

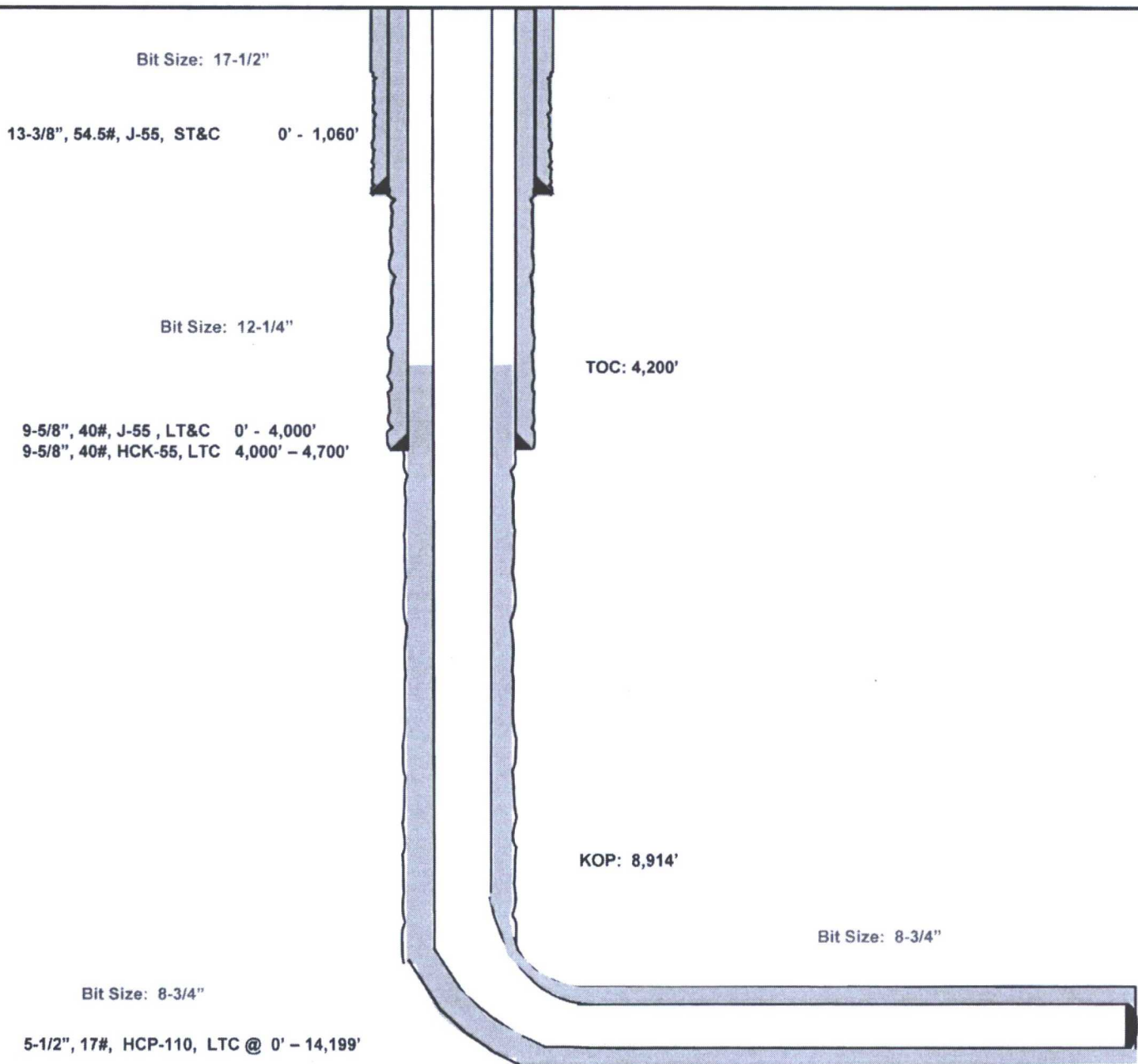
Foghorn 32 State Com #202H

Lea County, New Mexico
Proposed Wellbore

310' FNL
606' FEL
Section 32
T-22-S, R-33-E

API: 30-025-*****

KB: 3,618'
GL: 3,593'

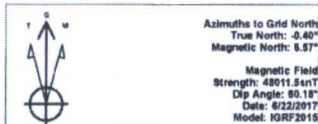


Lateral: 14,199' MD, 9,401' TVD

BH Location: 230' FSL & 843' FEL
Section 32
T-22-S, R-33-E



Lea County, NM (NAD 83 NME)
Foghorn 32 State Com #202H
Plan #0.1



Azimuths to Grid North
True North: -0.40°
Magnetic North: 8.57°
Magnetic Field
Strength: 48011.5 nT
Dip Angle: 80.18°
Date: 6/22/2017
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 8.57°
To convert a Magnetic Direction to a True Direction, Add 8.97° East
To convert a True Direction to a Grid Direction, Subtract 0.40°

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #202H

KB = 25' @ 3618.00usft
Northing 493566.00
Easting 771808.00
Latitude 32.3548089
Longitude -103.58794483

SECTION DETAILS

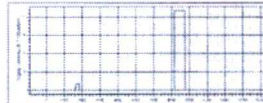
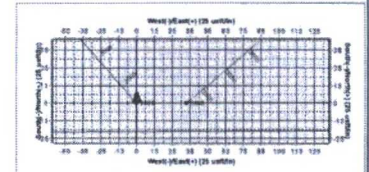
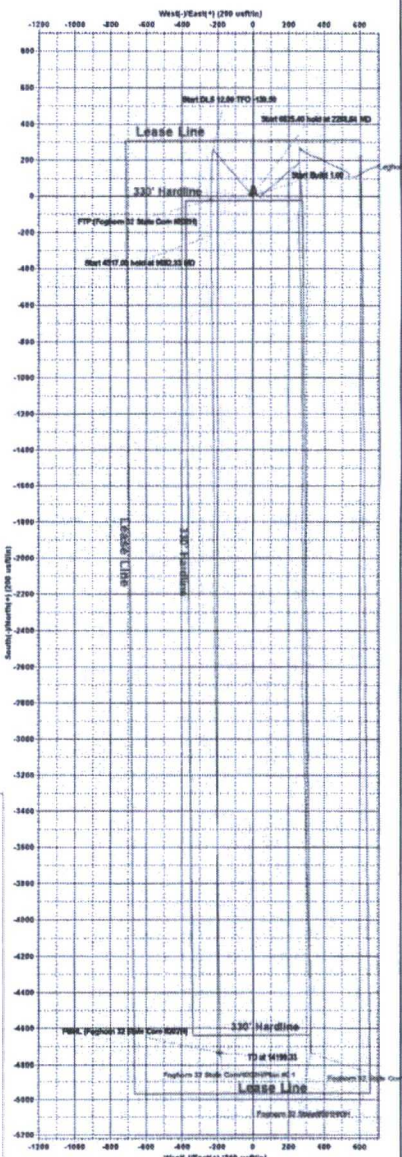
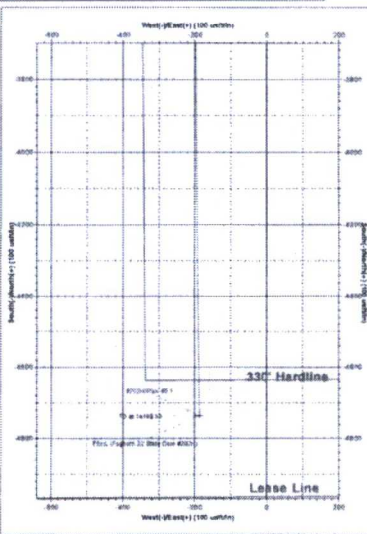
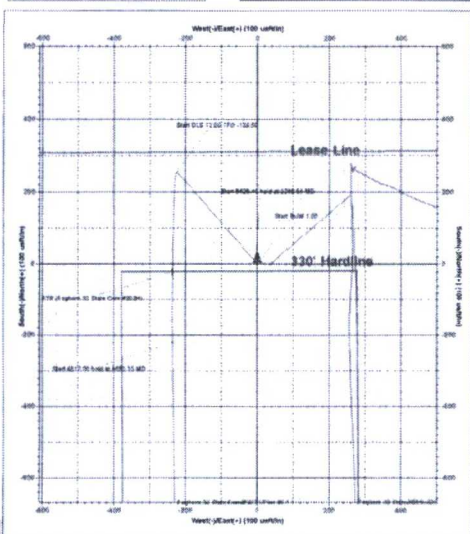
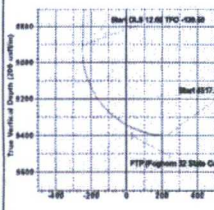
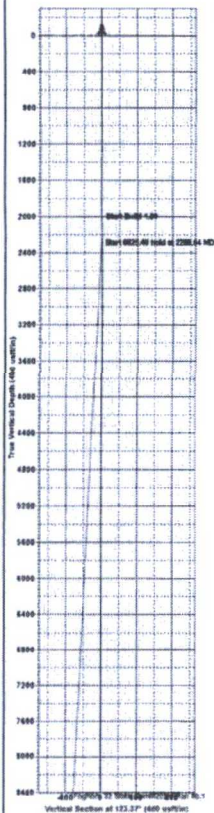
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Deg	TFace	VFace	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	
3	2288.64	2.89	318.93	2288.52	5.48	-4.78	1.00	318.93	-5.29	
4	8914.03	2.89	318.93	8905.51	257.00	-223.96	0.00	0.00	-247.97	
5	9682.33	90.00	179.39	9401.00	-220.26	-235.09	12.00	-139.50	229.36	
6	14199.33	90.00	179.39	9401.00	-4737.00	-187.00	0.00	0.00	4740.69	PBHL (Foghorn 32 State Com #202H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
PTP (Foghorn 32 State Com #202H)	8401.00	-21.90	-237.80	483566.00	771271.00
PBHL (Foghorn 32 State Com #202H)	9401.00	-4737.00	-187.00	488825.90	771321.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Foghorn 32 State Com

#202H

OH

Plan: Plan #0.1

Standard Planning Report

22 June, 2017



EOG Resources, Inc.

Planning Report

Database: EDM 5000.14 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Foghorn 32 State Corn
Well: #202H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #202H
TVD Reference: KB = 25' @ 3618.00usft
MD Reference: KB = 25' @ 3618.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	Lea County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Foghorn 32 State Corn		
Site Position:		Northing:	493,566.00 usft
From:	Map	Easting:	771,543.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.35468022
		Longitude:	-103.58783130
		Grid Convergence:	0.40 "

Well	#202H		
Well Position	+N/-S	0.00 usft	Northing: 493,566.00 usft
	+E/-W	-35.00 usft	Easting: 771,508.00 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	Latitude: 32.35468089
			Longitude: -103.58794463
			Ground Level: 3,593.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	6/22/2017	(°) 6.97
			Dip Angle (°) 60.18
			Field Strength (nT) 48,011.45079283

Design	Plan #0.1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction (°) 182.26

Plan Survey Tool Program	Date 6/22/2017		
Depth From	Depth To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
1	0.00	14,199.33 Plan #0.1 (OH)	MWD
			MWD - Standard

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,288.64	2.89	318.93	2,288.52	5.48	-4.78	1.00	1.00	0.00	318.93	
8,914.03	2.89	318.93	8,905.51	257.00	-223.96	0.00	0.00	0.00	0.00	
9,682.33	90.00	179.39	9,401.00	-220.26	-235.09	12.00	11.34	-18.16	-139.50	
14,199.33	90.00	179.39	9,401.00	-4,737.00	-187.00	0.00	0.00	0.00	0.00	PBHL (Foghorn 32 St



EOG Resources, Inc.

Planning Report

Database: EDM 5000.14 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Foghorn 32 State Com
 Well: #202H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #202H
 TVD Reference: KB = 25' @ 3618.00usft
 MD Reference: KB = 25' @ 3618.00usft
 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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	1.00	318.93	2,099.99	0.66	-0.57	-0.63	1.00	1.00	0.00
2,200.00	2.00	318.93	2,199.96	2.63	-2.29	-2.54	1.00	1.00	0.00
2,288.64	2.89	318.93	2,288.52	5.48	-4.78	-5.29	1.00	1.00	0.00
2,300.00	2.89	318.93	2,299.86	5.91	-5.15	-5.70	0.00	0.00	0.00
2,400.00	2.89	318.93	2,399.74	9.71	-8.46	-9.37	0.00	0.00	0.00
2,500.00	2.89	318.93	2,499.61	13.50	-11.77	-13.03	0.00	0.00	0.00
2,600.00	2.89	318.93	2,599.48	17.30	-15.08	-16.69	0.00	0.00	0.00
2,700.00	2.89	318.93	2,699.36	21.10	-18.38	-20.36	0.00	0.00	0.00
2,800.00	2.89	318.93	2,799.23	24.89	-21.69	-24.02	0.00	0.00	0.00
2,900.00	2.89	318.93	2,899.10	28.69	-25.00	-27.68	0.00	0.00	0.00
3,000.00	2.89	318.93	2,998.98	32.49	-28.31	-31.34	0.00	0.00	0.00
3,100.00	2.89	318.93	3,098.85	36.28	-31.62	-35.01	0.00	0.00	0.00
3,200.00	2.89	318.93	3,198.72	40.08	-34.93	-38.67	0.00	0.00	0.00
3,300.00	2.89	318.93	3,298.59	43.87	-38.23	-42.33	0.00	0.00	0.00
3,400.00	2.89	318.93	3,398.47	47.67	-41.54	-46.00	0.00	0.00	0.00
3,500.00	2.89	318.93	3,498.34	51.47	-44.85	-49.66	0.00	0.00	0.00
3,600.00	2.89	318.93	3,598.21	55.26	-48.16	-53.32	0.00	0.00	0.00
3,700.00	2.89	318.93	3,698.09	59.06	-51.47	-56.98	0.00	0.00	0.00
3,800.00	2.89	318.93	3,797.96	62.86	-54.77	-60.65	0.00	0.00	0.00
3,900.00	2.89	318.93	3,897.83	66.65	-58.08	-64.31	0.00	0.00	0.00
4,000.00	2.89	318.93	3,997.71	70.45	-61.39	-67.97	0.00	0.00	0.00
4,100.00	2.89	318.93	4,097.58	74.25	-64.70	-71.64	0.00	0.00	0.00
4,200.00	2.89	318.93	4,197.45	78.04	-68.01	-75.30	0.00	0.00	0.00
4,300.00	2.89	318.93	4,297.33	81.84	-71.32	-78.96	0.00	0.00	0.00
4,400.00	2.89	318.93	4,397.20	85.63	-74.62	-82.62	0.00	0.00	0.00
4,500.00	2.89	318.93	4,497.07	89.43	-77.93	-86.29	0.00	0.00	0.00
4,600.00	2.89	318.93	4,596.95	93.23	-81.24	-89.95	0.00	0.00	0.00
4,700.00	2.89	318.93	4,696.82	97.02	-84.55	-93.61	0.00	0.00	0.00
4,800.00	2.89	318.93	4,796.69	100.82	-87.86	-97.28	0.00	0.00	0.00
4,900.00	2.89	318.93	4,896.57	104.62	-91.17	-100.94	0.00	0.00	0.00
5,000.00	2.89	318.93	4,996.44	108.41	-94.47	-104.60	0.00	0.00	0.00
5,100.00	2.89	318.93	5,096.31	112.21	-97.78	-108.27	0.00	0.00	0.00
5,200.00	2.89	318.93	5,196.18	116.01	-101.09	-111.93	0.00	0.00	0.00



EOG Resources, Inc.

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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)
5,300.00	2.89	318.93	5,296.06	119.80	-104.40	-115.59	0.00	0.00	0.00
5,400.00	2.89	318.93	5,395.93	123.60	-107.71	-119.25	0.00	0.00	0.00
5,500.00	2.89	318.93	5,495.80	127.39	-111.01	-122.92	0.00	0.00	0.00
5,600.00	2.89	318.93	5,595.68	131.19	-114.32	-126.58	0.00	0.00	0.00
5,700.00	2.89	318.93	5,695.55	134.99	-117.63	-130.24	0.00	0.00	0.00
5,800.00	2.89	318.93	5,795.42	138.78	-120.94	-133.91	0.00	0.00	0.00
5,900.00	2.89	318.93	5,895.30	142.58	-124.25	-137.57	0.00	0.00	0.00
6,000.00	2.89	318.93	5,995.17	146.38	-127.56	-141.23	0.00	0.00	0.00
6,100.00	2.89	318.93	6,095.04	150.17	-130.86	-144.89	0.00	0.00	0.00
6,200.00	2.89	318.93	6,194.92	153.97	-134.17	-148.56	0.00	0.00	0.00
6,300.00	2.89	318.93	6,294.79	157.77	-137.48	-152.22	0.00	0.00	0.00
6,400.00	2.89	318.93	6,394.66	161.56	-140.79	-155.88	0.00	0.00	0.00
6,500.00	2.89	318.93	6,494.54	165.36	-144.10	-159.55	0.00	0.00	0.00
6,600.00	2.89	318.93	6,594.41	169.15	-147.40	-163.21	0.00	0.00	0.00
6,700.00	2.89	318.93	6,694.28	172.95	-150.71	-166.87	0.00	0.00	0.00
6,800.00	2.89	318.93	6,794.15	176.75	-154.02	-170.53	0.00	0.00	0.00
6,900.00	2.89	318.93	6,894.03	180.54	-157.33	-174.20	0.00	0.00	0.00
7,000.00	2.89	318.93	6,993.90	184.34	-160.64	-177.86	0.00	0.00	0.00
7,100.00	2.89	318.93	7,093.77	188.14	-163.95	-181.52	0.00	0.00	0.00
7,200.00	2.89	318.93	7,193.65	191.93	-167.25	-185.19	0.00	0.00	0.00
7,300.00	2.89	318.93	7,293.52	195.73	-170.56	-188.85	0.00	0.00	0.00
7,400.00	2.89	318.93	7,393.39	199.53	-173.87	-192.51	0.00	0.00	0.00
7,500.00	2.89	318.93	7,493.27	203.32	-177.18	-196.17	0.00	0.00	0.00
7,600.00	2.89	318.93	7,593.14	207.12	-180.49	-199.84	0.00	0.00	0.00
7,700.00	2.89	318.93	7,693.01	210.91	-183.80	-203.50	0.00	0.00	0.00
7,800.00	2.89	318.93	7,792.89	214.71	-187.10	-207.16	0.00	0.00	0.00
7,900.00	2.89	318.93	7,892.76	218.51	-190.41	-210.83	0.00	0.00	0.00
8,000.00	2.89	318.93	7,992.63	222.30	-193.72	-214.49	0.00	0.00	0.00
8,100.00	2.89	318.93	8,092.51	226.10	-197.03	-218.15	0.00	0.00	0.00
8,200.00	2.89	318.93	8,192.38	229.90	-200.34	-221.82	0.00	0.00	0.00
8,300.00	2.89	318.93	8,292.25	233.69	-203.64	-225.48	0.00	0.00	0.00
8,400.00	2.89	318.93	8,392.13	237.49	-206.95	-229.14	0.00	0.00	0.00
8,500.00	2.89	318.93	8,492.00	241.29	-210.26	-232.80	0.00	0.00	0.00
8,600.00	2.89	318.93	8,591.87	245.08	-213.57	-236.47	0.00	0.00	0.00
8,700.00	2.89	318.93	8,691.74	248.88	-216.88	-240.13	0.00	0.00	0.00
8,800.00	2.89	318.93	8,791.62	252.67	-220.19	-243.79	0.00	0.00	0.00
8,900.00	2.89	318.93	8,891.49	256.47	-223.49	-247.46	0.00	0.00	0.00
8,914.03	2.89	318.93	8,905.51	257.00	-223.96	-247.97	0.00	0.00	0.00
8,925.00	2.07	294.55	8,916.46	257.29	-224.32	-248.25	12.00	-7.44	-222.36
8,950.00	2.83	220.84	8,941.45	257.02	-225.13	-247.93	12.00	3.04	-294.81
8,975.00	5.45	199.44	8,966.38	255.43	-225.93	-246.32	12.00	10.49	-85.62
9,000.00	8.33	192.30	8,991.20	252.54	-226.71	-243.40	12.00	11.52	-28.56
9,025.00	11.27	188.84	9,015.83	248.35	-227.48	-239.19	12.00	11.77	-13.85
9,050.00	14.24	186.80	9,040.21	242.88	-228.22	-233.69	12.00	11.87	-8.16
9,075.00	17.22	185.45	9,064.27	236.14	-228.93	-228.93	12.00	11.91	-5.39
9,100.00	20.20	184.49	9,087.95	228.15	-229.62	-218.92	12.00	11.94	-3.84
9,125.00	23.19	183.77	9,111.17	218.94	-230.28	-209.68	12.00	11.95	-2.88
9,150.00	26.18	183.21	9,133.88	208.52	-230.91	-199.24	12.00	11.96	-2.26
9,175.00	29.18	182.75	9,156.02	196.92	-231.52	-187.63	12.00	11.97	-1.82
9,200.00	32.17	182.37	9,177.52	184.18	-232.08	-174.88	12.00	11.98	-1.51
9,225.00	35.16	182.05	9,198.33	170.33	-232.62	-161.03	12.00	11.98	-1.28
9,250.00	38.16	181.78	9,218.38	155.42	-233.11	-146.10	12.00	11.98	-1.10
9,275.00	41.16	181.54	9,237.62	139.47	-233.57	-130.15	12.00	11.98	-0.96
9,300.00	44.15	181.32	9,256.01	122.54	-233.99	-113.21	12.00	11.99	-0.86



EOG Resources, Inc.

Planning Report

Database: EDM 5000.14 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Foghorn 32 State Com
Well: #202H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #202H
TVD Reference: KB = 25' @ 3618.00usft
MD Reference: KB = 25' @ 3618.00usft
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)
9,325.00	47.15	181.13	9,273.48	104.67	-234.38	-95.34	12.00	11.99	-0.77
9,350.00	50.15	180.96	9,290.00	85.91	-234.72	-76.58	12.00	11.99	-0.70
9,375.00	53.14	180.80	9,305.51	66.31	-235.02	-56.98	12.00	11.99	-0.64
9,400.00	56.14	180.65	9,319.97	45.92	-235.27	-36.61	12.00	11.99	-0.59
9,425.00	59.14	180.51	9,333.35	24.81	-235.49	-15.50	12.00	11.99	-0.55
9,450.00	62.14	180.38	9,345.61	3.02	-235.65	6.28	12.00	11.99	-0.52
9,475.00	65.13	180.26	9,356.71	-19.37	-235.78	28.66	12.00	11.99	-0.49
9,494.06	67.42	180.17	9,364.38	-36.83	-235.84	46.10	12.00	11.99	-0.47
FTP (Foghorn 32 State Com #202H)									
9,500.00	68.13	180.14	9,366.63	-42.32	-235.86	51.59	12.00	11.99	-0.46
9,525.00	71.13	180.03	9,375.33	-65.76	-235.89	75.01	12.00	11.99	-0.45
9,550.00	74.13	179.92	9,382.79	-89.61	-235.88	98.85	12.00	11.99	-0.43
9,575.00	77.13	179.82	9,388.99	-113.83	-235.83	123.04	12.00	11.99	-0.42
9,600.00	80.13	179.72	9,393.92	-138.33	-235.73	147.52	12.00	11.99	-0.41
9,625.00	83.12	179.62	9,397.56	-163.06	-235.59	172.23	12.00	11.99	-0.40
9,650.00	86.12	179.52	9,399.91	-187.95	-235.40	197.09	12.00	11.99	-0.40
9,675.00	89.12	179.42	9,400.94	-212.92	-235.17	222.04	12.00	11.99	-0.39
9,682.33	90.00	179.39	9,401.00	-220.26	-235.09	229.36	12.00	11.99	-0.39
9,700.00	90.00	179.39	9,401.00	-237.92	-234.90	247.00	0.00	0.00	0.00
9,800.00	90.00	179.39	9,401.00	-337.92	-233.84	346.88	0.00	0.00	0.00
9,900.00	90.00	179.39	9,401.00	-437.91	-232.77	446.75	0.00	0.00	0.00
10,000.00	90.00	179.39	9,401.00	-537.91	-231.71	546.63	0.00	0.00	0.00
10,100.00	90.00	179.39	9,401.00	-637.90	-230.64	646.50	0.00	0.00	0.00
10,200.00	90.00	179.39	9,401.00	-737.89	-229.58	746.38	0.00	0.00	0.00
10,300.00	90.00	179.39	9,401.00	-837.89	-228.51	846.25	0.00	0.00	0.00
10,400.00	90.00	179.39	9,401.00	-937.88	-227.45	946.13	0.00	0.00	0.00
10,500.00	90.00	179.39	9,401.00	-1,037.88	-226.38	1,046.00	0.00	0.00	0.00
10,600.00	90.00	179.39	9,401.00	-1,137.87	-225.32	1,145.87	0.00	0.00	0.00
10,700.00	90.00	179.39	9,401.00	-1,237.87	-224.25	1,245.75	0.00	0.00	0.00
10,800.00	90.00	179.39	9,401.00	-1,337.86	-223.19	1,345.62	0.00	0.00	0.00
10,900.00	90.00	179.39	9,401.00	-1,437.85	-222.13	1,445.50	0.00	0.00	0.00
11,000.00	90.00	179.39	9,401.00	-1,537.85	-221.06	1,545.37	0.00	0.00	0.00
11,100.00	90.00	179.39	9,401.00	-1,637.84	-220.00	1,645.25	0.00	0.00	0.00
11,200.00	90.00	179.39	9,401.00	-1,737.84	-218.93	1,745.12	0.00	0.00	0.00
11,300.00	90.00	179.39	9,401.00	-1,837.83	-217.87	1,845.00	0.00	0.00	0.00
11,400.00	90.00	179.39	9,401.00	-1,937.83	-216.80	1,944.87	0.00	0.00	0.00
11,500.00	90.00	179.39	9,401.00	-2,037.82	-215.74	2,044.74	0.00	0.00	0.00
11,600.00	90.00	179.39	9,401.00	-2,137.82	-214.67	2,144.62	0.00	0.00	0.00
11,700.00	90.00	179.39	9,401.00	-2,237.81	-213.61	2,244.49	0.00	0.00	0.00
11,800.00	90.00	179.39	9,401.00	-2,337.80	-212.54	2,344.37	0.00	0.00	0.00
11,900.00	90.00	179.39	9,401.00	-2,437.80	-211.48	2,444.24	0.00	0.00	0.00
12,000.00	90.00	179.39	9,401.00	-2,537.79	-210.41	2,544.12	0.00	0.00	0.00
12,100.00	90.00	179.39	9,401.00	-2,637.79	-209.35	2,643.99	0.00	0.00	0.00
12,200.00	90.00	179.39	9,401.00	-2,737.78	-208.29	2,743.87	0.00	0.00	0.00
12,300.00	90.00	179.39	9,401.00	-2,837.78	-207.22	2,843.74	0.00	0.00	0.00
12,400.00	90.00	179.39	9,401.00	-2,937.77	-206.16	2,943.62	0.00	0.00	0.00
12,500.00	90.00	179.39	9,401.00	-3,037.76	-205.09	3,043.49	0.00	0.00	0.00
12,600.00	90.00	179.39	9,401.00	-3,137.76	-204.03	3,143.36	0.00	0.00	0.00
12,700.00	90.00	179.39	9,401.00	-3,237.75	-202.96	3,243.24	0.00	0.00	0.00
12,800.00	90.00	179.39	9,401.00	-3,337.75	-201.90	3,343.11	0.00	0.00	0.00
12,900.00	90.00	179.39	9,401.00	-3,437.74	-200.83	3,442.99	0.00	0.00	0.00
13,000.00	90.00	179.39	9,401.00	-3,537.74	-199.77	3,542.86	0.00	0.00	0.00
13,100.00	90.00	179.39	9,401.00	-3,637.73	-198.70	3,642.74	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)
13,200.00	90.00	179.39	9,401.00	-3,737.72	-197.64	3,742.61	0.00	0.00	0.00
13,300.00	90.00	179.39	9,401.00	-3,837.72	-196.57	3,842.49	0.00	0.00	0.00
13,400.00	90.00	179.39	9,401.00	-3,937.71	-195.51	3,942.36	0.00	0.00	0.00
13,500.00	90.00	179.39	9,401.00	-4,037.71	-194.45	4,042.24	0.00	0.00	0.00
13,600.00	90.00	179.39	9,401.00	-4,137.70	-193.38	4,142.11	0.00	0.00	0.00
13,700.00	90.00	179.39	9,401.00	-4,237.70	-192.32	4,241.98	0.00	0.00	0.00
13,800.00	90.00	179.39	9,401.00	-4,337.69	-191.25	4,341.86	0.00	0.00	0.00
13,900.00	90.00	179.39	9,401.00	-4,437.68	-190.19	4,441.73	0.00	0.00	0.00
14,000.00	90.00	179.39	9,401.00	-4,537.68	-189.12	4,541.61	0.00	0.00	0.00
14,100.00	90.00	179.39	9,401.00	-4,637.67	-188.06	4,641.48	0.00	0.00	0.00
14,199.33	90.00	179.39	9,401.00	-4,737.00	-187.00	4,740.69	0.00	0.00	0.00

PBHL (Foghorn 32 State Com #202H)

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP (Foghorn 32 State (	0.00	0.00	9,401.00	-21.00	-237.00	493,545.00	771,271.00	32.35462770	-103.58871256
- hit/miss target									
- Shape									
- plan misses target center by 39.91usft at 9494.06usft MD (9364.38 TVD, -36.83 N, -235.84 E)									
- Point									
PBHL (Foghorn 32 State	0.00	0.00	9,401.00	-4,737.00	-187.00	488,829.00	771,321.00	32.34166425	-103.58865685
- plan hits target center									
- Point									