

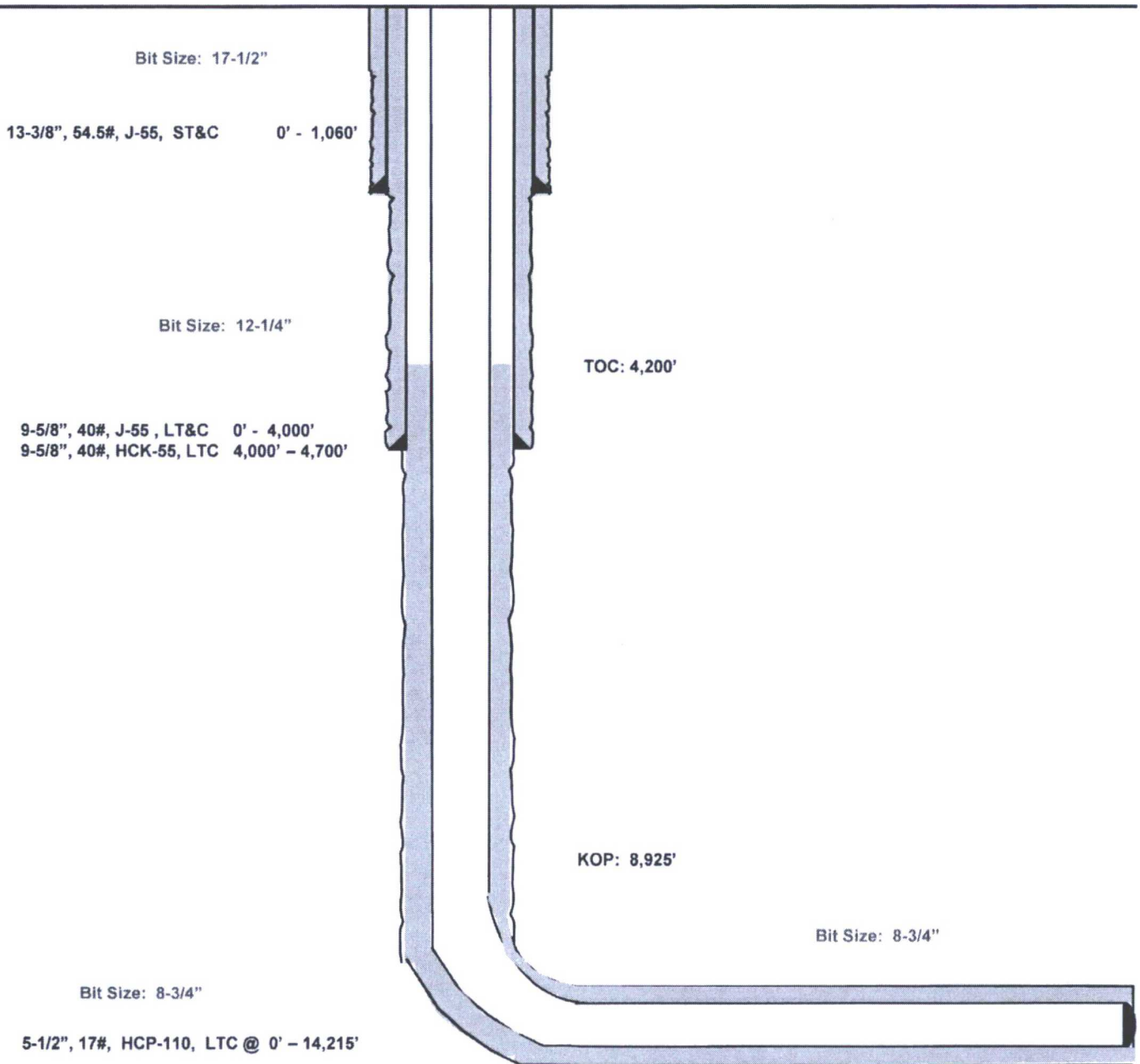
Leghorn 33 State Com #202H

Lea County, New Mexico
Proposed Wellbore

240' FNL
616' FWL
Section 33
T-22-S, R-33-E

API: 30-025-*****

KB: 3,621'
GL: 3,596'



Lateral: 14,215' MD, 9,405' TVD

BH Location: 230' FSL & 991' FWL
Section 33
T-22-S, R-33-E



Lea County, NM (NAD 83 NME)

Leghorn 33 State Com #202H

Plan #0.1



Azimuths to Grid North
True North: 0.40°
Magnetic North: 6.57°

Magnetic Field
Strength: 48012.2 nT
Dip Angle: 60.18°
Date: 6/21/2017
Model: IGRF 2015

To convert a Magnetic Direction to a Grid Direction, Add 6.57°
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' @ 3621.00ush 3596.00
Northing 493643.00 Easting 772729.00 Latitude 32.35486911 Longitude -103.59389907

SECTION DETAILS

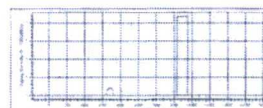
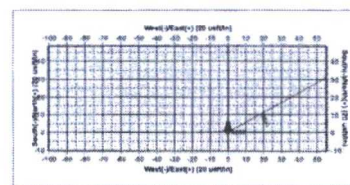
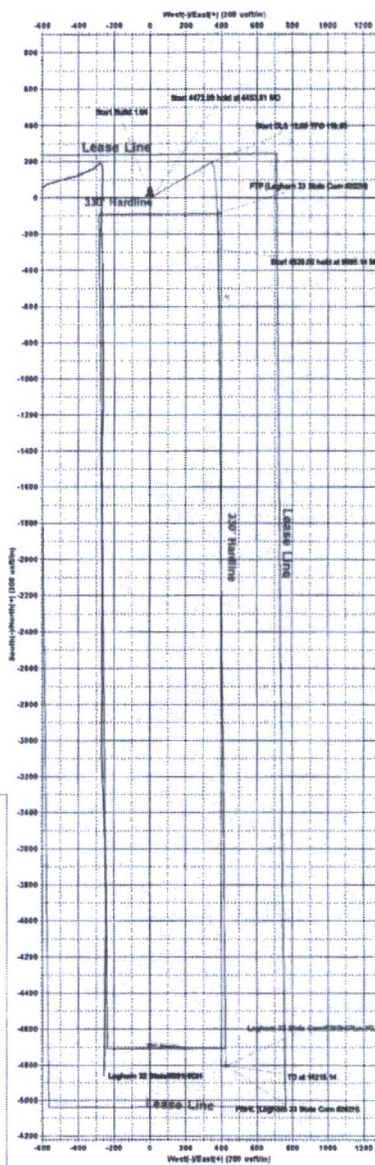
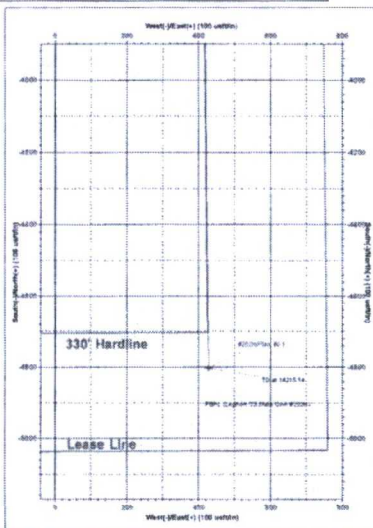
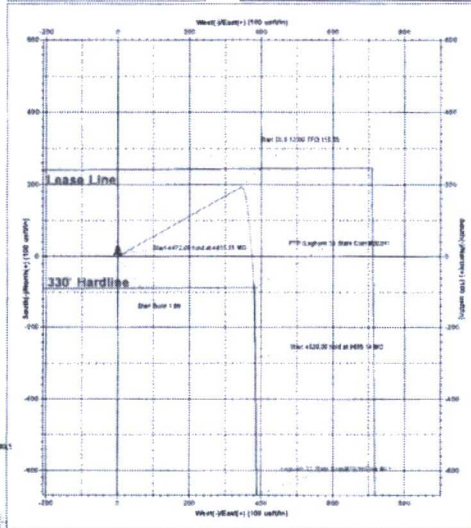
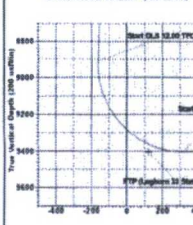
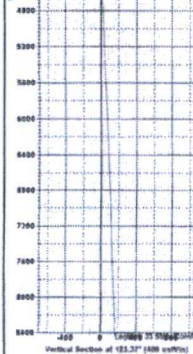
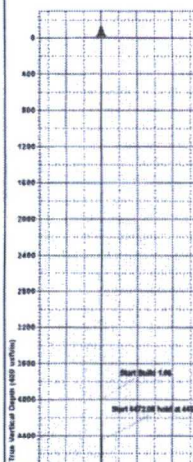
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dieg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	
3	4453.81	4.81	60.72	4453.28	9.30	18.59	1.06	60.72	-7.80	
4	8925.90	4.81	60.72	8909.65	192.51	343.39	0.00	0.00	-161.35	
5	9695.14	90.00	179.46	9405.00	-284.20	384.40	12.00	118.65	317.12	
6	14215.14	90.00	179.46	9405.00	-4804.00	427.00	0.00	0.00	4822.94	PBHL (Leghorn 33 State Com #202H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
TTP (Leghorn 33 State Com #202H)	9405.00	47.80	382.00	481586.00	773111.00
PBHL (Leghorn 33 State Com #202H)	9405.00	-4804.00	427.00	488835.00	773106.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Leghorn 33 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: Leghorn 33 State Com
Well: #202H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #202H
TVD Reference: KB = 25' @ 3621.00usft
MD Reference: KB = 25' @ 3621.00usft
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	Leghorn 33 State Com		
Site Position:		Northing:	493,643.00 usft
From:	Map	Easting:	772,729.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.35486910
		Longitude:	-103.58398907
		Grid Convergence:	0.40 °

Well	#202H		
Well Position	+N/-S	0.00 usft	Northing: 493,643.00 usft
	+E/-W	0.00 usft	Easting: 772,729.00 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	Latitude: 32.35486910
			Longitude: -103.58398907
			Ground Level: 3,596.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2015	6/21/2017	(°)	(°)	(nT)
			6.97	60.18	48,012.24272275

Design	Plan #0.1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.00	0.00	0.00	174.92

Plan Survey Tool Program	Date	6/22/2017		
Depth From	Depth To	Survey (Wellbore)	Tool Name	Remarks
(usft)	(usft)			
1	0.00	14,215.14 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	
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,453.81	4.81	60.72	4,453.28	9.30	16.59	1.06	1.06	0.00	60.72	
8,925.90	4.81	60.72	8,909.65	192.51	343.39	0.00	0.00	0.00	0.00	
9,695.14	90.00	179.46	9,405.00	-284.20	384.40	12.00	11.08	15.44	118.65	
14,215.14	90.00	179.46	9,405.00	-4,804.00	427.00	0.00	0.00	0.00	0.00	PBHL (Leghorn 33 St



EOG Resources, Inc.

Planning Report

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Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Leghorn 33 State Com
Well: #202H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #202H
TVD Reference: KB = 25' @ 3621.00usft
MD Reference: KB = 25' @ 3621.00usft
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	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	1.06	60.72	4,099.99	0.45	0.81	-0.38	1.06	1.06	0.00
4,200.00	2.12	60.72	4,199.95	1.81	3.22	-1.51	1.06	1.06	0.00
4,300.00	3.18	60.72	4,299.85	4.07	7.25	-3.41	1.06	1.06	0.00
4,400.00	4.24	60.72	4,399.64	7.23	12.89	-6.06	1.06	1.06	0.00
4,453.81	4.81	60.72	4,453.28	9.30	16.59	-7.80	1.06	1.06	0.00
4,500.00	4.81	60.72	4,499.31	11.19	19.97	-9.38	0.00	0.00	0.00
4,600.00	4.81	60.72	4,598.95	15.29	27.27	-12.82	0.00	0.00	0.00
4,700.00	4.81	60.72	4,698.60	19.39	34.58	-16.25	0.00	0.00	0.00
4,800.00	4.81	60.72	4,798.25	23.48	41.89	-19.68	0.00	0.00	0.00
4,900.00	4.81	60.72	4,897.90	27.58	49.20	-23.12	0.00	0.00	0.00
5,000.00	4.81	60.72	4,997.55	31.68	56.50	-26.55	0.00	0.00	0.00
5,100.00	4.81	60.72	5,097.20	35.77	63.81	-29.98	0.00	0.00	0.00
5,200.00	4.81	60.72	5,196.85	39.87	71.12	-33.42	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.14 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Leghorn 33 State Com
 Well: #202H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #202H
 TVD Reference: KB = 25' @ 3621.00usft
 MD Reference: KB = 25' @ 3621.00usft
 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)
5,300.00	4.81	60.72	5,296.49	43.97	78.43	-36.85	0.00	0.00	0.00
5,400.00	4.81	60.72	5,396.14	48.06	85.73	-40.28	0.00	0.00	0.00
5,500.00	4.81	60.72	5,495.79	52.16	93.04	-43.72	0.00	0.00	0.00
5,600.00	4.81	60.72	5,595.44	56.26	100.35	-47.15	0.00	0.00	0.00
5,700.00	4.81	60.72	5,695.09	60.35	107.66	-50.59	0.00	0.00	0.00
5,800.00	4.81	60.72	5,794.74	64.45	114.96	-54.02	0.00	0.00	0.00
5,900.00	4.81	60.72	5,894.38	68.55	122.27	-57.45	0.00	0.00	0.00
6,000.00	4.81	60.72	5,994.03	72.64	129.58	-60.89	0.00	0.00	0.00
6,100.00	4.81	60.72	6,093.68	76.74	136.89	-64.32	0.00	0.00	0.00
6,200.00	4.81	60.72	6,193.33	80.84	144.19	-67.75	0.00	0.00	0.00
6,300.00	4.81	60.72	6,292.98	84.93	151.50	-71.19	0.00	0.00	0.00
6,400.00	4.81	60.72	6,392.63	89.03	158.81	-74.62	0.00	0.00	0.00
6,500.00	4.81	60.72	6,492.28	93.13	166.12	-78.06	0.00	0.00	0.00
6,600.00	4.81	60.72	6,591.92	97.23	173.42	-81.49	0.00	0.00	0.00
6,700.00	4.81	60.72	6,691.57	101.32	180.73	-84.92	0.00	0.00	0.00
6,800.00	4.81	60.72	6,791.22	105.42	188.04	-88.36	0.00	0.00	0.00
6,900.00	4.81	60.72	6,890.87	109.52	195.35	-91.79	0.00	0.00	0.00
7,000.00	4.81	60.72	6,990.52	113.61	202.65	-95.22	0.00	0.00	0.00
7,100.00	4.81	60.72	7,090.17	117.71	209.96	-98.66	0.00	0.00	0.00
7,200.00	4.81	60.72	7,189.81	121.81	217.27	-102.09	0.00	0.00	0.00
7,300.00	4.81	60.72	7,289.46	125.90	224.58	-105.52	0.00	0.00	0.00
7,400.00	4.81	60.72	7,389.11	130.00	231.88	-108.96	0.00	0.00	0.00
7,500.00	4.81	60.72	7,488.76	134.10	239.19	-112.39	0.00	0.00	0.00
7,600.00	4.81	60.72	7,588.41	138.19	246.50	-115.83	0.00	0.00	0.00
7,700.00	4.81	60.72	7,688.06	142.29	253.81	-119.26	0.00	0.00	0.00
7,800.00	4.81	60.72	7,787.71	146.39	261.11	-122.69	0.00	0.00	0.00
7,900.00	4.81	60.72	7,887.35	150.48	268.42	-126.13	0.00	0.00	0.00
8,000.00	4.81	60.72	7,987.00	154.58	275.73	-129.56	0.00	0.00	0.00
8,100.00	4.81	60.72	8,086.65	158.68	283.04	-132.99	0.00	0.00	0.00
8,200.00	4.81	60.72	8,186.30	162.77	290.34	-136.43	0.00	0.00	0.00
8,300.00	4.81	60.72	8,285.95	166.87	297.65	-139.86	0.00	0.00	0.00
8,400.00	4.81	60.72	8,385.60	170.97	304.96	-143.30	0.00	0.00	0.00
8,500.00	4.81	60.72	8,485.24	175.06	312.27	-146.73	0.00	0.00	0.00
8,600.00	4.81	60.72	8,584.89	179.16	319.57	-150.16	0.00	0.00	0.00
8,700.00	4.81	60.72	8,684.54	183.26	326.88	-153.60	0.00	0.00	0.00
8,800.00	4.81	60.72	8,784.19	187.35	334.19	-157.03	0.00	0.00	0.00
8,900.00	4.81	60.72	8,883.84	191.45	341.50	-160.46	0.00	0.00	0.00
8,925.90	4.81	60.72	8,909.65	192.51	343.39	-161.35	0.00	0.00	0.00
8,950.00	4.26	97.35	8,933.68	192.89	345.16	-161.57	12.00	-2.28	151.97
8,975.00	5.53	129.89	8,958.59	192.00	347.00	-160.52	12.00	5.10	130.15
9,000.00	7.81	146.96	8,983.42	189.80	348.85	-158.17	12.00	9.13	68.31
9,025.00	10.46	155.93	9,008.10	186.30	350.71	-154.52	12.00	10.60	35.87
9,050.00	13.26	161.23	9,032.57	181.52	352.56	-149.59	12.00	11.19	21.20
9,075.00	16.13	164.69	9,056.75	175.45	354.40	-143.38	12.00	11.48	13.85
9,100.00	19.04	167.13	9,080.58	168.12	356.22	-135.93	12.00	11.64	9.73
9,125.00	21.97	168.93	9,103.99	159.56	358.03	-127.23	12.00	11.73	7.23
9,150.00	24.92	170.33	9,126.92	149.77	359.81	-117.33	12.00	11.79	5.59
9,175.00	27.88	171.45	9,149.32	138.80	361.56	-106.24	12.00	11.83	4.48
9,200.00	30.84	172.37	9,171.10	126.66	363.29	-94.00	12.00	11.86	3.68
9,225.00	33.82	173.14	9,192.22	113.40	364.97	-80.64	12.00	11.89	3.09
9,250.00	36.79	173.80	9,212.62	99.05	366.61	-66.20	12.00	11.90	2.65
9,275.00	39.77	174.38	9,232.25	83.64	368.20	-50.72	12.00	11.92	2.30
9,300.00	42.75	174.89	9,251.04	67.23	369.74	-34.23	12.00	11.93	2.03
9,325.00	45.74	175.34	9,268.94	49.85	371.22	-16.79	12.00	11.93	1.81



EOG Resources, Inc.

Planning Report

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Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Leghorn 33 State Com
Well: #202H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #202H
TVD Reference: KB = 25' @ 3621.00usft
MD Reference: KB = 25' @ 3621.00usft
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)
9,350.00	48.72	175.75	9,285.92	31.56	372.65	1.56	12.00	11.94	1.64
9,375.00	51.71	176.12	9,301.92	12.40	374.01	20.76	12.00	11.94	1.50
9,400.00	54.69	176.47	9,316.89	-7.58	375.30	40.77	12.00	11.95	1.38
9,425.00	57.68	176.79	9,330.80	-28.31	376.52	61.53	12.00	11.95	1.28
9,450.00	60.67	177.09	9,343.61	-49.74	377.67	82.99	12.00	11.96	1.20
9,475.00	63.66	177.37	9,355.28	-71.82	378.73	105.07	12.00	11.96	1.13
9,500.00	66.65	177.64	9,365.78	-94.49	379.72	127.73	12.00	11.96	1.07
9,507.74	67.58	177.72	9,368.79	-101.61	380.01	134.86	12.00	11.96	1.04
FTP (Leghorn 33 State Com #202H)									
9,525.00	69.64	177.89	9,375.09	-117.67	380.63	150.91	12.00	11.96	1.02
9,550.00	72.63	178.14	9,383.17	-141.31	381.44	174.53	12.00	11.96	0.99
9,575.00	75.62	178.38	9,390.01	-165.34	382.18	198.53	12.00	11.96	0.95
9,600.00	78.61	178.61	9,395.58	-189.70	382.82	222.85	12.00	11.97	0.93
9,625.00	81.61	178.84	9,399.87	-214.32	383.36	247.42	12.00	11.97	0.91
9,650.00	84.60	179.06	9,402.87	-239.13	383.82	272.18	12.00	11.97	0.90
9,675.00	87.59	179.28	9,404.58	-264.07	384.18	297.05	12.00	11.97	0.89
9,695.14	90.00	179.46	9,405.00	-284.20	384.40	317.12	12.00	11.97	0.88
9,700.00	90.00	179.46	9,405.00	-289.06	384.45	321.97	0.00	0.00	0.00
9,800.00	90.00	179.46	9,405.00	-389.06	385.39	421.65	0.00	0.00	0.00
9,900.00	90.00	179.46	9,405.00	-489.05	386.33	521.34	0.00	0.00	0.00
10,000.00	90.00	179.46	9,405.00	-589.05	387.27	621.02	0.00	0.00	0.00
10,100.00	90.00	179.46	9,405.00	-689.05	388.22	720.71	0.00	0.00	0.00
10,200.00	90.00	179.46	9,405.00	-789.04	389.16	820.40	0.00	0.00	0.00
10,300.00	90.00	179.46	9,405.00	-889.04	390.10	920.08	0.00	0.00	0.00
10,400.00	90.00	179.46	9,405.00	-989.03	391.04	1,019.77	0.00	0.00	0.00
10,500.00	90.00	179.46	9,405.00	-1,089.03	391.99	1,119.46	0.00	0.00	0.00
10,600.00	90.00	179.46	9,405.00	-1,189.02	392.93	1,219.14	0.00	0.00	0.00
10,700.00	90.00	179.46	9,405.00	-1,289.02	393.87	1,318.83	0.00	0.00	0.00
10,800.00	90.00	179.46	9,405.00	-1,389.01	394.81	1,418.51	0.00	0.00	0.00
10,900.00	90.00	179.46	9,405.00	-1,489.01	395.76	1,518.20	0.00	0.00	0.00
11,000.00	90.00	179.46	9,405.00	-1,589.01	396.70	1,617.89	0.00	0.00	0.00
11,100.00	90.00	179.46	9,405.00	-1,689.00	397.64	1,717.57	0.00	0.00	0.00
11,200.00	90.00	179.46	9,405.00	-1,789.00	398.58	1,817.26	0.00	0.00	0.00
11,300.00	90.00	179.46	9,405.00	-1,888.99	399.53	1,916.95	0.00	0.00	0.00
11,400.00	90.00	179.46	9,405.00	-1,988.99	400.47	2,016.63	0.00	0.00	0.00
11,500.00	90.00	179.46	9,405.00	-2,088.98	401.41	2,116.32	0.00	0.00	0.00
11,600.00	90.00	179.46	9,405.00	-2,188.98	402.35	2,216.01	0.00	0.00	0.00
11,700.00	90.00	179.46	9,405.00	-2,288.97	403.30	2,315.69	0.00	0.00	0.00
11,800.00	90.00	179.46	9,405.00	-2,388.97	404.24	2,415.38	0.00	0.00	0.00
11,900.00	90.00	179.46	9,405.00	-2,488.97	405.18	2,515.06	0.00	0.00	0.00
12,000.00	90.00	179.46	9,405.00	-2,588.96	406.12	2,614.75	0.00	0.00	0.00
12,100.00	90.00	179.46	9,405.00	-2,688.96	407.07	2,714.44	0.00	0.00	0.00
12,200.00	90.00	179.46	9,405.00	-2,788.95	408.01	2,814.12	0.00	0.00	0.00
12,300.00	90.00	179.46	9,405.00	-2,888.95	408.95	2,913.81	0.00	0.00	0.00
12,400.00	90.00	179.46	9,405.00	-2,988.94	409.89	3,013.50	0.00	0.00	0.00
12,500.00	90.00	179.46	9,405.00	-3,088.94	410.84	3,113.18	0.00	0.00	0.00
12,600.00	90.00	179.46	9,405.00	-3,188.93	411.78	3,212.87	0.00	0.00	0.00
12,700.00	90.00	179.46	9,405.00	-3,288.93	412.72	3,312.55	0.00	0.00	0.00
12,800.00	90.00	179.46	9,405.00	-3,388.93	413.66	3,412.24	0.00	0.00	0.00
12,900.00	90.00	179.46	9,405.00	-3,488.92	414.61	3,511.93	0.00	0.00	0.00
13,000.00	90.00	179.46	9,405.00	-3,588.92	415.55	3,611.61	0.00	0.00	0.00
13,100.00	90.00	179.46	9,405.00	-3,688.91	416.49	3,711.30	0.00	0.00	0.00
13,200.00	90.00	179.46	9,405.00	-3,788.91	417.43	3,810.99	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.14 Single User Db
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Wellbore: OH
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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)
13,300.00	90.00	179.46	9,405.00	-3,888.90	418.38	3,910.67	0.00	0.00	0.00
13,400.00	90.00	179.46	9,405.00	-3,988.90	419.32	4,010.36	0.00	0.00	0.00
13,500.00	90.00	179.46	9,405.00	-4,088.89	420.26	4,110.05	0.00	0.00	0.00
13,600.00	90.00	179.46	9,405.00	-4,188.89	421.20	4,209.73	0.00	0.00	0.00
13,700.00	90.00	179.46	9,405.00	-4,288.89	422.15	4,309.42	0.00	0.00	0.00
13,800.00	90.00	179.46	9,405.00	-4,388.88	423.09	4,409.10	0.00	0.00	0.00
13,900.00	90.00	179.46	9,405.00	-4,488.88	424.03	4,508.79	0.00	0.00	0.00
14,000.00	90.00	179.46	9,405.00	-4,588.87	424.97	4,608.48	0.00	0.00	0.00
14,100.00	90.00	179.46	9,405.00	-4,688.87	425.91	4,708.16	0.00	0.00	0.00
14,200.00	90.00	179.46	9,405.00	-4,788.86	426.86	4,807.85	0.00	0.00	0.00
14,215.14	90.00	179.46	9,405.00	-4,804.00	427.00	4,822.94	0.00	0.00	0.00

PBHL (Leghorn 33 State Com #202H)

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 (Leghorn 33 State - plan hits target center - Point	0.00	0.00	9,405.00	-4,804.00	427.00	488,839.00	773,156.00	32.34165653	-103.58271541
FTP (Leghorn 33 State C - plan misses target center by 39.09usft at 9507.74usft MD (9368.79 TVD, -101.61 N, 380.01 E) - Point	0.00	0.00	9,405.00	-87.00	382.00	493,556.00	773,111.00	32.35462262	-103.58275406