Form 3160-3
(June 2015)

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☑ DRILL ☐ REENTER

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

1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☑ Multiple Zone

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

AMAZING 19 FED

8. Lease Name and Well No.
901H [333115]

2. Name of Operator
EOG RESOURCES INCORPORATED [7377]

9. API Well No.
30-025-52133

3a. Address	3b. Phone No. *(include area code)*	10. Field and Pool, or Exploratory
1111 BAGBY SKY LOBBY 2, HOUSTON, TX 77002	(713) 651-7000	XXXXX; PENN [98384]

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface TR B / 341 FNL / 1360 FEL / LAT 32.383364 / LONG -103.709743

At proposed prod. zone TR O / 100 FSL / 1650 FEL / LAT 32.355552 / LONG -103.710653

11. Sec., T. R. M. or Blk. and Survey or Area
SEC 19/T22S/R32E/NMP

14. Distance in miles and direction from nearest town or post office*	12. County or Parish	13. State
	LEA	NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
100 feet		640.0

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file
33 feet	13013 feet / 23223 feet	FED:

21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration
3653 feet	04/01/2021	25 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature	Name *(Printed/Typed)*	Date
(Electronic Submission)	STAR HARRELL / Ph: (713) 651-7000	10/05/2020

Title
Regulatory Specialist

Approved by *(Signature)*	Name *(Printed/Typed)*	Date
(Electronic Submission)	CODY LAYTON / Ph: (575) 234-5959	08/14/2023

Title	Office
Assistant Field Manager Lands & Minerals	Carlsbad Field Office

Application approval 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.
Conditions of approval, if any, are attached.

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.

NGMP Rec 10/19/2023

KZ
10/19/2023

SL

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 08/14/2023

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) 476-3460 Fax: (505) 476-3462

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

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-52133	98384	WC-025 G-09 S243336I; UPPER WOLFCAMP

Property Code	Property Name	Well Number
333115	AMAZING 19 FED	901H

OGRID No.	Operator Name	Elevation
7377	EOG RESOURCES, INC.	3653'

Surface Location

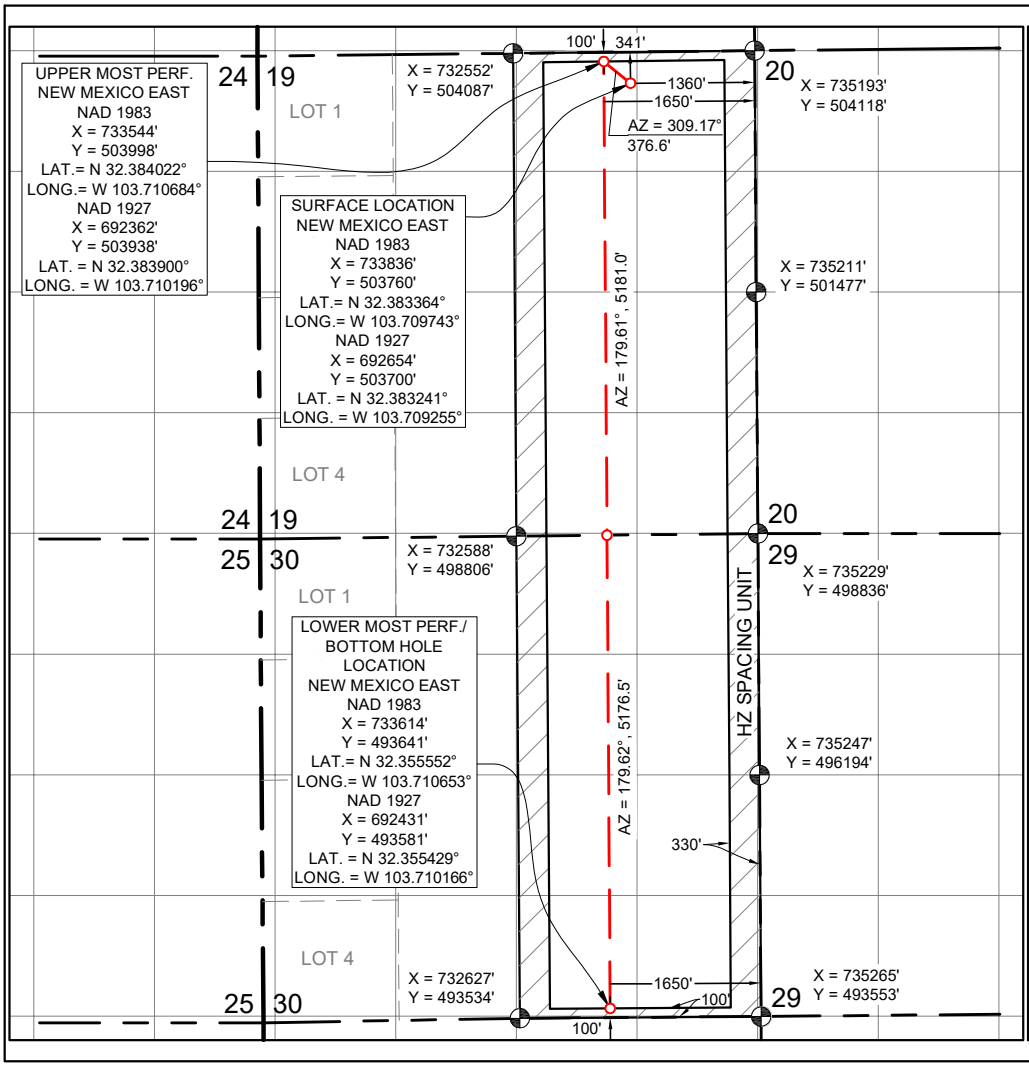
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	19	22 S	32 E		341	NORTH	1360	EAST	LEA

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
O	30	22 S	32 E		100	SOUTH	1650	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidated Code	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.



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 voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Star L Harrell 10/5/20250
Signature Date

Star L Harrell
Print Name

star_harrell@eogresources.com
E-mail Address

SURVEYORS 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.

MAY 15, 2020
Date of Survey

Signature and Seal of Professional Surveyor: 07/01/20

CASEY WAYNE FAIRCLOTH NEW MEXICO 21051 PROFESSIONAL SURVEYOR

Job No.: EOG_200015
CASEY WAYNE FAIRCLOTH, N.M.P.L.S.
Certificate Number 21051

P:\EOG_E\200015\PROD_DATA\CAD\C102 & Wellsite\C-102 Wellsite 12017.dwg, SKIL SON 6/9/2020 10:32 AM

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description
Effective May 25, 2021

I. Operator: ___EOG Resources, Inc._____ **OGRID:** _____7377_____ **Date:** 10/2/2023

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
AMAZING 19 FED COM 1201H	30-025-52133	B-19-22S-32E	341' FNL & 1360' FEL	+/- 1000	+/- 3500	+/- 3000

IV. Central Delivery Point Name: __AMAZING 19 FED COM_____ [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
AMAZING 19 FED COM 1201H		1/15/24	1/31/24	4/01/24	5/01/24	6/01/24

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. ***If Operator checks this box, Operator will select one of the following:***

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- **(a)** power generation on lease;
- **(b)** power generation for grid;
- **(c)** compression on lease;
- **(d)** liquids removal on lease;
- **(e)** reinjection for underground storage;
- **(f)** reinjection for temporary storage;
- **(g)** reinjection for enhanced oil recovery;
- **(h)** fuel cell production; and
- **(i)** other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature: Star L Harrell
Printed Name: Star L Harrell
Title: Sr Regulatory Specialist
E-mail Address: Star_Harrell@eogresources.com
Date: 10/2/2023
Phone: (432) 848-9161

OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
Approved By:
Title:
Approval Date:
Conditions of Approval:

Natural Gas Management Plan
Items VI-VIII

VI. Separation Equipment: Attach a complete description of how Operator will size separation equipment to optimize gas capture.

- Separation equipment will be sized to provide adequate separation for anticipated rates.
- Adequate separation relates to retention time for Liquid – Liquid separation and velocity for Gas-Liquid separation.
- Collection systems are appropriately sized to handle facility production rates on all (3) phases.
- Ancillary equipment and metering is selected to be serviced without flow interruptions or the need to release gas from the well.

VII. Operational Practices: Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F 19.15.27.8 NMAC.

Drilling Operations

- All flare stacks will be properly sized. The flare stacks will be located at a minimum 100' from the nearest surface hole location on the pad.
- All natural gas produced during drilling operations will be flared, unless there is an equipment malfunction and/or to avoid risk of an immediate and substantial adverse impact on safety and the environment, at which point the gas will be vented.

Completions/Recompletions Operations

- New wells will not be flowed back until they are connected to a properly sized gathering system.
- The facility will be built/sized for maximum anticipated flowrates and pressures to minimize waste.
- For flowback operations, multiple stages of separation will be used as well as excess VRU and blowers to make sure waste is minimized off the storage tanks and facility.
- During initial flowback, the well stream will be routed to separation equipment.
- At an existing facility, when necessary, post separation natural gas will be flared until it meets pipeline specifications, at which point it will be turned into a collection system.
- At a new facility, post separation natural gas will be vented until storage tanks can safely function, at which point it will be flared until it meets pipeline spec.

Production Operations

- Weekly AVOs will be performed on all facilities.
- All flares will be equipped with auto-ignition systems and continuous pilot operations.
- After a well is stabilized from liquid unloading, the well will be turned back into the collection system.
- All plunger lift systems will be optimized to limit the amount of waste.
- All tanks will have automatic gauging equipment installed.
- Leaking thief hatches found during AVOs will be cleaned and properly re-sealed.

Performance Standards

- Production equipment will be designed to handle maximum anticipated rates and pressure.
- All flared gas will be combusted in a flare stack that is properly sized and designed to ensure proper combustion.
- Weekly AVOs will be performed on all wells and facilities that produce more than 60 Mcfd.

Measurement & Estimation

- All volume that is flared and vented that is not measured will be estimated.
- All measurement equipment for flared volumes will conform to API 14.10.
- No meter bypasses with be installed.

- When metering is not practical due to low pressure/low rate, the vented or flared volume will be estimated.

VIII. Best Management Practices: Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

- During downhole well maintenance, EOG will use best management practices to vent as minimally as possible.
- Prior to the commencement of any maintenance, the tank or vessel will be isolated from the rest of the facilities.
- All valves upstream of the equipment will be closed and isolated.
- After equipment has been isolated, the equipment will be blown down to as low a pressure as possible into the collection system.
- If the equipment being maintained cannot be relieved into the collection system, it shall be released to a tank where the vapor can either be captured or combusted if possible.
- After downhole well maintenance, natural gas will be flared until it reaches pipeline specification.

EOG RESOURCES, INC.
AMAZING 19 FED #1201H

1. GEOLOGIC NAME OF SURFACE FORMATION:
Permian

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	807’
Tamarisk Anhydrite	895’
Top of Salt	1,356’
Base of Salt	4,352’
Lamar	4,697’
Bell Canyon	4,734’
Cherry Canyon	5,577’
Brushy Canyon	7,096’
Bone Spring Lime	8,573’
Leonard Shale	8,717’
1st Bone Spring Sand	9,659’
2nd Bone Spring Shale	9,898’
2nd Bone Spring Sand	10,345’
3rd Bone Spring Carb	10,810’
3rd Bone Spring Sand	11,423’
Wolfcamp	11,766’
Penn	12,900’
TD	13,013’

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

Upper Permian Sands	0- 400’	Fresh Water
Cherry Canyon	5,577’	Oil
Brushy Canyon	7,096’	Oil
Leonard Shale	8,717’	Oil
1st Bone Spring Sand	9,659’	Oil
2nd Bone Spring Shale	9,898’	Oil
2nd Bone Spring Sand	10,345’	Oil
3rd Bone Spring Carb	10,810’	Oil
3rd Bone Spring Sand	11,423’	Oil
Wolfcamp	11,766’	Oil
Penn	12,900’	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 9.625” casing at 920’ and circulating cement back to surface.

EOG RESOURCES, INC.
AMAZING 19 FED #1201H

4. CASING PROGRAM - NEW

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF_{min} Collapse	DF_{min} Burst	DF_{min} Tension
12.25"	0' – 920'	9.625"	40#	J-55	LTC	1.125	1.25	1.60
8.75"	0' – 10,910'	7.625"	29.7#	HCP-110	FXL	1.125	1.25	1.60
6.75"	0' – 10,410'	5.5"	20#	P-110EC	DWC/C-IS MS	1.125	1.25	1.60
6.75"	10,410'–10,910'	5.5"	20#	P-110EC	VAM SFC	1.125	1.25	1.60
6.75"	10,910' – 23,223'	5.5"	20#	P-110EC	DWC/C-IS MS	1.125	1.25	1.60

Variance is requested to waive 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 waive 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.

Variance is also requested to waive the annular clearance requirements for the 5-1/2" casing by 7-5/8" casing annulus to the proposed top of cement.

EOG requests permission 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 production open hole section.

EOG Resources also requests approval to implement Casing Design B (pg. 8-9). BLM will be notified of elected design at spud.

Cementing Program:

Depth	No. Sacks	Wt. ppg	Yld Ft^3/sk	Slurry Description
920' 9-5/8"	247	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 0.5% $CaCl_2$ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	58	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 720')
10,910' 7-5/8"	454	14.2	1.11	1st Stage (Tail): Class C + 0.6% Halad-9 + 0.45% HR-601 + 3% Microbond (TOC @ 6,896')
	1,000	12.7	2.30	2nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)
23,223' 5-1/2"	1,080	14.2	1.31	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 10,410')

EOG RESOURCES, INC.
AMAZING 19 FED #1201H

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 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 top of cement at the Brushy Canyon (7,096') 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. Once cement circulates to surface drilling operations to drill out of the intermediate shoe will proceed (per clarification from BLM 4/21/2020). The final cement top will be verified by Echo-meter.

EOG will include the Echo-meter verified fluid top 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.

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.

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.

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.

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 – 920’	Fresh - Gel	8.6-8.8	28-34	N/c
920’ – 10,910’	Brine	10.0-10.2	28-34	N/c
10,910’ – 12,543’	Oil Base	8.7-9.4	58-68	N/c - 6
12,543’ – 23,223’ Lateral	Oil Base	10.0-14.0	58-68	3 - 6

The highest mud weight needed to balance formation is expected to be 11.5 ppg. In order to maintain hole stability, mud weights up to 14.0 ppg may be utilized.

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) H_2S monitoring and detection equipment will be utilized from surface casing point to TD.

EOG RESOURCES, INC.
AMAZING 19 FED #1201H

8. LOGGING, TESTING AND CORING PROGRAM:

Open-hole logs are not planned for this well.

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 200 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 9,473 psig and a maximum anticipated surface pressure of 6,611 psig (based on 14.0 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 7,096' 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.

(A) 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 1000 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:

A multi-bowl wellhead system will be utilized.

After running the 9-5/8" surface casing, a 9-5/8" 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.

EOG RESOURCES, INC.
AMAZING 19 FED #1201H

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 1500 psi, whichever is greater.

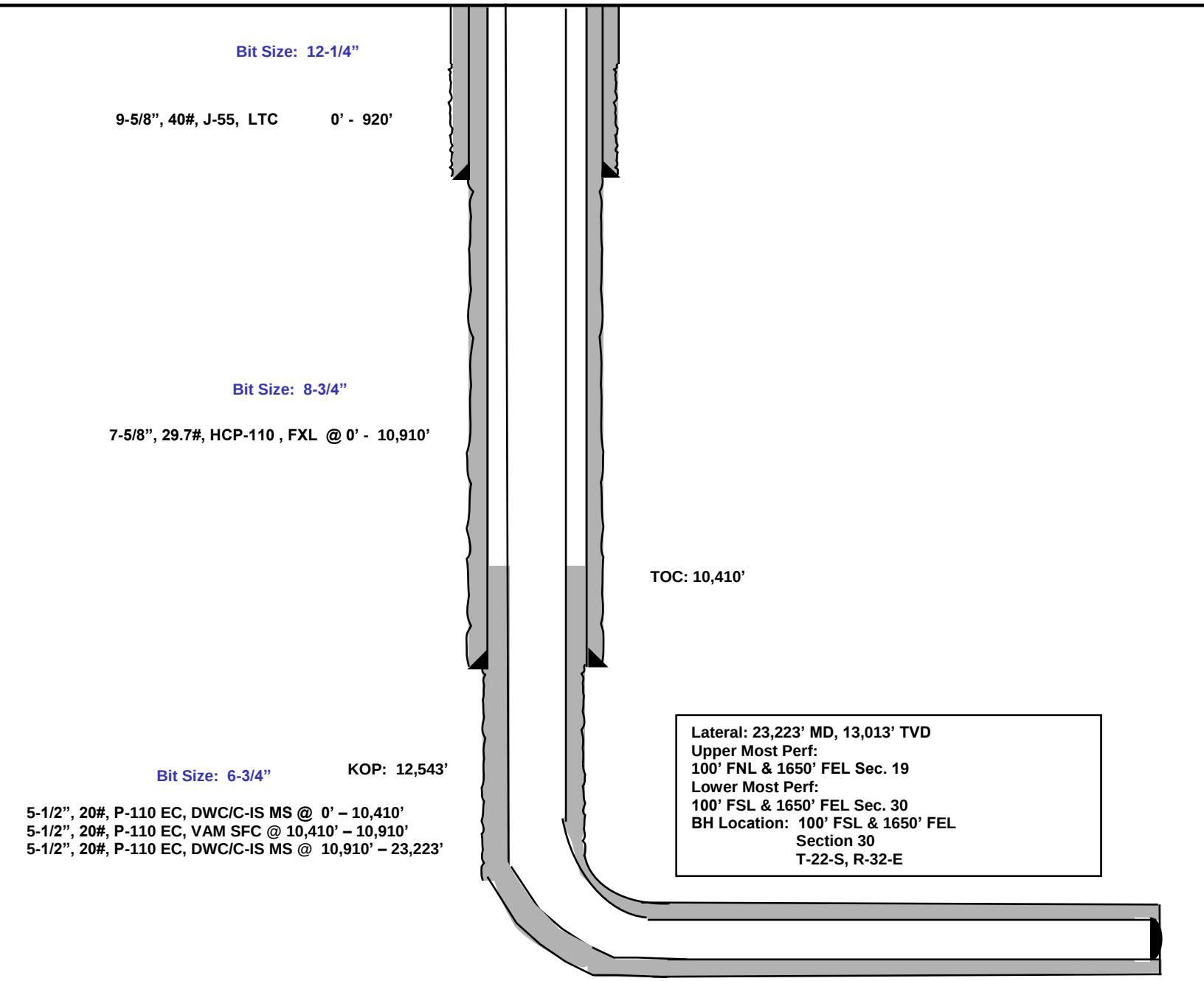
EOG RESOURCES, INC.
AMAZING 19 FED #1201H

341' FNL
1360' FEL
Section 19
T-22-S, R-32-E

Proposed Wellbore
Design A

API: 30-025-***

KB: 3,678'
GL: 3,653'



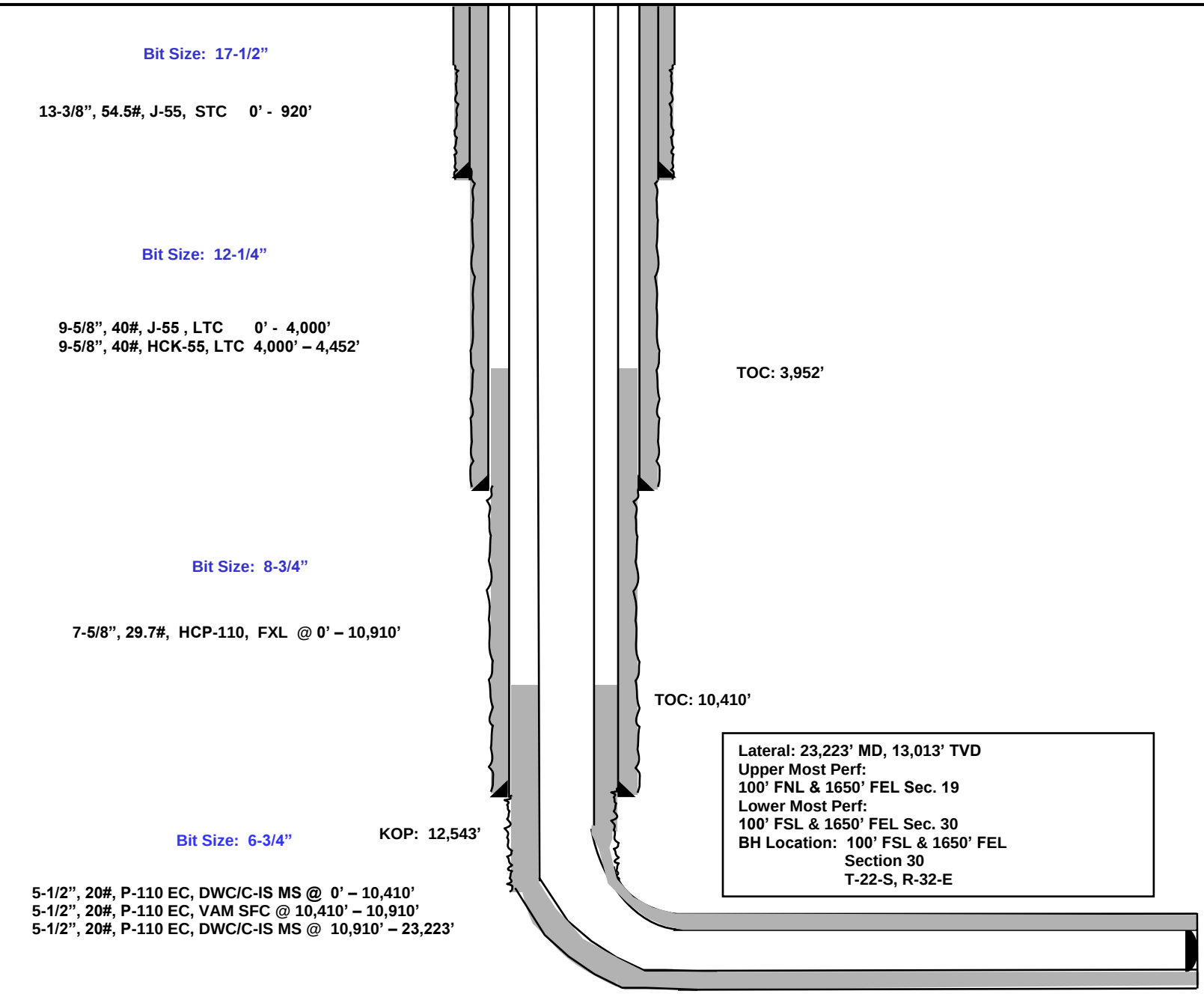
EOG RESOURCES, INC.
AMAZING 19 FED #1201H

341' FNL
1360' FEL
Section 19
T-22-S, R-32-E

Proposed Wellbore
Design B

API: 30-025-***

KB: 3,678'
GL: 3,653'



EOG RESOURCES, INC.
AMAZING 19 FED #1201H

Design B

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF_{min} Collapse	DF_{min} Burst	DF_{min} Tension
17.5"	0 – 920'	13.375"	54.5#	J-55	STC	1.125	1.25	1.60
12.25"	0 – 4,000'	9.625"	40#	J-55	LTC	1.125	1.25	1.60
12.25"	4,000' – 4,452'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0 – 10,910'	7.625"	29.7#	HCP-110	FXL	1.125	1.25	1.60
6.75"	0' – 10,410'	5.5"	20#	P-110EC	DWC/C-IS MS	1.125	1.25	1.60
6.75"	10,410'–10,910'	5.5"	20#	P-110EC	VAM SFC	1.125	1.25	1.60
6.75"	10,910' – 23,223'	5.5"	20#	P-110EC	DWC/C-IS MS	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. lb/gal	Yld Ft^3/sk	Slurry Description
920' 13-3/8"	375	13.5	1.74	Lead: Class C + 4.0% Bentonite Gel + 0.5% $CaCl_2$ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	129	14.8	1.35	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 720')
4,452' 9-5/8"	631	12.7	2.22	Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface)
	264	14.8	1.32	Tail: Class C + 10% NaCl + 3% MagOx (TOC @ 3,562')
10,910' 7-5/8"	186	10.8	3.67	Lead: Class C + 3% CaCl2 + 3% Microbond (TOC @ 3,952')
	79	14.8	2.38	Tail: Class H + 0.6% Halad-9 + 0.45% HR-601 + 3% Microbond (TOC @ 9,410')
23,223' 5-1/2"	1,080	14.8	1.31	Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 10,410')

As a contingency, EOG requests 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 top of cement at the Brushy Canyon (7,096') 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.

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 920'	Fresh - Gel	8.6-8.8	28-34	N/c
920' – 4,452'	Brine	10.0-10.2	28-34	N/c
4,452'– 10,910'	Oil Base	8.7-9.4	58-68	N/c - 6
10,910'– 23,223' Lateral	Oil Base	10.0-14.0	58-68	3 - 6

EOG Resources - Midland

Lea County, NM (NAD 83 NME)
Amazing 19 Fed
#1201H

OH

Plan: Plan #0.1 RT

Standard Planning Report

23 July, 2020

EOG Resources

Planning Report

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #1201H
Company:	EOG Resources - Midland	**TVD Reference:**	kb = 25' @ 3678.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 25' @ 3678.0usft
Site:	Amazing 19 Fed	**North Reference:**	Grid
Well:	#1201H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

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 Amazing 19 Fed

Site Position:		**Northing:**	503,794.00 usft	**Latitude:**	32.3834513°N
From:	Map	**Easting:**	734,151.00 usft	**Longitude:**	103.7087222°W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.33 °

Well #1201H

Well Position	**+N/-S**	-34.0 usft	**Northing:**	503,760.00 usft	**Latitude:**	32.3833629°N
	+E/-W	-315.0 usft	**Easting:**	733,836.00 usft	**Longitude:**	103.7097432°W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,653.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	7/23/2020	6.73	60.06	47,665.67804400

Design Plan #0.1 RT

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	181.26

Plan Survey Tool Program **Date** 7/23/2020

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	23,222.6	Plan #0.1 RT (OH)	EOG MWD+IFR1	
				MWD + IFR1	

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	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,102.7	2.05	314.60	1,102.7	1.3	-1.3	2.00	2.00	0.00	314.60	
12,440.1	2.05	314.60	12,432.8	286.7	-290.7	0.00	0.00	0.00	0.00	
12,542.8	0.00	0.00	12,535.5	288.0	-292.0	2.00	-2.00	0.00	180.00	KOP(Amazing 19 Fed
12,763.3	26.46	180.00	12,748.2	238.0	-292.0	12.00	12.00	81.65	180.00	FTP(Amazing 19 Fed
13,292.8	90.00	179.61	13,012.9	-189.5	-290.0	12.00	12.00	-0.07	-0.44	
23,222.6	90.00	179.61	13,013.0	-10,119.0	-222.0	0.00	0.00	0.00	0.00	PBHL(Amazing 19 Fe

EOG Resources

Planning Report

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #1201H
Company:	EOG Resources - Midland	**TVD Reference:**	kb = 25' @ 3678.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 25' @ 3678.0usft
Site:	Amazing 19 Fed	**North Reference:**	Grid
Well:	#1201H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

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
1,102.7	2.05	314.60	1,102.7	1.3	-1.3	-1.3	2.00	2.00	0.00
1,200.0	2.05	314.60	1,199.9	3.7	-3.8	-3.7	0.00	0.00	0.00
1,300.0	2.05	314.60	1,299.9	6.3	-6.3	-6.1	0.00	0.00	0.00
1,400.0	2.05	314.60	1,399.8	8.8	-8.9	-8.6	0.00	0.00	0.00
1,500.0	2.05	314.60	1,499.7	11.3	-11.5	-11.0	0.00	0.00	0.00
1,600.0	2.05	314.60	1,599.7	13.8	-14.0	-13.5	0.00	0.00	0.00
1,700.0	2.05	314.60	1,699.6	16.3	-16.6	-16.0	0.00	0.00	0.00
1,800.0	2.05	314.60	1,799.5	18.8	-19.1	-18.4	0.00	0.00	0.00
1,900.0	2.05	314.60	1,899.5	21.4	-21.7	-20.9	0.00	0.00	0.00
2,000.0	2.05	314.60	1,999.4	23.9	-24.2	-23.3	0.00	0.00	0.00
2,100.0	2.05	314.60	2,099.3	26.4	-26.8	-25.8	0.00	0.00	0.00
2,200.0	2.05	314.60	2,199.3	28.9	-29.3	-28.3	0.00	0.00	0.00
2,300.0	2.05	314.60	2,299.2	31.4	-31.9	-30.7	0.00	0.00	0.00
2,400.0	2.05	314.60	2,399.1	34.0	-34.4	-33.2	0.00	0.00	0.00
2,500.0	2.05	314.60	2,499.1	36.5	-37.0	-35.6	0.00	0.00	0.00
2,600.0	2.05	314.60	2,599.0	39.0	-39.5	-38.1	0.00	0.00	0.00
2,700.0	2.05	314.60	2,699.0	41.5	-42.1	-40.6	0.00	0.00	0.00
2,800.0	2.05	314.60	2,798.9	44.0	-44.6	-43.0	0.00	0.00	0.00
2,900.0	2.05	314.60	2,898.8	46.5	-47.2	-45.5	0.00	0.00	0.00
3,000.0	2.05	314.60	2,998.8	49.1	-49.7	-48.0	0.00	0.00	0.00
3,100.0	2.05	314.60	3,098.7	51.6	-52.3	-50.4	0.00	0.00	0.00
3,200.0	2.05	314.60	3,198.6	54.1	-54.8	-52.9	0.00	0.00	0.00
3,300.0	2.05	314.60	3,298.6	56.6	-57.4	-55.3	0.00	0.00	0.00
3,400.0	2.05	314.60	3,398.5	59.1	-59.9	-57.8	0.00	0.00	0.00
3,500.0	2.05	314.60	3,498.4	61.6	-62.5	-60.3	0.00	0.00	0.00
3,600.0	2.05	314.60	3,598.4	64.2	-65.1	-62.7	0.00	0.00	0.00
3,700.0	2.05	314.60	3,698.3	66.7	-67.6	-65.2	0.00	0.00	0.00
3,800.0	2.05	314.60	3,798.2	69.2	-70.2	-67.6	0.00	0.00	0.00
3,900.0	2.05	314.60	3,898.2	71.7	-72.7	-70.1	0.00	0.00	0.00
4,000.0	2.05	314.60	3,998.1	74.2	-75.3	-72.6	0.00	0.00	0.00
4,100.0	2.05	314.60	4,098.1	76.7	-77.8	-75.0	0.00	0.00	0.00
4,200.0	2.05	314.60	4,198.0	79.3	-80.4	-77.5	0.00	0.00	0.00
4,300.0	2.05	314.60	4,297.9	81.8	-82.9	-79.9	0.00	0.00	0.00
4,400.0	2.05	314.60	4,397.9	84.3	-85.5	-82.4	0.00	0.00	0.00
4,500.0	2.05	314.60	4,497.8	86.8	-88.0	-84.9	0.00	0.00	0.00
4,600.0	2.05	314.60	4,597.7	89.3	-90.6	-87.3	0.00	0.00	0.00
4,700.0	2.05	314.60	4,697.7	91.9	-93.1	-89.8	0.00	0.00	0.00
4,800.0	2.05	314.60	4,797.6	94.4	-95.7	-92.2	0.00	0.00	0.00
4,900.0	2.05	314.60	4,897.5	96.9	-98.2	-94.7	0.00	0.00	0.00
5,000.0	2.05	314.60	4,997.5	99.4	-100.8	-97.2	0.00	0.00	0.00
5,100.0	2.05	314.60	5,097.4	101.9	-103.3	-99.6	0.00	0.00	0.00
5,200.0	2.05	314.60	5,197.3	104.4	-105.9	-102.1	0.00	0.00	0.00
5,300.0	2.05	314.60	5,297.3	107.0	-108.4	-104.6	0.00	0.00	0.00

EOG Resources

Planning Report

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #1201H
Company:	EOG Resources - Midland	**TVD Reference:**	kb = 25' @ 3678.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 25' @ 3678.0usft
Site:	Amazing 19 Fed	**North Reference:**	Grid
Well:	#1201H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

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	2.05	314.60	5,397.2	109.5	-111.0	-107.0	0.00	0.00	0.00
5,500.0	2.05	314.60	5,497.2	112.0	-113.5	-109.5	0.00	0.00	0.00
5,600.0	2.05	314.60	5,597.1	114.5	-116.1	-111.9	0.00	0.00	0.00
5,700.0	2.05	314.60	5,697.0	117.0	-118.7	-114.4	0.00	0.00	0.00
5,800.0	2.05	314.60	5,797.0	119.5	-121.2	-116.9	0.00	0.00	0.00
5,900.0	2.05	314.60	5,896.9	122.1	-123.8	-119.3	0.00	0.00	0.00
6,000.0	2.05	314.60	5,996.8	124.6	-126.3	-121.8	0.00	0.00	0.00
6,100.0	2.05	314.60	6,096.8	127.1	-128.9	-124.2	0.00	0.00	0.00
6,200.0	2.05	314.60	6,196.7	129.6	-131.4	-126.7	0.00	0.00	0.00
6,300.0	2.05	314.60	6,296.6	132.1	-134.0	-129.2	0.00	0.00	0.00
6,400.0	2.05	314.60	6,396.6	134.6	-136.5	-131.6	0.00	0.00	0.00
6,500.0	2.05	314.60	6,496.5	137.2	-139.1	-134.1	0.00	0.00	0.00
6,600.0	2.05	314.60	6,596.4	139.7	-141.6	-136.5	0.00	0.00	0.00
6,700.0	2.05	314.60	6,696.4	142.2	-144.2	-139.0	0.00	0.00	0.00
6,800.0	2.05	314.60	6,796.3	144.7	-146.7	-141.5	0.00	0.00	0.00
6,900.0	2.05	314.60	6,896.3	147.2	-149.3	-143.9	0.00	0.00	0.00
7,000.0	2.05	314.60	6,996.2	149.8	-151.8	-146.4	0.00	0.00	0.00
7,100.0	2.05	314.60	7,096.1	152.3	-154.4	-148.8	0.00	0.00	0.00
7,200.0	2.05	314.60	7,196.1	154.8	-156.9	-151.3	0.00	0.00	0.00
7,300.0	2.05	314.60	7,296.0	157.3	-159.5	-153.8	0.00	0.00	0.00
7,400.0	2.05	314.60	7,395.9	159.8	-162.0	-156.2	0.00	0.00	0.00
7,500.0	2.05	314.60	7,495.9	162.3	-164.6	-158.7	0.00	0.00	0.00
7,600.0	2.05	314.60	7,595.8	164.9	-167.1	-161.2	0.00	0.00	0.00
7,700.0	2.05	314.60	7,695.7	167.4	-169.7	-163.6	0.00	0.00	0.00
7,800.0	2.05	314.60	7,795.7	169.9	-172.3	-166.1	0.00	0.00	0.00
7,900.0	2.05	314.60	7,895.6	172.4	-174.8	-168.5	0.00	0.00	0.00
8,000.0	2.05	314.60	7,995.5	174.9	-177.4	-171.0	0.00	0.00	0.00
8,100.0	2.05	314.60	8,095.5	177.4	-179.9	-173.5	0.00	0.00	0.00
8,200.0	2.05	314.60	8,195.4	180.0	-182.5	-175.9	0.00	0.00	0.00
8,300.0	2.05	314.60	8,295.4	182.5	-185.0	-178.4	0.00	0.00	0.00
8,400.0	2.05	314.60	8,395.3	185.0	-187.6	-180.8	0.00	0.00	0.00
8,500.0	2.05	314.60	8,495.2	187.5	-190.1	-183.3	0.00	0.00	0.00
8,600.0	2.05	314.60	8,595.2	190.0	-192.7	-185.8	0.00	0.00	0.00
8,700.0	2.05	314.60	8,695.1	192.6	-195.2	-188.2	0.00	0.00	0.00
8,800.0	2.05	314.60	8,795.0	195.1	-197.8	-190.7	0.00	0.00	0.00
8,900.0	2.05	314.60	8,895.0	197.6	-200.3	-193.1	0.00	0.00	0.00
9,000.0	2.05	314.60	8,994.9	200.1	-202.9	-195.6	0.00	0.00	0.00
9,100.0	2.05	314.60	9,094.8	202.6	-205.4	-198.1	0.00	0.00	0.00
9,200.0	2.05	314.60	9,194.8	205.1	-208.0	-200.5	0.00	0.00	0.00
9,300.0	2.05	314.60	9,294.7	207.7	-210.5	-203.0	0.00	0.00	0.00
9,400.0	2.05	314.60	9,394.6	210.2	-213.1	-205.4	0.00	0.00	0.00
9,500.0	2.05	314.60	9,494.6	212.7	-215.6	-207.9	0.00	0.00	0.00
9,600.0	2.05	314.60	9,594.5	215.2	-218.2	-210.4	0.00	0.00	0.00
9,700.0	2.05	314.60	9,694.5	217.7	-220.7	-212.8	0.00	0.00	0.00
9,800.0	2.05	314.60	9,794.4	220.2	-223.3	-215.3	0.00	0.00	0.00
9,900.0	2.05	314.60	9,894.3	222.8	-225.9	-217.8	0.00	0.00	0.00
10,000.0	2.05	314.60	9,994.3	225.3	-228.4	-220.2	0.00	0.00	0.00
10,100.0	2.05	314.60	10,094.2	227.8	-231.0	-222.7	0.00	0.00	0.00
10,200.0	2.05	314.60	10,194.1	230.3	-233.5	-225.1	0.00	0.00	0.00
10,300.0	2.05	314.60	10,294.1	232.8	-236.1	-227.6	0.00	0.00	0.00
10,400.0	2.05	314.60	10,394.0	235.3	-238.6	-230.1	0.00	0.00	0.00
10,500.0	2.05	314.60	10,493.9	237.9	-241.2	-232.5	0.00	0.00	0.00
10,600.0	2.05	314.60	10,593.9	240.4	-243.7	-235.0	0.00	0.00	0.00
10,700.0	2.05	314.60	10,693.8	242.9	-246.3	-237.4	0.00	0.00	0.00

EOG Resources

Planning Report

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #1201H
Company:	EOG Resources - Midland	**TVD Reference:**	kb = 25' @ 3678.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 25' @ 3678.0usft
Site:	Amazing 19 Fed	**North Reference:**	Grid
Well:	#1201H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

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)
10,800.0	2.05	314.60	10,793.7	245.4	-248.8	-239.9	0.00	0.00	0.00
10,900.0	2.05	314.60	10,893.7	247.9	-251.4	-242.4	0.00	0.00	0.00
11,000.0	2.05	314.60	10,993.6	250.5	-253.9	-244.8	0.00	0.00	0.00
11,100.0	2.05	314.60	11,093.6	253.0	-256.5	-247.3	0.00	0.00	0.00
11,200.0	2.05	314.60	11,193.5	255.5	-259.0	-249.7	0.00	0.00	0.00
11,300.0	2.05	314.60	11,293.4	258.0	-261.6	-252.2	0.00	0.00	0.00
11,400.0	2.05	314.60	11,393.4	260.5	-264.1	-254.7	0.00	0.00	0.00
11,500.0	2.05	314.60	11,493.3	263.0	-266.7	-257.1	0.00	0.00	0.00
11,600.0	2.05	314.60	11,593.2	265.6	-269.2	-259.6	0.00	0.00	0.00
11,700.0	2.05	314.60	11,693.2	268.1	-271.8	-262.0	0.00	0.00	0.00
11,800.0	2.05	314.60	11,793.1	270.6	-274.4	-264.5	0.00	0.00	0.00
11,900.0	2.05	314.60	11,893.0	273.1	-276.9	-267.0	0.00	0.00	0.00
12,000.0	2.05	314.60	11,993.0	275.6	-279.5	-269.4	0.00	0.00	0.00
12,100.0	2.05	314.60	12,092.9	278.1	-282.0	-271.9	0.00	0.00	0.00
12,200.0	2.05	314.60	12,192.8	280.7	-284.6	-274.4	0.00	0.00	0.00
12,300.0	2.05	314.60	12,292.8	283.2	-287.1	-276.8	0.00	0.00	0.00
12,400.0	2.05	314.60	12,392.7	285.7	-289.7	-279.3	0.00	0.00	0.00
12,440.1	2.05	314.60	12,432.8	286.7	-290.7	-280.3	0.00	0.00	0.00
12,500.0	0.86	314.60	12,492.7	287.8	-291.8	-281.3	2.00	-2.00	0.00
12,542.8	0.00	0.00	12,535.5	288.0	-292.0	-281.5	2.00	-2.00	0.00
12,550.0	0.86	180.00	12,542.7	287.9	-292.0	-281.5	12.00	12.00	0.00
12,575.0	3.86	180.00	12,567.6	286.9	-292.0	-280.4	12.00	12.00	0.00
12,600.0	6.86	180.00	12,592.5	284.6	-292.0	-278.1	12.00	12.00	0.00
12,625.0	9.86	180.00	12,617.3	280.9	-292.0	-274.5	12.00	12.00	0.00
12,650.0	12.86	180.00	12,641.8	276.0	-292.0	-269.6	12.00	12.00	0.00
12,675.0	15.86	180.00	12,666.0	269.8	-292.0	-263.4	12.00	12.00	0.00
12,700.0	18.86	180.00	12,689.8	262.4	-292.0	-255.9	12.00	12.00	0.00
12,725.0	21.86	180.00	12,713.3	253.7	-292.0	-247.2	12.00	12.00	0.00
12,750.0	24.86	180.00	12,736.2	243.8	-292.0	-237.3	12.00	12.00	0.00
12,763.3	26.46	180.00	12,748.2	238.0	-292.0	-231.5	12.00	12.00	0.00
12,775.0	27.86	179.98	12,758.6	232.7	-292.0	-226.2	12.00	12.00	-0.20
12,800.0	30.86	179.93	12,780.4	220.4	-292.0	-213.9	12.00	12.00	-0.17
12,825.0	33.86	179.90	12,801.5	207.0	-292.0	-200.6	12.00	12.00	-0.14
12,850.0	36.86	179.87	12,821.9	192.5	-291.9	-186.1	12.00	12.00	-0.12
12,875.0	39.86	179.84	12,841.5	177.0	-291.9	-170.6	12.00	12.00	-0.11
12,900.0	42.86	179.82	12,860.3	160.5	-291.9	-154.1	12.00	12.00	-0.09
12,925.0	45.86	179.80	12,878.1	143.0	-291.8	-136.6	12.00	12.00	-0.08
12,950.0	48.86	179.78	12,895.1	124.6	-291.7	-118.2	12.00	12.00	-0.08
12,975.0	51.86	179.76	12,911.0	105.4	-291.6	-99.0	12.00	12.00	-0.07
13,000.0	54.86	179.75	12,925.9	85.3	-291.6	-78.9	12.00	12.00	-0.06
13,025.0	57.86	179.73	12,939.8	64.5	-291.5	-58.1	12.00	12.00	-0.06
13,050.0	60.86	179.72	12,952.5	43.0	-291.4	-36.6	12.00	12.00	-0.06
13,075.0	63.86	179.70	12,964.1	20.9	-291.2	-14.5	12.00	12.00	-0.05
13,100.0	66.86	179.69	12,974.5	-1.8	-291.1	8.2	12.00	12.00	-0.05
13,125.0	69.86	179.68	12,983.8	-25.1	-291.0	31.5	12.00	12.00	-0.05
13,150.0	72.86	179.67	12,991.7	-48.8	-290.9	55.1	12.00	12.00	-0.05
13,175.0	75.86	179.66	12,998.5	-72.8	-290.7	79.2	12.00	12.00	-0.04
13,200.0	78.86	179.65	13,004.0	-97.2	-290.6	103.6	12.00	12.00	-0.04
13,225.0	81.86	179.64	13,008.1	-121.9	-290.4	128.2	12.00	12.00	-0.04
13,250.0	84.86	179.63	13,011.0	-146.7	-290.3	153.0	12.00	12.00	-0.04
13,275.0	87.86	179.62	13,012.6	-171.6	-290.1	178.0	12.00	12.00	-0.04
13,292.8	90.00	179.61	13,012.9	-189.5	-290.0	195.8	12.00	12.00	-0.04
13,300.0	90.00	179.61	13,012.9	-196.6	-289.9	203.0	0.00	0.00	0.00
13,400.0	90.00	179.61	13,012.9	-296.6	-289.2	302.9	0.00	0.00	0.00

EOG Resources

Planning Report

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #1201H
Company:	EOG Resources - Midland	**TVD Reference:**	kb = 25' @ 3678.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 25' @ 3678.0usft
Site:	Amazing 19 Fed	**North Reference:**	Grid
Well:	#1201H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

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	179.61	13,012.9	-396.6	-288.6	402.9	0.00	0.00	0.00
13,600.0	90.00	179.61	13,012.9	-496.6	-287.9	502.8	0.00	0.00	0.00
13,700.0	90.00	179.61	13,012.9	-596.6	-287.2	602.8	0.00	0.00	0.00
13,800.0	90.00	179.61	13,012.9	-696.6	-286.5	702.7	0.00	0.00	0.00
13,900.0	90.00	179.61	13,012.9	-796.6	-285.8	802.7	0.00	0.00	0.00
14,000.0	90.00	179.61	13,012.9	-896.6	-285.1	902.7	0.00	0.00	0.00
14,100.0	90.00	179.61	13,012.9	-996.6	-284.4	1,002.6	0.00	0.00	0.00
14,200.0	90.00	179.61	13,012.9	-1,096.6	-283.8	1,102.6	0.00	0.00	0.00
14,300.0	90.00	179.61	13,013.0	-1,196.6	-283.1	1,202.5	0.00	0.00	0.00
14,400.0	90.00	179.61	13,013.0	-1,296.6	-282.4	1,302.5	0.00	0.00	0.00
14,500.0	90.00	179.61	13,013.0	-1,396.6	-281.7	1,402.5	0.00	0.00	0.00
14,600.0	90.00	179.61	13,013.0	-1,496.6	-281.0	1,502.4	0.00	0.00	0.00
14,700.0	90.00	179.61	13,013.0	-1,596.6	-280.3	1,602.4	0.00	0.00	0.00
14,800.0	90.00	179.61	13,013.0	-1,696.6	-279.7	1,702.3	0.00	0.00	0.00
14,900.0	90.00	179.61	13,013.0	-1,796.6	-279.0	1,802.3	0.00	0.00	0.00
15,000.0	90.00	179.61	13,013.0	-1,896.6	-278.3	1,902.3	0.00	0.00	0.00
15,100.0	90.00	179.61	13,013.0	-1,996.6	-277.6	2,002.2	0.00	0.00	0.00
15,200.0	90.00	179.61	13,013.0	-2,096.6	-276.9	2,102.2	0.00	0.00	0.00
15,300.0	90.00	179.61	13,013.0	-2,196.6	-276.2	2,202.1	0.00	0.00	0.00
15,400.0	90.00	179.61	13,013.0	-2,296.6	-275.6	2,302.1	0.00	0.00	0.00
15,500.0	90.00	179.61	13,013.0	-2,396.6	-274.9	2,402.0	0.00	0.00	0.00
15,600.0	90.00	179.61	13,013.0	-2,496.6	-274.2	2,502.0	0.00	0.00	0.00
15,700.0	90.00	179.61	13,013.0	-2,596.6	-273.5	2,602.0	0.00	0.00	0.00
15,800.0	90.00	179.61	13,013.0	-2,696.6	-272.8	2,701.9	0.00	0.00	0.00
15,900.0	90.00	179.61	13,013.0	-2,796.6	-272.1	2,801.9	0.00	0.00	0.00
16,000.0	90.00	179.61	13,013.0	-2,896.6	-271.4	2,901.8	0.00	0.00	0.00
16,100.0	90.00	179.61	13,013.0	-2,996.6	-270.8	3,001.8	0.00	0.00	0.00
16,200.0	90.00	179.61	13,013.0	-3,096.6	-270.1	3,101.8	0.00	0.00	0.00
16,300.0	90.00	179.61	13,013.0	-3,196.6	-269.4	3,201.7	0.00	0.00	0.00
16,400.0	90.00	179.61	13,013.0	-3,296.6	-268.7	3,301.7	0.00	0.00	0.00
16,500.0	90.00	179.61	13,013.0	-3,396.6	-268.0	3,401.6	0.00	0.00	0.00
16,600.0	90.00	179.61	13,013.0	-3,496.6	-267.3	3,501.6	0.00	0.00	0.00
16,700.0	90.00	179.61	13,013.0	-3,596.6	-266.7	3,601.5	0.00	0.00	0.00
16,800.0	90.00	179.61	13,013.0	-3,696.6	-266.0	3,701.5	0.00	0.00	0.00
16,900.0	90.00	179.61	13,013.0	-3,796.6	-265.3	3,801.5	0.00	0.00	0.00
17,000.0	90.00	179.61	13,013.0	-3,896.6	-264.6	3,901.4	0.00	0.00	0.00
17,100.0	90.00	179.61	13,013.0	-3,996.6	-263.9	4,001.4	0.00	0.00	0.00
17,200.0	90.00	179.61	13,013.0	-4,096.6	-263.2	4,101.3	0.00	0.00	0.00
17,300.0	90.00	179.61	13,013.0	-4,196.6	-262.5	4,201.3	0.00	0.00	0.00
17,400.0	90.00	179.61	13,013.0	-4,296.5	-261.9	4,301.3	0.00	0.00	0.00
17,500.0	90.00	179.61	13,013.0	-4,396.5	-261.2	4,401.2	0.00	0.00	0.00
17,600.0	90.00	179.61	13,013.0	-4,496.5	-260.5	4,501.2	0.00	0.00	0.00
17,700.0	90.00	179.61	13,013.0	-4,596.5	-259.8	4,601.1	0.00	0.00	0.00
17,800.0	90.00	179.61	13,013.0	-4,696.5	-259.1	4,701.1	0.00	0.00	0.00
17,900.0	90.00	179.61	13,013.0	-4,796.5	-258.4	4,801.1	0.00	0.00	0.00
18,000.0	90.00	179.61	13,013.0	-4,896.5	-257.8	4,901.0	0.00	0.00	0.00
18,100.0	90.00	179.61	13,013.0	-4,996.5	-257.1	5,001.0	0.00	0.00	0.00
18,200.0	90.00	179.61	13,013.0	-5,096.5	-256.4	5,100.9	0.00	0.00	0.00
18,300.0	90.00	179.61	13,013.0	-5,196.5	-255.7	5,200.9	0.00	0.00	0.00
18,400.0	90.00	179.61	13,013.0	-5,296.5	-255.0	5,300.8	0.00	0.00	0.00
18,500.0	90.00	179.61	13,013.0	-5,396.5	-254.3	5,400.8	0.00	0.00	0.00
18,600.0	90.00	179.61	13,013.0	-5,496.5	-253.6	5,500.8	0.00	0.00	0.00
18,700.0	90.00	179.61	13,013.0	-5,596.5	-253.0	5,600.7	0.00	0.00	0.00
18,800.0	90.00	179.61	13,013.0	-5,696.5	-252.3	5,700.7	0.00	0.00	0.00

EOG Resources
Planning Report

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #1201H
Company:	EOG Resources - Midland	**TVD Reference:**	kb = 25' @ 3678.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 25' @ 3678.0usft
Site:	Amazing 19 Fed	**North Reference:**	Grid
Well:	#1201H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

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)
18,900.0	90.00	179.61	13,013.0	-5,796.5	-251.6	5,800.6	0.00	0.00	0.00
19,000.0	90.00	179.61	13,013.0	-5,896.5	-250.9	5,900.6	0.00	0.00	0.00
19,100.0	90.00	179.61	13,013.0	-5,996.5	-250.2	6,000.6	0.00	0.00	0.00
19,200.0	90.00	179.61	13,013.0	-6,096.5	-249.5	6,100.5	0.00	0.00	0.00
19,300.0	90.00	179.61	13,013.0	-6,196.5	-248.9	6,200.5	0.00	0.00	0.00
19,400.0	90.00	179.61	13,013.0	-6,296.5	-248.2	6,300.4	0.00	0.00	0.00
19,500.0	90.00	179.61	13,013.0	-6,396.5	-247.5	6,400.4	0.00	0.00	0.00
19,600.0	90.00	179.61	13,013.0	-6,496.5	-246.8	6,500.3	0.00	0.00	0.00
19,700.0	90.00	179.61	13,013.0	-6,596.5	-246.1	6,600.3	0.00	0.00	0.00
19,800.0	90.00	179.61	13,013.0	-6,696.5	-245.4	6,700.3	0.00	0.00	0.00
19,900.0	90.00	179.61	13,013.0	-6,796.5	-244.7	6,800.2	0.00	0.00	0.00
20,000.0	90.00	179.61	13,013.0	-6,896.5	-244.1	6,900.2	0.00	0.00	0.00
20,100.0	90.00	179.61	13,013.0	-6,996.5	-243.4	7,000.1	0.00	0.00	0.00
20,200.0	90.00	179.61	13,013.0	-7,096.5	-242.7	7,100.1	0.00	0.00	0.00
20,300.0	90.00	179.61	13,013.0	-7,196.5	-242.0	7,200.1	0.00	0.00	0.00
20,400.0	90.00	179.61	13,013.0	-7,296.5	-241.3	7,300.0	0.00	0.00	0.00
20,500.0	90.00	179.61	13,013.0	-7,396.5	-240.6	7,400.0	0.00	0.00	0.00
20,600.0	90.00	179.61	13,013.0	-7,496.5	-240.0	7,499.9	0.00	0.00	0.00
20,700.0	90.00	179.61	13,013.0	-7,596.5	-239.3	7,599.9	0.00	0.00	0.00
20,800.0	90.00	179.61	13,013.0	-7,696.5	-238.6	7,699.8	0.00	0.00	0.00
20,900.0	90.00	179.61	13,013.0	-7,796.5	-237.9	7,799.8	0.00	0.00	0.00
21,000.0	90.00	179.61	13,013.0	-7,896.5	-237.2	7,899.8	0.00	0.00	0.00
21,100.0	90.00	179.61	13,013.0	-7,996.5	-236.5	7,999.7	0.00	0.00	0.00
21,200.0	90.00	179.61	13,013.0	-8,096.5	-235.8	8,099.7	0.00	0.00	0.00
21,300.0	90.00	179.61	13,013.0	-8,196.5	-235.2	8,199.6	0.00	0.00	0.00
21,400.0	90.00	179.61	13,013.0	-8,296.5	-234.5	8,299.6	0.00	0.00	0.00
21,500.0	90.00	179.61	13,013.0	-8,396.5	-233.8	8,399.6	0.00	0.00	0.00
21,600.0	90.00	179.61	13,013.0	-8,496.4	-233.1	8,499.5	0.00	0.00	0.00
21,700.0	90.00	179.61	13,013.0	-8,596.4	-232.4	8,599.5	0.00	0.00	0.00
21,800.0	90.00	179.61	13,013.0	-8,696.4	-231.7	8,699.4	0.00	0.00	0.00
21,900.0	90.00	179.61	13,013.0	-8,796.4	-231.1	8,799.4	0.00	0.00	0.00
22,000.0	90.00	179.61	13,013.0	-8,896.4	-230.4	8,899.4	0.00	0.00	0.00
22,100.0	90.00	179.61	13,013.0	-8,996.4	-229.7	8,999.3	0.00	0.00	0.00
22,200.0	90.00	179.61	13,013.0	-9,096.4	-229.0	9,099.3	0.00	0.00	0.00
22,300.0	90.00	179.61	13,013.0	-9,196.4	-228.3	9,199.2	0.00	0.00	0.00
22,400.0	90.00	179.61	13,013.0	-9,296.4	-227.6	9,299.2	0.00	0.00	0.00
22,500.0	90.00	179.61	13,013.0	-9,396.4	-226.9	9,399.1	0.00	0.00	0.00
22,600.0	90.00	179.61	13,013.0	-9,496.4	-226.3	9,499.1	0.00	0.00	0.00
22,700.0	90.00	179.61	13,013.0	-9,596.4	-225.6	9,599.1	0.00	0.00	0.00
22,800.0	90.00	179.61	13,013.0	-9,696.4	-224.9	9,699.0	0.00	0.00	0.00
22,900.0	90.00	179.61	13,013.0	-9,796.4	-224.2	9,799.0	0.00	0.00	0.00
23,000.0	90.00	179.61	13,013.0	-9,896.4	-223.5	9,898.9	0.00	0.00	0.00
23,100.0	90.00	179.61	13,013.0	-9,996.4	-222.8	9,998.9	0.00	0.00	0.00
23,200.0	90.00	179.61	13,013.0	-10,096.4	-222.2	10,098.9	0.00	0.00	0.00
23,222.6	90.00	179.61	13,013.0	-10,119.0	-222.0	10,121.4	0.00	0.00	0.00

EOG Resources
Planning Report

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #1201H
Company:	EOG Resources - Midland	**TVD Reference:**	kb = 25' @ 3678.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 25' @ 3678.0usft
Site:	Amazing 19 Fed	**North Reference:**	Grid
Well:	#1201H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

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(Amazing 19 Fed # - plan hits target center - Point	0.00	0.00	12,535.5	288.0	-292.0	504,048.00	733,544.00	32.3841592°N	103.7106836°W
FTP(Amazing 19 Fed #1 - plan hits target center - Point	0.00	0.00	12,748.2	238.0	-292.0	503,998.00	733,544.00	32.3840218°N	103.7106846°W
PBHL(Amazing 19 Fed # - plan hits target center - Point	0.00	0.00	13,013.0	-10,119.0	-222.0	493,641.00	733,614.00	32.3555526°N	103.7106530°W

eog resources

Lea County, NM (NAD 83 NME)

Amazing 19 Fed #1201H

Plan #0.1 RT

Azimuths to Grid North
True North: -0.33°
Magnetic North: 6.39°

Magnetic Field
Strength: 47665.7nT
Dip Angle: 60.06°
Date: 7/23/2020
Model: IGRF2020

To convert a Magnetic Direction to a Grid Direction, Add 6.39°
To convert a Magnetic Direction to a True Direction, Add 6.73° East
To convert a True Direction to a Grid Direction, Subtract 0.33°

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: #1201H

3653.0
kb = 25' @ 3678.0usft

Northing	Easting	Latittude	Longitude
503760.00	733836.00	32.3833629°N	103.7097432°W

SECTION DETAILS

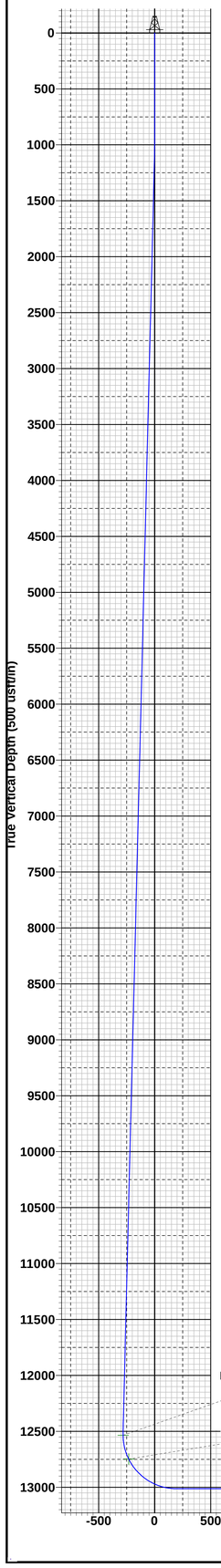
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
3	1102.7	2.05	314.60	1102.7	1.3	-1.3	2.00	314.60	-1.3	
4	12440.1	2.05	314.60	12432.8	286.7	-290.7	0.00	0.00	-280.3	
5	12542.8	0.00	0.00	12535.5	288.0	-292.0	2.00	180.00	-281.5	KOP(Amazing 19 Fed #1201H)
6	12763.3	26.46	180.00	12748.2	238.0	-292.0	12.00	180.00	-231.5	FTP(Amazing 19 Fed #1201H)
7	13292.8	90.00	179.61	13012.9	-189.5	-290.0	12.00	-0.44	195.8	
8	23222.6	90.00	179.61	13013.0	-10119.0	-222.0	0.00	0.00	10121.4	PBHL(Amazing 19 Fed #1201H)

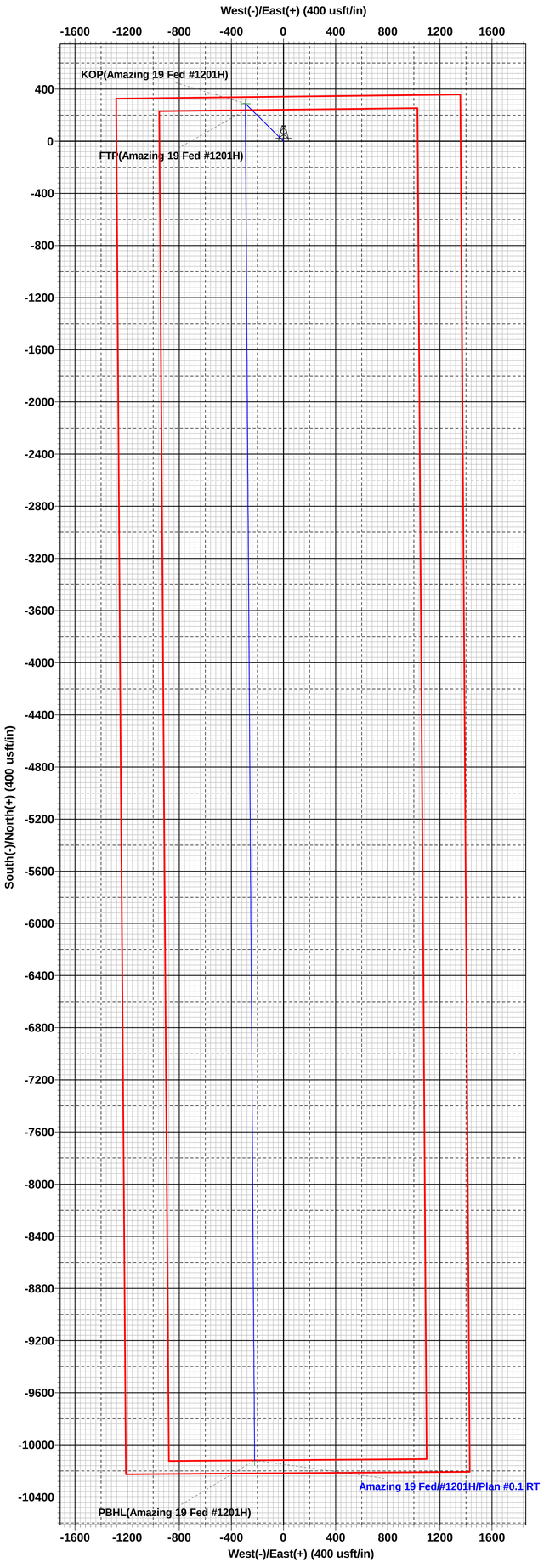
CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP(Amazing 19 Fed #1201H)	12535.5	288.0	-292.0	504048.00	733544.00
FTP(Amazing 19 Fed #1201H)	12748.2	238.0	-292.0	503998.00	733544.00
PBHL(Amazing 19 Fed #1201H)	13013.0	-10119.0	-222.0	493641.00	733614.00





Lea County, NM (NAD 83 NME)
Amazing 19 Fed
#1201H
OH
Plan #0.1 RT
12:43, July 23 2020

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	EOG RESOURCES INCORPORATED
WELL NAME & NO.:	AMAZING 19 FED 1201H
SURFACE HOLE FOOTAGE:	341'/N & 1360'/E
BOTTOM HOLE FOOTAGE	100'/S & 1650'/E
LOCATION:	Section 19, T.22 S., R.32 E., NMP
COUNTY:	Lea County, New Mexico

COA

H2S	(•) Yes	( ) No	
Potash	(•) None	( ) Secretary	( ) R-111-P
Cave/Karst Potential	(•) Low	( ) Medium	( ) High
Cave/Karst Potential	( ) Critical		
Variance	( ) None	(•) Flex Hose	( ) Other
Wellhead	( ) Conventional	(•) Multibowl	( ) Both
Wellhead Variance	( ) Diverter		
Other	[ ] 4 String	[ ] Capitan Reef	[ ] WIPP
Other	[ ] Fluid Filled	[ ] Pilot Hole	[ ] Open Annulus
Cementing	[ ] Contingency Cement Squeeze	[x] EchoMeter	[x] Primary Cement Squeeze
Special Requirements	[ ] Water Disposal	[ ] COM	[ ] Unit
Special Requirements	[ ] Batch Sundry		
Special Requirements Variance	[ ] Break Testing	[ ] Offline Cementing	[x] Casing Clearance

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated AT SPUD. As a result, the Hydrogen Sulfide area must meet 43 CFR part 3170 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

Operator is only approved for Design A. Design B is not to be utilized. If Design B is needed or any other change, please submit a NOI sundry to make the changes.

Approval Date: 08/14/2023

Primary Casing Design:

1. The **9-5/8** inch surface casing shall be set at approximately **1145 feet** (a minimum of **25 feet (Lea County)** into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface. The surface hole shall be **12-1/4** inch in diameter.

    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
    b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
    c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
    d. If cement falls back, remedial cementing will be done prior to drilling out that string.

2. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:
    - Cement to surface. If cement does not circulate see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the tail cement slurry due to cave/karst or potash.**

Operator has proposed to pump down 9-5/8" X 7-5/8" annulus after primary cementing stage. Operator must run Echo-meter to verify Cement Slurry/Fluid top in the annulus Or operator shall run a CBL from TD of the 7-5/8" casing to surface after the second stage BH to verify TOC.

Submit results to the BLM. No displacement fluid/wash out shall be utilized at the top of the cement slurry between second stage BH and top out. Operator must run one CBL per Well Pad.

If cement does not reach surface, the next casing string must come to surface.

Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:
    - Cement should tie-back at least **200 feet** into previous casing string due to operator not meeting casing clearance requirement per 43 CFR 3170. Operator shall provide method of verification.

 Approval Date: 08/14/2023

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'

2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **9-5/8** inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M)** psi. **Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.**

    a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
    b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
    c. Manufacturer representative shall install the test plug for the initial BOP test.
    d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
    e. Whenever any seal subject to test pressure is broken, all the tests in **43 CFR 3172.6(b)(9)** must be followed.

D. SPECIAL REQUIREMENT (S)

Casing Clearance:

Operator casing variance is approved for the utilization of

- 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 production open hole section.

Operator shall clean up cycles until wellbore is clear of cuttings and any large debris, ensure cutting sizes are adequate "coffee ground or less" before cementing.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

a. Spudding well (minimum of 24 hours)
b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
c. BOPE tests (minimum of 4 hours)

☒ Eddy County
EMAIL or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,
BLM_NM_CFO_DrillingNotifications@BLM.GOV
(575) 361-2822

☒ Lea County
Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240,
(575) 689-5981

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

   a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
   b. When the operator proposes to set surface casing with Spudder Rig
      - Notify the BLM when moving in and removing the Spudder Rig.
      - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
      - BOP/BOPE test to be conducted per **43 CFR part 3170 Subpart 3172** as soon as 2nd Rig is rigged up on well.

2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or

if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.

3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.

4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.

5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.

7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR part 3170 Subpart 3172** and **API STD 53 Sec. 5.3**.

2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.

3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.

4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:

    a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
    b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
    c. Manufacturer representative shall install the test plug for the initial BOP test.
    d. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
    e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.

5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.

    a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

    b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been

done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)

c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR part 3170 Subpart 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.

e. The results of the test shall be reported to the appropriate BLM office.

f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.

g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.

h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR part 3170 Subpart 3172**.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

JS 8/9/2023

EOG RESOURCES, INC.
AMAZING 19 FED #1201H

Hydrogen Sulfide Plan Summary

A. All personnel shall receive proper H2S training in accordance with Onshore Order III.C.3.a.

B. Briefing Area: two perpendicular areas will be designated by signs and readily accessible.

C. Required Emergency Equipment:

- Well control equipment
  a. Flare line 150' from wellhead to be ignited by flare gun.
  b. Choke manifold with a remotely operated choke.
  c. Mud/gas separator

- Protective equipment for essential personnel.

  Breathing apparatus:
  a. Rescue Packs (SCBA) — 1 unit shall be placed at each breathing area, 2 shall be stored in the safety trailer.
  b. Work/Escape packs —4 packs shall be stored on the rig floor with sufficient air hose not to restrict work activity.
  c. Emergency Escape Packs —4 packs shall be stored in the doghouse for emergency evacuation.

  Auxiliary Rescue Equipment:
  a. Stretcher
  b. Two OSHA full body harness
  c. 100 ft 5/8 inch OSHA approved rope
  d. 1-20# class ABC fire extinguisher

- H2S detection and monitoring equipment:
  The stationary detector with three sensors will be placed in the upper dog house if equipped, set to visually alarm @ 10 ppm and audible @ 14 ppm. Calibrate a minimum of every 30 days or as needed. The sensors will be placed in the following places: Rig floor / Bell nipple / End of flow line or where well bore fluid is being discharged.
  (Gas sample tubes will be stored in the safety trailer)

- Visual warning systems.
  a. One color code condition sign will be placed at the entrance to the site reflecting the possible conditions at the site.
  b. A colored condition flag will be on display, reflecting the current condition at the site at the time.
  c. Two wind socks will be placed in strategic locations, visible from all angles.

EOG RESOURCES, INC.
AMAZING 19 FED #1201H

- Mud program:
  The mud program has been designed to minimize the volume of H2S circulated to surface. The operator will have the necessary mud products to minimize hazards while drilling in H2S bearing zones.

- Metallurgy:
  All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service.

- Communication:
  Communication will be via cell phones and land lines where available.

EOG RESOURCES, INC.
AMAZING 19 FED #1201H

Emergency Assistance Telephone List

PUBLIC SAFETY:		**911 or**
Lea County Sheriff's Department		(575) 396-3611
Rod Coffman		
Fire Department:		
Carlsbad		(575) 885-3125
Artesia		(575) 746-5050
Hospitals:		
Carlsbad		(575) 887-4121
Artesia		(575) 748-3333
Hobbs		(575) 392-1979
Dept. of Public Safety/Carlsbad		(575) 748-9718
Highway Department		(575) 885-3281
New Mexico Oil Conservation		(575) 476-3440
U.S. Dept. of Labor		(575) 887-1174
EOG Resources, Inc.		
EOG / Midland	Office	(432) 686-3600
Company Drilling Consultants:		
Jett Dueitt	Cell	(432) 230-4840
Blake Burney		
Drilling Engineer		
Steve Munsell	Office	(432) 686-3609
	Cell	(432) 894-1256
Drilling Manager		
Aj Dach	Office	(432) 686-3751
	Cell	(817) 480-1167
Drilling Superintendent		
Jason Townsend	Office	(432) 848-9209
	Cell	(210) 776-5131
H&P Drilling		
H&P Drilling	Office	(432) 563-5757
H&P 415 Drilling Rig	Rig	(432) 230-4840
Tool Pusher:		
Johnathan Craig	Cell	(817) 760-6374
Brad Garrett		
Safety		
Brian Chandler (HSE Manager)	Office	(432) 686-3695
	Cell	(817) 239-0251

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.

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. AMAZING 19 FED/1201H

2. Name of Operator EOG RESOURCES INCORPORATED

9. API Well No.

3a. Address 1111 BAGBY SKY LOBBY 2, HOUSTON, TX 77(

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

10. Field and Pool or Exploratory Area WILLIAMS; PENN

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* SEC 19/T22S/R32E/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.)

THE WELL NAME NEEDS TO BE CHANGED FROM 1201H TO 901H. THE NMOCD ONLY ALLOWS THREE NUMERIC DIGITS.

ORIGINAL APD ID #10400062814

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

Title Regulatory Specialist

Signature (Electronic Submission)

Date 10/19/2023

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by MARIAH HUGHES / Ph: (575) 234-5972 / Approved

Title Land Law Examiner

Date 10/19/2023

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: TR B / 341 FNL / 1360 FEL / TWSP: 22S / RANGE: 32E / SECTION: 19 / LAT: 32.383364 / LONG: -103.709743 (TVD: 0 feet, MD: 0 feet)

PPP: TR B / 100 FNL / 1650 FEL / TWSP: 22S / RANGE: 32E / SECTION: 19 / LAT: 32.384022 / LONG: -103.710684 (TVD: 12748 feet, MD: 12763 feet)

BHL: TR O / 100 FSL / 1650 FEL / TWSP: 22S / RANGE: 32E / SECTION: 30 / LAT: 32.355552 / LONG: -103.710653 (TVD: 13013 feet, MD: 23223 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 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 277429

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 277429
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104	10/19/2023
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string	10/19/2023
pkautz	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system	10/19/2023
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing	10/19/2023
pkautz	If cement does not circulate on any string, a CBL is required for that string of casing	10/19/2023