Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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*

5. Lease Serial No. NMNM17241

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well
☑ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No. YUKON 20 FED COM/102H

2. Name of Operator EOG RESOURCES INCORPORATED

9. API Well No. 3002550396XXXXX **30-025-50469**

3a. Address 1111 BAGBY SKY LOBBY 2, HOUSTON, TX 770

3b. Phone No. *(include area code)* (713) 651-7000

10. Field and Pool or Exploratory Area RED HILLS; BONE SPRING, NORTH

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* SEC 20/T24S/R34E/NMP

11. Country or Parish, State LEA/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
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ 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 recomplete 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 perfonned 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 recompletion 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 detennined that the site is ready for final inspection.)

Skid after cementing, they ran in with a 17.5" mandrel, and were unable to go to the bottom. They rain in a camera and found that the casing was collapsed at about 75'. 120 20 conductor casing, 42 bbls cement, saw cement at surface. A copy of the P&A that has been filed is attached as well.

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* STAR HARRELL / Ph: (432) 848-9161

Title Regulatory Specialist

Signature Star L Harrell

Date 08/12/2022

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved

Title Petroleum Engineer

Date 08/17/2022

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 CARLSBAD

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 ofthis form to U.S. Department ofthe Interior, Bureau ofLand Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: NENW / 553 FNL / 1996 FWL / TWSP: 24S / RANGE: 34E / SECTION: 20 / LAT: 32.208799 / LONG: -103.4940081 (TVD: 0 feet, MD: 0 feet)

PPP: NENW / 100 FNL / 1980 FWL / TWSP: 24S / RANGE: 34E / SECTION: 20 / LAT: 32.2100443 / LONG: -103.494059 (TVD: 12160 feet, MD: 12180 feet)

BHL: SESW / 100 FSL / 1254 FWL / TWSP: 25S / RANGE: 34E / SECTION: 29 / LAT: 32.1815671 / LONG: -103.494094 (TVD: 12425 feet, MD: 22642 feet)

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	[2]Pool Code	[3]Pool Name
30-025-50469	96434	Red Hills; Bone Spring, North

[4]Property Code	[5]Property Name	[6]Well Number
327233	YUKON 20 FED COM	102H

[7]OGRID No.	[8]Operator Name	[9]Elevation
7377	EOG RESOURCES, INC.	3538'

[10]Surface Location

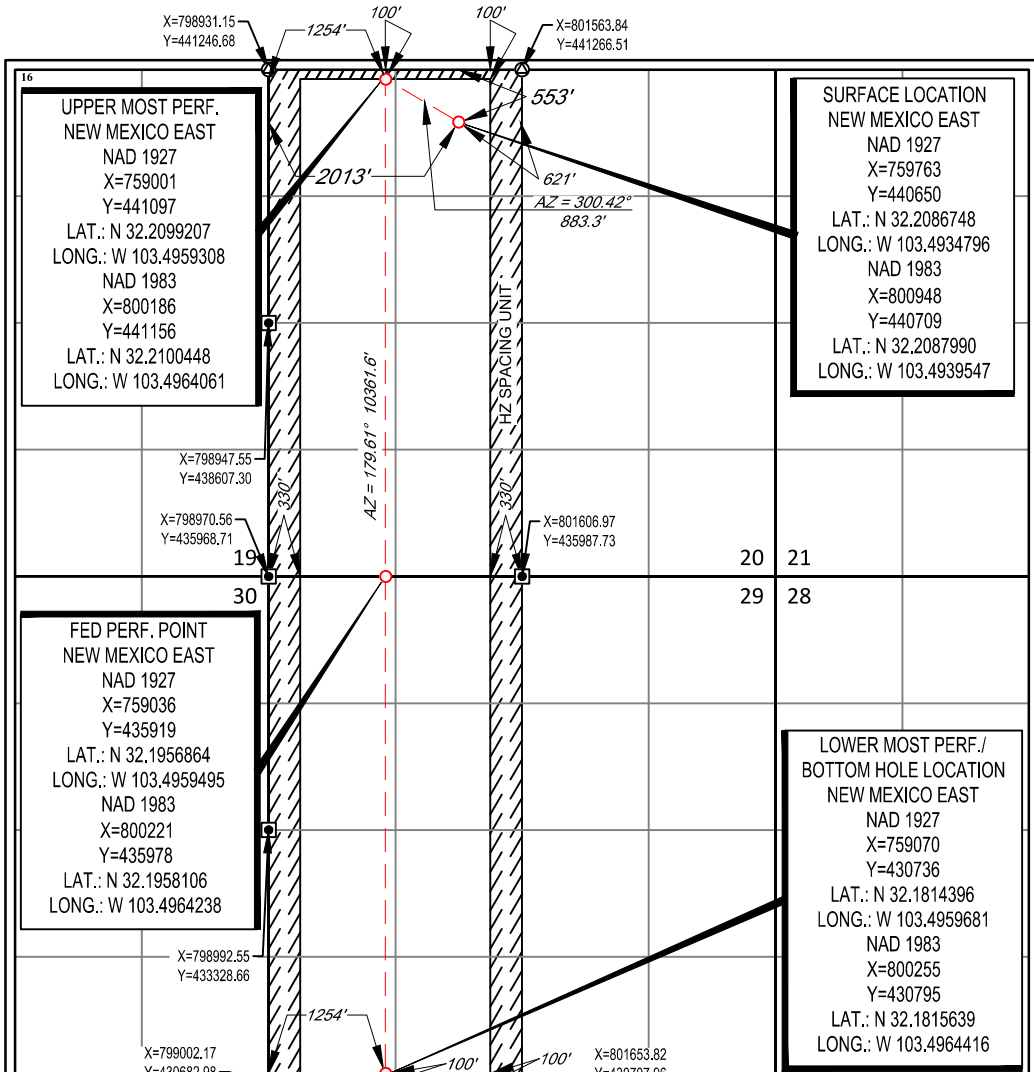
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	20	24-S	34-E	-	553'	NORTH	2013'	WEST	LEA

[11]Bottom 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
M	29	24-S	34-E	-	100'	SOUTH	1254'	WEST	LEA

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
640.00			

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.



[17]OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including 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 voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Star L Harrell 8/10/2022
Signature Date

Star L Harrell
Printed Name

star_harrell@eogresources.com
E-mail Address

[18]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 to the best of my belief.

10/20/2020
Date of Survey
Signature and Seal of Professional Surveyor:

RAMON A. DOMINGUEZ, JR. NEW MEXICO 24508 PROFESSIONAL SURVEYOR

Certificate Number

S:\SURVEY\EOG_MIDLAND\YUKON_20_FED_COM\FINAL_PRODUCTS\LO_YUKON_20_FED_COM_102H_C-102.DWG 8/10/2022 12:50:55 PM acardona-lopez

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Yukon 20 Fed Com 102H

1. GEOLOGIC NAME OF SURFACE FORMATION:

Permian

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	1,177'
Tamarisk Anhydrite	1,295'
Top of Salt	1,730'
Base of Salt	5,117'
Lamar	5,265'
Bell Canyon	5,290'
Cherry Canyon	6,172'
Brushy Canyon	7,577'
Bone Spring Lime	9,039'
Leonard (Avalon) Shale	9,131'
1st Bone Spring Sand	10,010'
2nd Bone Spring Shale	10,270'
2nd Bone Spring Sand	10,444'
3rd Bone Spring Carb	11,091'
3rd Bone Spring Sand	11,685'
Wolfcamp	11,934'
TD	9,198'

3. ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Upper Permian Sands	0- 400’	Fresh Water
Bell Canyon	5,290'	Oil
Cherry Canyon	6,172'	Oil
Brushy Canyon	7,577'	Oil
Leonard (Avalon) Shale	9,131'	Oil
1st Bone Spring Sand	10,010'	Oil
2nd Bone Spring Shale	10,270'	Oil
2nd Bone Spring Sand	10,444'	Oil

No other Formations are expected to give up oil, gas or fresh water in measurable quantities. Surface fresh water sands will be protected by setting 13-3/8" casing at 1,320' and circulating cement back to surface.

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Yukon 20 Fed Com 102H

4. CASING PROGRAM

Hole Size	Interval MD From (ft)	Interval MD To (ft)	Interval TVD From (ft)	Interval TVD To (ft)	Csg OD	Weight	Grade	Conn
16"	0	1,320	0	1,320	13-3/8"	54.5#	J-55	STC
12-1/4"	0	4,066	0	4,000	9-5/8"	40#	J-55	LTC
12-1/4"	4,066	5,286	4,000	5,220	9-5/8"	40#	HCK-55	LTC
7-7/8"	0	19,474	0	9,198	5-1/2"	17#	HCP-110	LTC

Variance is requested to waive the centralizer requirements for the 9-5/8" casing in the 12-1/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 12-1/4" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to waive any centralizer requirements for the 5-1/2" casing in the 7-7/8" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 7-7/8" hole interval to maximize cement bond and zonal isolation.

Cementing Program:

Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
1,320' 13-3/8''	400	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl2 + 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 @ 1120')
5,220' 9-5/8''	760	12.7	2.22	Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface)
	330	14.8	1.32	Tail: Class C + 10% NaCL + 3% MagOx (TOC @ 4176')
19,474' 5-1/2''	920	11.0	3.21	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 4720')
	2770	13.2	1.52	Tail: Class H + 5% NEX-020 + 0.2% NAC-102 + 0.15% NAS-725 + 0.5% NFL-549 + 0.2% NFP-703 + 1% NBE-737 + 0.3% NRT-241 (TOC @ 8790')

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Yukon 20 Fed Com 102H

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

Cement integrity tests will be performed immediately following plug bump.

Note: Cement volumes based on bit size plus at least 25% excess in the open hole plus 10% excess in the cased-hole overlap section.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Variance is requested to use a co-flex line between the BOP and choke manifold (instead of using a 4" OD steel line).

The minimum blowout preventer equipment (BOPE) shown in Exhibit #1 will consist of a single ram, mud cross and double ram-type (10,000 psi WP) preventer and an annular preventer (5,000-psi WP). Both units will be hydraulically operated and the ram-type will be equipped with blind rams on bottom and drill pipe rams on top. All BOPE will be tested in accordance with Onshore Oil & Gas order No. 2.

EOG will utilize wing unions on BOPE connections that can be isolated from wellbore pressure through means of a choke. All wing unions will be rated to a pressure that meets or exceeds the pressure rating of the BOPE system.

Variance is requested to use a 5,000 psi annular BOP with the 10,000 psi BOP stack.

Before drilling out of the surface casing, the ram-type BOP and accessory equipment will be tested to 10,000/ 250 psig and the annular preventer to 5,000/ 250 psig.

Pipe rams and blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets.

A hydraulically operated choke will be installed prior to drilling out of the intermediate casing shoe.

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Yukon 20 Fed Com 102H

6. TYPES AND CHARACTERISTICS OF THE PROPOSED MUD SYSTEM:

During this procedure we plan to use a Closed-Loop System and haul contents to the required disposal.

The applicable depths and properties of the drilling fluid systems are as follows:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,320'	Fresh - Gel	8.6-8.8	28-34	N/c
1,320' – 5,220'	Brine	8.6-8.8	28-34	N/c
5,020' – 19,474' Lateral	Oil Base	8.8-9.5	58-68	N/c - 6

An electronic pit volume totalizer (PVT) will be utilized on the circulating system, to monitor pit volume, flow rate, pump pressure and stroke rate.

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept at the wellsite at all times.

7. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT:

(A) A kelly cock will be kept in the drill string at all times.
(B) A full opening drill pipe-stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.
(C) H2S monitoring and detection equipment will be utilized from surface casing point to TD.

8. LOGGING, TESTING AND CORING PROGRAM:

(A) Open-hole logs are not planned for this well.
(B) GR–CCL will be run in cased hole during completions phase of operations.

9. ABNORMAL CONDITIONS, PRESSURES, TEMPERATURES AND POTENTIAL HAZARDS:

The estimated bottom-hole temperature (BHT) at TD is 162 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 4,305 psig and a maximum anticipated surface pressure of 2,281 psig (based on 9.0 ppg MW). No hydrogen sulfide or other hazardous gases or fluids have been encountered, reported or are known to exist at this depth in this area. Severe loss circulation is expected from 7,577' to intermediate casing point.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

The drilling operation should be finished in approximately one month. If the well is productive, an additional 60-90 days will be required for completion and testing before a decision is made to install permanent facilities.

EOG Resources requests the option to contract a Surface Rig to drill, set surface casing, and Cement on the subject well. After WOC 8 hours or 500 psi compressive strength (whichever is greater), the Surface Rig will move off so the wellhead can be installed. A welder will cut the casing to the proper height and weld on the wellhead (both "A" and "B" sections). The weld will be tested to 1,500 psi. All valves will be closed and a wellhead cap will be installed (diagram attached). If the timing between rigs is such that EOG Resources would not be able to preset the surface, the Primary Rig will MIRU and drill the well in its entirety per the APD.

11. WELLHEAD & Offline Cementing:

A multi-bowl wellhead system will be utilized.

After running the 13-3/8" surface casing, a 13-3/8" BOP/BOPE system with a minimum working pressure of 10,000 psi will be installed on the wellhead system and will be pressure tested to 250 psi low followed by a 10,000 psi pressure test. This pressure test will be repeated at least every 30 days, as per Onshore Order No. 2.

The minimum working pressure of the BOP and related BOPE required for drilling below the surface casing shoe shall be 10,000 psi.

The multi-bowl wellhead will be installed by vendor's representative(s). A copy of the installation instructions for the Cactus Multi-Bowl WH system has been sent to the NM BLM office in Carlsbad, NM.

The wellhead will be installed by a third party welder while being monitored by WH vendor's representative.

All BOP equipment will be tested utilizing a conventional test plug. Not a cup or J-packer type. EOG Resources reserves the option to conduct BOPE testing during wait on cement periods provided a test plug is utilized.

A solid steel body pack-off will be utilized after running and cementing the intermediate casing. After installation the pack-off and lower flange will be pressure tested to 5000 psi.

Casing strings will be tested as per Onshore Order No. 2 to at least 0.22 psi/ft or 1,500 psi, whichever is greater.

Yukon 20 Fed Com 102H

EOG Resources Inc. (EOG) respectfully requests a variance from the minimum standards for well control equipment testing of Onshore Order No. 2 (item III.A.2.a.i) to allow a testing schedule of the blow out preventer (BOP) and blow out prevention equipment (BOPE) along with Batch Drilling & Offline cement operations to include the following:

- Full BOPE test at first installation on the pad.
- Full BOPE test every 30 days per Onshore Order No. 2.
- Function test BOP elements per Onshore Order No. 2.
- Break testing BOP and BOPE coupled with batch drilling operations and option to offline cement and/or remediate (if needed) any surface or intermediate sections, according to attached offline cementing support documentation.
- After the well section is secured, the BOP will be disconnected from the wellhead and walked with the rig to another well on the pad.
- TA cap will also be installed per Wellhead vendor procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.
- See attached "EOG BLM Variance 3a -Offline Cement Intermediate Operational Procedure"

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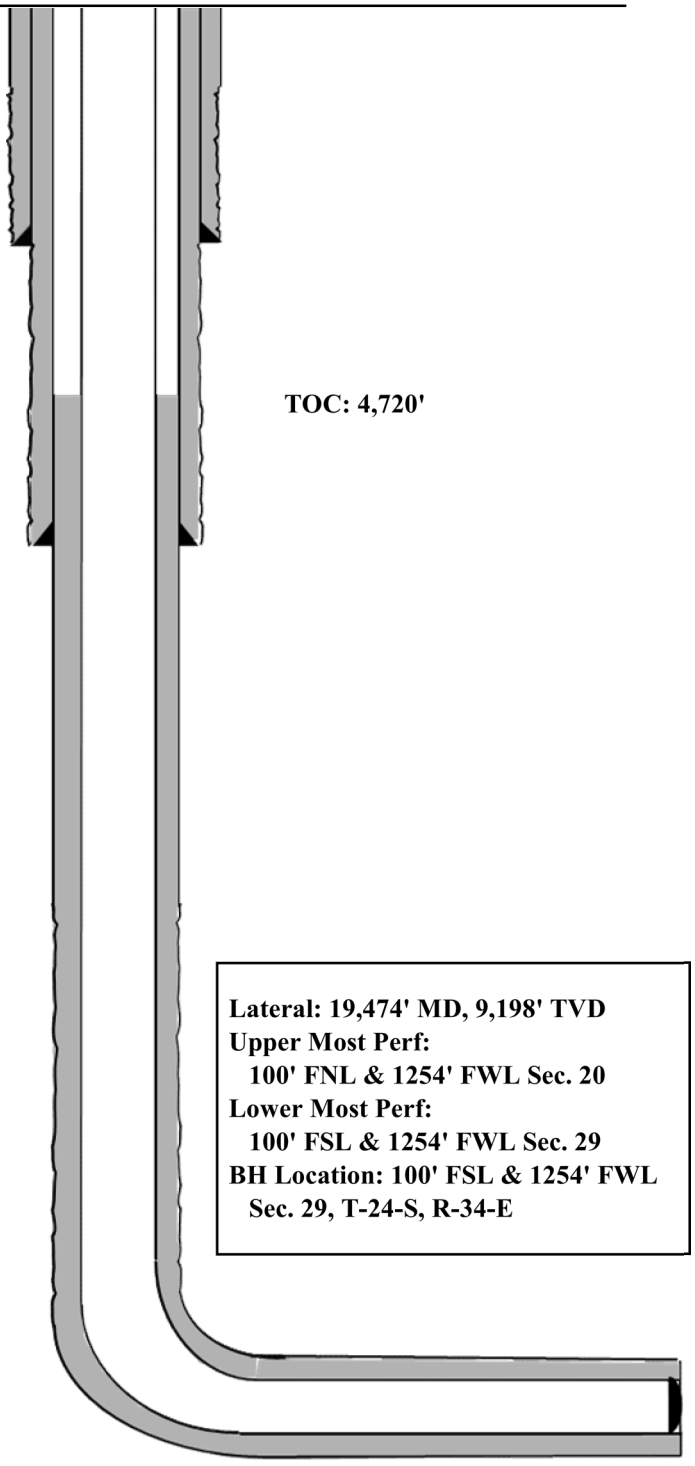
Yukon 20 Fed Com 102H

553' FNL
2013' FWL
Section 20
T-24-S, R-34-E

Proposed Wellbore

API: 30-025-*****

KB: 3563'
GL: 3538'



Bit Size: 16"
13-3/8", 54.5#, J-55, STC
@ 0' - 1,320'

Bit Size: 12-1/4"
9-5/8", 40.#, J-55, LTC
@ 0' - 4,000'
9-5/8", 40.#, HCK-55, LTC
@ 4,000' - 5,220'

TOC: 4,720'

Bit Size: 7-7/8"
5-1/2", 17.#, HCP-110, LTC
@ 0' - 19,474'

Lateral: 19,474' MD, 9,198' TVD
Upper Most Perf:
100' FNL & 1254' FWL Sec. 20
Lower Most Perf:
100' FSL & 1254' FWL Sec. 29
BH Location: 100' FSL & 1254' FWL
Sec. 29, T-24-S, R-34-E

KOP: 8,789' MD, 8,720' TVD
EOC: 9,539' MD, 9,198' TVD

Bit Size: 7-7/8"

Midland

Lea County, NM (NAD 83 NME)
Yukon 20 Fed Com
#102H
143393
OH

Plan: Plan #0.1

Standard Planning Report

04 August, 2022

EOG Resources
Planning Report

Database:	PEDM	**Local Co-ordinate Reference:**	Well #102H
Company:	Midland	**TVD Reference:**	DO NOT USE @ 3563.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	DO NOT USE @ 3563.0usft
Site:	Yukon 20 Fed Com	**North Reference:**	Grid
Well:	#102H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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 Yukon 20 Fed Com

Site Position:		**Northing:**	440,613.00 usft	**Latitude:**	32° 12' 30.615 N
From:	Map	**Easting:**	802,407.00 usft	**Longitude:**	103° 29' 21.259 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "		

Well #112H

Well Position	**+N/-S**	0.0 usft	**Northing:**	440,709.00 usft	**Latitude:**	32° 12' 31.678 N
	+E/-W	0.0 usft	**Easting:**	800,948.00 usft	**Longitude:**	103° 29' 38.231 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,538.0 usft
Grid Convergence:		0.45 °				

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	8/8/2022	6.37	59.86	47,372.26873884

Design Plan #0.1

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	184.00

Plan Survey Tool Program **Date** 8/4/2022

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	19,773.0	Plan #0.1 (OH)	EOG MWD+IFR1	
				MWD + IFR1	

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EOG Resources

Planning Report

Database:	PEDM	**Local Co-ordinate Reference:**	Well #102H
Company:	Midland	**TVD Reference:**	DO NOT USE @ 3563.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	DO NOT USE @ 3563.0usft
Site:	Yukon 20 Fed Com	**North Reference:**	Grid
Well:	#102H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,960.1	9.20	303.11	1,958.1	20.1	-30.9	2.00	2.00	0.00	303.11	
7,188.1	9.20	303.11	7,118.9	476.9	-731.1	0.00	0.00	0.00	0.00	
7,648.2	0.00	179.62	7,577.0	497.0	-762.0	2.00	-2.00	0.00	180.00	
9,084.7	0.00	179.62	9,013.5	497.0	-762.0	0.00	0.00	0.00	0.00	KOP(Yukon 20 Fed C
9,308.1	26.10	180.00	9,229.2	447.0	-762.0	11.69	11.69	0.17	180.00	FTP(Yukon 20 Fed C
9,840.8	90.03	179.61	9,496.6	18.0	-760.0	12.00	12.00	-0.07	-0.43	
19,773.0	90.03	179.61	9,491.0	-9,914.0	-693.0	0.00	0.00	0.00	0.00	PBHL(Yukon 20 Fed

EOG Resources

Planning Report

Database:	PEDM	**Local Co-ordinate Reference:**	Well #102H
Company:	Midland	**TVD Reference:**	DO NOT USE @ 3563.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	DO NOT USE @ 3563.0usft
Site:	Yukon 20 Fed Com	**North Reference:**	Grid
Well:	#102H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	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	2.00	303.11	1,600.0	1.0	-1.5	-0.8	2.00	2.00	0.00
1,700.0	4.00	303.11	1,699.8	3.8	-5.8	-3.4	2.00	2.00	0.00
1,800.0	6.00	303.11	1,799.5	8.6	-13.1	-7.6	2.00	2.00	0.00
1,900.0	8.00	303.11	1,898.7	15.2	-23.4	-13.6	2.00	2.00	0.00
1,960.1	9.20	303.11	1,958.1	20.1	-30.9	-17.9	2.00	2.00	0.00
2,000.0	9.20	303.11	1,997.5	23.6	-36.2	-21.0	0.00	0.00	0.00
2,100.0	9.20	303.11	2,096.2	32.4	-49.6	-28.8	0.00	0.00	0.00
2,200.0	9.20	303.11	2,194.9	41.1	-63.0	-36.6	0.00	0.00	0.00
2,300.0	9.20	303.11	2,293.7	49.8	-76.4	-44.4	0.00	0.00	0.00
2,400.0	9.20	303.11	2,392.4	58.6	-89.8	-52.2	0.00	0.00	0.00
2,500.0	9.20	303.11	2,491.1	67.3	-103.2	-59.9	0.00	0.00	0.00
2,600.0	9.20	303.11	2,589.8	76.0	-116.6	-67.7	0.00	0.00	0.00
2,700.0	9.20	303.11	2,688.5	84.8	-130.0	-75.5	0.00	0.00	0.00
2,800.0	9.20	303.11	2,787.2	93.5	-143.4	-83.3	0.00	0.00	0.00
2,900.0	9.20	303.11	2,885.9	102.3	-156.8	-91.1	0.00	0.00	0.00
3,000.0	9.20	303.11	2,984.6	111.0	-170.2	-98.9	0.00	0.00	0.00
3,100.0	9.20	303.11	3,083.4	119.7	-183.6	-106.6	0.00	0.00	0.00
3,200.0	9.20	303.11	3,182.1	128.5	-197.0	-114.4	0.00	0.00	0.00
3,300.0	9.20	303.11	3,280.8	137.2	-210.3	-122.2	0.00	0.00	0.00
3,400.0	9.20	303.11	3,379.5	145.9	-223.7	-130.0	0.00	0.00	0.00
3,500.0	9.20	303.11	3,478.2	154.7	-237.1	-137.8	0.00	0.00	0.00
3,600.0	9.20	303.11	3,576.9	163.4	-250.5	-145.5	0.00	0.00	0.00
3,700.0	9.20	303.11	3,675.6	172.1	-263.9	-153.3	0.00	0.00	0.00
3,800.0	9.20	303.11	3,774.3	180.9	-277.3	-161.1	0.00	0.00	0.00
3,900.0	9.20	303.11	3,873.1	189.6	-290.7	-168.9	0.00	0.00	0.00
4,000.0	9.20	303.11	3,971.8	198.3	-304.1	-176.7	0.00	0.00	0.00
4,100.0	9.20	303.11	4,070.5	207.1	-317.5	-184.4	0.00	0.00	0.00
4,200.0	9.20	303.11	4,169.2	215.8	-330.9	-192.2	0.00	0.00	0.00
4,300.0	9.20	303.11	4,267.9	224.6	-344.3	-200.0	0.00	0.00	0.00
4,400.0	9.20	303.11	4,366.6	233.3	-357.7	-207.8	0.00	0.00	0.00
4,500.0	9.20	303.11	4,465.3	242.0	-371.1	-215.6	0.00	0.00	0.00
4,600.0	9.20	303.11	4,564.1	250.8	-384.5	-223.3	0.00	0.00	0.00
4,700.0	9.20	303.11	4,662.8	259.5	-397.9	-231.1	0.00	0.00	0.00
4,800.0	9.20	303.11	4,761.5	268.2	-411.3	-238.9	0.00	0.00	0.00
4,900.0	9.20	303.11	4,860.2	277.0	-424.6	-246.7	0.00	0.00	0.00
5,000.0	9.20	303.11	4,958.9	285.7	-438.0	-254.5	0.00	0.00	0.00
5,100.0	9.20	303.11	5,057.6	294.4	-451.4	-262.2	0.00	0.00	0.00
5,200.0	9.20	303.11	5,156.3	303.2	-464.8	-270.0	0.00	0.00	0.00

eog resources

EOG Resources

Planning Report

Database:	PEDM	**Local Co-ordinate Reference:**	Well #102H
Company:	Midland	**TVD Reference:**	DO NOT USE @ 3563.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	DO NOT USE @ 3563.0usft
Site:	Yukon 20 Fed Com	**North Reference:**	Grid
Well:	#102H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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)
5,300.0	9.20	303.11	5,255.0	311.9	-478.2	-277.8	0.00	0.00	0.00
5,400.0	9.20	303.11	5,353.8	320.6	-491.6	-285.6	0.00	0.00	0.00
5,500.0	9.20	303.11	5,452.5	329.4	-505.0	-293.4	0.00	0.00	0.00
5,600.0	9.20	303.11	5,551.2	338.1	-518.4	-301.1	0.00	0.00	0.00
5,700.0	9.20	303.11	5,649.9	346.9	-531.8	-308.9	0.00	0.00	0.00
5,800.0	9.20	303.11	5,748.6	355.6	-545.2	-316.7	0.00	0.00	0.00
5,900.0	9.20	303.11	5,847.3	364.3	-558.6	-324.5	0.00	0.00	0.00
6,000.0	9.20	303.11	5,946.0	373.1	-572.0	-332.3	0.00	0.00	0.00
6,100.0	9.20	303.11	6,044.7	381.8	-585.4	-340.1	0.00	0.00	0.00
6,200.0	9.20	303.11	6,143.5	390.5	-598.8	-347.8	0.00	0.00	0.00
6,300.0	9.20	303.11	6,242.2	399.3	-612.2	-355.6	0.00	0.00	0.00
6,400.0	9.20	303.11	6,340.9	408.0	-625.6	-363.4	0.00	0.00	0.00
6,500.0	9.20	303.11	6,439.6	416.7	-639.0	-371.2	0.00	0.00	0.00
6,600.0	9.20	303.11	6,538.3	425.5	-652.3	-379.0	0.00	0.00	0.00
6,700.0	9.20	303.11	6,637.0	434.2	-665.7	-386.7	0.00	0.00	0.00
6,800.0	9.20	303.11	6,735.7	443.0	-679.1	-394.5	0.00	0.00	0.00
6,900.0	9.20	303.11	6,834.5	451.7	-692.5	-402.3	0.00	0.00	0.00
7,000.0	9.20	303.11	6,933.2	460.4	-705.9	-410.1	0.00	0.00	0.00
7,100.0	9.20	303.11	7,031.9	469.2	-719.3	-417.9	0.00	0.00	0.00
7,188.1	9.20	303.11	7,118.9	476.9	-731.1	-424.7	0.00	0.00	0.00
7,200.0	8.96	303.11	7,130.6	477.9	-732.7	-425.6	2.00	-2.00	0.00
7,300.0	6.96	303.11	7,229.6	485.5	-744.3	-432.4	2.00	-2.00	0.00
7,400.0	4.96	303.11	7,329.1	491.1	-753.0	-437.4	2.00	-2.00	0.00
7,500.0	2.96	303.11	7,428.8	494.9	-758.8	-440.8	2.00	-2.00	0.00
7,600.0	0.96	303.11	7,528.8	496.8	-761.7	-442.5	2.00	-2.00	0.00
7,648.2	0.00	179.62	7,577.0	497.0	-762.0	-442.7	2.00	-2.00	0.00
7,700.0	0.00	0.00	7,628.8	497.0	-762.0	-442.7	0.00	0.00	0.00
7,800.0	0.00	0.00	7,728.8	497.0	-762.0	-442.7	0.00	0.00	0.00
7,900.0	0.00	0.00	7,828.8	497.0	-762.0	-442.7	0.00	0.00	0.00
8,000.0	0.00	0.00	7,928.8	497.0	-762.0	-442.7	0.00	0.00	0.00
8,100.0	0.00	0.00	8,028.8	497.0	-762.0	-442.7	0.00	0.00	0.00
8,200.0	0.00	0.00	8,128.8	497.0	-762.0	-442.7	0.00	0.00	0.00
8,300.0	0.00	0.00	8,228.8	497.0	-762.0	-442.7	0.00	0.00	0.00
8,400.0	0.00	0.00	8,328.8	497.0	-762.0	-442.7	0.00	0.00	0.00
8,500.0	0.00	0.00	8,428.8	497.0	-762.0	-442.7	0.00	0.00	0.00
8,600.0	0.00	0.00	8,528.8	497.0	-762.0	-442.7	0.00	0.00	0.00
8,700.0	0.00	0.00	8,628.8	497.0	-762.0	-442.7	0.00	0.00	0.00
8,800.0	0.00	0.00	8,728.8	497.0	-762.0	-442.7	0.00	0.00	0.00
8,900.0	0.00	0.00	8,828.8	497.0	-762.0	-442.7	0.00	0.00	0.00
9,000.0	0.00	0.00	8,928.8	497.0	-762.0	-442.7	0.00	0.00	0.00
9,084.7	0.00	179.62	9,013.5	497.0	-762.0	-442.7	0.00	0.00	0.00
9,100.0	1.78	180.00	9,028.8	496.8	-762.0	-442.4	11.69	11.69	0.00
9,125.0	4.71	180.00	9,053.7	495.3	-762.0	-441.0	11.69	11.69	0.00
9,150.0	7.63	180.00	9,078.6	492.7	-762.0	-438.3	11.69	11.69	0.00
9,175.0	10.55	180.00	9,103.3	488.7	-762.0	-434.4	11.69	11.69	0.00
9,200.0	13.47	180.00	9,127.7	483.5	-762.0	-429.2	11.69	11.69	0.00
9,225.0	16.39	180.00	9,151.9	477.1	-762.0	-422.8	11.69	11.69	0.00
9,250.0	19.31	180.00	9,175.7	469.4	-762.0	-415.1	11.69	11.69	0.00
9,275.0	22.24	180.00	9,199.0	460.5	-762.0	-406.3	11.69	11.69	0.00
9,300.0	25.16	180.00	9,221.9	450.5	-762.0	-396.3	11.69	11.69	0.00
9,308.1	26.10	180.00	9,229.2	447.0	-762.0	-392.8	11.69	11.69	0.00
9,325.0	28.13	179.97	9,244.3	439.3	-762.0	-385.1	12.00	12.00	-0.19
9,350.0	31.13	179.93	9,266.0	426.9	-762.0	-372.8	12.00	12.00	-0.16
9,375.0	34.13	179.89	9,287.0	413.4	-762.0	-359.3	12.00	12.00	-0.14

eog resources

EOG Resources

Planning Report

Database:	PEDM	**Local Co-ordinate Reference:**	Well #102H
Company:	Midland	**TVD Reference:**	DO NOT USE @ 3563.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	DO NOT USE @ 3563.0usft
Site:	Yukon 20 Fed Com	**North Reference:**	Grid
Well:	#102H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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)
9,400.0	37.13	179.86	9,307.4	398.9	-761.9	-344.8	12.00	12.00	-0.12
9,425.0	40.13	179.84	9,326.9	383.3	-761.9	-329.2	12.00	12.00	-0.10
9,450.0	43.13	179.82	9,345.6	366.7	-761.8	-312.7	12.00	12.00	-0.09
9,475.0	46.13	179.80	9,363.4	349.1	-761.8	-295.1	12.00	12.00	-0.08
9,500.0	49.13	179.78	9,380.2	330.6	-761.7	-276.7	12.00	12.00	-0.07
9,525.0	52.13	179.76	9,396.1	311.3	-761.6	-257.4	12.00	12.00	-0.07
9,550.0	55.13	179.75	9,410.9	291.2	-761.5	-237.4	12.00	12.00	-0.06
9,575.0	58.13	179.73	9,424.6	270.3	-761.5	-216.6	12.00	12.00	-0.06
9,600.0	61.13	179.72	9,437.3	248.7	-761.4	-195.0	12.00	12.00	-0.05
9,625.0	64.13	179.71	9,448.8	226.5	-761.2	-172.9	12.00	12.00	-0.05
9,650.0	67.13	179.69	9,459.1	203.8	-761.1	-150.2	12.00	12.00	-0.05
9,675.0	70.13	179.68	9,468.2	180.5	-761.0	-127.0	12.00	12.00	-0.05
9,700.0	73.13	179.67	9,476.1	156.8	-760.9	-103.3	12.00	12.00	-0.04
9,725.0	76.13	179.66	9,482.7	132.7	-760.7	-79.3	12.00	12.00	-0.04
9,750.0	79.13	179.65	9,488.0	108.3	-760.6	-55.0	12.00	12.00	-0.04
9,775.0	82.13	179.64	9,492.1	83.6	-760.4	-30.4	12.00	12.00	-0.04
9,800.0	85.13	179.63	9,494.9	58.7	-760.3	-5.6	12.00	12.00	-0.04
9,825.0	88.13	179.62	9,496.3	33.8	-760.1	19.3	12.00	12.00	-0.04
9,840.8	90.03	179.61	9,496.6	18.0	-760.0	35.1	12.00	12.00	-0.04
9,900.0	90.03	179.61	9,496.6	-41.2	-759.6	94.1	0.00	0.00	0.00
10,000.0	90.03	179.61	9,496.5	-141.2	-758.9	193.8	0.00	0.00	0.00
10,100.0	90.03	179.61	9,496.5	-241.2	-758.2	293.5	0.00	0.00	0.00
10,200.0	90.03	179.61	9,496.4	-341.2	-757.6	393.2	0.00	0.00	0.00
10,300.0	90.03	179.61	9,496.3	-441.2	-756.9	492.9	0.00	0.00	0.00
10,400.0	90.03	179.61	9,496.3	-541.2	-756.2	592.6	0.00	0.00	0.00
10,500.0	90.03	179.61	9,496.2	-641.2	-755.5	692.3	0.00	0.00	0.00
10,600.0	90.03	179.61	9,496.2	-741.2	-754.9	792.0	0.00	0.00	0.00
10,700.0	90.03	179.61	9,496.1	-841.2	-754.2	891.7	0.00	0.00	0.00
10,800.0	90.03	179.61	9,496.1	-941.2	-753.5	991.4	0.00	0.00	0.00
10,900.0	90.03	179.61	9,496.0	-1,041.2	-752.8	1,091.1	0.00	0.00	0.00
11,000.0	90.03	179.61	9,495.9	-1,141.2	-752.2	1,190.8	0.00	0.00	0.00
11,100.0	90.03	179.61	9,495.9	-1,241.2	-751.5	1,290.6	0.00	0.00	0.00
11,200.0	90.03	179.61	9,495.8	-1,341.2	-750.8	1,390.3	0.00	0.00	0.00
11,300.0	90.03	179.61	9,495.8	-1,441.2	-750.1	1,490.0	0.00	0.00	0.00
11,400.0	90.03	179.61	9,495.7	-1,541.2	-749.5	1,589.7	0.00	0.00	0.00
11,500.0	90.03	179.61	9,495.7	-1,641.2	-748.8	1,689.4	0.00	0.00	0.00
11,600.0	90.03	179.61	9,495.6	-1,741.2	-748.1	1,789.1	0.00	0.00	0.00
11,700.0	90.03	179.61	9,495.6	-1,841.2	-747.5	1,888.8	0.00	0.00	0.00
11,800.0	90.03	179.61	9,495.5	-1,941.2	-746.8	1,988.5	0.00	0.00	0.00
11,900.0	90.03	179.61	9,495.4	-2,041.2	-746.1	2,088.2	0.00	0.00	0.00
12,000.0	90.03	179.61	9,495.4	-2,141.2	-745.4	2,187.9	0.00	0.00	0.00
12,100.0	90.03	179.61	9,495.3	-2,241.2	-744.8	2,287.6	0.00	0.00	0.00
12,200.0	90.03	179.61	9,495.3	-2,341.2	-744.1	2,387.3	0.00	0.00	0.00
12,300.0	90.03	179.61	9,495.2	-2,441.1	-743.4	2,487.0	0.00	0.00	0.00
12,400.0	90.03	179.61	9,495.2	-2,541.1	-742.7	2,586.8	0.00	0.00	0.00
12,500.0	90.03	179.61	9,495.1	-2,641.1	-742.1	2,686.5	0.00	0.00	0.00
12,600.0	90.03	179.61	9,495.0	-2,741.1	-741.4	2,786.2	0.00	0.00	0.00
12,700.0	90.03	179.61	9,495.0	-2,841.1	-740.7	2,885.9	0.00	0.00	0.00
12,800.0	90.03	179.61	9,494.9	-2,941.1	-740.0	2,985.6	0.00	0.00	0.00
12,900.0	90.03	179.61	9,494.9	-3,041.1	-739.4	3,085.3	0.00	0.00	0.00
13,000.0	90.03	179.61	9,494.8	-3,141.1	-738.7	3,185.0	0.00	0.00	0.00
13,100.0	90.03	179.61	9,494.8	-3,241.1	-738.0	3,284.7	0.00	0.00	0.00
13,200.0	90.03	179.61	9,494.7	-3,341.1	-737.3	3,384.4	0.00	0.00	0.00
13,300.0	90.03	179.61	9,494.6	-3,441.1	-736.7	3,484.1	0.00	0.00	0.00

eog resources

EOG Resources

Planning Report

Database:	PEDM	**Local Co-ordinate Reference:**	Well #102H
Company:	Midland	**TVD Reference:**	DO NOT USE @ 3563.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	DO NOT USE @ 3563.0usft
Site:	Yukon 20 Fed Com	**North Reference:**	Grid
Well:	#102H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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)
13,400.0	90.03	179.61	9,494.6	-3,541.1	-736.0	3,583.8	0.00	0.00	0.00
13,500.0	90.03	179.61	9,494.5	-3,641.1	-735.3	3,683.5	0.00	0.00	0.00
13,600.0	90.03	179.61	9,494.5	-3,741.1	-734.6	3,783.2	0.00	0.00	0.00
13,700.0	90.03	179.61	9,494.4	-3,841.1	-734.0	3,882.9	0.00	0.00	0.00
13,800.0	90.03	179.61	9,494.4	-3,941.1	-733.3	3,982.7	0.00	0.00	0.00
13,900.0	90.03	179.61	9,494.3	-4,041.1	-732.6	4,082.4	0.00	0.00	0.00
14,000.0	90.03	179.61	9,494.3	-4,141.1	-731.9	4,182.1	0.00	0.00	0.00
14,100.0	90.03	179.61	9,494.2	-4,241.1	-731.3	4,281.8	0.00	0.00	0.00
14,200.0	90.03	179.61	9,494.1	-4,341.1	-730.6	4,381.5	0.00	0.00	0.00
14,300.0	90.03	179.61	9,494.1	-4,441.1	-729.9	4,481.2	0.00	0.00	0.00
14,400.0	90.03	179.61	9,494.0	-4,541.1	-729.2	4,580.9	0.00	0.00	0.00
14,500.0	90.03	179.61	9,494.0	-4,641.1	-728.6	4,680.6	0.00	0.00	0.00
14,600.0	90.03	179.61	9,493.9	-4,741.1	-727.9	4,780.3	0.00	0.00	0.00
14,700.0	90.03	179.61	9,493.9	-4,841.1	-727.2	4,880.0	0.00	0.00	0.00
14,800.0	90.03	179.61	9,493.8	-4,941.1	-726.5	4,979.7	0.00	0.00	0.00
14,900.0	90.03	179.61	9,493.7	-5,041.1	-725.9	5,079.4	0.00	0.00	0.00
15,000.0	90.03	179.61	9,493.7	-5,141.1	-725.2	5,179.1	0.00	0.00	0.00
15,100.0	90.03	179.61	9,493.6	-5,241.1	-724.5	5,278.8	0.00	0.00	0.00
15,200.0	90.03	179.61	9,493.6	-5,341.1	-723.8	5,378.6	0.00	0.00	0.00
15,300.0	90.03	179.61	9,493.5	-5,441.1	-723.2	5,478.3	0.00	0.00	0.00
15,400.0	90.03	179.61	9,493.5	-5,541.1	-722.5	5,578.0	0.00	0.00	0.00
15,500.0	90.03	179.61	9,493.4	-5,641.1	-721.8	5,677.7	0.00	0.00	0.00
15,600.0	90.03	179.61	9,493.4	-5,741.1	-721.1	5,777.4	0.00	0.00	0.00
15,700.0	90.03	179.61	9,493.3	-5,841.1	-720.5	5,877.1	0.00	0.00	0.00
15,800.0	90.03	179.61	9,493.2	-5,941.1	-719.8	5,976.8	0.00	0.00	0.00
15,900.0	90.03	179.61	9,493.2	-6,041.1	-719.1	6,076.5	0.00	0.00	0.00
16,000.0	90.03	179.61	9,493.1	-6,141.1	-718.4	6,176.2	0.00	0.00	0.00
16,100.0	90.03	179.61	9,493.1	-6,241.1	-717.8	6,275.9	0.00	0.00	0.00
16,200.0	90.03	179.61	9,493.0	-6,341.1	-717.1	6,375.6	0.00	0.00	0.00
16,300.0	90.03	179.61	9,493.0	-6,441.1	-716.4	6,475.3	0.00	0.00	0.00
16,400.0	90.03	179.61	9,492.9	-6,541.1	-715.8	6,575.0	0.00	0.00	0.00
16,500.0	90.03	179.61	9,492.8	-6,641.1	-715.1	6,674.7	0.00	0.00	0.00
16,600.0	90.03	179.61	9,492.8	-6,741.0	-714.4	6,774.5	0.00	0.00	0.00
16,700.0	90.03	179.61	9,492.7	-6,841.0	-713.7	6,874.2	0.00	0.00	0.00
16,800.0	90.03	179.61	9,492.7	-6,941.0	-713.1	6,973.9	0.00	0.00	0.00
16,900.0	90.03	179.61	9,492.6	-7,041.0	-712.4	7,073.6	0.00	0.00	0.00
17,000.0	90.03	179.61	9,492.6	-7,141.0	-711.7	7,173.3	0.00	0.00	0.00
17,100.0	90.03	179.61	9,492.5	-7,241.0	-711.0	7,273.0	0.00	0.00	0.00
17,200.0	90.03	179.61	9,492.5	-7,341.0	-710.4	7,372.7	0.00	0.00	0.00
17,300.0	90.03	179.61	9,492.4	-7,441.0	-709.7	7,472.4	0.00	0.00	0.00
17,400.0	90.03	179.61	9,492.3	-7,541.0	-709.0	7,572.1	0.00	0.00	0.00
17,500.0	90.03	179.61	9,492.3	-7,641.0	-708.3	7,671.8	0.00	0.00	0.00
17,600.0	90.03	179.61	9,492.2	-7,741.0	-707.7	7,771.5	0.00	0.00	0.00
17,700.0	90.03	179.61	9,492.2	-7,841.0	-707.0	7,871.2	0.00	0.00	0.00
17,800.0	90.03	179.61	9,492.1	-7,941.0	-706.3	7,970.9	0.00	0.00	0.00
17,900.0	90.03	179.61	9,492.1	-8,041.0	-705.6	8,070.7	0.00	0.00	0.00
18,000.0	90.03	179.61	9,492.0	-8,141.0	-705.0	8,170.4	0.00	0.00	0.00
18,100.0	90.03	179.61	9,491.9	-8,241.0	-704.3	8,270.1	0.00	0.00	0.00
18,200.0	90.03	179.61	9,491.9	-8,341.0	-703.6	8,369.8	0.00	0.00	0.00
18,300.0	90.03	179.61	9,491.8	-8,441.0	-702.9	8,469.5	0.00	0.00	0.00
18,400.0	90.03	179.61	9,491.8	-8,541.0	-702.3	8,569.2	0.00	0.00	0.00
18,500.0	90.03	179.61	9,491.7	-8,641.0	-701.6	8,668.9	0.00	0.00	0.00
18,600.0	90.03	179.61	9,491.7	-8,741.0	-700.9	8,768.6	0.00	0.00	0.00
18,700.0	90.03	179.61	9,491.6	-8,841.0	-700.2	8,868.3	0.00	0.00	0.00

eog resources

EOG Resources

Planning Report

Database:	PEDM	**Local Co-ordinate Reference:**	Well #102H
Company:	Midland	**TVD Reference:**	DO NOT USE @ 3563.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	DO NOT USE @ 3563.0usft
Site:	Yukon 20 Fed Com	**North Reference:**	Grid
Well:	#102H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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)
18,800.0	90.03	179.61	9,491.5	-8,941.0	-699.6	8,968.0	0.00	0.00	0.00
18,900.0	90.03	179.61	9,491.5	-9,041.0	-698.9	9,067.7	0.00	0.00	0.00
19,000.0	90.03	179.61	9,491.4	-9,141.0	-698.2	9,167.4	0.00	0.00	0.00
19,100.0	90.03	179.61	9,491.4	-9,241.0	-697.5	9,267.1	0.00	0.00	0.00
19,200.0	90.03	179.61	9,491.3	-9,341.0	-696.9	9,366.8	0.00	0.00	0.00
19,300.0	90.03	179.61	9,491.3	-9,441.0	-696.2	9,466.6	0.00	0.00	0.00
19,400.0	90.03	179.61	9,491.2	-9,541.0	-695.5	9,566.3	0.00	0.00	0.00
19,500.0	90.03	179.61	9,491.2	-9,641.0	-694.8	9,666.0	0.00	0.00	0.00
19,600.0	90.03	179.61	9,491.1	-9,741.0	-694.2	9,765.7	0.00	0.00	0.00
19,700.0	90.03	179.61	9,491.0	-9,841.0	-693.5	9,865.4	0.00	0.00	0.00
19,773.0	90.03	179.61	9,491.0	-9,914.0	-693.0	9,938.2	0.00	0.00	0.00

Design Targets

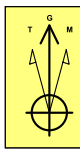
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP(Yukon 20 Fed Com - plan hits target center - Rectangle (sides W50.0 H60.0 D0.0)	0.00	179.62	9,013.5	497.0	-762.0	441,206.00	800,186.00	32° 12' 36.655 N	103° 29' 47.055 W
FTP(Yukon 20 Fed Com - plan hits target center - Point	0.00	0.01	9,229.2	447.0	-762.0	441,156.00	800,186.00	32° 12' 36.160 N	103° 29' 47.059 W
PBHL(Yukon 20 Fed Com #102H) - plan hits target center - Rectangle (sides W60.0 H0.0 D10,354.0)	90.03	179.62	9,491.0	-9,914.0	-693.0	430,795.00	800,255.00	32° 10' 53.632 N	103° 29' 47.195 W
FEDPP(Yukon 20 Fed Com #102H) - plan misses target center by 3.1usft at 14589.9usft MD (9493.9 TVD, -4731.0 N, -728.0 E) - Rectangle (sides W60.0 H0.0 D10,354.0)	90.03	179.62	9,491.0	-4,731.0	-727.0	435,978.00	800,221.00	32° 11' 44.921 N	103° 29' 47.121 W

eog resources

Lea County, NM (NAD 83 NME)

Yukon 20 Fed Com #102H

Plan #0.1



Azimuths to Grid North
True North: -0.45°
Magnetic North: 5.93°

Magnetic Field
Strength: 47372.3nT
Dip Angle: 59.86°
Date: 8/8/2022
Model: IGRF2020

To convert a Magnetic Direction to a Grid Direction, Add 5.93°
To convert a Magnetic Direction to a True Direction, Add 6.37° East
To convert a True Direction to a Grid Direction, Subtract 0.45°

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: #112H

3538.0
DO NOT USE @ 3563.0usft

Northing	Easting	Latitude	Longitude
440709.00	800948.00	32° 12' 31.678 N	103° 29' 38.231 W

SECTION DETAILS

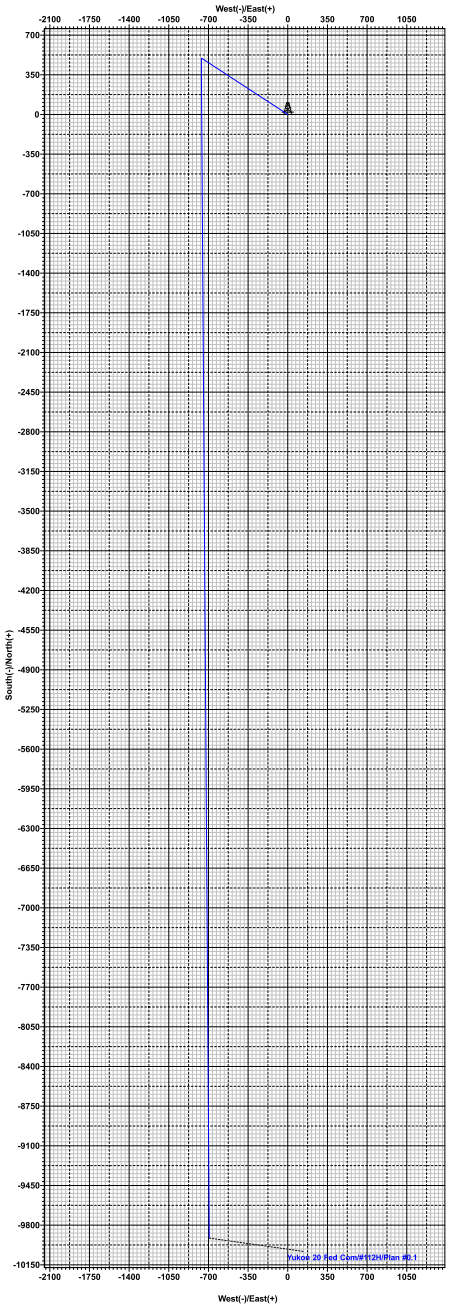
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	1960.1	9.20	303.11	1958.1	20.1	-30.9	2.00	303.11	-17.9	
4	7188.1	9.20	303.11	7118.9	476.9	-731.1	0.00	0.00	-424.7	
5	7648.2	0.00	179.62	7577.0	497.0	-762.0	2.00	180.00	-442.7	
6	9084.7	0.00	179.62	9013.5	497.0	-762.0	0.00	0.00	-442.7	KOP(Yukon 20 Fed Com #102H)
7	9308.1	26.10	180.00	9229.2	447.0	-762.0	11.69	180.00	-392.8	FTP(Yukon 20 Fed Com #102H)
8	9840.8	90.03	179.61	9496.6	18.0	-760.0	12.00	-0.43	35.1	
9	19773.0	90.03	179.61	9491.0	-9914.0	-693.0	0.00	0.00	9938.2	PBHL(Yukon 20 Fed Com #102H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP(Yukon 20 Fed Com #102H)	9013.5	497.0	-762.0	441206.00	800186.00
FTP(Yukon 20 Fed Com #102H)	9229.2	447.0	-762.0	441156.00	800186.00
PBHL(Yukon 20 Fed Com #102H)	9491.0	-9914.0	-693.0	430795.00	800255.00
FEDPP(Yukon 20 Fed Com #102H)	9491.0	-4731.0	-727.0	435978.00	800221.00



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 135247

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 135247
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	MUST SUBMIT NGMP FOR NEW WELL	8/18/2022