



Lea County, NM (NAD 83 NME)

Ruby 2 State Com #710H

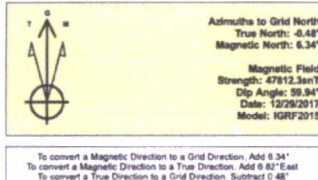
Plan #0.1

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: #710H

KB = 25' @ 3222 Surf
Northing 393605.00 Easting 819954.00 Longitude 32° 4' 44.063 N 103° 26' 1.611 W



SECTION DETAILS

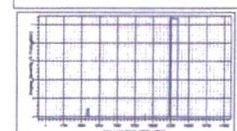
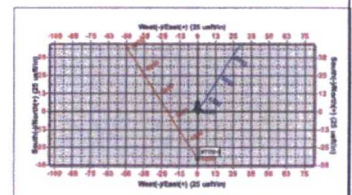
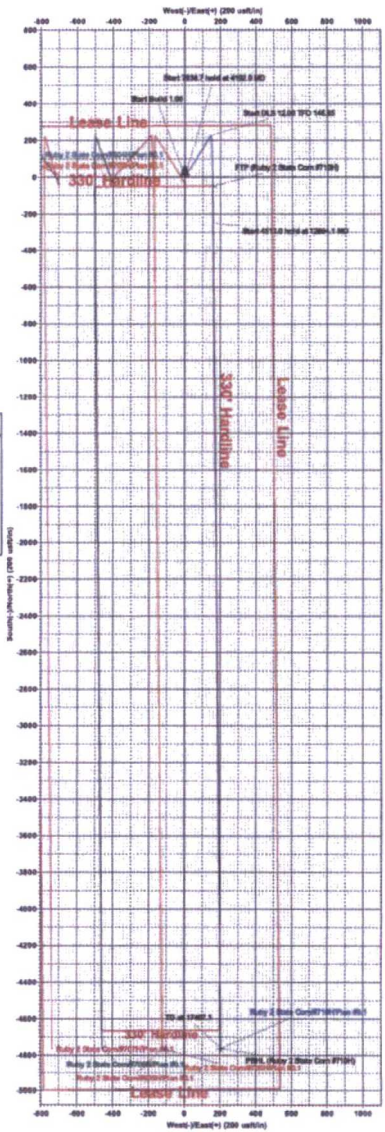
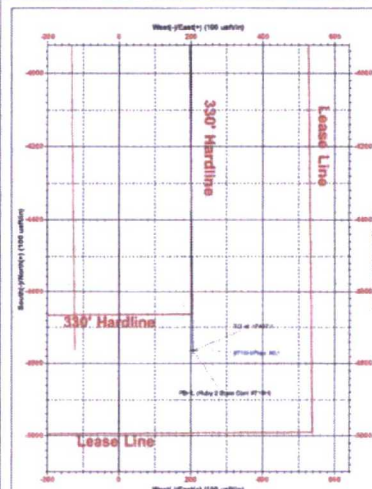
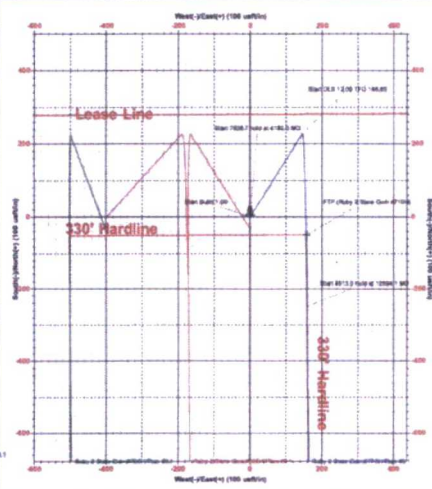
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4000.0	0.00	0.00	4000.0	0.0	0.0	0.00	0.00	0.0	
3	4192.0	1.92	32.53	4191.9	2.7	1.7	1.00	32.53	-2.6	
4	12130.7	1.92	32.53	12126.2	226.9	144.8	0.00	0.00	-220.4	
5	12894.1	90.00	179.40	12817.0	-250.2	158.7	12.00	146.85	256.9	
6	17407.1	90.00	179.40	12617.0	-4763.0	206.0	0.00	0.00	4767.5	PBHL (Ruby 2 State Com #710H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
PBHL (Ruby 2 State Com #710H)	12617.0	-4763.0	206.0	368842.00	820160.00
FTP (Ruby 2 State Com #710H)	12617.0	-50.0	157.0	393555.00	820111.00



WELLBORE TARGET DETAILS (MAP CO-ORDINATES)



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Ruby 2 State Com

#710H

OH

Plan: Plan #0.1

Standard Planning Report

03 January, 2018



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Ruby 2 State Com
Well: #710H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #710H
TVD Reference: KB = 25' @ 3322.0usft
MD Reference: KB = 25' @ 3322.0usft
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	Ruby 2 State Com			
Site Position:		Northing:	393,589.99 usft	Latitude: 32° 4' 47.315 N
From:	Map	Easting:	775,148.00 usft	Longitude: 103° 34' 42.355 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"	Grid Convergence: 0.40°

Well	#710H			
Well Position	+N/-S	15.0 usft	Northing:	393,605.00 usft
	+E/-W	44,806.0 usft	Easting:	819,954.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:		Ground Level: 3,297.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/29/2017	6.82	59.94	47,812.32775446

Design	Plan #0.1			
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	177.52

Plan Survey Tool Program	Date 1/2/2018			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	17,407.1 Plan #0.1 (OH)	MWD	
			MWD - Standard	

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	
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,192.0	1.92	32.53	4,191.9	2.7	1.7	1.00	1.00	0.00	32.53	
12,130.7	1.92	32.53	12,126.2	226.9	144.8	0.00	0.00	0.00	0.00	
12,894.1	90.00	179.40	12,617.0	-250.2	158.7	12.00	11.54	19.24	146.85	
17,407.1	90.00	179.40	12,617.0	-4,763.0	206.0	0.00	0.00	0.00	0.00	PBHL (Ruby 2 State C



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Ruby 2 State Corn
 Well: #710H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #710H
 TVD Reference: KB = 25' @ 3322.0usft
 MD Reference: KB = 25' @ 3322.0usft
 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)
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	1.00	32.53	4,100.0	0.7	0.5	-0.7	1.00	1.00	0.00
4,192.0	1.92	32.53	4,191.9	2.7	1.7	-2.6	1.00	1.00	0.00
4,200.0	1.92	32.53	4,200.0	2.9	1.9	-2.9	0.00	0.00	0.00
4,300.0	1.92	32.53	4,299.9	5.8	3.7	-5.6	0.00	0.00	0.00
4,400.0	1.92	32.53	4,399.8	8.6	5.5	-8.3	0.00	0.00	0.00
4,500.0	1.92	32.53	4,499.8	11.4	7.3	-11.1	0.00	0.00	0.00
4,600.0	1.92	32.53	4,599.7	14.2	9.1	-13.8	0.00	0.00	0.00
4,700.0	1.92	32.53	4,699.7	17.1	10.9	-16.6	0.00	0.00	0.00
4,800.0	1.92	32.53	4,799.6	19.9	12.7	-19.3	0.00	0.00	0.00
4,900.0	1.92	32.53	4,899.6	22.7	14.5	-22.1	0.00	0.00	0.00
5,000.0	1.92	32.53	4,999.5	25.5	16.3	-24.8	0.00	0.00	0.00
5,100.0	1.92	32.53	5,099.5	28.4	18.1	-27.5	0.00	0.00	0.00
5,200.0	1.92	32.53	5,199.4	31.2	19.9	-30.3	0.00	0.00	0.00



Planning Report

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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)
5,300.0	1.92	32.53	5,299.3	34.0	21.7	-33.0	0.00	0.00	0.00
5,400.0	1.92	32.53	5,399.3	36.8	23.5	-35.8	0.00	0.00	0.00
5,500.0	1.92	32.53	5,499.2	39.7	25.3	-38.5	0.00	0.00	0.00
5,600.0	1.92	32.53	5,599.2	42.5	27.1	-41.3	0.00	0.00	0.00
5,700.0	1.92	32.53	5,699.1	45.3	28.9	-44.0	0.00	0.00	0.00
5,800.0	1.92	32.53	5,799.1	48.1	30.7	-46.8	0.00	0.00	0.00
5,900.0	1.92	32.53	5,899.0	50.9	32.5	-49.5	0.00	0.00	0.00
6,000.0	1.92	32.53	5,998.9	53.8	34.3	-52.2	0.00	0.00	0.00
6,100.0	1.92	32.53	6,098.9	56.6	36.1	-55.0	0.00	0.00	0.00
6,200.0	1.92	32.53	6,198.8	59.4	37.9	-57.7	0.00	0.00	0.00
6,300.0	1.92	32.53	6,298.8	62.2	39.7	-60.5	0.00	0.00	0.00
6,400.0	1.92	32.53	6,398.7	65.1	41.5	-63.2	0.00	0.00	0.00
6,500.0	1.92	32.53	6,498.7	67.9	43.3	-66.0	0.00	0.00	0.00
6,600.0	1.92	32.53	6,598.6	70.7	45.1	-68.7	0.00	0.00	0.00
6,700.0	1.92	32.53	6,698.6	73.5	46.9	-71.4	0.00	0.00	0.00
6,800.0	1.92	32.53	6,798.5	76.4	48.7	-74.2	0.00	0.00	0.00
6,900.0	1.92	32.53	6,898.4	79.2	50.5	-76.9	0.00	0.00	0.00
7,000.0	1.92	32.53	6,998.4	82.0	52.3	-79.7	0.00	0.00	0.00
7,100.0	1.92	32.53	7,098.3	84.8	54.1	-82.4	0.00	0.00	0.00
7,200.0	1.92	32.53	7,198.3	87.7	55.9	-85.2	0.00	0.00	0.00
7,300.0	1.92	32.53	7,298.2	90.5	57.7	-87.9	0.00	0.00	0.00
7,400.0	1.92	32.53	7,398.2	93.3	59.5	-90.6	0.00	0.00	0.00
7,500.0	1.92	32.53	7,498.1	96.1	61.3	-93.4	0.00	0.00	0.00
7,600.0	1.92	32.53	7,598.1	99.0	63.1	-96.1	0.00	0.00	0.00
7,700.0	1.92	32.53	7,698.0	101.8	64.9	-98.9	0.00	0.00	0.00
7,800.0	1.92	32.53	7,797.9	104.6	66.7	-101.6	0.00	0.00	0.00
7,900.0	1.92	32.53	7,897.9	107.4	68.5	-104.4	0.00	0.00	0.00
8,000.0	1.92	32.53	7,997.8	110.3	70.3	-107.1	0.00	0.00	0.00
8,100.0	1.92	32.53	8,097.8	113.1	72.1	-109.9	0.00	0.00	0.00
8,200.0	1.92	32.53	8,197.7	115.9	73.9	-112.6	0.00	0.00	0.00
8,300.0	1.92	32.53	8,297.7	118.7	75.7	-115.3	0.00	0.00	0.00
8,400.0	1.92	32.53	8,397.6	121.6	77.5	-118.1	0.00	0.00	0.00
8,500.0	1.92	32.53	8,497.5	124.4	79.3	-120.8	0.00	0.00	0.00
8,600.0	1.92	32.53	8,597.5	127.2	81.1	-123.6	0.00	0.00	0.00
8,700.0	1.92	32.53	8,697.4	130.0	82.9	-126.3	0.00	0.00	0.00
8,800.0	1.92	32.53	8,797.4	132.8	84.7	-129.1	0.00	0.00	0.00
8,900.0	1.92	32.53	8,897.3	135.7	86.5	-131.8	0.00	0.00	0.00
9,000.0	1.92	32.53	8,997.3	138.5	88.3	-134.5	0.00	0.00	0.00
9,100.0	1.92	32.53	9,097.2	141.3	90.2	-137.3	0.00	0.00	0.00
9,200.0	1.92	32.53	9,197.2	144.1	92.0	-140.0	0.00	0.00	0.00
9,300.0	1.92	32.53	9,297.1	147.0	93.8	-142.8	0.00	0.00	0.00
9,400.0	1.92	32.53	9,397.0	149.8	95.6	-145.5	0.00	0.00	0.00
9,500.0	1.92	32.53	9,497.0	152.6	97.4	-148.3	0.00	0.00	0.00
9,600.0	1.92	32.53	9,596.9	155.4	99.2	-151.0	0.00	0.00	0.00
9,700.0	1.92	32.53	9,696.9	158.3	101.0	-153.8	0.00	0.00	0.00
9,800.0	1.92	32.53	9,796.8	161.1	102.8	-156.5	0.00	0.00	0.00
9,900.0	1.92	32.53	9,896.8	163.9	104.6	-159.2	0.00	0.00	0.00
10,000.0	1.92	32.53	9,996.7	166.7	106.4	-162.0	0.00	0.00	0.00
10,100.0	1.92	32.53	10,096.6	169.6	108.2	-164.7	0.00	0.00	0.00
10,200.0	1.92	32.53	10,196.6	172.4	110.0	-167.5	0.00	0.00	0.00
10,300.0	1.92	32.53	10,296.5	175.2	111.8	-170.2	0.00	0.00	0.00
10,400.0	1.92	32.53	10,396.5	178.0	113.6	-173.0	0.00	0.00	0.00
10,500.0	1.92	32.53	10,496.4	180.9	115.4	-175.7	0.00	0.00	0.00
10,600.0	1.92	32.53	10,596.4	183.7	117.2	-178.4	0.00	0.00	0.00



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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)
10,700.0	1.92	32.53	10,696.3	186.5	119.0	-181.2	0.00	0.00	0.00
10,800.0	1.92	32.53	10,796.3	189.3	120.8	-183.9	0.00	0.00	0.00
10,900.0	1.92	32.53	10,896.2	192.2	122.6	-186.7	0.00	0.00	0.00
11,000.0	1.92	32.53	10,996.1	195.0	124.4	-189.4	0.00	0.00	0.00
11,100.0	1.92	32.53	11,096.1	197.8	126.2	-192.2	0.00	0.00	0.00
11,200.0	1.92	32.53	11,196.0	200.6	128.0	-194.9	0.00	0.00	0.00
11,300.0	1.92	32.53	11,296.0	203.4	129.8	-197.7	0.00	0.00	0.00
11,400.0	1.92	32.53	11,395.9	206.3	131.6	-200.4	0.00	0.00	0.00
11,500.0	1.92	32.53	11,495.9	209.1	133.4	-203.1	0.00	0.00	0.00
11,600.0	1.92	32.53	11,595.8	211.9	135.2	-205.9	0.00	0.00	0.00
11,700.0	1.92	32.53	11,695.8	214.7	137.0	-208.6	0.00	0.00	0.00
11,800.0	1.92	32.53	11,795.7	217.6	138.8	-211.4	0.00	0.00	0.00
11,900.0	1.92	32.53	11,895.6	220.4	140.6	-214.1	0.00	0.00	0.00
12,000.0	1.92	32.53	11,995.6	223.2	142.4	-216.9	0.00	0.00	0.00
12,100.0	1.92	32.53	12,095.5	226.0	144.2	-219.6	0.00	0.00	0.00
12,130.7	1.92	32.53	12,126.2	226.9	144.8	-220.4	0.00	0.00	0.00
12,150.0	1.27	123.36	12,145.5	227.1	145.1	-220.6	12.00	-3.39	470.96
12,175.0	3.85	163.61	12,170.5	226.1	145.6	-219.6	12.00	10.35	161.02
12,200.0	6.79	170.55	12,195.4	223.8	146.1	-217.3	12.00	11.74	27.74
12,225.0	9.76	173.29	12,220.1	220.3	146.5	-213.7	12.00	11.90	10.97
12,250.0	12.75	174.76	12,244.6	215.4	147.0	-208.9	12.00	11.95	5.87
12,275.0	15.74	175.67	12,268.8	209.3	147.5	-202.7	12.00	11.97	3.67
12,300.0	18.74	176.30	12,292.7	201.9	148.1	-195.3	12.00	11.98	2.52
12,325.0	21.73	176.77	12,316.2	193.3	148.6	-186.7	12.00	11.98	1.85
12,350.0	24.73	177.12	12,339.1	183.4	149.1	-176.8	12.00	11.99	1.42
12,375.0	27.73	177.40	12,361.6	172.4	149.6	-165.8	12.00	11.99	1.13
12,400.0	30.72	177.63	12,383.4	160.2	150.2	-153.6	12.00	11.99	0.92
12,425.0	33.72	177.83	12,404.5	146.9	150.7	-140.2	12.00	11.99	0.77
12,450.0	36.72	177.99	12,425.0	132.5	151.2	-125.8	12.00	11.99	0.66
12,475.0	39.72	178.14	12,444.6	117.0	151.7	-110.4	12.00	11.99	0.58
12,500.0	42.72	178.26	12,463.4	100.6	152.3	-93.9	12.00	12.00	0.51
12,525.0	45.72	178.38	12,481.3	83.1	152.8	-76.5	12.00	12.00	0.45
12,550.0	48.72	178.48	12,498.3	64.8	153.3	-58.1	12.00	12.00	0.41
12,575.0	51.71	178.57	12,514.3	45.6	153.8	-38.9	12.00	12.00	0.37
12,600.0	54.71	178.66	12,529.3	25.6	154.2	-18.9	12.00	12.00	0.34
12,625.0	57.71	178.74	12,543.2	4.8	154.7	1.9	12.00	12.00	0.32
12,650.0	60.71	178.81	12,556.0	-16.7	155.2	23.3	12.00	12.00	0.30
12,675.0	63.71	178.88	12,567.6	-38.8	155.6	45.5	12.00	12.00	0.28
12,700.0	66.71	178.95	12,578.1	-61.5	156.1	68.1	12.00	12.00	0.27
12,725.0	69.71	179.01	12,587.4	-84.7	156.5	91.3	12.00	12.00	0.26
12,750.0	72.71	179.07	12,595.4	-108.3	156.9	115.0	12.00	12.00	0.25
12,775.0	75.71	179.13	12,602.2	-132.4	157.2	139.0	12.00	12.00	0.24
12,800.0	78.71	179.19	12,607.8	-156.8	157.6	163.4	12.00	12.00	0.23
12,825.0	81.71	179.25	12,612.0	-181.4	157.9	188.0	12.00	12.00	0.23
12,850.0	84.71	179.30	12,615.0	-206.2	158.2	212.8	12.00	12.00	0.22
12,875.0	87.71	179.36	12,616.6	-231.1	158.5	237.8	12.00	12.00	0.22
12,894.1	90.00	179.40	12,617.0	-250.2	158.7	256.9	12.00	12.00	0.22
12,900.0	90.00	179.40	12,617.0	-256.1	158.8	262.8	0.00	0.00	0.00
13,000.0	90.00	179.40	12,617.0	-356.1	159.8	362.7	0.00	0.00	0.00
13,100.0	90.00	179.40	12,617.0	-456.1	160.9	462.7	0.00	0.00	0.00
13,200.0	90.00	179.40	12,617.0	-556.1	161.9	562.6	0.00	0.00	0.00
13,300.0	90.00	179.40	12,617.0	-656.1	163.0	662.5	0.00	0.00	0.00
13,400.0	90.00	179.40	12,617.0	-756.1	164.0	762.5	0.00	0.00	0.00
13,500.0	90.00	179.40	12,617.0	-856.1	165.1	862.4	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Ruby 2 State Com
Well: #710H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #710H
TVD Reference: KB = 25' @ 3322.0usft
MD Reference: KB = 25' @ 3322.0usft
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)
13,600.0	90.00	179.40	12,617.0	-956.1	166.1	962.4	0.00	0.00	0.00
13,700.0	90.00	179.40	12,617.0	-1,056.1	167.2	1,062.3	0.00	0.00	0.00
13,800.0	90.00	179.40	12,617.0	-1,156.1	168.2	1,162.3	0.00	0.00	0.00
13,900.0	90.00	179.40	12,617.0	-1,256.1	169.3	1,262.2	0.00	0.00	0.00
14,000.0	90.00	179.40	12,617.0	-1,356.1	170.3	1,362.2	0.00	0.00	0.00
14,100.0	90.00	179.40	12,617.0	-1,456.1	171.4	1,462.1	0.00	0.00	0.00
14,200.0	90.00	179.40	12,617.0	-1,556.1	172.4	1,562.1	0.00	0.00	0.00
14,300.0	90.00	179.40	12,617.0	-1,656.1	173.5	1,662.0	0.00	0.00	0.00
14,400.0	90.00	179.40	12,617.0	-1,756.1	174.5	1,762.0	0.00	0.00	0.00
14,500.0	90.00	179.40	12,617.0	-1,856.0	175.6	1,861.9	0.00	0.00	0.00
14,600.0	90.00	179.40	12,617.0	-1,956.0	176.6	1,961.8	0.00	0.00	0.00
14,700.0	90.00	179.40	12,617.0	-2,056.0	177.7	2,061.8	0.00	0.00	0.00
14,800.0	90.00	179.40	12,617.0	-2,156.0	178.7	2,161.7	0.00	0.00	0.00
14,900.0	90.00	179.40	12,617.0	-2,256.0	179.7	2,261.7	0.00	0.00	0.00
15,000.0	90.00	179.40	12,617.0	-2,356.0	180.8	2,361.6	0.00	0.00	0.00
15,100.0	90.00	179.40	12,617.0	-2,456.0	181.8	2,461.6	0.00	0.00	0.00
15,200.0	90.00	179.40	12,617.0	-2,556.0	182.9	2,561.5	0.00	0.00	0.00
15,300.0	90.00	179.40	12,617.0	-2,656.0	183.9	2,661.5	0.00	0.00	0.00
15,400.0	90.00	179.40	12,617.0	-2,756.0	185.0	2,761.4	0.00	0.00	0.00
15,500.0	90.00	179.40	12,617.0	-2,856.0	186.0	2,861.4	0.00	0.00	0.00
15,600.0	90.00	179.40	12,617.0	-2,956.0	187.1	2,961.3	0.00	0.00	0.00
15,700.0	90.00	179.40	12,617.0	-3,056.0	188.1	3,061.3	0.00	0.00	0.00
15,800.0	90.00	179.40	12,617.0	-3,156.0	189.2	3,161.2	0.00	0.00	0.00
15,900.0	90.00	179.40	12,617.0	-3,256.0	190.2	3,261.2	0.00	0.00	0.00
16,000.0	90.00	179.40	12,617.0	-3,356.0	191.3	3,361.1	0.00	0.00	0.00
16,100.0	90.00	179.40	12,617.0	-3,456.0	192.3	3,461.0	0.00	0.00	0.00
16,200.0	90.00	179.40	12,617.0	-3,556.0	193.4	3,561.0	0.00	0.00	0.00
16,300.0	90.00	179.40	12,617.0	-3,656.0	194.4	3,660.9	0.00	0.00	0.00
16,400.0	90.00	179.40	12,617.0	-3,755.9	195.5	3,760.9	0.00	0.00	0.00
16,500.0	90.00	179.40	12,617.0	-3,855.9	196.5	3,860.8	0.00	0.00	0.00
16,600.0	90.00	179.40	12,617.0	-3,955.9	197.5	3,960.8	0.00	0.00	0.00
16,700.0	90.00	179.40	12,617.0	-4,055.9	198.6	4,060.7	0.00	0.00	0.00
16,800.0	90.00	179.40	12,617.0	-4,155.9	199.6	4,160.7	0.00	0.00	0.00
16,900.0	90.00	179.40	12,617.0	-4,255.9	200.7	4,260.6	0.00	0.00	0.00
17,000.0	90.00	179.40	12,617.0	-4,355.9	201.7	4,360.6	0.00	0.00	0.00
17,100.0	90.00	179.40	12,617.0	-4,455.9	202.8	4,460.5	0.00	0.00	0.00
17,200.0	90.00	179.40	12,617.0	-4,555.9	203.8	4,560.5	0.00	0.00	0.00
17,300.0	90.00	179.40	12,617.0	-4,655.9	204.9	4,660.4	0.00	0.00	0.00
17,407.1	90.00	179.40	12,617.0	-4,763.0	206.0	4,767.5	0.00	0.00	0.00

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
FTP (Ruby 2 State Com - plan misses target center by 40.3usft at 12703.8usft MD (12579.6 TVD, -65.0 N, 156.1 E) - Point	0.00	0.00	12,617.0	-50.0	157.0	393,555.00	820,111.00	32° 4' 43.556 N	103° 25' 59.791 W
PBHL (Ruby 2 State Cor - plan hits target center - Point	0.00	0.00	12,617.0	-4,763.0	206.0	388,842.00	820,160.00	32° 3' 56.916 N	103° 25' 59.679 W



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