39	10,899.9	3.5	0.0	3.5	10.00	10.00	0.00	
10,950.0	11.30	359.39	10,949.3	11.1	-0.1	11.1	10.00	10.00	0.00	
11,000.0	16.30	359.39	10,997.8	23.0	-0.2	23.0	10.00	10.00	0.00	
11,050.0	21.30	359.39	11,045.1	39.1	-0.4	39.1	10.00	10.00	0.00	
11,100.0	26.30	359.39	11,090.9	59.3	-0.6	59.2	10.00	10.00	0.00	
11,150.0	31.30	359.39	11,134.7	83.4	-0.9	83.2	10.00	10.00	0.00	
11,200.0	36.31	359.39	11,176.2	111.2	-1.2	111.0	10.00	10.00	0.00	
11,250.0	41.31	359.39	11,215.1	142.5	-1.5	142.2	10.00	10.00	0.00	
11,300.0	46.31	359.39	11,251.2	177.1	-1.9	176.8	10.00	10.00	0.00	
11,350.0	51.31	359.39	11,284.1	214.7	-2.3	214.3	10.00	10.00	0.00	
11,355.9	51.90	359.39	11,287.8	219.4	-2.3	219.0	10.00	10.00	0.00	
FTP(B ST Unit Com #602H)										
11,400.0	56.31	359.39	11,313.7	255.1	-2.7	254.6	10.00	10.00	0.00	
11,450.0	61.31	359.39	11,339.5	297.8	-3.2	297.2	10.00	10.00	0.00	
11,500.0	66.31	359.39	11,361.6	342.7	-3.7	342.0	10.00	10.00	0.00	
11,550.0	71.31	359.39	11,379.7	389.3	-4.2	388.5	10.00	10.00	0.00	
11,600.0	76.31	359.39	11,393.6	437.3	-4.7	436.4	10.00	10.00	0.00	
11,650.0	81.31	359.39	11,403.3	486.3	-5.2	485.3	10.00	10.00	0.00	
11,700.0	86.31	359.39	11,408.7	536.0	-5.7	534.9	10.00	10.00	0.00	
11,736.7	89.98	359.39	11,409.9	572.6	-6.1	571.5	10.00	10.00	0.00	
11,800.0	89.98	359.40	11,409.9	636.0	-6.8	634.7	0.01	0.00	0.01	
11,900.0	89.98	359.41	11,409.9	736.0	-7.8	734.5	0.01	0.00	0.01	
12,000.0	89.99	359.42	11,410.0	836.0	-8.8	834.3	0.01	0.00	0.01	
12,100.0	89.99	359.43	11,410.0	936.0	-9.9	934.1	0.01	0.00	0.01	
12,200.0	89.99	359.44	11,410.0	1,035.9	-10.8	1,033.9	0.01	0.00	0.01	
12,300.0	90.00	359.46	11,410.0	1,135.9	-11.8	1,133.7	0.01	0.00	0.01	
12,400.0	90.00	359.47	11,410.0	1,235.9	-12.7	1,233.5	0.01	0.00	0.01	
12,423.4	90.00	359.47	11,410.0	1,259.3	-13.0	1,256.8	0.01	0.00	0.01	
12,500.0	90.00	359.47	11,410.0	1,335.9	-13.7	1,333.3	0.00	0.00	0.00	
12,600.0	90.00	359.47	11,410.0	1,435.9	-14.6	1,433.0	0.00	0.00	0.00	
12,700.0	90.00	359.47	11,410.0	1,535.9	-15.5	1,532.8	0.00	0.00	0.00	
12,800.0	90.00	359.47	11,410.0	1,635.9	-16.4	1,632.6	0.00	0.00	0.00	
12,900.0	90.00	359.47	11,410.0	1,735.9	-17.4	1,732.4	0.00	0.00	0.00	
13,000.0	90.00	359.47	11,410.0	1,835.9	-18.3	1,832.2	0.00	0.00	0.00	
13,100.0	90.00	359.47	11,410.0	1,935.9	-19.2	1,932.0	0.00	0.00	0.00	
13,200.0	90.00	359.47	11,410.0	2,035.9	-20.1	2,031.8	0.00	0.00	0.00	
13,300.0	90.00	359.47	11,410.0	2,135.9	-21.1	2,131.6	0.00	0.00	0.00	
13,400.0	90.00	359.47	11,410.0	2,235.9	-22.0	2,231.3	0.00	0.00	0.00	
13,500.0	90.00	359.47	11,410.0	2,335.9	-22.9	2,331.1	0.00	0.00	0.00	
13,600.0	90.00	359.47	11,410.0	2,435.9	-23.8	2,430.9	0.00	0.00	0.00	
13,700.0	90.00	359.47	11,410.0	2,535.9	-24.8	2,530.7	0.00	0.00	0.00	
13,800.0	90.00	359.47	11,410.0	2,635.9	-25.7	2,630.5	0.00	0.00	0.00	
13,900.0	90.00	359.47	11,410.0	2,735.9	-26.6	2,730.3	0.00	0.00	0.00	
14,000.0	90.00	359.47	11,410.0	2,835.9	-27.5	2,830.1	0.00	0.00	0.00	
14,100.0	90.00	359.47	11,410.0	2,935.9	-28.5	2,929.9	0.00	0.00	0.00	
14,200.0	90.00	359.47	11,410.0	3,035.9	-29.4	3,029.6	0.00	0.00	0.00	
14,300.0	90.00	359.47	11,410.0	3,135.9	-30.3	3,129.4	0.00	0.00	0.00	
14,400.0	90.00	359.47	11,410.0	3,235.9	-31.2	3,229.2	0.00	0.00	0.00	
14,500.0	90.00	359.47	11,410.0	3,335.8	-32.2	3,329.0	0.00	0.00	0.00	
14,600.0	90.00	359.47	11,410.0	3,435.8	-33.1	3,428.8	0.00	0.00	0.00	



EOG Resources, Inc.
Planning Report

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 Site: Bridge State Unit Com
 Well: #602H
 Wellbore: OH
 Design: Plan #0.2

Local Co-ordinate Reference: Well #602H
 TVD Reference: KB = 25 @ 3558.0usft
 MD Reference: KB = 25 @ 3558.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,700.0	90.00	359.47	11,410.0	3,535.8	-34.0	3,528.6	0.00	0.00	0.00	
14,800.0	90.00	359.47	11,410.0	3,635.8	-34.9	3,628.4	0.00	0.00	0.00	
14,900.0	90.00	359.47	11,410.0	3,735.8	-35.9	3,728.2	0.00	0.00	0.00	
15,000.0	90.00	359.47	11,410.0	3,835.8	-36.8	3,827.9	0.00	0.00	0.00	
15,100.0	90.00	359.47	11,410.0	3,935.8	-37.7	3,927.7	0.00	0.00	0.00	
15,200.0	90.00	359.47	11,410.0	4,035.8	-38.6	4,027.5	0.00	0.00	0.00	
15,300.0	90.00	359.47	11,410.0	4,135.8	-39.6	4,127.3	0.00	0.00	0.00	
15,400.0	90.00	359.47	11,410.0	4,235.8	-40.5	4,227.1	0.00	0.00	0.00	
15,500.0	90.00	359.47	11,410.0	4,335.8	-41.4	4,326.9	0.00	0.00	0.00	
15,600.0	90.00	359.47	11,410.0	4,435.8	-42.3	4,426.7	0.00	0.00	0.00	
15,700.0	90.00	359.47	11,410.0	4,535.8	-43.3	4,526.5	0.00	0.00	0.00	
15,800.0	90.00	359.47	11,410.0	4,635.8	-44.2	4,626.2	0.00	0.00	0.00	
15,900.0	90.00	359.47	11,410.0	4,735.8	-45.1	4,726.0	0.00	0.00	0.00	
16,000.0	90.00	359.47	11,410.0	4,835.8	-46.0	4,825.8	0.00	0.00	0.00	
16,100.0	90.00	359.47	11,410.0	4,935.8	-47.0	4,925.6	0.00	0.00	0.00	
16,200.0	90.00	359.47	11,410.0	5,035.8	-47.9	5,025.4	0.00	0.00	0.00	
16,300.0	90.00	359.47	11,410.0	5,135.8	-48.8	5,125.2	0.00	0.00	0.00	
16,400.0	90.00	359.47	11,410.0	5,235.8	-49.7	5,225.0	0.00	0.00	0.00	
16,500.0	90.00	359.47	11,410.0	5,335.8	-50.7	5,324.8	0.00	0.00	0.00	
16,600.0	90.00	359.47	11,410.0	5,435.8	-51.6	5,424.5	0.00	0.00	0.00	
16,700.0	90.00	359.47	11,410.0	5,535.8	-52.5	5,524.3	0.00	0.00	0.00	
16,800.0	90.00	359.47	11,410.0	5,635.8	-53.4	5,624.1	0.00	0.00	0.00	
16,900.0	90.00	359.47	11,410.0	5,735.7	-54.4	5,723.9	0.00	0.00	0.00	
17,000.0	90.00	359.47	11,410.0	5,835.7	-55.3	5,823.7	0.00	0.00	0.00	
17,100.0	90.00	359.47	11,410.0	5,935.7	-56.2	5,923.5	0.00	0.00	0.00	
17,200.0	90.00	359.47	11,410.0	6,035.7	-57.1	6,023.3	0.00	0.00	0.00	
17,300.0	90.00	359.47	11,410.0	6,135.7	-58.1	6,123.1	0.00	0.00	0.00	
17,400.0	90.00	359.47	11,410.0	6,235.7	-59.0	6,222.8	0.00	0.00	0.00	
17,500.0	90.00	359.47	11,410.0	6,335.7	-59.9	6,322.6	0.00	0.00	0.00	
17,600.0	90.00	359.47	11,410.0	6,435.7	-60.8	6,422.4	0.00	0.00	0.00	
17,700.0	90.00	359.47	11,410.0	6,535.7	-61.8	6,522.2	0.00	0.00	0.00	
17,800.0	90.00	359.47	11,410.0	6,635.7	-62.7	6,622.0	0.00	0.00	0.00	
17,900.0	90.00	359.47	11,410.0	6,735.7	-63.6	6,721.8	0.00	0.00	0.00	
18,000.0	90.00	359.47	11,410.0	6,835.7	-64.5	6,821.6	0.00	0.00	0.00	
18,100.0	90.00	359.47	11,410.0	6,935.7	-65.5	6,921.4	0.00	0.00	0.00	
18,200.0	90.00	359.47	11,410.0	7,035.7	-66.4	7,021.1	0.00	0.00	0.00	
18,300.0	90.00	359.47	11,410.0	7,135.7	-67.3	7,120.9	0.00	0.00	0.00	
18,400.0	90.00	359.47	11,410.0	7,235.7	-68.2	7,220.7	0.00	0.00	0.00	
18,500.0	90.00	359.47	11,410.0	7,335.7	-69.2	7,320.5	0.00	0.00	0.00	
18,600.0	90.00	359.47	11,410.0	7,435.7	-70.1	7,420.3	0.00	0.00	0.00	
18,700.0	90.00	359.47	11,410.0	7,535.7	-71.0	7,520.1	0.00	0.00	0.00	
18,800.0	90.00	359.47	11,410.0	7,635.7	-71.9	7,619.9	0.00	0.00	0.00	
18,900.0	90.00	359.47	11,410.0	7,735.7	-72.9	7,719.7	0.00	0.00	0.00	
19,000.0	90.00	359.47	11,410.0	7,835.7	-73.8	7,819.4	0.00	0.00	0.00	
19,100.0	90.00	359.47	11,410.0	7,935.7	-74.7	7,919.2	0.00	0.00	0.00	
19,200.0	90.00	359.47	11,410.0	8,035.6	-75.6	8,019.0	0.00	0.00	0.00	
19,300.0	90.00	359.47	11,410.0	8,135.6	-76.6	8,118.8	0.00	0.00	0.00	
19,400.0	90.00	359.47	11,410.0	8,235.6	-77.5	8,218.6	0.00	0.00	0.00	
19,500.0	90.00	359.47	11,410.0	8,335.6	-78.4	8,318.4	0.00	0.00	0.00	
19,600.0	90.00	359.47	11,410.0	8,435.6	-79.3	8,418.2	0.00	0.00	0.00	
19,700.0	90.00	359.47	11,410.0	8,535.6	-80.3	8,518.0	0.00	0.00	0.00	
19,800.0	90.00	359.47	11,410.0	8,635.6	-81.2	8,617.7	0.00	0.00	0.00	
19,900.0	90.00	359.47	11,410.0	8,735.6	-82.1	8,717.5	0.00	0.00	0.00	
20,000.0	90.00	359.47	11,410.0	8,835.6	-83.0	8,817.3	0.00	0.00	0.00	



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 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
20,100.0	90.00	359.47	11,410.0	8,935.6	-84.0	8,917.1	0.00	0.00	0.00
20,200.0	90.00	359.47	11,410.0	9,035.6	-84.9	9,016.9	0.00	0.00	0.00
20,300.0	90.00	359.47	11,410.0	9,135.6	-85.8	9,116.7	0.00	0.00	0.00
20,400.0	90.00	359.47	11,410.0	9,235.6	-86.7	9,216.5	0.00	0.00	0.00
20,500.0	90.00	359.47	11,410.0	9,335.6	-87.7	9,316.3	0.00	0.00	0.00
20,600.0	90.00	359.47	11,410.0	9,435.6	-88.6	9,416.0	0.00	0.00	0.00
20,700.0	90.00	359.47	11,410.0	9,535.6	-89.5	9,515.8	0.00	0.00	0.00
20,800.0	90.00	359.47	11,410.0	9,635.6	-90.4	9,615.6	0.00	0.00	0.00
20,900.0	90.00	359.47	11,410.0	9,735.6	-91.4	9,715.4	0.00	0.00	0.00
21,000.0	90.00	359.47	11,410.0	9,835.6	-92.3	9,815.2	0.00	0.00	0.00
21,100.0	90.00	359.47	11,410.0	9,935.6	-93.2	9,915.0	0.00	0.00	0.00
21,200.0	90.00	359.47	11,410.0	10,035.6	-94.1	10,014.8	0.00	0.00	0.00
21,293.4	90.00	359.47	11,410.0	10,129.0	-95.0	10,108.0	0.00	0.00	0.00

PBHL(B ST Unit Com #602H)

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL(B ST Unit Com #602H) - hit/miss target - Shape - Point	0.00	0.00	11,410.0	10,129.0	-95.0	504,601.00	791,793.00	32° 23' 1.388 N	103° 23' 17.197 W
FTP(B ST Unit Com #60) - plan misses target center by 151.4usft at 11355.9usft MD (11287.8 TVD, 219.4 N, -2.3 E) - Point	0.00	0.00	11,410.0	130.0	-2.0	494,602.00	791,886.00	32° 21' 22.442 N	103° 23' 17.142 W