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.

8. Lease Name and Well No.

[333757]

2. Name of Operator

[7377]

9. API Well No.

30-025-51043

3a. Address	3b. Phone No. *(include area code)*	10. Field and Pool, or Exploratory **[96994]**

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

At surface

At proposed prod. zone

11. Sec., T. R. M. or Blk. and Survey or Area

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

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

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

21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration

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

Title

Approved by *(Signature)*	Name *(Printed/Typed)*	Date

Title	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 01/30/2023

KZ
02/06/2023

SL

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 01/23/2023

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 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
30-025-51043	96994	PITCHFORK RANCH; WOLFCAMP, SOUTH

[4]Property Code	[5]Property Name	[6]Well Number
333757	SILVER TRAIN 17 FED COM	723H

[7]OGRID No.	[8]Operator Name	[9]Elevation
7377	EOG RESOURCES, INC.	3337'

[10]Surface Location

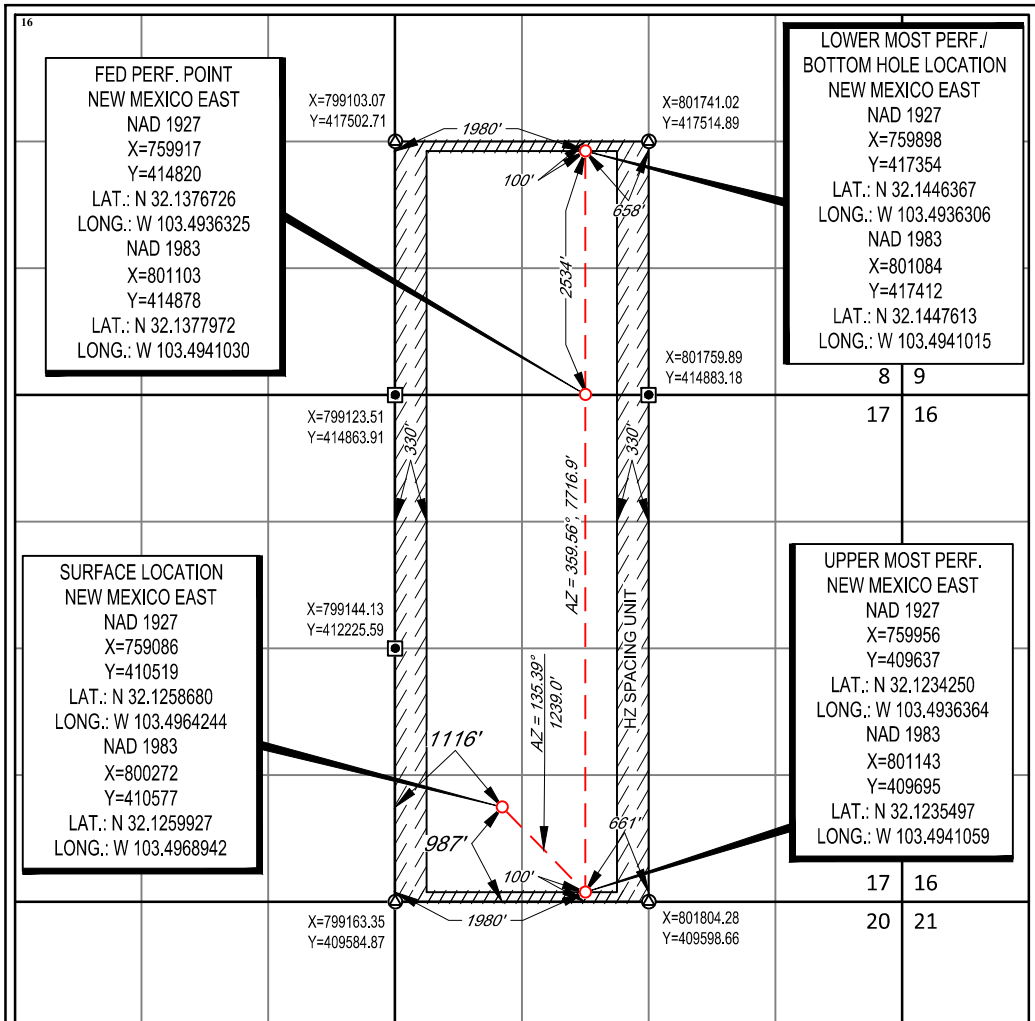
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	17	25-S	34-E	-	987'	SOUTH	1116'	WEST	LEA

[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
K	8	25-S	34-E	-	2534'	SOUTH	1980'	WEST	LEA

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
480			

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.

Craig Richardson — 96994
Signature — Date

Craig Richardson
Printed Name

craig_richardson@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.

05/07/2021
Date of Survey
Signature and Seal of Professional Surveyor

RAMON A. DOMINGUEZ
NEW MEXICO
24508
PROFESSIONAL SURVEYOR

Certificate Number

S:\SURVEY\EOG_MIDLAND\SILVER_TRAIN_17_FED_COM\FINAL_PRODUCTS\LO_SILVER_TRAIN_17_FC_723H.DWG 7/1/2021 10:55:14 AM bgregory

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:** 1/30/2023

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
Silver Train 17 Fed Com 723H		M-17-25S-34E	987' FSL & 1980' FWL	+/- 1000	+/- 3500	+/- 3000
	30-025-51043					

IV. Central Delivery Point Name: ___Dragon 36 State CTB_____ [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
Silver Train 17 Fed Com 723H		03/01/23	03/16/23	05/01/23	06/01/23	07/01/23
	30-025-51043					

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: Craig Richardson
Printed Name: Craig Richardson
Title: Regulatory Specialist
E-mail Address: craig_richardson@eogresources.com
Date: 1/30/2023
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.

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1. GEOLOGIC NAME OF SURFACE FORMATION:

Permian

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	1,033'
Tamarisk Anhydrite	1,113'
Top of Salt	1,428'
Base of Salt	5,024'
Lamar	5,284'
Bell Canyon	5,311'
Cherry Canyon	6,267'
Brushy Canyon	7,822'
Bone Spring Lime	9,329'
Leonard Shale	9,348'
1st Bone Spring Sand	10,303'
2nd Bone Spring Shale	10,524'
2nd Bone Spring Sand	10,921'
3rd Bone Spring Carb	11,370'
3rd Bone Spring Sand	11,944'
Wolfcamp	12,395'
TD	12,810'

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

Upper Permian Sands	0- 400’	Fresh Water
Cherry Canyon	6,267'	Oil
Brushy Canyon	7,822'	Oil
Leonard Shale	9,348'	Oil
1st Bone Spring Sand	10,303'	Oil
2nd Bone Spring Shale	10,524'	Oil
2nd Bone Spring Sand	10,921'	Oil
3rd Bone Spring Carb	11,370'	Oil
3rd Bone Spring Sand	11,944'	Oil
Wolfcamp	12,395'	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 1,138' and circulating cement back to surface.

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4. CASING PROGRAM - NEW

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DFmin Collapse	DFmin Burst	DFmin Tension
12.25"	0' - 1,140'	9.625"	36#	J-55	LTC	1.125	1.25	1.6
8.75"	0' - 11,470'	7.625"	29.7#	HCP-110	FXL	1.125	1.25	1.6
6.75"	0' - 10,970'	5.5"	20#	P-110EC	DWC/C-IS MS	1.125	1.25	1.6
6.75"	10,970' - 11,470'	5.5"	20#	P-110EC	VAM SFC	1.125	1.25	1.6
6.75"	11,470' - 20,504'	5.5"	20#	P-110EC	DWC/C-IS MS	1.125	1.25	1.6

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.

Cementing Program:

Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
1,140' 9.625"	320	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl2 + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	80	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 938')
11,470' 7.625"	460	14.2	1.11	1st Stage (Tail): Class C + 0.6% Halad-9 + 0.45% HR-601 + 3% Microbond (TOC @ 7,622')
	1300	14.8	1.5	2nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)
20,504' 5.5"	820	14.2	1.31	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 10,970')

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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 (7,822') 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 1,301 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 – 1,140'	Fresh - Gel	8.6-8.8	28-34	N/c
1,140' – 11,470'	Brine	10.0-10.2	28-34	N/c
11,470’ – 12,464'	Oil Base	8.7-9.4	58-68	N/c - 6
12,464’ – 20,504’ Lateral	Oil Base	10.0-14.0	58-68	4 - 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) H2S monitoring and detection equipment will be utilized from surface casing point to TD.

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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 198 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 9326 psig and a maximum anticipated surface pressure of 6507 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 7,822' 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 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.

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Silver Train 17 Fed Com 723H

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. (EOG) respectfully requests a variance from the minimum standards for well control equipment testing of Onshore Order No. 2 (item III.A.2.i) to allow a testing schedule of the blow out preventer (BOP) and blow out prevention equipment (BOPE) 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 production sections that do not penetrate the Wolfcamp or deeper formations.
- After the well section is cemented the BOP will be disconnected from the wellhead and walked with the rig to another well on the pad. The cemented well will be secured with a blind flange and a pressure gauge for monitoring.

eog resources

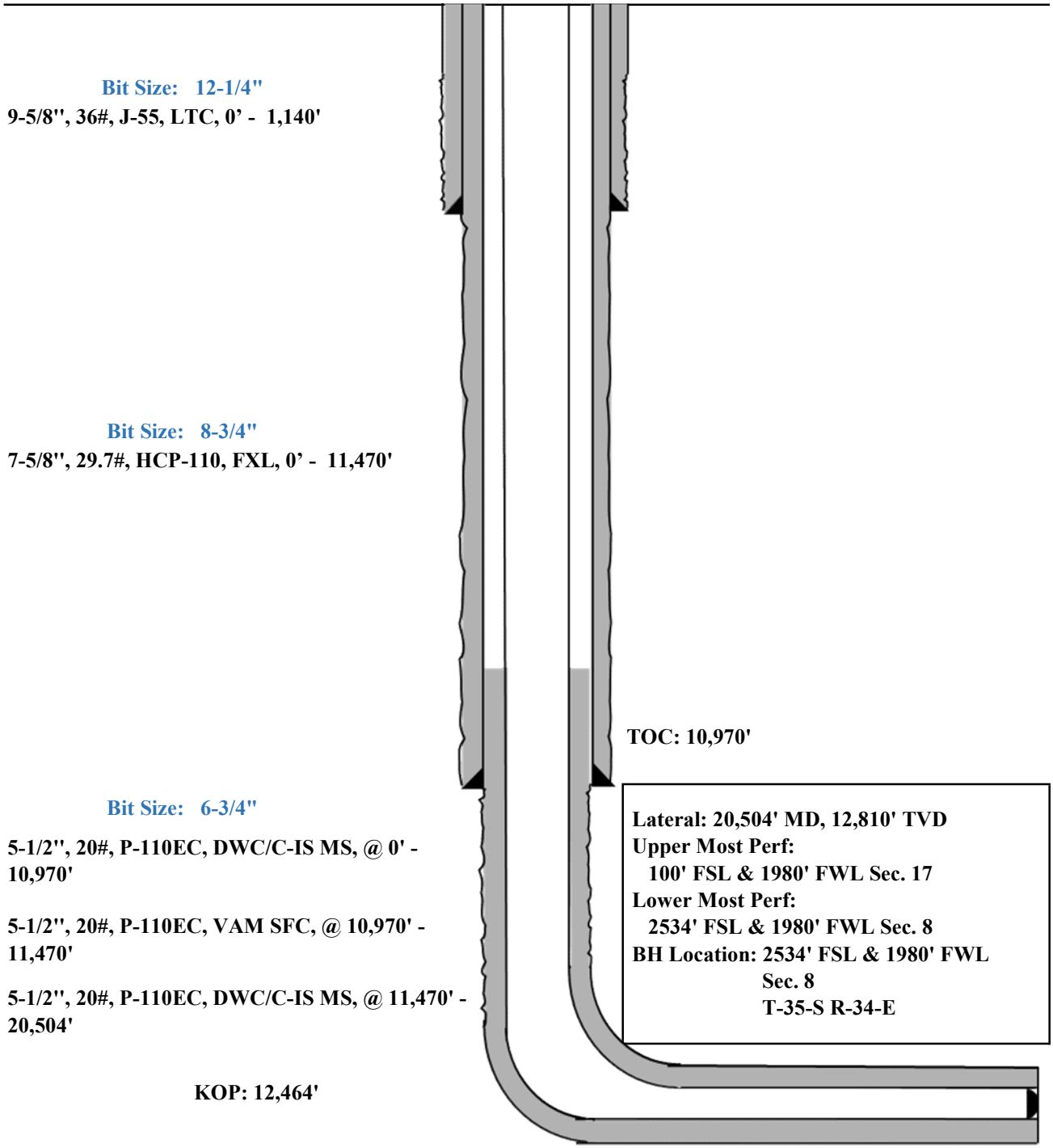
Silver Train 17 Fed Com 723H

987' FSL
1116' FWL
Section 17
T-25-S, R-34-E

Proposed Wellbore

API: 30-025-***

KB: 3362'
GL: 3337'



Lea County, NM (NAD 83 NME)

Silver Train 17 Fed Com #723H

Plan #0.1 RT

Azimuths to Grid North
True North: -0.44°
Magnetic North: 6.04°

Magnetic Field
Strength: 47432.3nT
Dip Angle: 59.82°
Date: 7/27/2021
Model: IGRF2020

To convert a Magnetic Direction to a Grid Direction, Add 6.04°
To convert a Magnetic Direction to a True Direction, Add 6.49° East
To convert a True Direction to a Grid Direction, Subtract 0.44°

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: #723H

3337.0
kb = 25' @ 3362.0usft

Northing	Easting	Latittude	Longitude
410577.00	800272.00	32° 7' 33.571 N	103° 29' 48.825 W

SECTION DETAILS

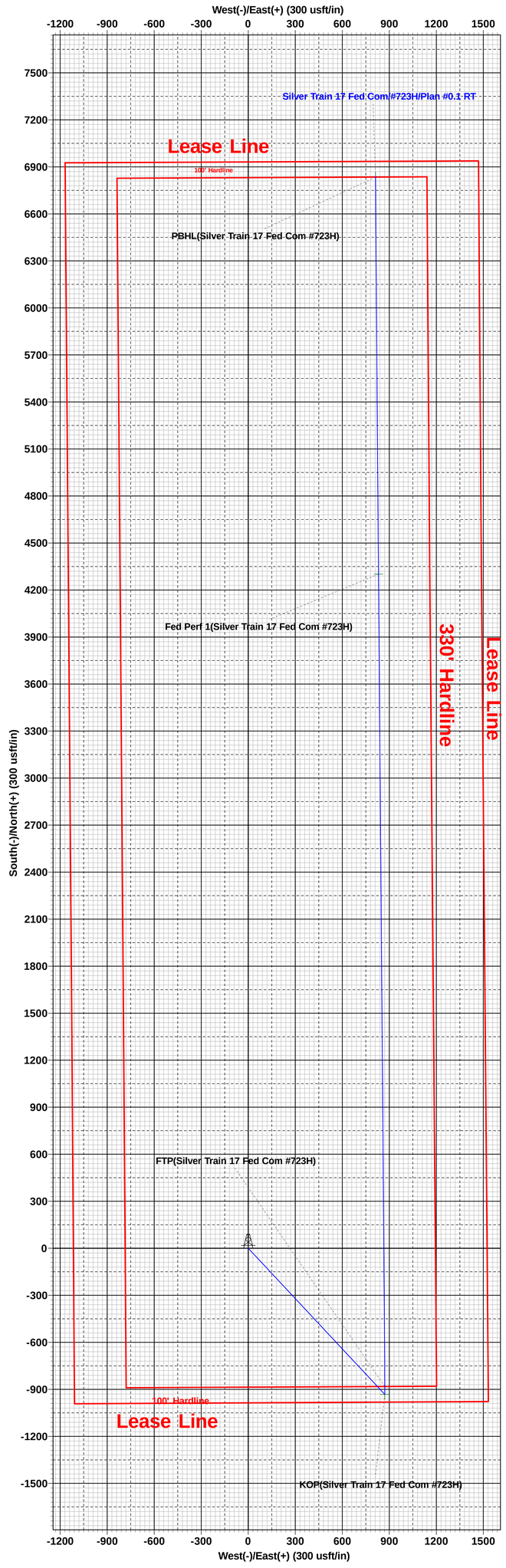
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1300.0	0.00	0.00	1300.0	0.0	0.0	0.00	0.00	0.0	
3	1908.9	12.18	136.94	1904.4	-47.1	44.0	2.00	136.94	-41.6	
4	7344.5	12.18	136.94	7217.6	-884.9	827.0	0.00	0.00	-781.2	
5	7953.5	0.00	0.00	7822.0	-932.0	871.0	2.00	180.00	-822.7	
6	12464.0	0.00	0.00	12332.5	-932.0	871.0	0.00	0.00	-822.7	KOP(Silver Train 17 Fed Com #723H)
7	12684.4	26.46	0.00	12545.2	-882.0	871.0	12.00	0.00	-773.1	FTP(Silver Train 17 Fed Com #723H)
8	13214.0	90.00	359.55	12809.9	-454.5	868.7	12.00	-0.51	-348.9	
9	17969.7	90.00	359.55	12810.0	4301.0	831.0	0.00	0.00	4369.0	Fed Perf 1(Silver Train 17 Fed Com #723H)
10	20503.7	90.00	359.59	12810.0	6835.0	812.0	0.00	88.46	6883.1	PBHL(Silver Train 17 Fed Com #723H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP(Silver Train 17 Fed Com #723H)	12332.5	-932.0	871.0	409645.00	801143.00
FTP(Silver Train 17 Fed Com #723H)	12545.2	-882.0	871.0	409695.00	801143.00
Fed Perf 1(Silver Train 17 Fed Com #723H)	12810.0	4301.0	831.0	414878.00	801103.00
PBHL(Silver Train 17 Fed Com #723H)	12810.0	6835.0	812.0	417412.00	801084.00



Lea County, NM (NAD 83 NME)
Silver Train 17 Fed Com
#723H
OH
Plan #0.1 RT
14:26, August 24 2021

Midland

Lea County, NM (NAD 83 NME)
Silver Train 17 Fed Com
#723H

OH

Plan: Plan #0.1 RT

Standard Planning Report

24 August, 2021

eog resources

Planning Report

Database:	PEDM	**Local Co-ordinate Reference:**	Well #723H
Company:	Midland	**TVD Reference:**	kb = 25' @ 3362.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 25' @ 3362.0usft
Site:	Silver Train 17 Fed Com	**North Reference:**	Grid
Well:	#723H	**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 Silver Train 17 Fed Com

Site Position:		**Northing:**	410,012.00 usft	**Latitude:**	32° 7' 28.004 N
From:	Map	**Easting:**	799,964.00 usft	**Longitude:**	103° 29' 52.457 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "		

Well #723H

Well Position	**+N/-S**	0.0 usft	**Northing:**	410,577.00 usft	**Latitude:**	32° 7' 33.571 N
	+E/-W	0.0 usft	**Easting:**	800,272.00 usft	**Longitude:**	103° 29' 48.825 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,337.0 usft
Grid Convergence:		0.44 °				

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	7/27/2021	6.49	59.82	47,432.34446965

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	6.78

Plan Survey Tool Program **Date** 8/24/2021

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	20,503.7	Plan #0.1 RT (OH)	EOG MWD+IFR1	
				MWD + IFR1	

eog resources

Planning Report

Database:	PEDM	**Local Co-ordinate Reference:**	Well #723H
Company:	Midland	**TVD Reference:**	kb = 25' @ 3362.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 25' @ 3362.0usft
Site:	Silver Train 17 Fed Com	**North Reference:**	Grid
Well:	#723H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

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	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,908.9	12.18	136.94	1,904.4	-47.1	44.0	2.00	2.00	0.00	136.94	
7,344.5	12.18	136.94	7,217.6	-884.9	827.0	0.00	0.00	0.00	0.00	
7,953.5	0.00	0.00	7,822.0	-932.0	871.0	2.00	-2.00	0.00	180.00	
12,464.0	0.00	0.00	12,332.5	-932.0	871.0	0.00	0.00	0.00	0.00	KOP(Silver Train 17 F
12,684.4	26.46	0.00	12,545.2	-882.0	871.0	12.00	12.00	0.00	0.00	FTP(Silver Train 17 F
13,214.0	90.00	359.55	12,809.9	-454.5	868.7	12.00	12.00	-0.09	-0.51	
17,969.7	90.00	359.55	12,810.0	4,301.0	831.0	0.00	0.00	0.00	0.00	Fed Perf 1(Silver Trai
20,503.7	90.00	359.59	12,810.0	6,835.0	812.0	0.00	0.00	0.00	88.46	PBHL(Silver Train 17

eog resources

Planning Report

Database:	PEDM	**Local Co-ordinate Reference:**	Well #723H
Company:	Midland	**TVD Reference:**	kb = 25' @ 3362.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 25' @ 3362.0usft
Site:	Silver Train 17 Fed Com	**North Reference:**	Grid
Well:	#723H	**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
1,100.0	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	2.00	136.94	1,400.0	-1.3	1.2	-1.1	2.00	2.00	0.00
1,500.0	4.00	136.94	1,499.8	-5.1	4.8	-4.5	2.00	2.00	0.00
1,600.0	6.00	136.94	1,599.5	-11.5	10.7	-10.1	2.00	2.00	0.00
1,700.0	8.00	136.94	1,698.7	-20.4	19.0	-18.0	2.00	2.00	0.00
1,800.0	10.00	136.94	1,797.5	-31.8	29.7	-28.1	2.00	2.00	0.00
1,908.9	12.18	136.94	1,904.4	-47.1	44.0	-41.6	2.00	2.00	0.00
2,000.0	12.18	136.94	1,993.4	-61.1	57.1	-54.0	0.00	0.00	0.00
2,100.0	12.18	136.94	2,091.1	-76.6	71.5	-67.6	0.00	0.00	0.00
2,200.0	12.18	136.94	2,188.9	-92.0	85.9	-81.2	0.00	0.00	0.00
2,300.0	12.18	136.94	2,286.6	-107.4	100.4	-94.8	0.00	0.00	0.00
2,400.0	12.18	136.94	2,384.4	-122.8	114.8	-108.4	0.00	0.00	0.00
2,500.0	12.18	136.94	2,482.1	-138.2	129.2	-122.0	0.00	0.00	0.00
2,600.0	12.18	136.94	2,579.9	-153.6	143.6	-135.6	0.00	0.00	0.00
2,700.0	12.18	136.94	2,677.6	-169.0	158.0	-149.2	0.00	0.00	0.00
2,800.0	12.18	136.94	2,775.4	-184.4	172.4	-162.8	0.00	0.00	0.00
2,900.0	12.18	136.94	2,873.1	-199.9	186.8	-176.4	0.00	0.00	0.00
3,000.0	12.18	136.94	2,970.9	-215.3	201.2	-190.0	0.00	0.00	0.00
3,100.0	12.18	136.94	3,068.6	-230.7	215.6	-203.6	0.00	0.00	0.00
3,200.0	12.18	136.94	3,166.4	-246.1	230.0	-217.2	0.00	0.00	0.00
3,300.0	12.18	136.94	3,264.1	-261.5	244.4	-230.9	0.00	0.00	0.00
3,400.0	12.18	136.94	3,361.9	-276.9	258.8	-244.5	0.00	0.00	0.00
3,500.0	12.18	136.94	3,459.6	-292.3	273.2	-258.1	0.00	0.00	0.00
3,600.0	12.18	136.94	3,557.4	-307.7	287.6	-271.7	0.00	0.00	0.00
3,700.0	12.18	136.94	3,655.1	-323.2	302.0	-285.3	0.00	0.00	0.00
3,800.0	12.18	136.94	3,752.9	-338.6	316.4	-298.9	0.00	0.00	0.00
3,900.0	12.18	136.94	3,850.6	-354.0	330.8	-312.5	0.00	0.00	0.00
4,000.0	12.18	136.94	3,948.4	-369.4	345.2	-326.1	0.00	0.00	0.00
4,100.0	12.18	136.94	4,046.1	-384.8	359.6	-339.7	0.00	0.00	0.00
4,200.0	12.18	136.94	4,143.9	-400.2	374.0	-353.3	0.00	0.00	0.00
4,300.0	12.18	136.94	4,241.6	-415.6	388.4	-366.9	0.00	0.00	0.00
4,400.0	12.18	136.94	4,339.4	-431.1	402.8	-380.5	0.00	0.00	0.00
4,500.0	12.18	136.94	4,437.1	-446.5	417.2	-394.1	0.00	0.00	0.00
4,600.0	12.18	136.94	4,534.9	-461.9	431.6	-407.7	0.00	0.00	0.00
4,700.0	12.18	136.94	4,632.6	-477.3	446.1	-421.3	0.00	0.00	0.00
4,800.0	12.18	136.94	4,730.4	-492.7	460.5	-434.9	0.00	0.00	0.00
4,900.0	12.18	136.94	4,828.1	-508.1	474.9	-448.5	0.00	0.00	0.00
5,000.0	12.18	136.94	4,925.9	-523.5	489.3	-462.2	0.00	0.00	0.00
5,100.0	12.18	136.94	5,023.6	-538.9	503.7	-475.8	0.00	0.00	0.00
5,200.0	12.18	136.94	5,121.4	-554.4	518.1	-489.4	0.00	0.00	0.00
5,300.0	12.18	136.94	5,219.1	-569.8	532.5	-503.0	0.00	0.00	0.00

eog resources

Planning Report

Database:	PEDM	**Local Co-ordinate Reference:**	Well #723H
Company:	Midland	**TVD Reference:**	kb = 25' @ 3362.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 25' @ 3362.0usft
Site:	Silver Train 17 Fed Com	**North Reference:**	Grid
Well:	#723H	**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	12.18	136.94	5,316.9	-585.2	546.9	-516.6	0.00	0.00	0.00
5,500.0	12.18	136.94	5,414.6	-600.6	561.3	-530.2	0.00	0.00	0.00
5,600.0	12.18	136.94	5,512.4	-616.0	575.7	-543.8	0.00	0.00	0.00
5,700.0	12.18	136.94	5,610.1	-631.4	590.1	-557.4	0.00	0.00	0.00
5,800.0	12.18	136.94	5,707.9	-646.8	604.5	-571.0	0.00	0.00	0.00
5,900.0	12.18	136.94	5,805.6	-662.2	618.9	-584.6	0.00	0.00	0.00
6,000.0	12.18	136.94	5,903.4	-677.7	633.3	-598.2	0.00	0.00	0.00
6,100.0	12.18	136.94	6,001.1	-693.1	647.7	-611.8	0.00	0.00	0.00
6,200.0	12.18	136.94	6,098.9	-708.5	662.1	-625.4	0.00	0.00	0.00
6,300.0	12.18	136.94	6,196.6	-723.9	676.5	-639.0	0.00	0.00	0.00
6,400.0	12.18	136.94	6,294.4	-739.3	690.9	-652.6	0.00	0.00	0.00
6,500.0	12.18	136.94	6,392.1	-754.7	705.3	-666.2	0.00	0.00	0.00
6,600.0	12.18	136.94	6,489.9	-770.1	719.7	-679.9	0.00	0.00	0.00
6,700.0	12.18	136.94	6,587.6	-785.6	734.1	-693.5	0.00	0.00	0.00
6,800.0	12.18	136.94	6,685.4	-801.0	748.5	-707.1	0.00	0.00	0.00
6,900.0	12.18	136.94	6,783.1	-816.4	762.9	-720.7	0.00	0.00	0.00
7,000.0	12.18	136.94	6,880.8	-831.8	777.3	-734.3	0.00	0.00	0.00
7,100.0	12.18	136.94	6,978.6	-847.2	791.8	-747.9	0.00	0.00	0.00
7,200.0	12.18	136.94	7,076.3	-862.6	806.2	-761.5	0.00	0.00	0.00
7,300.0	12.18	136.94	7,174.1	-878.0	820.6	-775.1	0.00	0.00	0.00
7,344.5	12.18	136.94	7,217.6	-884.9	827.0	-781.2	0.00	0.00	0.00
7,400.0	11.07	136.94	7,272.0	-893.1	834.6	-788.4	2.00	-2.00	0.00
7,500.0	9.07	136.94	7,370.4	-905.8	846.5	-799.6	2.00	-2.00	0.00
7,600.0	7.07	136.94	7,469.4	-916.1	856.1	-808.7	2.00	-2.00	0.00
7,700.0	5.07	136.94	7,568.9	-923.8	863.3	-815.5	2.00	-2.00	0.00
7,800.0	3.07	136.94	7,668.6	-929.0	868.2	-820.1	2.00	-2.00	0.00
7,900.0	1.07	136.94	7,768.5	-931.6	870.7	-822.4	2.00	-2.00	0.00
7,953.5	0.00	0.00	7,822.0	-932.0	871.0	-822.7	2.00	-2.00	0.00
8,000.0	0.00	0.00	7,868.5	-932.0	871.0	-822.7	0.00	0.00	0.00
8,100.0	0.00	0.00	7,968.5	-932.0	871.0	-822.7	0.00	0.00	0.00
8,200.0	0.00	0.00	8,068.5	-932.0	871.0	-822.7	0.00	0.00	0.00
8,300.0	0.00	0.00	8,168.5	-932.0	871.0	-822.7	0.00	0.00	0.00
8,400.0	0.00	0.00	8,268.5	-932.0	871.0	-822.7	0.00	0.00	0.00
8,500.0	0.00	0.00	8,368.5	-932.0	871.0	-822.7	0.00	0.00	0.00
8,600.0	0.00	0.00	8,468.5	-932.0	871.0	-822.7	0.00	0.00	0.00
8,700.0	0.00	0.00	8,568.5	-932.0	871.0	-822.7	0.00	0.00	0.00
8,800.0	0.00	0.00	8,668.5	-932.0	871.0	-822.7	0.00	0.00	0.00
8,900.0	0.00	0.00	8,768.5	-932.0	871.0	-822.7	0.00	0.00	0.00
9,000.0	0.00	0.00	8,868.5	-932.0	871.0	-822.7	0.00	0.00	0.00
9,100.0	0.00	0.00	8,968.5	-932.0	871.0	-822.7	0.00	0.00	0.00
9,200.0	0.00	0.00	9,068.5	-932.0	871.0	-822.7	0.00	0.00	0.00
9,300.0	0.00	0.00	9,168.5	-932.0	871.0	-822.7	0.00	0.00	0.00
9,400.0	0.00	0.00	9,268.5	-932.0	871.0	-822.7	0.00	0.00	0.00
9,500.0	0.00	0.00	9,368.5	-932.0	871.0	-822.7	0.00	0.00	0.00
9,600.0	0.00	0.00	9,468.5	-932.0	871.0	-822.7	0.00	0.00	0.00
9,700.0	0.00	0.00	9,568.5	-932.0	871.0	-822.7	0.00	0.00	0.00
9,800.0	0.00	0.00	9,668.5	-932.0	871.0	-822.7	0.00	0.00	0.00
9,900.0	0.00	0.00	9,768.5	-932.0	871.0	-822.7	0.00	0.00	0.00
10,000.0	0.00	0.00	9,868.5	-932.0	871.0	-822.7	0.00	0.00	0.00
10,100.0	0.00	0.00	9,968.5	-932.0	871.0	-822.7	0.00	0.00	0.00
10,200.0	0.00	0.00	10,068.5	-932.0	871.0	-822.7	0.00	0.00	0.00
10,300.0	0.00	0.00	10,168.5	-932.0	871.0	-822.7	0.00	0.00	0.00
10,400.0	0.00	0.00	10,268.5	-932.0	871.0	-822.7	0.00	0.00	0.00
10,500.0	0.00	0.00	10,368.5	-932.0	871.0	-822.7	0.00	0.00	0.00

eog resources

Planning Report

Database:	PEDM	**Local Co-ordinate Reference:**	Well #723H
Company:	Midland	**TVD Reference:**	kb = 25' @ 3362.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 25' @ 3362.0usft
Site:	Silver Train 17 Fed Com	**North Reference:**	Grid
Well:	#723H	**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)
10,600.0	0.00	0.00	10,468.5	-932.0	871.0	-822.7	0.00	0.00	0.00
10,700.0	0.00	0.00	10,568.5	-932.0	871.0	-822.7	0.00	0.00	0.00
10,800.0	0.00	0.00	10,668.5	-932.0	871.0	-822.7	0.00	0.00	0.00
10,900.0	0.00	0.00	10,768.5	-932.0	871.0	-822.7	0.00	0.00	0.00
11,000.0	0.00	0.00	10,868.5	-932.0	871.0	-822.7	0.00	0.00	0.00
11,100.0	0.00	0.00	10,968.5	-932.0	871.0	-822.7	0.00	0.00	0.00
11,200.0	0.00	0.00	11,068.5	-932.0	871.0	-822.7	0.00	0.00	0.00
11,300.0	0.00	0.00	11,168.5	-932.0	871.0	-822.7	0.00	0.00	0.00
11,400.0	0.00	0.00	11,268.5	-932.0	871.0	-822.7	0.00	0.00	0.00
11,500.0	0.00	0.00	11,368.5	-932.0	871.0	-822.7	0.00	0.00	0.00
11,600.0	0.00	0.00	11,468.5	-932.0	871.0	-822.7	0.00	0.00	0.00
11,700.0	0.00	0.00	11,568.5	-932.0	871.0	-822.7	0.00	0.00	0.00
11,800.0	0.00	0.00	11,668.5	-932.0	871.0	-822.7	0.00	0.00	0.00
11,900.0	0.00	0.00	11,768.5	-932.0	871.0	-822.7	0.00	0.00	0.00
12,000.0	0.00	0.00	11,868.5	-932.0	871.0	-822.7	0.00	0.00	0.00
12,100.0	0.00	0.00	11,968.5	-932.0	871.0	-822.7	0.00	0.00	0.00
12,200.0	0.00	0.00	12,068.5	-932.0	871.0	-822.7	0.00	0.00	0.00
12,300.0	0.00	0.00	12,168.5	-932.0	871.0	-822.7	0.00	0.00	0.00
12,400.0	0.00	0.00	12,268.5	-932.0	871.0	-822.7	0.00	0.00	0.00
12,464.0	0.00	0.00	12,332.5	-932.0	871.0	-822.7	0.00	0.00	0.00
KOP(Silver Train 17 Fed Com #723H)									
12,475.0	1.32	0.00	12,343.5	-931.9	871.0	-822.6	12.00	12.00	0.00
12,500.0	4.32	0.00	12,368.5	-930.6	871.0	-821.4	12.00	12.00	0.00
12,525.0	7.32	0.00	12,393.4	-928.1	871.0	-818.9	12.00	12.00	0.00
12,550.0	10.32	0.00	12,418.1	-924.3	871.0	-815.1	12.00	12.00	0.00
12,575.0	13.32	0.00	12,442.5	-919.1	871.0	-810.0	12.00	12.00	0.00
12,600.0	16.32	0.00	12,466.7	-912.8	871.0	-803.6	12.00	12.00	0.00
12,625.0	19.32	0.00	12,490.5	-905.1	871.0	-796.0	12.00	12.00	0.00
12,650.0	22.32	0.00	12,513.8	-896.2	871.0	-787.2	12.00	12.00	0.00
12,675.0	25.33	0.00	12,536.7	-886.1	871.0	-777.2	12.00	12.00	0.00
12,684.4	26.46	0.00	12,545.2	-882.0	871.0	-773.1	12.00	12.00	0.00
FTP(Silver Train 17 Fed Com #723H)									
12,700.0	28.33	359.97	12,559.0	-874.8	871.0	-766.0	12.00	12.00	-0.22
12,725.0	31.33	359.92	12,580.7	-862.4	871.0	-753.6	12.00	12.00	-0.19
12,750.0	34.33	359.88	12,601.7	-848.9	871.0	-740.2	12.00	12.00	-0.16
12,775.0	37.32	359.84	12,622.0	-834.2	870.9	-725.7	12.00	12.00	-0.14
12,800.0	40.32	359.81	12,641.5	-818.6	870.9	-710.1	12.00	12.00	-0.12
12,825.0	43.32	359.79	12,660.1	-801.9	870.8	-693.6	12.00	12.00	-0.11
12,850.0	46.32	359.76	12,677.8	-784.3	870.7	-676.1	12.00	12.00	-0.10
12,875.0	49.32	359.74	12,694.6	-765.7	870.7	-657.7	12.00	12.00	-0.09
12,900.0	52.32	359.72	12,710.4	-746.4	870.6	-638.4	12.00	12.00	-0.08
12,925.0	55.32	359.70	12,725.1	-726.2	870.5	-618.4	12.00	12.00	-0.07
12,950.0	58.32	359.69	12,738.8	-705.3	870.4	-597.7	12.00	12.00	-0.07
12,975.0	61.32	359.67	12,751.4	-683.6	870.2	-576.2	12.00	12.00	-0.06
13,000.0	64.32	359.65	12,762.8	-661.4	870.1	-554.1	12.00	12.00	-0.06
13,025.0	67.32	359.64	12,773.0	-638.6	870.0	-531.5	12.00	12.00	-0.06
13,050.0	70.32	359.63	12,782.1	-615.3	869.8	-508.4	12.00	12.00	-0.05
13,075.0	73.32	359.61	12,789.9	-591.5	869.7	-484.8	12.00	12.00	-0.05
13,100.0	76.32	359.60	12,796.4	-567.4	869.5	-460.9	12.00	12.00	-0.05
13,125.0	79.32	359.59	12,801.7	-543.0	869.3	-436.6	12.00	12.00	-0.05
13,150.0	82.32	359.58	12,805.7	-518.3	869.1	-412.2	12.00	12.00	-0.05
13,175.0	85.32	359.56	12,808.4	-493.5	869.0	-387.5	12.00	12.00	-0.05
13,200.0	88.32	359.55	12,809.7	-468.5	868.8	-362.7	12.00	12.00	-0.05
13,214.0	90.00	359.55	12,809.9	-454.5	868.7	-348.9	12.00	12.00	-0.05

eog resources

Planning Report

Database:	PEDM	**Local Co-ordinate Reference:**	Well #723H
Company:	Midland	**TVD Reference:**	kb = 25' @ 3362.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 25' @ 3362.0usft
Site:	Silver Train 17 Fed Com	**North Reference:**	Grid
Well:	#723H	**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)
13,300.0	90.00	359.55	12,809.9	-368.5	868.0	-263.5	0.00	0.00	0.00
13,400.0	90.00	359.55	12,809.9	-268.5	867.2	-164.3	0.00	0.00	0.00
13,500.0	90.00	359.55	12,809.9	-168.5	866.4	-65.1	0.00	0.00	0.00
13,600.0	90.00	359.55	12,810.0	-68.5	865.6	34.1	0.00	0.00	0.00
13,700.0	90.00	359.55	12,810.0	31.5	864.8	133.3	0.00	0.00	0.00
13,800.0	90.00	359.55	12,810.0	131.5	864.0	232.5	0.00	0.00	0.00
13,900.0	90.00	359.55	12,810.0	231.5	863.2	331.7	0.00	0.00	0.00
14,000.0	90.00	359.55	12,810.0	331.5	862.4	430.9	0.00	0.00	0.00
14,100.0	90.00	359.55	12,810.0	431.5	861.6	530.1	0.00	0.00	0.00
14,200.0	90.00	359.55	12,810.0	531.5	860.9	629.3	0.00	0.00	0.00
14,300.0	90.00	359.55	12,810.0	631.5	860.1	728.5	0.00	0.00	0.00
14,400.0	90.00	359.55	12,810.0	731.5	859.3	827.7	0.00	0.00	0.00
14,500.0	90.00	359.55	12,810.0	831.5	858.5	926.9	0.00	0.00	0.00
14,600.0	90.00	359.55	12,810.0	931.5	857.7	1,026.1	0.00	0.00	0.00
14,700.0	90.00	359.55	12,810.0	1,031.4	856.9	1,125.3	0.00	0.00	0.00
14,800.0	90.00	359.55	12,810.0	1,131.4	856.1	1,224.5	0.00	0.00	0.00
14,900.0	90.00	359.55	12,810.0	1,231.4	855.3	1,323.7	0.00	0.00	0.00
15,000.0	90.00	359.55	12,810.0	1,331.4	854.5	1,422.9	0.00	0.00	0.00
15,100.0	90.00	359.55	12,810.0	1,431.4	853.7	1,522.2	0.00	0.00	0.00
15,200.0	90.00	359.55	12,810.0	1,531.4	852.9	1,621.4	0.00	0.00	0.00
15,300.0	90.00	359.55	12,810.0	1,631.4	852.1	1,720.6	0.00	0.00	0.00
15,400.0	90.00	359.55	12,810.0	1,731.4	851.3	1,819.8	0.00	0.00	0.00
15,500.0	90.00	359.55	12,810.0	1,831.4	850.6	1,919.0	0.00	0.00	0.00
15,600.0	90.00	359.55	12,810.0	1,931.4	849.8	2,018.2	0.00	0.00	0.00
15,700.0	90.00	359.55	12,810.0	2,031.4	849.0	2,117.4	0.00	0.00	0.00
15,800.0	90.00	359.55	12,810.0	2,131.4	848.2	2,216.6	0.00	0.00	0.00
15,900.0	90.00	359.55	12,810.0	2,231.4	847.4	2,315.8	0.00	0.00	0.00
16,000.0	90.00	359.55	12,810.0	2,331.4	846.6	2,415.0	0.00	0.00	0.00
16,100.0	90.00	359.55	12,810.0	2,431.4	845.8	2,514.2	0.00	0.00	0.00
16,200.0	90.00	359.55	12,810.0	2,531.4	845.0	2,613.4	0.00	0.00	0.00
16,300.0	90.00	359.55	12,810.0	2,631.4	844.2	2,712.6	0.00	0.00	0.00
16,400.0	90.00	359.55	12,810.0	2,731.4	843.4	2,811.8	0.00	0.00	0.00
16,500.0	90.00	359.55	12,810.0	2,831.4	842.6	2,911.0	0.00	0.00	0.00
16,600.0	90.00	359.55	12,810.0	2,931.4	841.8	3,010.2	0.00	0.00	0.00
16,700.0	90.00	359.55	12,810.0	3,031.4	841.1	3,109.4	0.00	0.00	0.00
16,800.0	90.00	359.55	12,810.0	3,131.4	840.3	3,208.6	0.00	0.00	0.00
16,900.0	90.00	359.55	12,810.0	3,231.4	839.5	3,307.8	0.00	0.00	0.00
17,000.0	90.00	359.55	12,810.0	3,331.4	838.7	3,407.1	0.00	0.00	0.00
17,100.0	90.00	359.55	12,810.0	3,431.4	837.9	3,506.3	0.00	0.00	0.00
17,200.0	90.00	359.55	12,810.0	3,531.4	837.1	3,605.5	0.00	0.00	0.00
17,300.0	90.00	359.55	12,810.0	3,631.4	836.3	3,704.7	0.00	0.00	0.00
17,400.0	90.00	359.55	12,810.0	3,731.4	835.5	3,803.9	0.00	0.00	0.00
17,500.0	90.00	359.55	12,810.0	3,831.4	834.7	3,903.1	0.00	0.00	0.00
17,600.0	90.00	359.55	12,810.0	3,931.4	833.9	4,002.3	0.00	0.00	0.00
17,700.0	90.00	359.55	12,810.0	4,031.4	833.1	4,101.5	0.00	0.00	0.00
17,800.0	90.00	359.55	12,810.0	4,131.4	832.3	4,200.7	0.00	0.00	0.00
17,900.0	90.00	359.55	12,810.0	4,231.3	831.6	4,299.9	0.00	0.00	0.00
17,969.7	90.00	359.55	12,810.0	4,301.0	831.0	4,369.0	0.00	0.00	0.00
Fed Perf 1(Silver Train 17 Fed Com #723H)									
18,000.0	90.00	359.55	12,810.0	4,331.3	830.8	4,399.1	0.00	0.00	0.00
18,100.0	90.00	359.55	12,810.0	4,431.3	830.0	4,498.3	0.00	0.00	0.00
18,200.0	90.00	359.55	12,810.0	4,531.3	829.2	4,597.5	0.00	0.00	0.00
18,300.0	90.00	359.55	12,810.0	4,631.3	828.4	4,696.7	0.00	0.00	0.00

eog resources

Planning Report

Database:	PEDM	**Local Co-ordinate Reference:**	Well #723H
Company:	Midland	**TVD Reference:**	kb = 25' @ 3362.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 25' @ 3362.0usft
Site:	Silver Train 17 Fed Com	**North Reference:**	Grid
Well:	#723H	**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)
18,400.0	90.00	359.55	12,810.0	4,731.3	827.6	4,795.9	0.00	0.00	0.00
18,500.0	90.00	359.56	12,810.0	4,831.3	826.8	4,895.1	0.00	0.00	0.00
18,600.0	90.00	359.56	12,810.0	4,931.3	826.1	4,994.3	0.00	0.00	0.00
18,700.0	90.00	359.56	12,810.0	5,031.3	825.3	5,093.6	0.00	0.00	0.00
18,800.0	90.00	359.56	12,810.0	5,131.3	824.5	5,192.8	0.00	0.00	0.00
18,900.0	90.00	359.56	12,810.0	5,231.3	823.8	5,292.0	0.00	0.00	0.00
19,000.0	90.00	359.57	12,810.0	5,331.3	823.0	5,391.2	0.00	0.00	0.00
19,100.0	90.00	359.57	12,810.0	5,431.3	822.3	5,490.4	0.00	0.00	0.00
19,200.0	90.00	359.57	12,810.0	5,531.3	821.5	5,589.6	0.00	0.00	0.00
19,300.0	90.00	359.57	12,810.0	5,631.3	820.8	5,688.8	0.00	0.00	0.00
19,400.0	90.00	359.57	12,810.0	5,731.3	820.0	5,788.0	0.00	0.00	0.00
19,500.0	90.00	359.58	12,810.0	5,831.3	819.3	5,887.2	0.00	0.00	0.00
19,600.0	90.00	359.58	12,810.0	5,931.3	818.5	5,986.4	0.00	0.00	0.00
19,700.0	90.00	359.58	12,810.0	6,031.3	817.8	6,085.7	0.00	0.00	0.00
19,800.0	90.00	359.58	12,810.0	6,131.3	817.1	6,184.9	0.00	0.00	0.00
19,900.0	90.00	359.58	12,810.0	6,231.3	816.3	6,284.1	0.00	0.00	0.00
20,000.0	90.00	359.58	12,810.0	6,331.3	815.6	6,383.3	0.00	0.00	0.00
20,100.0	90.00	359.59	12,810.0	6,431.3	814.9	6,482.5	0.00	0.00	0.00
20,200.0	90.00	359.59	12,810.0	6,531.3	814.2	6,581.7	0.00	0.00	0.00
20,300.0	90.00	359.59	12,810.0	6,631.3	813.4	6,680.9	0.00	0.00	0.00
20,400.0	90.00	359.59	12,810.0	6,731.3	812.7	6,780.2	0.00	0.00	0.00
20,503.7	90.00	359.59	12,810.0	6,835.0	812.0	6,883.1	0.00	0.00	0.00
PBHL(Silver Train 17 Fed Com #723H)									

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(Silver Train 17 Fed - plan hits target center - Point	0.00	0.00	12,332.5	-932.0	871.0	409,645.00	801,143.00	32° 7' 24.282 N	103° 29' 38.781 W
FTP(Silver Train 17 Fed - plan hits target center - Point	0.00	0.00	12,545.2	-882.0	871.0	409,695.00	801,143.00	32° 7' 24.777 N	103° 29' 38.777 W
PBHL(Silver Train 17 Fe - plan hits target center - Point	0.00	0.00	12,810.0	6,835.0	812.0	417,412.00	801,084.00	32° 8' 41.142 N	103° 29' 38.764 W
Fed Perf 1(Silver Train 1 - plan hits target center - Point	0.00	0.00	12,810.0	4,301.0	831.0	414,878.00	801,103.00	32° 8' 16.066 N	103° 29' 38.772 W

EOG RESOURCES, INC.
Silver Train 17 Fed Com #723H

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.

- Mud program:

EOG RESOURCES, INC.
Silver Train 17 Fed Com #723H

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.

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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

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 180783

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 180783
	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	2/7/2023
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	2/7/2023
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	2/7/2023
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing	2/7/2023