

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMNM019858
2. Name of Operator EOG RESOURCES		6. If Indian, Allottee or Tribe Name
3a. Address PO BOX 2267 MIDLAND, TEXAS 79702	3b. Phone No. (include area code) (432) 636-3600	7. If Unit of CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) C-36-24S-33E, 6 FNL & 1638FWL		8. Well Name and No. FALCON 36 FED COM 721H
		9. API Well No. 30-025-48246
		10. Field and Pool or Exploratory Area 96434 RED HILLS BONE SPRING, NORTH
		11. Country or Parish, State LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

EOG respectfully requests an amendment to our approved APD for this well to reflect the following changes:

Change SHL to T-24-S R-33-E Sec 36 66 feet FNL 1611 feet FWL Lea Co, NM

Change BHL to T-24-S R-33-E Sec 24 100 feet FNL 1331 feet FWL Lea Co, NM

Change well number to from 403H to 721H

Change target formation from Second Bone Spring Shale to Wolfcamp

Change casing and cement program to accommodate deeper target

SURFACE 6005. SAMEL COAs APPL'Y
MT 1/5/2021**Engineering Approved.****All previous COAs still apply, except for the following:****See Attached Conditions of Approval***Jeromy Porter 1/14/21*

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) EMILY FOLLIS	Title REGULATORY ADMINISTRATOR
Signature <i>Emily Follis</i>	Date 12/30/2020

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>Cody Light</i>	Title AFM-LAM	Date 01/15/2021
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office CFO	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-48246	² Pool Code 98092	³ Pool Name WC-025 G-09 S243336I;UPPER WC
⁴ Property Code 329920	⁵ Property Name FALCON 36 FED COM	⁶ Well Number 721H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3529'

¹⁰Surface Location

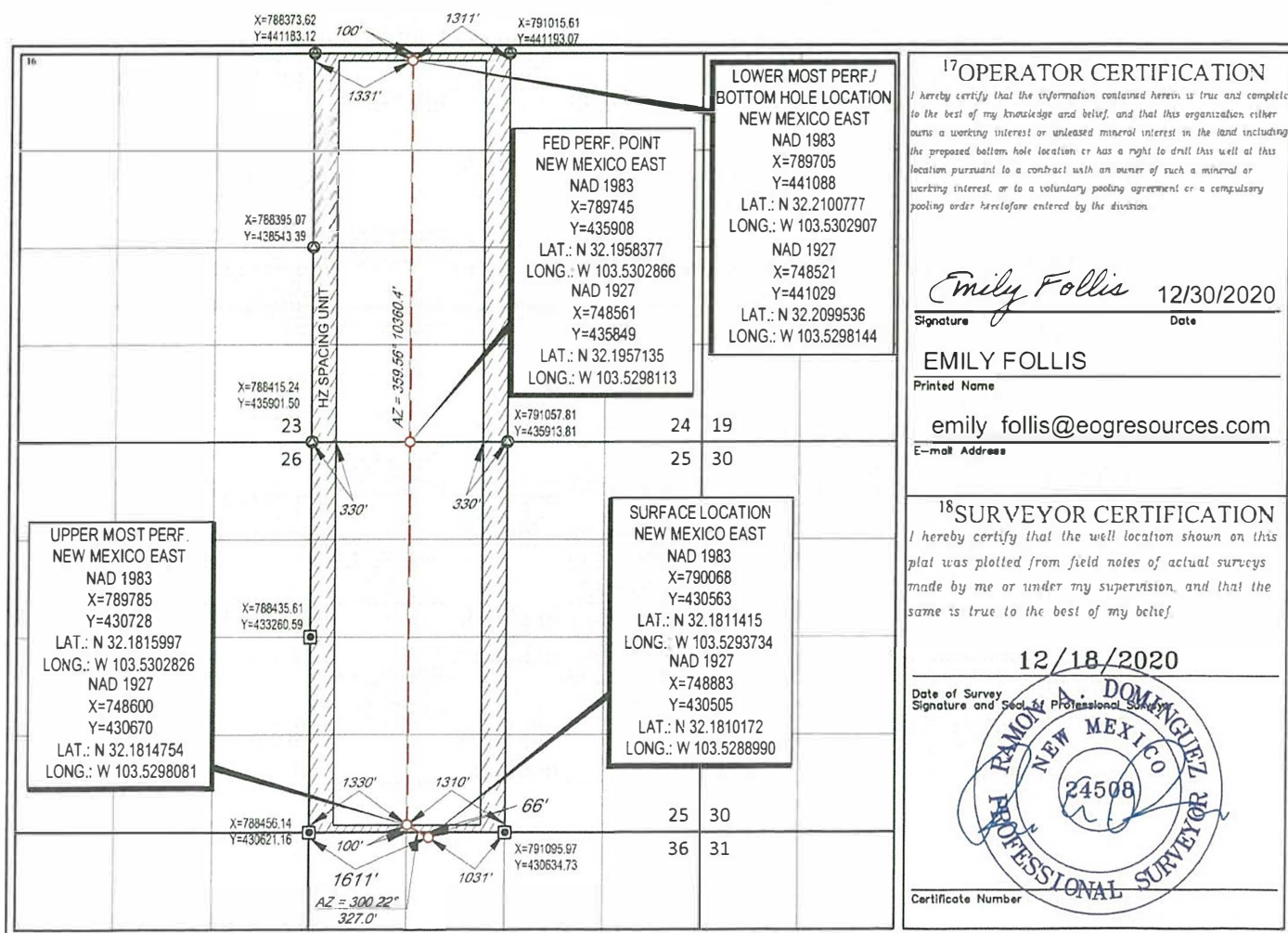
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	36	24-S	33-E	-	66'	NORTH	1611'	WEST	LEA

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	24	24-S	33-E	-	100'	NORTH	1331'	WEST	LEA

¹² Dedicated Acres 640.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



Revised Permit Information 12/22/2020:

Well Name: Falcon 36 Fed Com #721H

Location:

SHL: 66' FNL & 1611' FWL, Section 36, T-24-S, R-33-E, Lea Co., N.M.

BHL: 100' FNL & 1331' FWL, Section 24, T-24-S, R-33-E, Lea Co., N.M.

Design A**Casing Program:**

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
12.25"	0' – 1,390'	9.625"	40#	J-55	LTC	1.125	1.25	1.60
8.75"	0' – 11,480'	7.625"	29.7#	HCP-110	FXL	1.125	1.25	1.60
6.75"	0' – 10,980'	5.5"	20#	P-110EC	DWC/C-IS MS	1.125	1.25	1.60
6.75"	10,980' – 11,480'	5.5"	20#	P-110EC	VAM SFC	1.125	1.25	1.60
6.75"	11,480' – 22,948'	5.5"	20#	P-110EC	DWC/C-IS MS	1.125	1.25	1.60

Variance is requested to wave the centralizer requirements for the 7-5/8" casing in the 8-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 8-3/4" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to wave any centralizer requirements for the 5-1/2" casing in the 6-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 6-3/4" hole interval to maximize cement bond and zonal isolation.

EOG requests variance to allow deviation from the 0.422" annulus clearance requirement from Onshore Order #2 under the following conditions:

- Annular clearance to meet or exceed 0.422" between intermediate casing ID and production casing coupling only on the first 500' overlap between both casing strings.
- Annular clearance less than 0.422" is acceptable for the curve and lateral portions of the production open hole section.

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /sk	Slurry Description
1,390' 9-5/8"	370	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	100	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 1,190')
11,480' 7-5/8"	460	14.2	1.11	1 st Stage (Tail): Class C + 0.6% Halad-9 + 0.45% HR-601 + 3% Microbond (TOC @ 7,570')
	1,260	14.8	1.5	2 nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)
22,948' 5-1/2"	1,030	14.2	1.31	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 10,980')

Additive	Purpose
Bentonite Gel	Lightweight/Lost circulation prevention
Calcium Chloride	Accelerator
Cello-flake	Lost circulation prevention
Sodium Metasilicate	Accelerator
MagOx	Expansive agent
Pre-Mag-M	Expansive agent
Sodium Chloride	Accelerator
FL-62	Fluid loss control
Halad-344	Fluid loss control
Halad-9	Fluid loss control
HR-601	Retarder
Microbond	Expansive Agent

EOG requests variance from minimum standards to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated TOC at the Brushy Canyon and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If necessary a top out consisting of 1,000 sacks of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. Top of cement will be verified by Echo-meter.

EOG will include the final fluid top verified by Echo-meter and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program.

EOG will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

Mud Program:

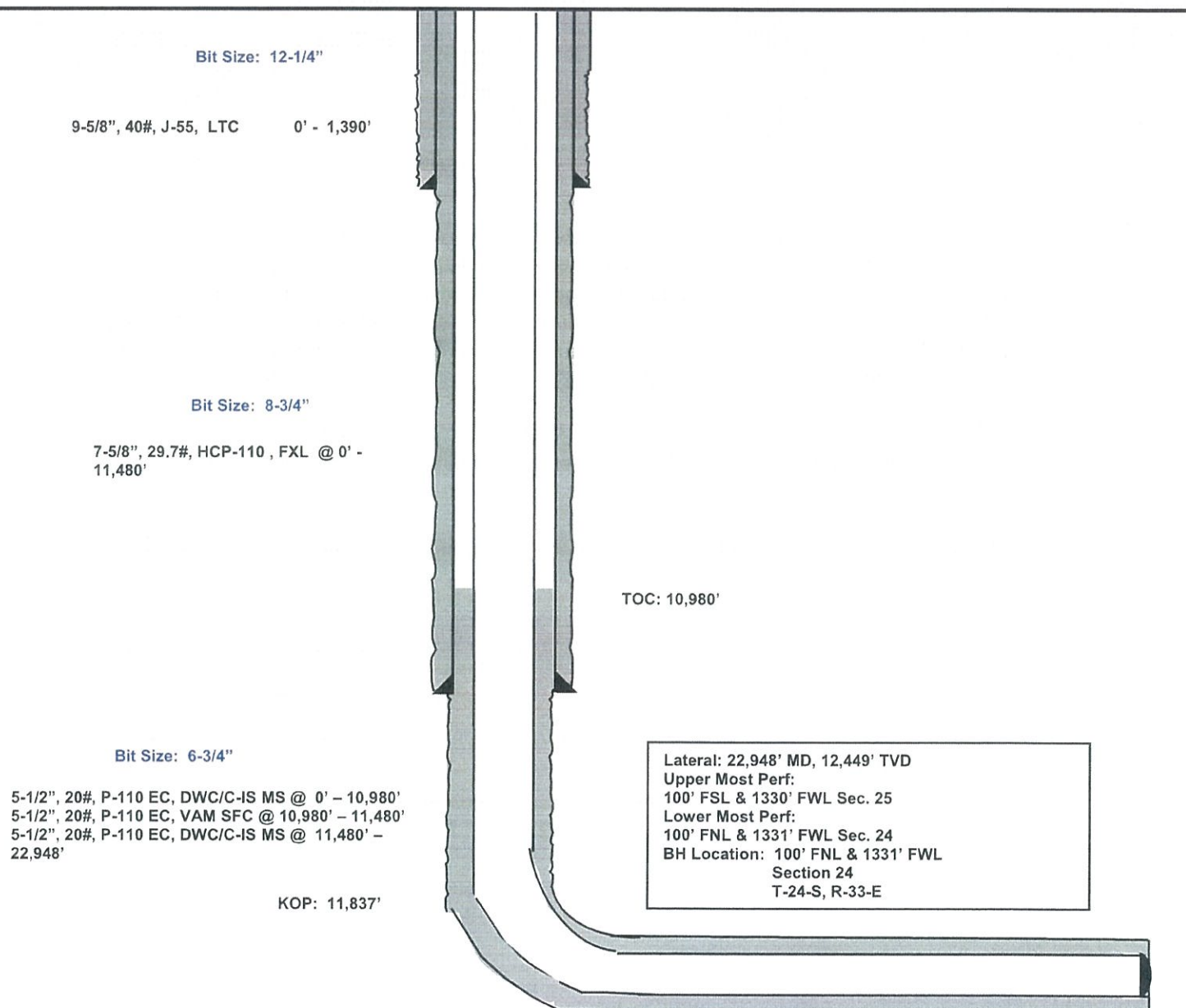
Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,390'	Fresh - Gel	8.6-8.8	28-34	N/c
1,390' – 11,480'	Brine	10.0-10.2	28-34	N/c
11,480' – 11,837'	Oil Base	8.7-9.4	58-68	N/c - 6
11,837' – 22,948' Lateral	Oil Base	10.0-14.0	58-68	3 - 6

66' FNL
1611' FWL
Section 36
T-24-S, R-33-E

Revised Wellbore

KB: 3,554'
GL: 3,529'

API: 30-025-48246





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Falcon 36 Fed Com

#721H

OH

Plan: Plan #1

Standard Planning Report

23 December, 2020



EOG Resources

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well #721H
Company:	EOG Resources - Midland	TVD Reference:	KB = 26' @ 3555.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3555.0usft
Site:	Falcon 36 Fed Com	North Reference:	Grid
Well:	#721H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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	Falcon 36 Fed Com		
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Site Position:		Northing:	430,933.00 usft	Latitude:	32° 10' 55.716 N
From:	Map	Easting:	790,755.00 usft	Longitude:	103° 31' 37.717 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.43 °

Well	#721H					
Well Position	+N/-S	-370.0 usft	Northing:	430,563.00 usft	Latitude:	32° 10' 52.105 N
	+E/-W	-687.0 usft	Easting:	790,068.00 usft	Longitude:	103° 31' 45.742 W
Position Uncertainty	0.0 usft		Wellhead Elevation:		Ground Level:	3,529.0 usft

Wellbore	OH				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	3/11/2021	6.55	59.88	47,499.31758294

Design	Plan #1				
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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	358.02	

Plan Survey Tool Program		Date	12/23/2020		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	22,948.0 Plan #1 (OH)	EOG MWD+IFR1		
			MWD + IFR1		



EOG Resources

Planning Report

Database: EDM
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Falcon 36 Fed Com
 Well: #721H
 Wellbore: OH
 Design: Plan #1

Local Co-ordinate Reference: Well #721H
 TVD Reference: KB = 26' @ 3555.0usft
 MD Reference: KB = 26' @ 3555.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

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	
1,401.2	4.02	222.12	1,401.0	-5.2	-4.7	2.00	2.00	0.00	222.12	
7,213.5	4.02	222.12	7,199.0	-307.8	-278.3	0.00	0.00	0.00	0.00	
7,414.7	0.00	0.00	7,400.0	-313.0	-283.0	2.00	-2.00	0.00	180.00	Brushy Top(Falcon 25
11,837.2	0.00	0.00	11,822.5	-313.0	-283.0	0.00	0.00	0.00	0.00	
12,587.2	90.00	359.59	12,300.0	164.4	-286.4	12.00	12.00	-0.05	359.59	
17,767.8	90.00	359.59	12,300.0	5,345.0	-323.0	0.00	0.00	0.00	0.00	Fed Perf(Falcon 25 F
18,156.2	90.00	359.56	12,300.0	5,733.4	-325.9	0.01	0.00	-0.01	-89.40	
22,948.0	90.00	359.56	12,300.0	10,525.0	-363.0	0.00	0.00	0.00	0.00	PBHL(Falcon 25 Fed



EOG Resources

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well #721H
Company:	EOG Resources - Midland	TVD Reference:	KB = 26' @ 3555.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3555.0usft
Site:	Falcon 36 Fed Com	North Reference:	Grid
Well:	#721H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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	2.00	222.12	1,300.0	-1.3	-1.2	-1.3	2.00	2.00	0.00
1,401.2	4.02	222.12	1,401.0	-5.2	-4.7	-5.1	2.00	2.00	0.00
1,500.0	4.02	222.12	1,499.6	-10.4	-9.4	-10.1	0.00	0.00	0.00
1,600.0	4.02	222.12	1,599.3	-15.6	-14.1	-15.1	0.00	0.00	0.00
1,700.0	4.02	222.12	1,699.1	-20.8	-18.8	-20.1	0.00	0.00	0.00
1,800.0	4.02	222.12	1,798.9	-26.0	-23.5	-25.2	0.00	0.00	0.00
1,900.0	4.02	222.12	1,898.6	-31.2	-28.2	-30.2	0.00	0.00	0.00
2,000.0	4.02	222.12	1,998.4	-36.4	-32.9	-35.2	0.00	0.00	0.00
2,100.0	4.02	222.12	2,098.1	-41.6	-37.6	-40.3	0.00	0.00	0.00
2,200.0	4.02	222.12	2,197.9	-46.8	-42.3	-45.3	0.00	0.00	0.00
2,300.0	4.02	222.12	2,297.6	-52.0	-47.0	-50.4	0.00	0.00	0.00
2,400.0	4.02	222.12	2,397.4	-57.2	-51.7	-55.4	0.00	0.00	0.00
2,500.0	4.02	222.12	2,497.1	-62.4	-56.4	-60.4	0.00	0.00	0.00
2,600.0	4.02	222.12	2,596.9	-67.6	-61.2	-65.5	0.00	0.00	0.00
2,700.0	4.02	222.12	2,696.6	-72.8	-65.9	-70.5	0.00	0.00	0.00
2,800.0	4.02	222.12	2,796.4	-78.0	-70.6	-75.6	0.00	0.00	0.00
2,900.0	4.02	222.12	2,896.1	-83.2	-75.3	-80.6	0.00	0.00	0.00
3,000.0	4.02	222.12	2,995.9	-88.5	-80.0	-85.6	0.00	0.00	0.00
3,100.0	4.02	222.12	3,095.6	-93.7	-84.7	-90.7	0.00	0.00	0.00
3,200.0	4.02	222.12	3,195.4	-98.9	-89.4	-95.7	0.00	0.00	0.00
3,300.0	4.02	222.12	3,295.2	-104.1	-94.1	-100.8	0.00	0.00	0.00
3,400.0	4.02	222.12	3,394.9	-109.3	-98.8	-105.8	0.00	0.00	0.00
3,500.0	4.02	222.12	3,494.7	-114.5	-103.5	-110.8	0.00	0.00	0.00
3,600.0	4.02	222.12	3,594.4	-119.7	-108.2	-115.9	0.00	0.00	0.00
3,700.0	4.02	222.12	3,694.2	-124.9	-112.9	-120.9	0.00	0.00	0.00
3,800.0	4.02	222.12	3,793.9	-130.1	-117.6	-126.0	0.00	0.00	0.00
3,900.0	4.02	222.12	3,893.7	-135.3	-122.3	-131.0	0.00	0.00	0.00
4,000.0	4.02	222.12	3,993.4	-140.5	-127.0	-136.0	0.00	0.00	0.00
4,100.0	4.02	222.12	4,093.2	-145.7	-131.7	-141.1	0.00	0.00	0.00
4,200.0	4.02	222.12	4,192.9	-150.9	-136.4	-146.1	0.00	0.00	0.00
4,300.0	4.02	222.12	4,292.7	-156.1	-141.2	-151.2	0.00	0.00	0.00
4,400.0	4.02	222.12	4,392.4	-161.3	-145.9	-156.2	0.00	0.00	0.00
4,500.0	4.02	222.12	4,492.2	-166.5	-150.6	-161.2	0.00	0.00	0.00
4,600.0	4.02	222.12	4,591.9	-171.7	-155.3	-166.3	0.00	0.00	0.00
4,700.0	4.02	222.12	4,691.7	-176.9	-160.0	-171.3	0.00	0.00	0.00
4,800.0	4.02	222.12	4,791.5	-182.1	-164.7	-176.4	0.00	0.00	0.00
4,900.0	4.02	222.12	4,891.2	-187.3	-169.4	-181.4	0.00	0.00	0.00
5,000.0	4.02	222.12	4,991.0	-192.6	-174.1	-186.4	0.00	0.00	0.00
5,100.0	4.02	222.12	5,090.7	-197.8	-178.8	-191.5	0.00	0.00	0.00
5,200.0	4.02	222.12	5,190.5	-203.0	-183.5	-196.5	0.00	0.00	0.00
5,300.0	4.02	222.12	5,290.2	-208.2	-188.2	-201.6	0.00	0.00	0.00



EOG Resources

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well #721H
Company:	EOG Resources - Midland	TVD Reference:	KB = 26' @ 3555.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3555.0usft
Site:	Falcon 36 Fed Com	North Reference:	Grid
Well:	#721H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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)	
5,400.0	4.02	222.12	5,390.0	-213.4	-192.9	-206.6	0.00	0.00	0.00	
5,500.0	4.02	222.12	5,489.7	-218.6	-197.6	-211.6	0.00	0.00	0.00	
5,600.0	4.02	222.12	5,589.5	-223.8	-202.3	-216.7	0.00	0.00	0.00	
5,700.0	4.02	222.12	5,689.2	-229.0	-207.0	-221.7	0.00	0.00	0.00	
5,800.0	4.02	222.12	5,789.0	-234.2	-211.7	-226.8	0.00	0.00	0.00	
5,900.0	4.02	222.12	5,888.7	-239.4	-216.5	-231.8	0.00	0.00	0.00	
6,000.0	4.02	222.12	5,988.5	-244.6	-221.2	-236.8	0.00	0.00	0.00	
6,100.0	4.02	222.12	6,088.3	-249.8	-225.9	-241.9	0.00	0.00	0.00	
6,200.0	4.02	222.12	6,188.0	-255.0	-230.6	-246.9	0.00	0.00	0.00	
6,300.0	4.02	222.12	6,287.8	-260.2	-235.3	-252.0	0.00	0.00	0.00	
6,400.0	4.02	222.12	6,387.5	-265.4	-240.0	-257.0	0.00	0.00	0.00	
6,500.0	4.02	222.12	6,487.3	-270.6	-244.7	-262.0	0.00	0.00	0.00	
6,600.0	4.02	222.12	6,587.0	-275.8	-249.4	-267.1	0.00	0.00	0.00	
6,700.0	4.02	222.12	6,686.8	-281.0	-254.1	-272.1	0.00	0.00	0.00	
6,800.0	4.02	222.12	6,786.5	-286.2	-258.8	-277.2	0.00	0.00	0.00	
6,900.0	4.02	222.12	6,886.3	-291.4	-263.5	-282.2	0.00	0.00	0.00	
7,000.0	4.02	222.12	6,986.0	-296.7	-268.2	-287.2	0.00	0.00	0.00	
7,100.0	4.02	222.12	7,085.8	-301.9	-272.9	-292.3	0.00	0.00	0.00	
7,200.0	4.02	222.12	7,185.5	-307.1	-277.6	-297.3	0.00	0.00	0.00	
7,213.5	4.02	222.12	7,199.0	-307.8	-278.3	-298.0	0.00	0.00	0.00	
7,300.0	2.29	222.12	7,285.4	-311.3	-281.5	-301.4	2.00	-2.00	0.00	
7,400.0	0.29	222.12	7,385.3	-313.0	-283.0	-303.0	2.00	-2.00	0.00	
7,414.7	0.00	0.00	7,400.0	-313.0	-283.0	-303.1	2.00	-2.00	0.00	
7,500.0	0.00	0.00	7,485.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,585.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,685.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,785.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,885.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,985.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,085.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,185.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,285.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,385.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,485.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,585.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,685.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,785.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,885.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,985.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
9,100.0	0.00	0.00	9,085.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,185.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,285.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,385.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,485.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,585.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,685.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,785.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,885.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
10,000.0	0.00	0.00	9,985.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
10,100.0	0.00	0.00	10,085.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
10,200.0	0.00	0.00	10,185.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
10,300.0	0.00	0.00	10,285.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
10,400.0	0.00	0.00	10,385.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
10,500.0	0.00	0.00	10,485.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	



EOG Resources

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well #721H
Company:	EOG Resources - Midland	TVD Reference:	KB = 26' @ 3555.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3555.0usft
Site:	Falcon 36 Fed Com	North Reference:	Grid
Well:	#721H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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)	
10,600.0	0.00	0.00	10,585.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
10,700.0	0.00	0.00	10,685.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
10,800.0	0.00	0.00	10,785.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
10,900.0	0.00	0.00	10,885.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
11,000.0	0.00	0.00	10,985.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
11,100.0	0.00	0.00	11,085.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
11,200.0	0.00	0.00	11,185.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
11,300.0	0.00	0.00	11,285.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
11,400.0	0.00	0.00	11,385.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
11,500.0	0.00	0.00	11,485.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
11,600.0	0.00	0.00	11,585.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
11,700.0	0.00	0.00	11,685.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
11,800.0	0.00	0.00	11,785.3	-313.0	-283.0	-303.1	0.00	0.00	0.00	
11,837.2	0.00	0.00	11,822.5	-313.0	-283.0	-303.1	0.00	0.00	0.00	
11,850.0	1.54	359.59	11,835.3	-312.8	-283.0	-302.9	12.00	12.00	0.00	
11,875.0	4.54	359.59	11,860.3	-311.5	-283.0	-301.6	12.00	12.00	0.00	
11,900.0	7.54	359.59	11,885.2	-308.9	-283.0	-298.9	12.00	12.00	0.00	
11,925.0	10.54	359.59	11,909.8	-304.9	-283.1	-295.0	12.00	12.00	0.00	
11,950.0	13.54	359.59	11,934.3	-299.7	-283.1	-289.8	12.00	12.00	0.00	
11,975.0	16.54	359.59	11,958.4	-293.2	-283.1	-283.3	12.00	12.00	0.00	
12,000.0	19.54	359.59	11,982.2	-285.5	-283.2	-275.6	12.00	12.00	0.00	
12,025.0	22.54	359.59	12,005.5	-276.5	-283.3	-266.6	12.00	12.00	0.00	
12,050.0	25.54	359.59	12,028.4	-266.3	-283.3	-256.4	12.00	12.00	0.00	
12,075.0	28.54	359.59	12,050.6	-255.0	-283.4	-245.1	12.00	12.00	0.00	
12,100.0	31.54	359.59	12,072.3	-242.5	-283.5	-232.5	12.00	12.00	0.00	
12,125.0	34.54	359.59	12,093.2	-228.8	-283.6	-218.9	12.00	12.00	0.00	
12,150.0	37.54	359.59	12,113.4	-214.1	-283.7	-204.2	12.00	12.00	0.00	
12,175.0	40.54	359.59	12,132.8	-198.4	-283.8	-188.5	12.00	12.00	0.00	
12,200.0	43.54	359.59	12,151.4	-181.6	-283.9	-171.7	12.00	12.00	0.00	
12,225.0	46.54	359.59	12,169.1	-164.0	-284.1	-154.1	12.00	12.00	0.00	
12,250.0	49.54	359.59	12,185.8	-145.4	-284.2	-135.5	12.00	12.00	0.00	
12,275.0	52.54	359.59	12,201.5	-125.9	-284.3	-116.1	12.00	12.00	0.00	
12,300.0	55.54	359.59	12,216.2	-105.7	-284.5	-95.8	12.00	12.00	0.00	
12,325.0	58.54	359.59	12,229.8	-84.7	-284.6	-74.9	12.00	12.00	0.00	
12,350.0	61.54	359.59	12,242.3	-63.1	-284.8	-53.2	12.00	12.00	0.00	
12,375.0	64.54	359.59	12,253.6	-40.8	-284.9	-30.9	12.00	12.00	0.00	
12,400.0	67.54	359.59	12,263.8	-17.9	-285.1	-8.1	12.00	12.00	0.00	
12,425.0	70.54	359.59	12,272.7	5.4	-285.3	15.2	12.00	12.00	0.00	
12,450.0	73.54	359.59	12,280.4	29.2	-285.4	39.0	12.00	12.00	0.00	
12,475.0	76.54	359.59	12,286.9	53.3	-285.6	63.1	12.00	12.00	0.00	
12,500.0	79.54	359.59	12,292.0	77.8	-285.8	87.6	12.00	12.00	0.00	
12,525.0	82.54	359.59	12,295.9	102.5	-285.9	112.3	12.00	12.00	0.00	
12,550.0	85.54	359.59	12,298.5	127.3	-286.1	137.1	12.00	12.00	0.00	
12,575.0	88.54	359.59	12,299.8	152.3	-286.3	162.1	12.00	12.00	0.00	
12,587.2	90.00	359.59	12,300.0	164.4	-286.4	174.2	12.00	12.00	0.00	
12,600.0	90.00	359.59	12,300.0	177.3	-286.5	187.1	0.00	0.00	0.00	
12,700.0	90.00	359.59	12,300.0	277.3	-287.2	287.0	0.00	0.00	0.00	
12,800.0	90.00	359.59	12,300.0	377.3	-287.9	387.0	0.00	0.00	0.00	
12,900.0	90.00	359.59	12,300.0	477.3	-288.6	487.0	0.00	0.00	0.00	
13,000.0	90.00	359.59	12,300.0	577.3	-289.3	586.9	0.00	0.00	0.00	
13,100.0	90.00	359.59	12,300.0	677.3	-290.0	686.9	0.00	0.00	0.00	
13,200.0	90.00	359.59	12,300.0	777.3	-290.7	786.8	0.00	0.00	0.00	
13,300.0	90.00	359.59	12,300.0	877.3	-291.4	886.8	0.00	0.00	0.00	
13,400.0	90.00	359.59	12,300.0	977.3	-292.1	986.8	0.00	0.00	0.00	



EOG Resources

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well #721H
Company:	EOG Resources - Midland	TVD Reference:	KB = 26' @ 3555.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3555.0usft
Site:	Falcon 36 Fed Com	North Reference:	Grid
Well:	#721H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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)
13,500.0	90.00	359.59	12,300.0	1,077.3	-292.8	1,086.7	0.00	0.00	0.00
13,600.0	90.00	359.59	12,300.0	1,177.3	-293.5	1,186.7	0.00	0.00	0.00
13,700.0	90.00	359.59	12,300.0	1,277.3	-294.2	1,286.7	0.00	0.00	0.00
13,800.0	90.00	359.59	12,300.0	1,377.3	-294.9	1,386.6	0.00	0.00	0.00
13,900.0	90.00	359.59	12,300.0	1,477.3	-295.7	1,486.6	0.00	0.00	0.00
14,000.0	90.00	359.59	12,300.0	1,577.3	-296.4	1,586.5	0.00	0.00	0.00
14,100.0	90.00	359.59	12,300.0	1,677.3	-297.1	1,686.5	0.00	0.00	0.00
14,200.0	90.00	359.59	12,300.0	1,777.3	-297.8	1,786.5	0.00	0.00	0.00
14,300.0	90.00	359.59	12,300.0	1,877.3	-298.5	1,886.4	0.00	0.00	0.00
14,400.0	90.00	359.59	12,300.0	1,977.3	-299.2	1,986.4	0.00	0.00	0.00
14,500.0	90.00	359.59	12,300.0	2,077.2	-299.9	2,086.4	0.00	0.00	0.00
14,600.0	90.00	359.59	12,300.0	2,177.2	-300.6	2,186.3	0.00	0.00	0.00
14,700.0	90.00	359.59	12,300.0	2,277.2	-301.3	2,286.3	0.00	0.00	0.00
14,800.0	90.00	359.59	12,300.0	2,377.2	-302.0	2,386.2	0.00	0.00	0.00
14,900.0	90.00	359.59	12,300.0	2,477.2	-302.7	2,486.2	0.00	0.00	0.00
15,000.0	90.00	359.59	12,300.0	2,577.2	-303.4	2,586.2	0.00	0.00	0.00
15,100.0	90.00	359.59	12,300.0	2,677.2	-304.1	2,686.1	0.00	0.00	0.00
15,200.0	90.00	359.59	12,300.0	2,777.2	-304.8	2,786.1	0.00	0.00	0.00
15,300.0	90.00	359.59	12,300.0	2,877.2	-305.6	2,886.0	0.00	0.00	0.00
15,400.0	90.00	359.59	12,300.0	2,977.2	-306.3	2,986.0	0.00	0.00	0.00
15,500.0	90.00	359.59	12,300.0	3,077.2	-307.0	3,086.0	0.00	0.00	0.00
15,600.0	90.00	359.59	12,300.0	3,177.2	-307.7	3,185.9	0.00	0.00	0.00
15,700.0	90.00	359.59	12,300.0	3,277.2	-308.4	3,285.9	0.00	0.00	0.00
15,800.0	90.00	359.59	12,300.0	3,377.2	-309.1	3,385.9	0.00	0.00	0.00
15,900.0	90.00	359.59	12,300.0	3,477.2	-309.8	3,485.8	0.00	0.00	0.00
16,000.0	90.00	359.59	12,300.0	3,577.2	-310.5	3,585.8	0.00	0.00	0.00
16,100.0	90.00	359.59	12,300.0	3,677.2	-311.2	3,685.7	0.00	0.00	0.00
16,200.0	90.00	359.59	12,300.0	3,777.2	-311.9	3,785.7	0.00	0.00	0.00
16,300.0	90.00	359.59	12,300.0	3,877.2	-312.6	3,885.7	0.00	0.00	0.00
16,400.0	90.00	359.59	12,300.0	3,977.2	-313.3	3,985.6	0.00	0.00	0.00
16,500.0	90.00	359.59	12,300.0	4,077.2	-314.0	4,085.6	0.00	0.00	0.00
16,600.0	90.00	359.59	12,300.0	4,177.2	-314.7	4,185.6	0.00	0.00	0.00
16,700.0	90.00	359.59	12,300.0	4,277.2	-315.5	4,285.5	0.00	0.00	0.00
16,800.0	90.00	359.59	12,300.0	4,377.2	-316.2	4,385.5	0.00	0.00	0.00
16,900.0	90.00	359.59	12,300.0	4,477.2	-316.9	4,485.4	0.00	0.00	0.00
17,000.0	90.00	359.59	12,300.0	4,577.2	-317.6	4,585.4	0.00	0.00	0.00
17,100.0	90.00	359.59	12,300.0	4,677.2	-318.3	4,685.4	0.00	0.00	0.00
17,200.0	90.00	359.59	12,300.0	4,777.2	-319.0	4,785.3	0.00	0.00	0.00
17,300.0	90.00	359.59	12,300.0	4,877.2	-319.7	4,885.3	0.00	0.00	0.00
17,400.0	90.00	359.59	12,300.0	4,977.2	-320.4	4,985.3	0.00	0.00	0.00
17,500.0	90.00	359.59	12,300.0	5,077.2	-321.1	5,085.2	0.00	0.00	0.00
17,600.0	90.00	359.59	12,300.0	5,177.2	-321.8	5,185.2	0.00	0.00	0.00
17,700.0	90.00	359.59	12,300.0	5,277.2	-322.5	5,285.1	0.00	0.00	0.00
17,767.8	90.00	359.59	12,300.0	5,345.0	-323.0	5,353.0	0.00	0.00	0.00
17,800.0	90.00	359.59	12,300.0	5,377.2	-323.2	5,385.1	0.01	0.00	-0.01
17,900.0	90.00	359.58	12,300.0	5,477.2	-323.9	5,485.1	0.01	0.00	-0.01
18,000.0	90.00	359.57	12,300.0	5,577.2	-324.7	5,585.0	0.01	0.00	-0.01
18,100.0	90.00	359.56	12,300.0	5,677.2	-325.4	5,685.0	0.01	0.00	-0.01
18,156.2	90.00	359.56	12,300.0	5,733.4	-325.9	5,741.2	0.01	0.00	-0.01
18,200.0	90.00	359.56	12,300.0	5,777.2	-326.2	5,785.0	0.00	0.00	0.00
18,300.0	90.00	359.56	12,300.0	5,877.2	-327.0	5,884.9	0.00	0.00	0.00
18,400.0	90.00	359.56	12,300.0	5,977.1	-327.8	5,984.9	0.00	0.00	0.00
18,500.0	90.00	359.56	12,300.0	6,077.1	-328.5	6,084.9	0.00	0.00	0.00
18,600.0	90.00	359.56	12,300.0	6,177.1	-329.3	6,184.8	0.00	0.00	0.00



EOG Resources

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well #721H
Company:	EOG Resources - Midland	TVD Reference:	KB = 26' @ 3555.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3555.0usft
Site:	Falcon 36 Fed Com	North Reference:	Grid
Well:	#721H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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)
18,700.0	90.00	359.56	12,300.0	6,277.1	-330.1	6,284.8	0.00	0.00	0.00
18,800.0	90.00	359.56	12,300.0	6,377.1	-330.9	6,384.8	0.00	0.00	0.00
18,900.0	90.00	359.56	12,300.0	6,477.1	-331.6	6,484.7	0.00	0.00	0.00
19,000.0	90.00	359.56	12,300.0	6,577.1	-332.4	6,584.7	0.00	0.00	0.00
19,100.0	90.00	359.56	12,300.0	6,677.1	-333.2	6,684.6	0.00	0.00	0.00
19,200.0	90.00	359.56	12,300.0	6,777.1	-334.0	6,784.6	0.00	0.00	0.00
19,300.0	90.00	359.56	12,300.0	6,877.1	-334.7	6,884.6	0.00	0.00	0.00
19,400.0	90.00	359.56	12,300.0	6,977.1	-335.5	6,984.5	0.00	0.00	0.00
19,500.0	90.00	359.56	12,300.0	7,077.1	-336.3	7,084.5	0.00	0.00	0.00
19,600.0	90.00	359.56	12,300.0	7,177.1	-337.1	7,184.5	0.00	0.00	0.00
19,700.0	90.00	359.56	12,300.0	7,277.1	-337.8	7,284.4	0.00	0.00	0.00
19,800.0	90.00	359.56	12,300.0	7,377.1	-338.6	7,384.4	0.00	0.00	0.00
19,900.0	90.00	359.56	12,300.0	7,477.1	-339.4	7,484.4	0.00	0.00	0.00
20,000.0	90.00	359.56	12,300.0	7,577.1	-340.2	7,584.3	0.00	0.00	0.00
20,100.0	90.00	359.56	12,300.0	7,677.1	-340.9	7,684.3	0.00	0.00	0.00
20,200.0	90.00	359.56	12,300.0	7,777.1	-341.7	7,784.3	0.00	0.00	0.00
20,300.0	90.00	359.56	12,300.0	7,877.1	-342.5	7,884.2	0.00	0.00	0.00
20,400.0	90.00	359.56	12,300.0	7,977.1	-343.3	7,984.2	0.00	0.00	0.00
20,500.0	90.00	359.56	12,300.0	8,077.1	-344.0	8,084.1	0.00	0.00	0.00
20,600.0	90.00	359.56	12,300.0	8,177.1	-344.8	8,184.1	0.00	0.00	0.00
20,700.0	90.00	359.56	12,300.0	8,277.1	-345.6	8,284.1	0.00	0.00	0.00
20,800.0	90.00	359.56	12,300.0	8,377.1	-346.4	8,384.0	0.00	0.00	0.00
20,900.0	90.00	359.56	12,300.0	8,477.1	-347.1	8,484.0	0.00	0.00	0.00
21,000.0	90.00	359.56	12,300.0	8,577.1	-347.9	8,584.0	0.00	0.00	0.00
21,100.0	90.00	359.56	12,300.0	8,677.1	-348.7	8,683.9	0.00	0.00	0.00
21,200.0	90.00	359.56	12,300.0	8,777.1	-349.5	8,783.9	0.00	0.00	0.00
21,300.0	90.00	359.56	12,300.0	8,877.1	-350.2	8,883.9	0.00	0.00	0.00
21,400.0	90.00	359.56	12,300.0	8,977.1	-351.0	8,983.8	0.00	0.00	0.00
21,500.0	90.00	359.56	12,300.0	9,077.1	-351.8	9,083.8	0.00	0.00	0.00
21,600.0	90.00	359.56	12,300.0	9,177.1	-352.6	9,183.8	0.00	0.00	0.00
21,700.0	90.00	359.56	12,300.0	9,277.0	-353.3	9,283.7	0.00	0.00	0.00
21,800.0	90.00	359.56	12,300.0	9,377.0	-354.1	9,383.7	0.00	0.00	0.00
21,900.0	90.00	359.56	12,300.0	9,477.0	-354.9	9,483.6	0.00	0.00	0.00
22,000.0	90.00	359.56	12,300.0	9,577.0	-355.7	9,583.6	0.00	0.00	0.00
22,100.0	90.00	359.56	12,300.0	9,677.0	-356.4	9,683.6	0.00	0.00	0.00
22,200.0	90.00	359.56	12,300.0	9,777.0	-357.2	9,783.5	0.00	0.00	0.00
22,300.0	90.00	359.56	12,300.0	9,877.0	-358.0	9,883.5	0.00	0.00	0.00
22,400.0	90.00	359.56	12,300.0	9,977.0	-358.8	9,983.5	0.00	0.00	0.00
22,500.0	90.00	359.56	12,300.0	10,077.0	-359.5	10,083.4	0.00	0.00	0.00
22,600.0	90.00	359.56	12,300.0	10,177.0	-360.3	10,183.4	0.00	0.00	0.00
22,700.0	90.00	359.56	12,300.0	10,277.0	-361.1	10,283.4	0.00	0.00	0.00
22,800.0	90.00	359.56	12,300.0	10,377.0	-361.9	10,383.3	0.00	0.00	0.00
22,900.0	90.00	359.56	12,300.0	10,477.0	-362.6	10,483.3	0.00	0.00	0.00
22,948.0	90.00	359.56	12,300.0	10,525.0	-363.0	10,531.3	0.00	0.00	0.00



EOG Resources

Planning Report

Database:	EDM	Local Co-ordinate Reference:	Well #721H
Company:	EOG Resources - Midland	TVD Reference:	KB = 26' @ 3555.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3555.0usft
Site:	Falcon 36 Fed Com	North Reference:	Grid
Well:	#721H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Design Targets

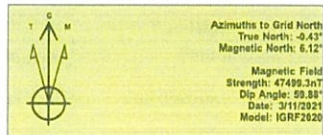
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Brushy Top(Falcon 25 Fi - plan hits target center - Point	0.00	0.00	7,400.0	-313.0	-283.0	430,250.00	789,785.00	32° 10' 49.029 N	103° 31' 49.062 W
Fed Perf(Falcon 25 Fed - plan hits target center - Point	0.00	0.01	12,300.0	5,345.0	-323.0	435,908.00	789,745.00	32° 11' 45.019 N	103° 31' 49.036 W
FTP(Falcon 25 Fed Cor - plan misses target center by 3.4usft at 12587.7usft MD (12300.0 TVD, 165.0 N, -286.4 E) - Point	0.00	0.00	12,300.0	165.0	-283.0	430,728.00	789,785.00	32° 10' 53.759 N	103° 31' 49.021 W
PBHL(Falcon 25 Fed Cc - plan hits target center - Rectangle (sides W60.0 H0.0 D10,350.4)	90.00	359.56	12,300.0	10,525.0	-363.0	441,088.00	789,705.00	32° 12' 36.278 N	103° 31' 49.051 W



Lea County, NM (NAD 83 NME)

Falcon 36 Fed Com #721H

Plan #1



To convert a Magnetic Direction to a Grid Direction, Add 6.12°
 To convert a Magnetic Direction to a True Direction, Add 6.55° East
 To convert a True Direction to a Grid Direction, Subtract 0.43°

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: #721H

KB = 26" @ 3555.00ft		3529.0	
Northings	Easting	Latitude	Longitude
430563.00	790068.00	32° 10' 52.105 N	103° 31' 45.742 W

SECTION DETAILS

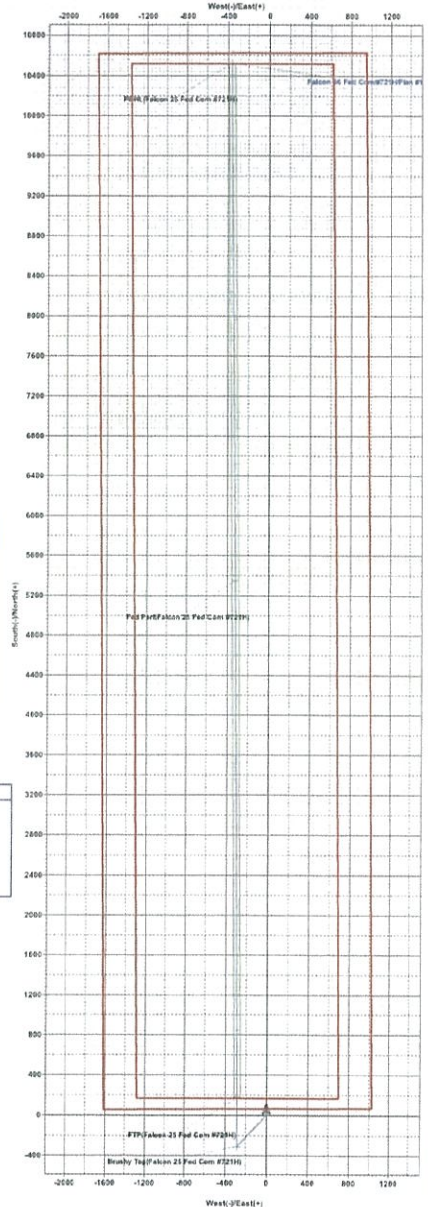
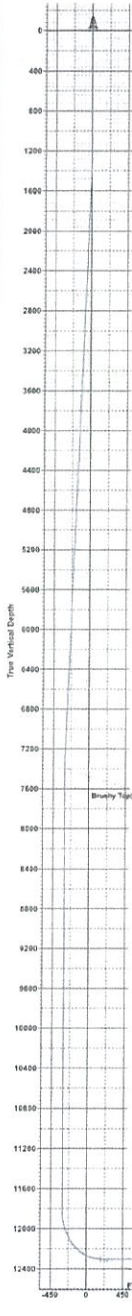
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dieg	TFace	VSeet	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	1401.2	4.02	222.12	1401.0	-5.2	-4.7	2.00	222.12	-5.1	
4	7213.5	4.02	222.12	7199.0	-307.8	-278.3	0.00	0.00	-298.0	
5	7414.7	0.00	0.00	7400.0	-313.0	-283.0	2.00	180.00	-303.1	Brushy Top(Falcon 25 Fed Com #721H)
6	11837.2	0.00	0.00	11822.5	-313.0	-283.0	0.00	0.00	-303.1	
7	12507.2	90.00	359.59	12300.0	164.4	-286.4	12.00	359.59	174.2	Fed Perf(Falcon 25 Fed Com #721H)
8	17767.8	90.00	359.59	12300.0	5345.0	-323.0	0.00	0.00	5353.0	PBHL(Falcon 25 Fed Com #721H)
9	18156.2	90.00	359.56	12300.0	5733.4	-325.9	0.01	-89.40	5741.2	
10	22948.0	90.00	359.56	12300.0	10525.0	-363.0	0.00	0.00	10531.3	

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northings	Easting
Brushy Top(Falcon 25 Fed Com #721H)	7400.0	-313.0	-283.0	430250.00	789785.00
Fed Perf(Falcon 25 Fed Com #721H)	12300.0	5345.0	-323.0	430500.00	789745.00
PBHL(Falcon 25 Fed Com #721H)	12300.0	10525.0	-363.0	441080.00	789705.00
FTP(Falcon 25 Fed Com #721H)	12300.0	165.0	-283.0	430728.00	789785.00



District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 14781

CONDITIONS OF APPROVAL

Operator:	EOG RESOURCES INC	P.O. Box 2267	Midland, TX79702	OGRID:	7377	Action Number:	14781	Action Type:	C-103N
OCD Reviewer									Condition
pkautz									None