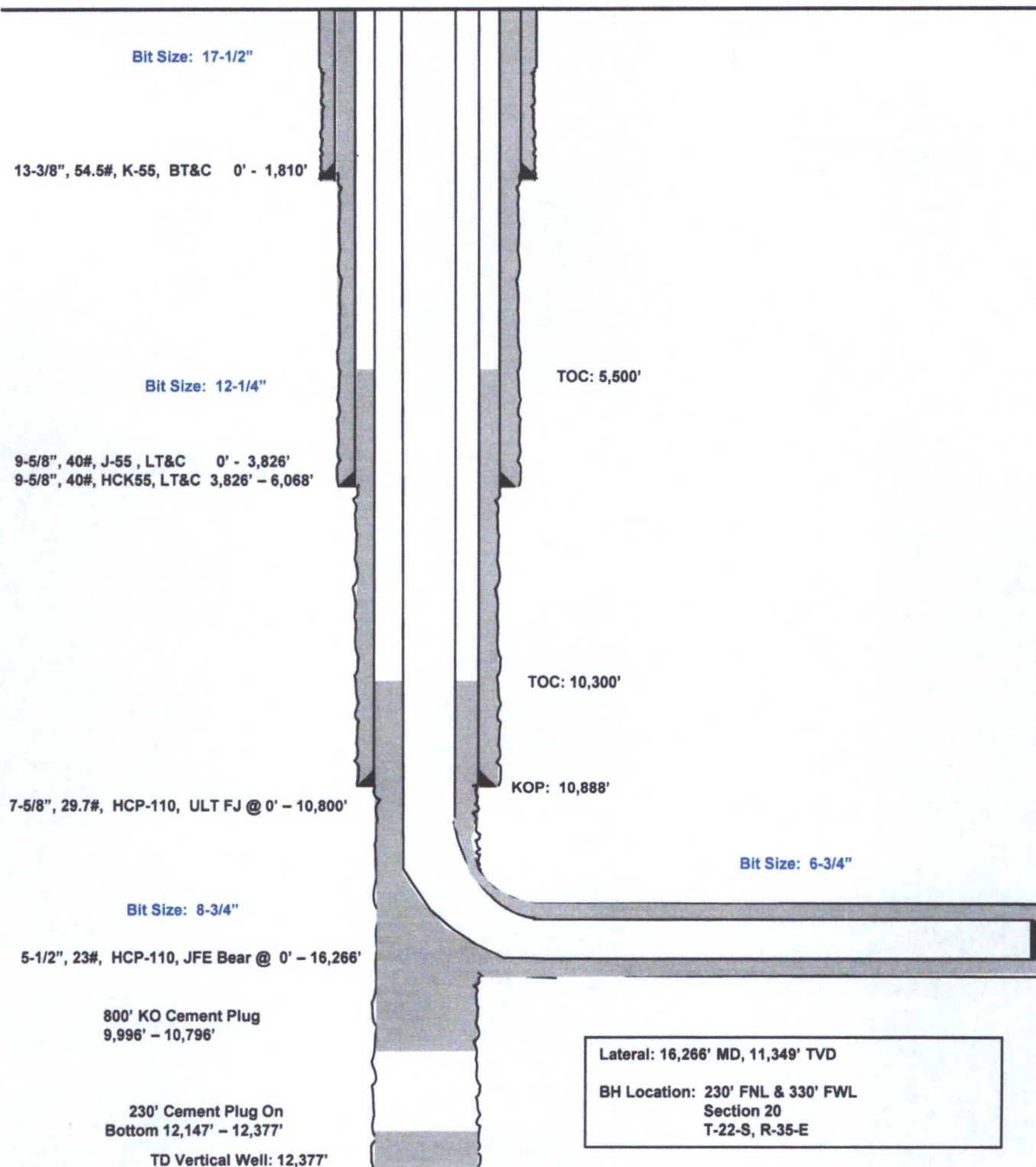


Bridge State Unit #701H
Lea County, New Mexico

250' FSL
330' FWL
Section 20
T-22-S, R-35-E

Proposed Wellbore
Revised 2/16/16
API: 30-025-42859

KB: 3,598'
GL: 3,573'



REVISED 2/17/16

FEB 17 2016



Lea County, NM (NAD 27 NME)

Bridge State Unit #701H

Precision 612

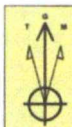
Plan #2

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: 3573.0
Kb = 25' @ 3588.0ust (Precision 612)
Northing 499773.00 Easting 789197.00 Latitude 32° 22' 13.842 N Longitude 103° 23' 47.960 W



Azimuths to Grid North
True North: -0.50°
Magnetic North: 8.53°
Magnetic Field
Strength: 48180.5nT
Dip Angle: 60.24°
Date: 3/16/2016
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 8.53°
To convert a Magnetic Direction to a True Direction, Add 7.03° East
To convert a True Direction to a Grid Direction, Subtract 0.50°

SECTION DETAILS

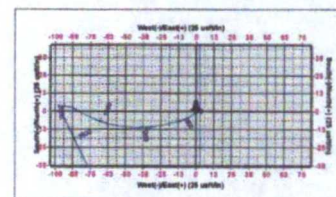
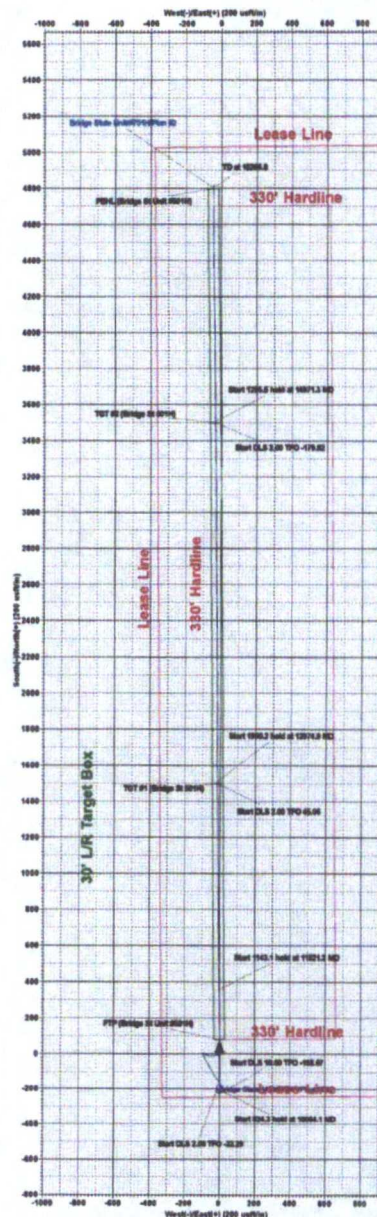
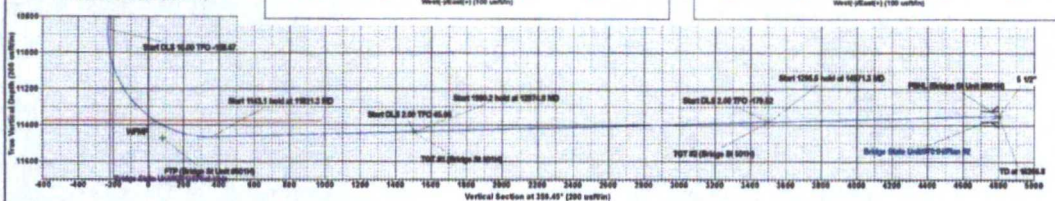
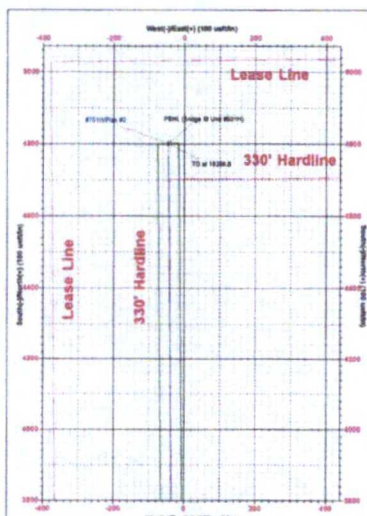
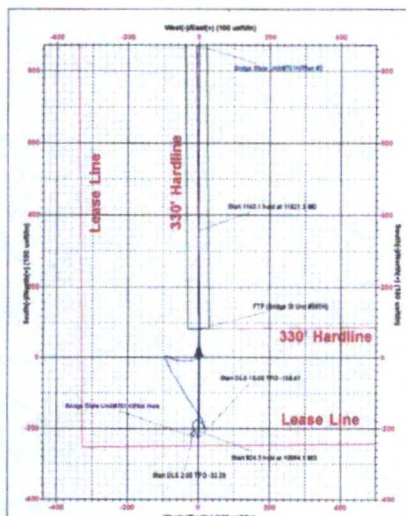
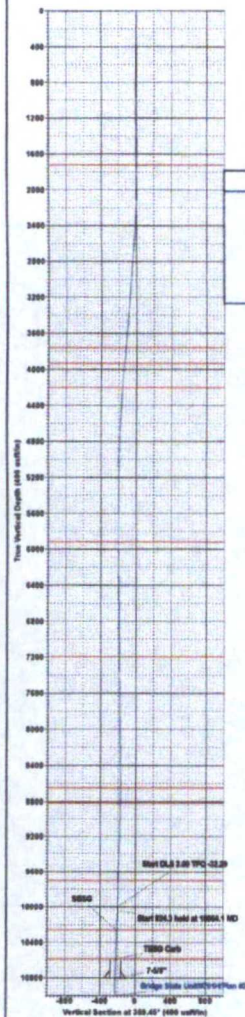
Sec	MD	Inc	Adj	TVD	+/- S	+/- W	Deg	TFace	VSet	Target	Annotation
1	10010.0	1.00	174.80	9998.2	-201.7	-11.9	0.00	0.00	-201.6		
2	10094.1	2.00	188.00	10090.3	-203.1	-11.8	2.00	-32.29	-202.9		
3	10088.4	2.00	188.00	10074.1	-228.7	-4.7	0.00	0.00	-228.7		
4	11921.3	91.43	389.30	11468.6	367.2	-4.2	10.00	-169.67	367.3		
5	12994.4	91.43	389.30	11437.0	1499.9	-14.2	0.00	0.00	1500.0		TOT #1 (Bridge S1 801H)
6	12974.9	91.50	389.45	11434.7	1516.4	-14.3	2.00	40.09	1516.5		
7	14895.1	91.50	389.45	11382.0	3499.9	-33.6	0.00	0.00	3500.0		TOT #2 (Bridge S1 801H)
8	14871.3	91.45	389.45	11381.8	3506.0	-33.6	2.00	-179.82	3506.1		
9	16296.9	91.45	389.45	11348.0	4891.0	-48.0	0.00	0.00	4891.2		PBH, (Bridge S1 Unit #801H)

CASING DETAILS

TVD	MD	Name	Size
10650.010814.3	7.5"		7.5"
11348.010298.0	8 1/2"		8 1/2"

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+/- S	+/- W	Northing	Easting
TOT #1 (Bridge S1 801H)	11437.0	1499.9	-14.2	501272.90	789182.82
TOT #2 (Bridge S1 801H)	11382.0	3499.9	-33.6	505272.80	789183.84
PBH, (Bridge S1 Unit #801H)	11348.0	4891.0	-48.0	504874.00	789181.00
FTP (Bridge S1 Unit #801H)		80.0	0.0	499953.00	789197.00





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Bridge State Unit

#701H

ST01

Plan: Plan #2

Standard Planning Report

17 February, 2016

PROPOSED REVISION



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
Well: #701H
Wellbore: ST01
Design: Plan #2

Local Co-ordinate Reference: Site Bridge State Unit
TVD Reference: Kb = 25' @ 3598.0usft (Precision 612)
MD Reference: Kb = 25' @ 3598.0usft (Precision 612)
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				
Site Position:		Northing:	499,773.00 usft	Latitude:	32° 22' 13.842 N
From:	Map	Easting:	789,197.00 usft	Longitude:	103° 23' 47.960 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.50 °

Well	#701H					
Well Position	+N/-S	0.0 usft	Northing:	499,773.00 usft	Latitude:	32° 22' 13.842 N
	+E/-W	0.0 usft	Easting:	789,197.00 usft	Longitude:	103° 23' 47.960 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,573.0 usft	

Wellbore ST01

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/15/2016	7.03	60.24	48,180

Design Plan #2

Audit Notes:

Version:	Phase:	PLAN	Tie On Depth:	10,010.0
-----------------	---------------	------	----------------------	----------

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	359.45

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
10,010.0	1.00	174.80	9,996.2	-201.7	-11.9	0.00	0.00	0.00	0.00	
10,064.1	2.00	158.00	10,050.3	-203.1	-11.5	2.00	1.85	-31.05	-32.29	
10,888.4	2.00	158.00	10,874.1	-229.7	-0.7	0.00	0.00	0.00	0.00	
11,821.3	91.43	359.30	11,465.5	357.2	-0.2	10.00	9.59	-17.01	-158.67	
12,964.4	91.43	359.30	11,437.0	1,499.9	-14.2	0.00	0.00	0.00	0.00	TGT #1 (Bridge St 50
12,974.9	91.58	359.45	11,436.7	1,510.4	-14.3	2.00	1.41	1.42	45.06	
14,965.1	91.58	359.45	11,382.0	3,499.8	-33.5	0.00	0.00	0.00	0.00	TGT #2 (Bridge St 50
14,971.3	91.45	359.45	11,381.8	3,506.0	-33.5	2.00	-2.00	-0.01	-179.82	
16,266.8	91.45	359.45	11,349.0	4,801.0	-46.0	0.00	0.00	0.00	0.00	PBHL (Bridge St Unit



EOG Resources, Inc.

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MD Reference: Kb = 25' @ 3598.0usft (Precision 612)
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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.46	202.25	100.0	-0.4	-0.2	-0.4	0.46	0.46	0.00
200.0	0.75	214.73	200.0	-1.3	-0.7	-1.3	0.32	0.29	12.48
300.0	0.88	248.93	300.0	-2.1	-1.8	-2.1	0.50	0.13	34.20
400.0	1.43	237.20	400.0	-3.0	-3.5	-3.0	0.60	0.55	-11.73
500.0	1.32	238.19	499.9	-4.3	-5.6	-4.3	0.11	-0.11	0.99
600.0	2.16	248.87	599.9	-5.6	-8.3	-5.5	0.90	0.84	10.68
700.0	2.83	253.23	699.8	-7.0	-12.4	-6.9	0.70	0.67	4.36
800.0	3.60	256.18	799.6	-8.5	-17.8	-8.3	0.79	0.77	2.95
900.0	4.34	260.61	899.4	-9.8	-24.6	-9.6	0.80	0.74	4.43
1,000.0	5.15	265.28	999.1	-10.8	-32.8	-10.5	0.90	0.81	4.67
1,100.0	4.86	270.27	1,098.7	-11.2	-41.5	-10.8	0.52	-0.29	4.99
1,200.0	4.27	274.10	1,198.4	-10.9	-49.5	-10.4	0.66	-0.59	3.83
1,300.0	3.83	279.84	1,298.1	-10.1	-56.5	-9.5	0.60	-0.44	5.74
1,400.0	3.50	284.20	1,397.9	-8.7	-62.7	-8.1	0.43	-0.33	4.36
1,500.0	3.22	291.30	1,497.7	-7.0	-68.3	-6.3	0.50	-0.28	7.10
1,600.0	2.77	294.57	1,597.6	-4.9	-73.1	-4.2	0.48	-0.45	3.27
1,700.0	3.41	291.98	1,697.4	-2.8	-78.1	-2.1	0.65	0.64	-2.59
1,730.0	3.24	294.51	1,727.4	-2.1	-79.7	-1.4	0.75	-0.57	8.43
1,886.0	3.70	303.80	1,883.1	2.5	-87.9	3.3	0.46	0.29	5.96
2,070.0	1.80	221.50	2,066.9	3.6	-94.7	4.5	2.11	-1.03	-44.73
2,255.0	2.60	154.70	2,251.8	-2.3	-94.9	-1.4	1.36	0.43	-36.11
2,440.0	5.20	152.60	2,436.4	-13.6	-89.2	-12.7	1.41	1.41	-1.14
2,624.0	4.70	155.10	2,619.7	-27.8	-82.2	-27.0	0.30	-0.27	1.36
2,809.0	6.10	149.80	2,803.9	-43.2	-74.1	-42.5	0.80	0.76	-2.86
2,994.0	6.10	147.30	2,987.8	-60.0	-63.8	-59.3	0.14	0.00	-1.35
3,178.0	4.70	147.00	3,171.0	-74.5	-54.4	-74.0	0.76	-0.76	-0.16
3,363.0	4.90	154.90	3,355.4	-88.0	-46.9	-87.6	0.37	0.11	4.27
3,547.0	5.80	149.80	3,538.6	-103.2	-38.9	-102.8	0.55	0.49	-2.77
3,732.0	5.50	143.60	3,722.7	-118.4	-29.0	-118.1	0.37	-0.16	-3.35
3,916.0	6.70	146.60	3,905.6	-134.4	-17.8	-134.3	0.67	0.65	1.63
4,101.0	5.90	144.50	4,089.5	-151.2	-6.4	-151.1	0.45	-0.43	-1.14
4,285.0	4.00	147.00	4,272.8	-164.3	2.6	-164.3	1.04	-1.03	1.36
4,470.0	3.30	143.30	4,457.4	-174.0	9.3	-174.0	0.40	-0.38	-2.00
4,655.0	2.60	177.90	4,642.2	-182.4	12.7	-182.5	1.01	-0.38	18.70
4,840.0	1.80	170.50	4,827.1	-189.5	13.3	-189.6	0.46	-0.43	-4.00
5,024.0	1.10	172.50	5,011.0	-194.1	14.0	-194.2	0.38	-0.38	1.09
5,209.0	0.40	179.50	5,196.0	-196.5	14.2	-196.6	0.38	-0.38	3.78
5,393.0	0.30	167.20	5,380.0	-197.6	14.4	-197.7	0.07	-0.05	-6.68
5,578.0	0.30	138.90	5,565.0	-198.4	14.8	-198.6	0.08	0.00	-15.30
5,763.0	0.40	107.10	5,750.0	-199.0	15.7	-199.1	0.12	0.05	-17.19
5,855.0	0.40	105.70	5,842.0	-199.2	16.3	-199.3	0.01	0.00	-1.52
5,947.0	0.50	35.50	5,934.0	-198.9	16.9	-199.1	0.57	0.11	-76.30
5,978.0	0.50	43.10	5,965.0	-198.7	17.0	-198.9	0.21	0.00	24.52
6,130.0	0.70	0.60	6,117.0	-197.3	17.5	-197.5	0.31	0.13	-27.96
6,223.0	0.80	346.00	6,209.9	-196.1	17.4	-196.3	0.23	0.11	-15.70
6,315.0	0.60	334.40	6,301.9	-195.1	17.0	-195.2	0.27	-0.22	-12.61
6,407.0	0.60	13.00	6,393.9	-194.1	16.9	-194.3	0.43	0.00	41.96
6,500.0	0.40	14.80	6,486.9	-193.4	17.1	-193.5	0.22	-0.22	1.94
6,592.0	0.50	12.70	6,578.9	-192.7	17.3	-192.8	0.11	0.11	-2.28
6,684.0	0.40	3.50	6,670.9	-191.9	17.4	-192.1	0.13	-0.11	-10.00
6,776.0	0.50	4.10	6,762.9	-191.2	17.4	-191.4	0.11	0.11	0.65
6,869.0	0.50	311.20	6,855.9	-190.6	17.1	-190.7	0.48	0.00	-56.88
6,961.0	0.60	339.80	6,947.9	-189.8	16.7	-190.0	0.31	0.11	31.09



EOG Resources, Inc.

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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)
7,054.0	0.90	315.40	7,040.9	-188.9	16.0	-189.0	0.46	0.32	-26.24
7,146.0	0.80	304.80	7,132.9	-188.0	15.0	-188.1	0.20	-0.11	-11.52
7,238.0	0.80	304.50	7,224.9	-187.2	13.9	-187.4	0.00	0.00	-0.33
7,331.0	0.80	334.40	7,317.9	-186.3	13.1	-186.4	0.44	0.00	32.15
7,423.0	0.70	304.50	7,409.9	-185.4	12.3	-185.5	0.43	-0.11	-32.50
7,515.0	1.10	303.20	7,501.9	-184.6	11.1	-184.7	0.44	0.43	-1.41
7,608.0	0.80	289.90	7,594.9	-183.9	9.8	-184.0	0.40	-0.32	-14.30
7,700.0	1.10	277.10	7,686.8	-183.6	8.3	-183.6	0.40	0.33	-13.91
7,793.0	1.20	298.20	7,779.8	-183.0	6.6	-183.0	0.46	0.11	22.69
7,885.0	1.20	310.80	7,871.8	-181.9	5.0	-181.9	0.29	0.00	13.70
7,978.0	1.20	296.40	7,964.8	-180.8	3.4	-180.9	0.32	0.00	-15.48
8,070.0	1.20	294.30	8,056.8	-180.0	1.6	-180.0	0.05	0.00	-2.28
8,162.0	1.30	318.70	8,148.7	-178.8	0.1	-178.8	0.58	0.11	26.52
8,254.0	1.10	313.30	8,240.7	-177.4	-1.3	-177.4	0.25	-0.22	-5.87
8,347.0	1.40	305.70	8,333.7	-176.2	-2.8	-176.1	0.37	0.32	-8.17
8,439.0	1.00	309.80	8,425.7	-175.0	-4.4	-174.9	0.44	-0.43	4.46
8,532.0	0.50	289.90	8,518.7	-174.3	-5.4	-174.3	0.60	-0.54	-21.40
8,624.0	0.70	240.80	8,610.7	-174.5	-6.2	-174.4	0.58	0.22	-53.37
8,716.0	0.70	240.30	8,702.7	-175.0	-7.2	-174.9	0.01	0.00	-0.54
8,809.0	0.90	173.30	8,795.6	-176.0	-7.6	-176.0	0.97	0.22	-72.04
8,901.0	1.10	203.90	8,887.6	-177.6	-7.9	-177.5	0.61	0.22	33.26
8,993.0	1.10	230.50	8,979.6	-178.9	-8.9	-178.8	0.55	0.00	28.91
9,086.0	1.00	272.80	9,072.6	-179.5	-10.4	-179.3	0.82	-0.11	45.48
9,178.0	1.70	219.90	9,164.6	-180.5	-12.1	-180.3	1.47	0.76	-57.50
9,271.0	2.70	213.20	9,257.5	-183.4	-14.2	-183.2	1.11	1.08	-7.20
9,363.0	1.80	193.40	9,349.4	-186.6	-15.7	-186.4	1.28	-0.98	-21.52
9,456.0	1.90	177.80	9,442.4	-189.5	-16.0	-189.4	0.56	0.11	-16.99
9,548.0	2.40	173.90	9,534.3	-193.0	-15.7	-192.8	0.56	0.54	-4.02
9,640.0	1.20	145.60	9,626.3	-195.7	-15.0	-195.5	1.59	-1.30	-30.76
9,719.7	1.03	143.27	9,706.0	-196.9	-14.1	-196.8	0.22	-0.22	-2.93
FBSG									
9,733.0	1.00	142.80	9,719.3	-197.1	-13.9	-197.0	0.22	-0.21	-3.51
9,825.0	1.10	142.40	9,811.3	-198.5	-12.9	-198.3	0.11	0.11	-0.43
9,917.0	1.10	166.00	9,903.2	-200.0	-12.2	-199.9	0.49	0.00	25.65
10,010.0	1.00	174.80	9,996.2	-201.7	-11.9	-201.6	0.20	-0.11	9.46
10,064.1	2.00	158.00	10,050.3	-203.1	-11.5	-202.9	2.00	1.85	-31.05
10,100.0	2.00	158.00	10,086.2	-204.2	-11.0	-204.1	0.00	0.00	0.00
10,200.0	2.00	158.00	10,186.1	-207.4	-9.7	-207.3	0.00	0.00	0.00
10,275.9	2.00	158.00	10,262.0	-209.9	-8.7	-209.8	0.00	0.00	0.00
SBSG									
10,300.0	2.00	158.00	10,286.1	-210.7	-8.4	-210.6	0.00	0.00	0.00
10,400.0	2.00	158.00	10,386.0	-213.9	-7.1	-213.8	0.00	0.00	0.00
10,500.0	2.00	158.00	10,485.9	-217.2	-5.8	-217.1	0.00	0.00	0.00
10,600.0	2.00	158.00	10,585.9	-220.4	-4.5	-220.3	0.00	0.00	0.00
10,602.1	2.00	158.00	10,588.0	-220.5	-4.4	-220.4	0.00	0.00	0.00
TBSG Carb									
10,700.0	2.00	158.00	10,685.8	-223.6	-3.2	-223.6	0.00	0.00	0.00
10,800.0	2.00	158.00	10,785.8	-226.9	-1.9	-226.8	0.00	0.00	0.00
10,814.3	2.00	158.00	10,800.0	-227.3	-1.7	-227.3	0.00	0.00	0.00
7-5/8"									
10,888.4	2.00	158.00	10,874.1	-229.7	-0.7	-229.7	0.00	0.00	0.00
10,900.0	1.01	133.36	10,885.7	-230.0	-0.6	-230.0	10.00	-8.52	-212.47
10,950.0	4.36	8.91	10,935.6	-228.4	0.1	-228.4	10.00	6.69	-248.90



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
Well: #701H
Wellbore: ST01
Design: Plan #2

Local Co-ordinate Reference: Site Bridge State Unit
TVD Reference: Kb = 25' @ 3598.0usft (Precision 612)
MD Reference: Kb = 25' @ 3598.0usft (Precision 612)
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)
11,000.0	9.32	3.75	10,985.3	-222.5	0.6	-222.5	10.00	9.93	-10.31
11,050.0	14.31	2.17	11,034.2	-212.3	1.1	-212.3	10.00	9.98	-3.16
11,100.0	19.31	1.39	11,082.1	-197.8	1.6	-197.8	10.00	9.99	-1.55
11,150.0	24.31	0.93	11,128.5	-179.2	1.9	-179.3	10.00	9.99	-0.93
11,200.0	29.30	0.61	11,173.1	-156.7	2.2	-156.7	10.00	10.00	-0.63
11,250.0	34.30	0.38	11,215.5	-130.4	2.4	-130.4	10.00	10.00	-0.46
11,300.0	39.30	0.21	11,255.6	-100.4	2.6	-100.4	10.00	10.00	-0.36
11,350.0	44.30	0.06	11,292.8	-67.1	2.7	-67.1	10.00	10.00	-0.29
11,400.0	49.30	359.94	11,327.0	-30.7	2.7	-30.7	10.00	10.00	-0.24
11,450.0	54.30	359.84	11,358.0	8.6	2.6	8.6	10.00	10.00	-0.21
11,485.9	57.89	359.77	11,378.0	38.4	2.5	38.4	10.00	10.00	-0.18
WFMP									
11,500.0	59.30	359.75	11,385.3	50.4	2.4	50.4	10.00	10.00	-0.17
11,550.0	64.30	359.67	11,408.9	94.5	2.2	94.5	10.00	10.00	-0.16
11,561.5	65.45	359.65	11,413.8	104.9	2.2	104.9	10.00	10.00	-0.15
FTP (Bridge St Unit #501H)									
11,600.0	69.30	359.59	11,428.6	140.4	1.9	140.4	10.00	10.00	-0.15
11,650.0	74.30	359.52	11,444.3	187.9	1.6	187.9	10.00	10.00	-0.14
11,700.0	79.30	359.45	11,455.7	236.6	1.1	236.6	10.00	10.00	-0.13
11,750.0	84.30	359.39	11,462.8	286.0	0.6	286.0	10.00	10.00	-0.13
11,800.0	89.30	359.33	11,465.6	335.9	0.1	335.9	10.00	10.00	-0.13
11,821.3	91.43	359.30	11,465.5	357.2	-0.2	357.2	10.00	10.00	-0.13
11,900.0	91.43	359.30	11,463.5	435.9	-1.2	435.9	0.00	0.00	0.00
12,000.0	91.43	359.30	11,461.0	535.9	-2.4	535.9	0.00	0.00	0.00
12,100.0	91.43	359.30	11,458.5	635.8	-3.6	635.8	0.00	0.00	0.00
12,200.0	91.43	359.30	11,456.0	735.8	-4.8	735.8	0.00	0.00	0.00
12,300.0	91.43	359.30	11,453.5	835.8	-6.0	835.8	0.00	0.00	0.00
12,400.0	91.43	359.30	11,451.1	935.7	-7.3	935.7	0.00	0.00	0.00
12,500.0	91.43	359.30	11,448.6	1,035.7	-8.5	1,035.7	0.00	0.00	0.00
12,600.0	91.43	359.30	11,446.1	1,135.6	-9.7	1,135.7	0.00	0.00	0.00
12,700.0	91.43	359.30	11,443.6	1,235.6	-10.9	1,235.7	0.00	0.00	0.00
12,800.0	91.43	359.30	11,441.1	1,335.6	-12.2	1,335.6	0.00	0.00	0.00
12,900.0	91.43	359.30	11,438.6	1,435.5	-13.4	1,435.6	0.00	0.00	0.00
12,964.4	91.43	359.30	11,437.0	1,499.9	-14.2	1,500.0	0.00	0.00	0.00
TGT #1 (Bridge St Unit #501H)									
12,974.9	91.58	359.45	11,436.7	1,510.4	-14.3	1,510.5	2.00	1.41	1.42
13,000.0	91.58	359.45	11,436.0	1,535.5	-14.5	1,535.6	0.00	0.00	0.00
13,100.0	91.58	359.45	11,433.3	1,635.4	-15.5	1,635.5	0.00	0.00	0.00
13,200.0	91.58	359.45	11,430.5	1,735.4	-16.5	1,735.5	0.00	0.00	0.00
13,300.0	91.58	359.45	11,427.8	1,835.4	-17.4	1,835.4	0.00	0.00	0.00
13,400.0	91.58	359.45	11,425.0	1,935.3	-18.4	1,935.4	0.00	0.00	0.00
13,500.0	91.58	359.45	11,422.3	2,035.3	-19.3	2,035.4	0.00	0.00	0.00
13,600.0	91.58	359.45	11,419.5	2,135.2	-20.3	2,135.3	0.00	0.00	0.00
13,700.0	91.58	359.45	11,416.8	2,235.2	-21.3	2,235.3	0.00	0.00	0.00
13,800.0	91.58	359.45	11,414.0	2,335.2	-22.2	2,335.3	0.00	0.00	0.00
13,900.0	91.58	359.45	11,411.3	2,435.1	-23.2	2,435.2	0.00	0.00	0.00
14,000.0	91.58	359.45	11,408.5	2,535.1	-24.2	2,535.2	0.00	0.00	0.00
14,100.0	91.58	359.45	11,405.8	2,635.0	-25.1	2,635.1	0.00	0.00	0.00
14,200.0	91.58	359.45	11,403.0	2,735.0	-26.1	2,735.1	0.00	0.00	0.00
14,300.0	91.58	359.45	11,400.3	2,834.9	-27.1	2,835.1	0.00	0.00	0.00
14,400.0	91.58	359.45	11,397.5	2,934.9	-28.0	2,935.0	0.00	0.00	0.00
14,500.0	91.58	359.45	11,394.8	3,034.9	-29.0	3,035.0	0.00	0.00	0.00
14,600.0	91.58	359.45	11,392.0	3,134.8	-29.9	3,135.0	0.00	0.00	0.00



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Wellbore: ST01
Design: Plan #2

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TVD Reference: Kb = 25' @ 3598.0usft (Precision 612)
MD Reference: Kb = 25' @ 3598.0usft (Precision 612)
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	91.58	359.45	11,389.3	3,234.8	-30.9	3,234.9	0.00	0.00	0.00
14,800.0	91.58	359.45	11,386.5	3,334.7	-31.9	3,334.9	0.00	0.00	0.00
14,900.0	91.58	359.45	11,383.8	3,434.7	-32.8	3,434.8	0.00	0.00	0.00
14,965.1	91.58	359.45	11,382.0	3,499.8	-33.5	3,500.0	0.00	0.00	0.00
TGT #2 (Bridge St Unit 501H)									
14,971.3	91.45	359.45	11,381.8	3,506.0	-33.5	3,506.1	2.00	-2.00	-0.01
15,000.0	91.45	359.45	11,381.1	3,534.6	-33.8	3,534.8	0.00	0.00	0.00
15,100.0	91.45	359.45	11,378.6	3,634.6	-34.8	3,634.8	0.00	0.00	0.00
15,200.0	91.45	359.45	11,376.0	3,734.6	-35.7	3,734.7	0.00	0.00	0.00
15,300.0	91.45	359.45	11,373.5	3,834.5	-36.7	3,834.7	0.00	0.00	0.00
15,400.0	91.45	359.45	11,371.0	3,934.5	-37.6	3,934.7	0.00	0.00	0.00
15,500.0	91.45	359.45	11,368.4	4,034.5	-38.6	4,034.6	0.00	0.00	0.00
15,600.0	91.45	359.45	11,365.9	4,134.4	-39.6	4,134.6	0.00	0.00	0.00
15,700.0	91.45	359.45	11,363.4	4,234.4	-40.5	4,234.6	0.00	0.00	0.00
15,800.0	91.45	359.45	11,360.8	4,334.3	-41.5	4,334.5	0.00	0.00	0.00
15,900.0	91.45	359.45	11,358.3	4,434.3	-42.5	4,434.5	0.00	0.00	0.00
16,000.0	91.45	359.45	11,355.8	4,534.3	-43.4	4,534.5	0.00	0.00	0.00
16,100.0	91.45	359.45	11,353.2	4,634.2	-44.4	4,634.5	0.00	0.00	0.00
16,200.0	91.45	359.45	11,350.7	4,734.2	-45.4	4,734.4	0.00	0.00	0.00
16,266.0	91.45	359.45	11,349.0	4,800.2	-46.0	4,800.4	0.00	0.00	0.00
5 1/2"									
16,266.8	91.45	359.45	11,349.0	4,801.0	-46.0	4,801.2	0.00	0.00	0.00
PBHL (Bridge St Unit #501H)									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL (Bridge St Unit #5) - plan hits target center - Rectangle (sides W60.0 H0.0 D4,720.9)	90.00	359.45	11,349.0	4,801.0	-46.0	504,574.00	789,151.00	32° 23' 1.351 N	103° 23' 48.006 W
TGT #2 (Bridge St Unit 501H) - plan hits target center - Point	0.00	0.00	11,382.0	3,499.8	-33.5	503,272.80	789,163.54	32° 22' 48.475 N	103° 23' 47.993 W
TGT #1 (Bridge St Unit 501H) - plan hits target center - Point	0.00	0.00	11,437.0	1,499.9	-14.2	501,272.90	789,182.82	32° 22' 28.685 N	103° 23' 47.972 W
FTP (Bridge St Unit #50) - plan misses target center by 63.3usft at 11561.5usft MD (11413.8 TVD, 104.9 N, 2.2 E) - Point	0.00	0.00	11,472.0	80.0	0.0	499,853.00	789,197.00	32° 22' 14.634 N	103° 23' 47.952 W

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
10,814.3	10,800.0	7-5/8"	7-5/8	8-1/2
16,266.0	11,349.0	5 1/2"	5-1/2	6-3/4



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

Site Bridge State Unit
Kb = 25' @ 3598.0usft (Precision 612)
Kb = 25' @ 3598.0usft (Precision 612)
Grid
Minimum Curvature

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,727.6	1,725.0	Rustler			
3,770.5	3,761.0	Tansill			
3,947.6	3,937.0	Yates			
4,215.0	4,203.0	Capitan			
5,934.0	5,921.0	Cherry Canyon			
7,214.1	7,201.0	Brushy Canyon			
8,665.3	8,652.0	Bone Spring Lime			
8,832.4	8,819.0	Leonard Shale			
9,719.7	9,706.0	FBSG			
10,275.9	10,262.0	SBSG			
10,602.1	10,588.0	TBSG Carb			
11,485.9	11,378.0	WFMP			