

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-015-41469
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Buzz 21 State
8. Well Number 701H
9. OGRID Number 25575
10. Pool name or Wildcat Wildcat Wolfcamp Oil

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator EOG Y Resources, Inc.	
3. Address of Operator P.O. Box 2267 Midland, TX 79702	
4. Well Location Unit Letter A 220 feet from the North line and 330 feet from the East line Section 21 Township 24S Range 27E NMPM County Eddy	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3236' GR	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

EOG Y Resources requests an amendment to our approved APD for this well to reflect changes in SHL, BHL, TVD, Casing, and well name.

Change SHL TO: 220 FNL & 330 FEL, A-21-24S-27E
Change BHL TO: 220 FSL & 330 FEL, P-21-24S-27E

Change TVD TO: 9114' TVD, 13995' MD Wolfcamp Oil
Change well name and number TO: Buzz 21 State 701H
Casing details attached.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Stan Wagner TITLE Agent DATE 12/07/2016
Type or print name Stan Wagner E-mail address: _____ PHONE: 432-686-3689

For State Use Only

APPROVED BY: Bayer TITLE DII SUPERVISOR DATE 08 DEC 16
Conditions of Approval (if any): _____

OPERATOR CERTIFICATION

I hereby certify that the information furnished herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land underlying the proposed bottom hole location, or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a subsidiary pooling agreement or a secondary pooling order heretofore entered by the Division.

Stan Wagner 12/7/16
 Signature Date

Stan Wagner
 Printed Name

 Email Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

DECEMBER 2016
 Date Surveyed

Stan Wagner
 Signature of State of Professional Surveyor

7977
 State of New Mexico

Certified by the State of New Mexico
 State Surveyor

PROPOSED BOTTOM HOLE LOCATION

Lat - N 32°11'48.00"
 Long - W 104°11'17.00"
 NADSPCE - E 566272.0
 (NAD-83)

SURFACE LOCATION

Lat - N 32°12'58.72"
 Long - W 104°11'17.20"
 NADSPCE - E 566247.9
 (NAD-83)

Project Area →

Producing Area →

Uppermost Perf.
 330' FNL & 330' FEL

Lowermost Perf.
 330' FSL & 330' FEL

Scale: 1" = 2000'

WD Num.: 32820

Revised Permit Information 12/7/16:

Well Name: Buzz 21 State No. 701H

Location:

SL: 220' FNL & 330' FEL, Section 21, T-24-S, R-27-E, Eddy Co., N.M.

BHL: 220' FSL & 330' FEL, Section 21, T-24-S, R-27-E, Eddy Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 - 500'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
8.75"	0' - 8,600'	7.625"	29.7#	HCP-110	FlushMax III	1.125	1.25	1.60
6.75"	0'-13,995'	5.5"	20#	HCP-110	VAM Top HT	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Slurry Description
500	100	14.2	1.62	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	160	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
8,600'	250	12.7	1.90	Class C + 5% Gypsum + 3% CaCl ₂ (TOC @ Surface)
	700	14.8	1.33	50:50 Class H:Poz + 0.25% CPT20A + 0.40% CPT49 + 0.20% CPT35 + 0.80% CPT16A + 0.25% CPT503P
13,995'	575	15.6	1.22	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 8,400')

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 500'	Fresh - Gel	8.6-8.8	28-34	N/c
500' - 8,600'	Brine	8.8-10.0	28-34	N/c
8,600' - 13,995' Lateral	Oil Base	10.0-11.5	58-68	3 - 6

Buzz 21 State #701H

**Lea County, New Mexico
Proposed Wellbore
Revised 12/7/16
API: 30-015-41469**

**220' FNL
330' FEL
Section 21
T-24-S, R-27-E**

**KB: 3,261'
GL: 3,236'**

Bit Size: 17-1/2"
13-3/8", 54.5#, J-55, ST&C 0' - 500'

Bit Size: 8-3/4"

7-5/8", 29.7#, HCP-110, FlushMax III
0' - 8,600'

TOC: 8,100'

KOP: 8,627'

Bit Size: 6-3/4"

Bit Size: 6-3/4"

5-1/2", 20#, HCP-110, VAM Top HT @ 0' - 13,995'

Lateral: 13,995' MD, 9,114' TVD

BH Location: 220' FSL & 330' FEL
Section 21
T-24-S, R-27-E



Eddy County, NM (NAD 83 NME)

Buzz 21 State #701H

H&P 651

Plan #0.1

PROJECT DETAILS: Eddy 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: #701H

Ground Level: 5238.0
KB = 25 @ 3281.0m (H&P 651)
Northing: 439953.20 Easting: 596247.90
Latitude: 32° 12' 33.722 N Longitude: 104° 11' 17.549 W



Azimuth to Grid North:
True North: 4.08°
Magnetic North: 7.21°

Magnetic Field
Strength: 47912.6mT
Dip Angle: 89.98°
Date: 10/27/2018
Model: IGRF2018

To convert a Magnetic Direction to a Grid Direction: Add 7.21°
To convert a Magnetic Direction to a True Direction: Add 7.28° East
To convert a True Direction to a Grid Direction: Subtract 0.76°

SECTION DETAILS

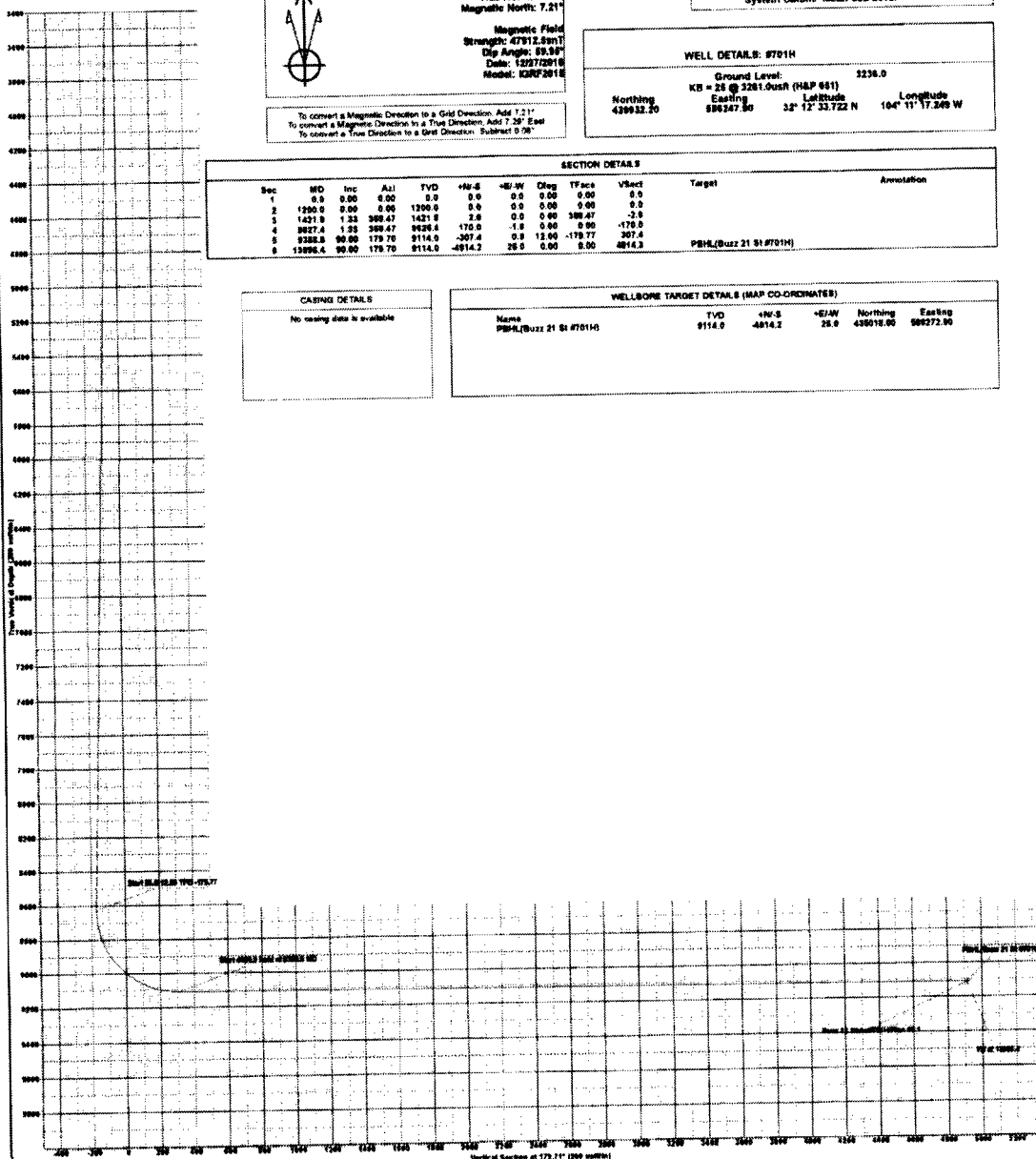
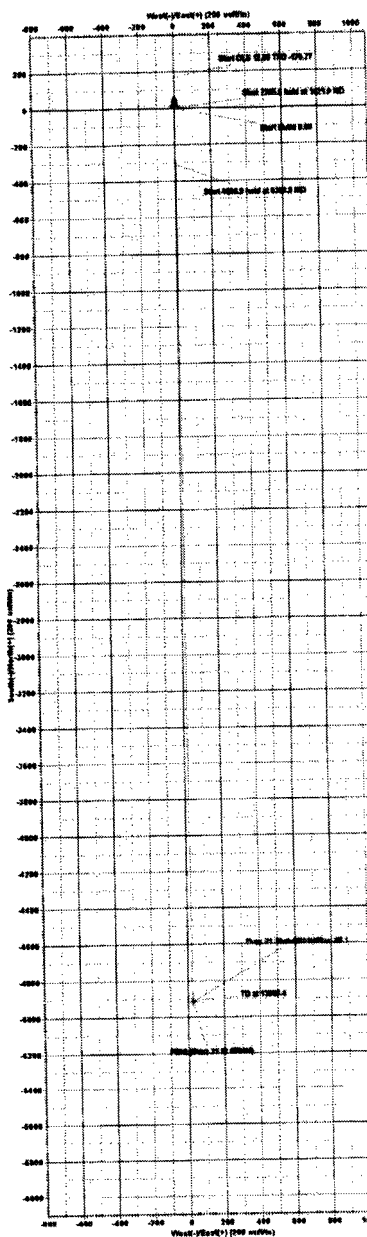
Sec	MD	Inc	Adj	TVD	+N-S	+E-W	Qleg	TFace	VFace	Target	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	1390.0	0.00	0.00	1390.0	0.0	0.0	0.00	0.00	0.0		
3	1421.9	1.33	389.47	1421.9	2.8	0.0	0.00	389.47	-2.8		
4	3827.4	1.55	389.47	3827.4	170.0	-1.8	0.00	0.00	0.0		
5	9388.8	90.00	179.70	9114.0	-307.4	0.9	12.00	-179.77	307.4		
6	10896.4	90.00	179.70	9114.0	-4914.2	28.9	0.00	0.00	4914.2		PSHL(Buzz 21 St #701H)

CASING DETAILS

No casing data is available

WELLSITE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
PSHL(Buzz 21 St #701H)	9114.0	-4914.2	28.9	439916.00	596272.90





EOG Resources - Midland

Eddy County, NM (NAD 83 NME)

Buzz 21 State

#701H

OH

Plan: Plan #0.1

Standard Planning Report

06 December, 2016



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Eddy County, NM (NAD 83 NME)
Site: Buzz 21 State
Well: #701H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #701H
TVD Reference: KB = 25 @ 3261.0usft (H&P 651)
MD Reference: KB = 25 @ 3261.0usft (H&P 651)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	Eddy 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	Buzz 21 State		
Site Position:		Northing:	439,932.20 usft
From:	Map	Easting:	586,247.90 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 12' 33.722 N
		Longitude:	104° 11' 17.249 W
		Grid Convergence:	0.08 °

Well	#701H		
Well Position	+N-S	0.0 usft	Northing: 439,932.20 usft
	+E-W	0.0 usft	Easting: 586,247.90 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 12' 33.722 N
		Longitude:	104° 11' 17.249 W
		Ground Level:	3,236.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	12/27/2016	7.29
			Dip Angle (°)
			59.95
			Field Strength (nT)
			47,913

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)
	0.0	0.0	0.0
			Direction (°)
			179.71

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	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,421.9	1.33	359.47	1,421.8	2.6	0.0	0.60	0.60	0.00	359.47	
8,627.4	1.33	359.47	8,625.4	170.0	-1.6	0.00	0.00	0.00	0.00	
9,388.5	90.00	179.70	9,114.0	-307.4	0.9	12.00	11.65	-23.62	-179.77	
13,995.4	90.00	179.70	9,114.0	-4,914.2	25.0	0.00	0.00	0.00	0.00	PBHL(Buzz 21 St #70



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
 Company: EOG Resources - Midland
 Project: Eddy County, NM (NAD 83 NME)
 Site: Buzz 21 State
 Well: #701H
 Wellbore: OH
 Design: Plan #0.1

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

Well #701H
 KB = 25 @ 3261.0usft (H&P 651)
 KB = 25 @ 3261.0usft (H&P 651)
 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	0.60	359.47	1,300.0	0.5	0.0	-0.5	0.60	0.60	0.00
1,400.0	1.20	359.47	1,400.0	2.1	0.0	-2.1	0.60	0.60	0.00
1,421.9	1.33	359.47	1,421.8	2.6	0.0	-2.6	0.60	0.60	0.00
1,500.0	1.33	359.47	1,500.0	4.4	0.0	-4.4	0.00	0.00	0.00
1,600.0	1.33	359.47	1,599.9	6.7	-0.1	-6.7	0.00	0.00	0.00
1,700.0	1.33	359.47	1,699.9	9.0	-0.1	-9.0	0.00	0.00	0.00
1,800.0	1.33	359.47	1,799.9	11.4	-0.1	-11.4	0.00	0.00	0.00
1,900.0	1.33	359.47	1,899.9	13.7	-0.1	-13.7	0.00	0.00	0.00
2,000.0	1.33	359.47	1,999.8	16.0	-0.1	-16.0	0.00	0.00	0.00
2,100.0	1.33	359.47	2,099.8	18.3	-0.2	-18.3	0.00	0.00	0.00
2,200.0	1.33	359.47	2,199.8	20.7	-0.2	-20.7	0.00	0.00	0.00
2,300.0	1.33	359.47	2,299.7	23.0	-0.2	-23.0	0.00	0.00	0.00
2,400.0	1.33	359.47	2,399.7	25.3	-0.2	-25.3	0.00	0.00	0.00
2,500.0	1.33	359.47	2,499.7	27.6	-0.3	-27.6	0.00	0.00	0.00
2,600.0	1.33	359.47	2,599.7	29.9	-0.3	-29.9	0.00	0.00	0.00
2,700.0	1.33	359.47	2,699.6	32.3	-0.3	-32.3	0.00	0.00	0.00
2,800.0	1.33	359.47	2,799.6	34.6	-0.3	-34.6	0.00	0.00	0.00
2,900.0	1.33	359.47	2,899.6	36.9	-0.3	-36.9	0.00	0.00	0.00
3,000.0	1.33	359.47	2,999.6	39.2	-0.4	-39.2	0.00	0.00	0.00
3,100.0	1.33	359.47	3,099.5	41.6	-0.4	-41.6	0.00	0.00	0.00
3,200.0	1.33	359.47	3,199.5	43.9	-0.4	-43.9	0.00	0.00	0.00
3,300.0	1.33	359.47	3,299.5	46.2	-0.4	-46.2	0.00	0.00	0.00
3,400.0	1.33	359.47	3,399.4	48.5	-0.4	-48.5	0.00	0.00	0.00
3,500.0	1.33	359.47	3,499.4	50.9	-0.5	-50.9	0.00	0.00	0.00
3,600.0	1.33	359.47	3,599.4	53.2	-0.5	-53.2	0.00	0.00	0.00
3,700.0	1.33	359.47	3,699.4	55.5	-0.5	-55.5	0.00	0.00	0.00
3,800.0	1.33	359.47	3,799.3	57.8	-0.5	-57.8	0.00	0.00	0.00
3,900.0	1.33	359.47	3,899.3	60.1	-0.6	-60.1	0.00	0.00	0.00
4,000.0	1.33	359.47	3,999.3	62.5	-0.6	-62.5	0.00	0.00	0.00
4,100.0	1.33	359.47	4,099.3	64.8	-0.6	-64.8	0.00	0.00	0.00
4,200.0	1.33	359.47	4,199.2	67.1	-0.6	-67.1	0.00	0.00	0.00
4,300.0	1.33	359.47	4,299.2	69.4	-0.6	-69.4	0.00	0.00	0.00
4,400.0	1.33	359.47	4,399.2	71.8	-0.7	-71.8	0.00	0.00	0.00
4,500.0	1.33	359.47	4,499.1	74.1	-0.7	-74.1	0.00	0.00	0.00
4,600.0	1.33	359.47	4,599.1	76.4	-0.7	-76.4	0.00	0.00	0.00
4,700.0	1.33	359.47	4,699.1	78.7	-0.7	-78.7	0.00	0.00	0.00
4,800.0	1.33	359.47	4,799.1	81.1	-0.8	-81.1	0.00	0.00	0.00
4,900.0	1.33	359.47	4,899.0	83.4	-0.8	-83.4	0.00	0.00	0.00
5,000.0	1.33	359.47	4,999.0	85.7	-0.8	-85.7	0.00	0.00	0.00
5,100.0	1.33	359.47	5,099.0	88.0	-0.8	-88.0	0.00	0.00	0.00
5,200.0	1.33	359.47	5,199.0	90.3	-0.8	-90.3	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Eddy County, NM (NAD 83 NME)
Site: Buzz 21 State
Well: #701H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #701H
TVD Reference: KB = 25 @ 3261.0usft (H&P 651)
MD Reference: KB = 25 @ 3261.0usft (H&P 651)
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)
5,300.0	1.33	359.47	5,298.9	92.7	-0.9	-92.7	0.00	0.00	0.00
5,400.0	1.33	359.47	5,398.9	95.0	-0.9	-95.0	0.00	0.00	0.00
5,500.0	1.33	359.47	5,498.9	97.3	-0.9	-97.3	0.00	0.00	0.00
5,600.0	1.33	359.47	5,598.9	99.6	-0.9	-99.6	0.00	0.00	0.00
5,700.0	1.33	359.47	5,698.8	102.0	-0.9	-102.0	0.00	0.00	0.00
5,800.0	1.33	359.47	5,798.8	104.3	-1.0	-104.3	0.00	0.00	0.00
5,900.0	1.33	359.47	5,898.8	106.6	-1.0	-106.6	0.00	0.00	0.00
6,000.0	1.33	359.47	5,998.7	108.9	-1.0	-108.9	0.00	0.00	0.00
6,100.0	1.33	359.47	6,098.7	111.3	-1.0	-111.3	0.00	0.00	0.00
6,200.0	1.33	359.47	6,198.7	113.6	-1.1	-113.6	0.00	0.00	0.00
6,300.0	1.33	359.47	6,298.7	115.9	-1.1	-115.9	0.00	0.00	0.00
6,400.0	1.33	359.47	6,398.6	118.2	-1.1	-118.2	0.00	0.00	0.00
6,500.0	1.33	359.47	6,498.6	120.5	-1.1	-120.5	0.00	0.00	0.00
6,600.0	1.33	359.47	6,598.6	122.9	-1.1	-122.9	0.00	0.00	0.00
6,700.0	1.33	359.47	6,698.6	125.2	-1.2	-125.2	0.00	0.00	0.00
6,800.0	1.33	359.47	6,798.5	127.5	-1.2	-127.5	0.00	0.00	0.00
6,900.0	1.33	359.47	6,898.5	129.8	-1.2	-129.8	0.00	0.00	0.00
7,000.0	1.33	359.47	6,998.5	132.2	-1.2	-132.2	0.00	0.00	0.00
7,100.0	1.33	359.47	7,098.4	134.5	-1.2	-134.5	0.00	0.00	0.00
7,200.0	1.33	359.47	7,198.4	136.8	-1.3	-136.8	0.00	0.00	0.00
7,300.0	1.33	359.47	7,298.4	139.1	-1.3	-139.1	0.00	0.00	0.00
7,400.0	1.33	359.47	7,398.4	141.5	-1.3	-141.5	0.00	0.00	0.00
7,500.0	1.33	359.47	7,498.3	143.8	-1.3	-143.8	0.00	0.00	0.00
7,600.0	1.33	359.47	7,598.3	146.1	-1.4	-146.1	0.00	0.00	0.00
7,700.0	1.33	359.47	7,698.3	148.4	-1.4	-148.4	0.00	0.00	0.00
7,800.0	1.33	359.47	7,798.3	150.7	-1.4	-150.8	0.00	0.00	0.00
7,900.0	1.33	359.47	7,898.2	153.1	-1.4	-153.1	0.00	0.00	0.00
8,000.0	1.33	359.47	7,998.2	155.4	-1.4	-155.4	0.00	0.00	0.00
8,100.0	1.33	359.47	8,098.2	157.7	-1.5	-157.7	0.00	0.00	0.00
8,200.0	1.33	359.47	8,198.2	160.0	-1.5	-160.0	0.00	0.00	0.00
8,300.0	1.33	359.47	8,298.1	162.4	-1.5	-162.4	0.00	0.00	0.00
8,400.0	1.33	359.47	8,398.1	164.7	-1.5	-164.7	0.00	0.00	0.00
8,500.0	1.33	359.47	8,498.1	167.0	-1.5	-167.0	0.00	0.00	0.00
8,600.0	1.33	359.47	8,598.0	169.3	-1.6	-169.3	0.00	0.00	0.00
8,627.4	1.33	359.47	8,625.4	170.0	-1.6	-170.0	0.00	0.00	0.00
8,650.0	1.38	179.92	8,648.0	170.0	-1.6	-170.0	12.00	0.22	-794.72
8,675.0	4.38	179.77	8,673.0	168.7	-1.6	-168.7	12.00	12.00	-0.61
8,700.0	7.38	179.74	8,697.9	166.1	-1.6	-166.1	12.00	12.00	-0.11
8,725.0	10.38	179.73	8,722.8	162.3	-1.5	-162.3	12.00	12.00	-0.05
8,750.0	13.38	179.72	8,747.0	157.1	-1.5	-157.1	12.00	12.00	-0.03
8,775.0	16.38	179.72	8,771.2	150.7	-1.5	-150.7	12.00	12.00	-0.02
8,800.0	19.38	179.72	8,795.0	143.0	-1.5	-143.0	12.00	12.00	-0.01
8,825.0	22.38	179.71	8,818.3	134.1	-1.4	-134.1	12.00	12.00	-0.01
8,850.0	25.38	179.71	8,841.2	124.0	-1.4	-124.0	12.00	12.00	-0.01
8,875.0	28.38	179.71	8,863.5	112.7	-1.3	-112.7	12.00	12.00	-0.01
8,900.0	31.38	179.71	8,885.2	100.3	-1.2	-100.3	12.00	12.00	0.00
8,925.0	34.38	179.71	8,906.1	86.7	-1.2	-86.7	12.00	12.00	0.00
8,950.0	37.38	179.71	8,926.4	72.0	-1.1	-72.0	12.00	12.00	0.00
8,975.0	40.38	179.71	8,945.9	56.3	-1.0	-56.4	12.00	12.00	0.00
9,000.0	43.38	179.71	8,964.5	39.7	-0.9	-39.7	12.00	12.00	0.00
9,025.0	46.38	179.71	8,982.2	22.0	-0.8	-22.0	12.00	12.00	0.00
9,050.0	49.38	179.70	8,999.0	3.5	-0.7	-3.5	12.00	12.00	0.00
9,075.0	52.38	179.70	9,014.7	-15.9	-0.6	15.9	12.00	12.00	0.00
9,100.0	55.38	179.70	9,029.5	-36.1	-0.5	36.1	12.00	12.00	0.00



EOG Resources, Inc.
Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Eddy County, NM (NAD 83 NME)
Site: Buzz 21 State
Well: #701H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #701H
TVD Reference: KB = 25 @ 3261.0usft (H&P 651)
MD Reference: KB = 25 @ 3261.0usft (H&P 651)
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)
9,125.0	58.38	179.70	9,043.1	-57.0	-0.4	57.0	12.00	12.00	0.00
9,150.0	61.38	179.70	9,055.7	-78.7	-0.3	78.7	12.00	12.00	0.00
9,175.0	64.38	179.70	9,067.1	-100.9	-0.2	100.9	12.00	12.00	0.00
9,200.0	67.38	179.70	9,077.3	-123.7	-0.1	123.7	12.00	12.00	0.00
9,225.0	70.38	179.70	9,086.3	-147.0	0.0	147.0	12.00	12.00	0.00
9,250.0	73.38	179.70	9,094.1	-170.8	0.2	170.8	12.00	12.00	0.00
9,275.0	76.38	179.70	9,100.6	-194.9	0.3	194.9	12.00	12.00	0.00
9,300.0	79.38	179.70	9,105.8	-219.4	0.4	219.4	12.00	12.00	0.00
9,325.0	82.38	179.70	9,109.8	-244.1	0.5	244.0	12.00	12.00	0.00
9,350.0	85.38	179.70	9,112.4	-268.9	0.7	268.9	12.00	12.00	0.00
9,375.0	88.38	179.70	9,113.8	-293.9	0.8	293.9	12.00	12.00	0.00
9,388.5	90.00	179.70	9,114.0	-307.4	0.9	307.4	12.00	12.00	0.00
9,400.0	90.00	179.70	9,114.0	-318.9	0.9	318.9	0.00	0.00	0.00
9,500.0	90.00	179.70	9,114.0	-418.9	1.5	418.9	0.00	0.00	0.00
9,600.0	90.00	179.70	9,114.0	-518.9	2.0	518.9	0.00	0.00	0.00
9,700.0	90.00	179.70	9,114.0	-618.9	2.5	618.9	0.00	0.00	0.00
9,800.0	90.00	179.70	9,114.0	-718.9	3.0	718.9	0.00	0.00	0.00
9,900.0	90.00	179.70	9,114.0	-818.9	3.6	818.9	0.00	0.00	0.00
10,000.0	90.00	179.70	9,114.0	-918.9	4.1	918.9	0.00	0.00	0.00
10,100.0	90.00	179.70	9,114.0	-1,018.9	4.6	1,018.9	0.00	0.00	0.00
10,200.0	90.00	179.70	9,114.0	-1,118.9	5.1	1,118.9	0.00	0.00	0.00
10,300.0	90.00	179.70	9,114.0	-1,218.8	5.7	1,218.9	0.00	0.00	0.00
10,400.0	90.00	179.70	9,114.0	-1,318.8	6.2	1,318.9	0.00	0.00	0.00
10,500.0	90.00	179.70	9,114.0	-1,418.8	6.7	1,418.9	0.00	0.00	0.00
10,600.0	90.00	179.70	9,114.0	-1,518.8	7.2	1,518.9	0.00	0.00	0.00
10,700.0	90.00	179.70	9,114.0	-1,618.8	7.7	1,618.9	0.00	0.00	0.00
10,800.0	90.00	179.70	9,114.0	-1,718.8	8.3	1,718.9	0.00	0.00	0.00
10,900.0	90.00	179.70	9,114.0	-1,818.8	8.8	1,818.9	0.00	0.00	0.00
11,000.0	90.00	179.70	9,114.0	-1,918.8	9.3	1,918.9	0.00	0.00	0.00
11,100.0	90.00	179.70	9,114.0	-2,018.8	9.8	2,018.9	0.00	0.00	0.00
11,200.0	90.00	179.70	9,114.0	-2,118.8	10.4	2,118.9	0.00	0.00	0.00
11,300.0	90.00	179.70	9,114.0	-2,218.8	10.9	2,218.9	0.00	0.00	0.00
11,400.0	90.00	179.70	9,114.0	-2,318.8	11.4	2,318.9	0.00	0.00	0.00
11,500.0	90.00	179.70	9,114.0	-2,418.8	11.9	2,418.9	0.00	0.00	0.00
11,600.0	90.00	179.70	9,114.0	-2,518.8	12.5	2,518.9	0.00	0.00	0.00
11,700.0	90.00	179.70	9,114.0	-2,618.8	13.0	2,618.9	0.00	0.00	0.00
11,800.0	90.00	179.70	9,114.0	-2,718.8	13.5	2,718.9	0.00	0.00	0.00
11,900.0	90.00	179.70	9,114.0	-2,818.8	14.0	2,818.9	0.00	0.00	0.00
12,000.0	90.00	179.70	9,114.0	-2,918.8	14.6	2,918.9	0.00	0.00	0.00
12,100.0	90.00	179.70	9,114.0	-3,018.8	15.1	3,018.9	0.00	0.00	0.00
12,200.0	90.00	179.70	9,114.0	-3,118.8	15.6	3,118.9	0.00	0.00	0.00
12,300.0	90.00	179.70	9,114.0	-3,218.8	16.1	3,218.9	0.00	0.00	0.00
12,400.0	90.00	179.70	9,114.0	-3,318.8	16.6	3,318.9	0.00	0.00	0.00
12,500.0	90.00	179.70	9,114.0	-3,418.8	17.2	3,418.9	0.00	0.00	0.00
12,600.0	90.00	179.70	9,114.0	-3,518.8	17.7	3,518.9	0.00	0.00	0.00
12,700.0	90.00	179.70	9,114.0	-3,618.8	18.2	3,618.9	0.00	0.00	0.00
12,800.0	90.00	179.70	9,114.0	-3,718.8	18.7	3,718.9	0.00	0.00	0.00
12,900.0	90.00	179.70	9,114.0	-3,818.8	19.3	3,818.9	0.00	0.00	0.00
13,000.0	90.00	179.70	9,114.0	-3,918.8	19.8	3,918.9	0.00	0.00	0.00
13,100.0	90.00	179.70	9,114.0	-4,018.8	20.3	4,018.9	0.00	0.00	0.00
13,200.0	90.00	179.70	9,114.0	-4,118.8	20.8	4,118.9	0.00	0.00	0.00
13,300.0	90.00	179.70	9,114.0	-4,218.8	21.4	4,218.9	0.00	0.00	0.00
13,400.0	90.00	179.70	9,114.0	-4,318.8	21.9	4,318.9	0.00	0.00	0.00
13,500.0	90.00	179.70	9,114.0	-4,418.8	22.4	4,418.9	0.00	0.00	0.00



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Design: Plan #0.1

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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)
13,600.0	90.00	179.70	9,114.0	-4,518.8	22.9	4,518.9	0.00	0.00	0.00
13,700.0	90.00	179.70	9,114.0	-4,618.8	23.5	4,618.9	0.00	0.00	0.00
13,800.0	90.00	179.70	9,114.0	-4,718.8	24.0	4,718.9	0.00	0.00	0.00
13,900.0	90.00	179.70	9,114.0	-4,818.8	24.5	4,818.9	0.00	0.00	0.00
13,995.4	90.00	179.70	9,114.0	-4,914.2	25.0	4,914.3	0.00	0.00	0.00

PBHL(Buzz 21 St #701H)

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TYD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL(Buzz 21 St #701H)	0.00	0.00	9,114.0	-4,914.2	25.0	435,018.00	586,272.90	32° 11' 45.090 N	104° 11' 17.035 W
- plan hits target center									
- Point									