

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

5. Lease Serial No. NMNM30400

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator EOG RESOURCES INCORPORATED

3a. Address 1111 BAGBY SKY LOBBY 2, HOUSTON, TX 77030 3b. Phone No. (include area code)
(713) 651-70004. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC 1/T25S/R33E/NMP7. If Unit of CA/Agreement, Name and/or No.
RED HILLS NORTH/NMNM104037X

8. Well Name and No. LACEY SWISS 1 FED COM/707H

9. API Well No. 3002549928 30-025-50539

10. Field and Pool or Exploratory Area
BOBCAT DRAW; UPPER WOLFCAMP11. 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	
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal		

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

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

Replacement well for Lacey Swiss 1 Fed Com 707Y due to stuck casing.

Request Name Change for Previously approved Lacey Swiss 707H to 707Y - Existing API# 30-025-49928.

Change SHL from T-25-S, R-33-E, Sec 1, 869' FNL, 18770' FWL, Lea Co., NM, to T-25-S, R-33-E, Sec 1, 869' FNL, 1884' FWL, Lea Co., N.M.

Change BHL from T-25-S, R-33-E, Sec 12, 100' FSL, 1650' FWL, Lea Co., NM,

Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) STAR HARRELL / Ph: (432) 848-9161	Title Regulatory Specialist
Signature	Date 09/07/2022

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved	Title Petroleum Engineer	Date 09/12/2022
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office CARLSBAD	

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

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

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

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

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

Response to this request is mandatory.

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

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

Additional Information

Additional Remarks

to T-25-S, R-33-E, Sec 12, 100' FSL, 1580' FWL, Lea Co., N.M.

EOG requests execution of Variance 3a (attached) to offline cement the intermediate sections.

Location of Well

0. SHL: NENW / 869 FNL / 1870 FWL / TWSP: 25S / RANGE: 33E / SECTION: 1 / LAT: 32.1644223 / LONG: -103.5286289 (TVD: 0 feet, MD: 0 feet)

PPP: NENW / 100 FNL / 1830 FWL / TWSP: 25S / RANGE: 33E / SECTION: 1 / LAT: 32.1665358 / LONG: -103.528665 (TVD: 12198 feet, MD: 12262 feet)

PPP: NESW / 2637 FNL / 1830 FWL / TWSP: 25S / RANGE: 33E / SECTION: 1 / LAT: 32.1595633 / LONG: -103.5286729 (TVD: 12463 feet, MD: 14900 feet)

BHL: SESW / 100 FSL / 1650 FWL / TWSP: 25S / RANGE: 33E / SECTION: 12 / LAT: 32.1380728 / LONG: -103.5286971 (TVD: 12463 feet, MD: 22719 feet)

CONFIDENTIAL

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

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

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025- 50539		² Pool Code 98094		³ Pool Name Bobcat Draw; Upper Wolfcamp	
⁴ Property Code 330827		⁵ Property Name LACEY SWISS 1 FED COM			⁶ Well Number 707H
⁷ OGRID No. 7377		⁸ Operator Name EOG RESOURCES, INC.			⁹ Elevation 3467'

¹⁰Surface Location

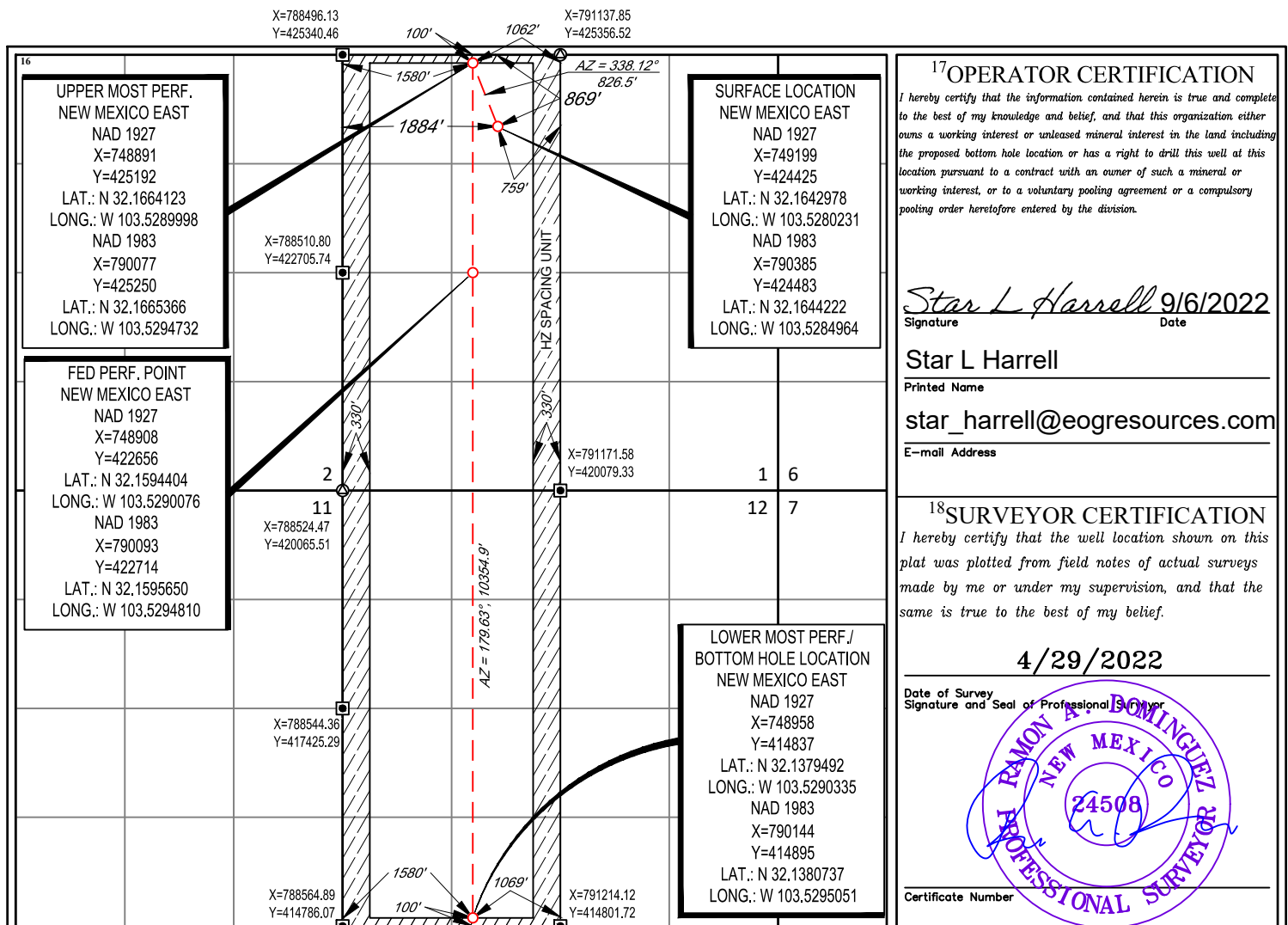
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	1	25-S	33-E	-	869'	NORTH	1884'	WEST	LEA

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	12	25-S	33-E	-	100'	SOUTH	1580'	WEST	LEA

¹² Dedicated Acres 639.72	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



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:** 9/12/2022

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
Lacey Swiss 1 Fed Com 707H		C-1-25S-33E	869' FNL & 1884' FWL	+/- 1000	+/- 3500	+/- 3000

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
Lacey Swiss 1 Fed Com 707H		9/13/22	09/30/22	11/01/22	12/01/22	1/01/23

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: 9/12/2022

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 will 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.



Lacey Swiss 1 Fed Com 707H

Revised Permit Information 04/26/2022:

Well Name: Lacey Swiss 1 Fed Com 707H

Location: SHL: 869' FNL & 1884' FWL, Section 1, T-25-S, R-33-E, Lea Co., N.M.

BHL: 100' FSL & 1580' FWL, Section 12, T-25-S, R-33-E, Lea Co., N.M.

Casing Design A

Hole Size	Interval MD		Interval TVD		Csg OD	Weight	Grade	Conn
	From (ft)	To (ft)	From (ft)	To (ft)				
12-1/4"	0	1,300	0	1,300	9-5/8"	36#	J-55	LTC
8-3/4"	0	11,534	0	11,470	7-5/8"	29.7#	HCP-110	FXL
6-3/4"	0	11,034	0	10,970	5-1/2"	20#	P110-EC	DWC/C IS MS
6-3/4"	11,034	11,534	10,970	11,470	5-1/2"	20#	P110-EC	Vam Sprint SF
6-3/4"	11,534	22,854	11,470	12,588	5-1/2"	20#	P110-EC	DWC/C IS MS

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
1,300' 9-5/8"	350	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl ₂ + 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 @ 1,100')
11,470' 7-5/8"	460	14.2	1.11	1st Stage (Tail): Class C + 0.6% Halad-9 + 0.45% HR-601 + 3% Microbond (TOC @ 7,568')
	1290	14.8	1.5	2nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)
22,854' 5-1/2"	1010	14.2	1.31	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 10,970')



Lacey Swiss 1 Fed Com 707H

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

EOG requests variance from minimum standards to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brushy Canyon (7,768') 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 293 sacks of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. Top 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.

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,300'	Fresh - Gel	8.6-8.8	28-34	N/c
1,300' – 11,470'	Brine	10.0-10.2	28-34	N/c
11,470' – 12,182'	Oil Base	8.7-9.4	58-68	N/c - 6
12,182' – 22,854'	Oil Base	10.0-14.0	58-68	4 - 6



Lacey Swiss 1 Fed Com 707H

Wellhead & Offline Cementing:

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

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



Lacey Swiss 1 Fed Com 707H

869' FNL
1884' FWL
Section 1
T-25-S, R-33-E

Revised Wellbore

KB: 3492'
GL: 3467'

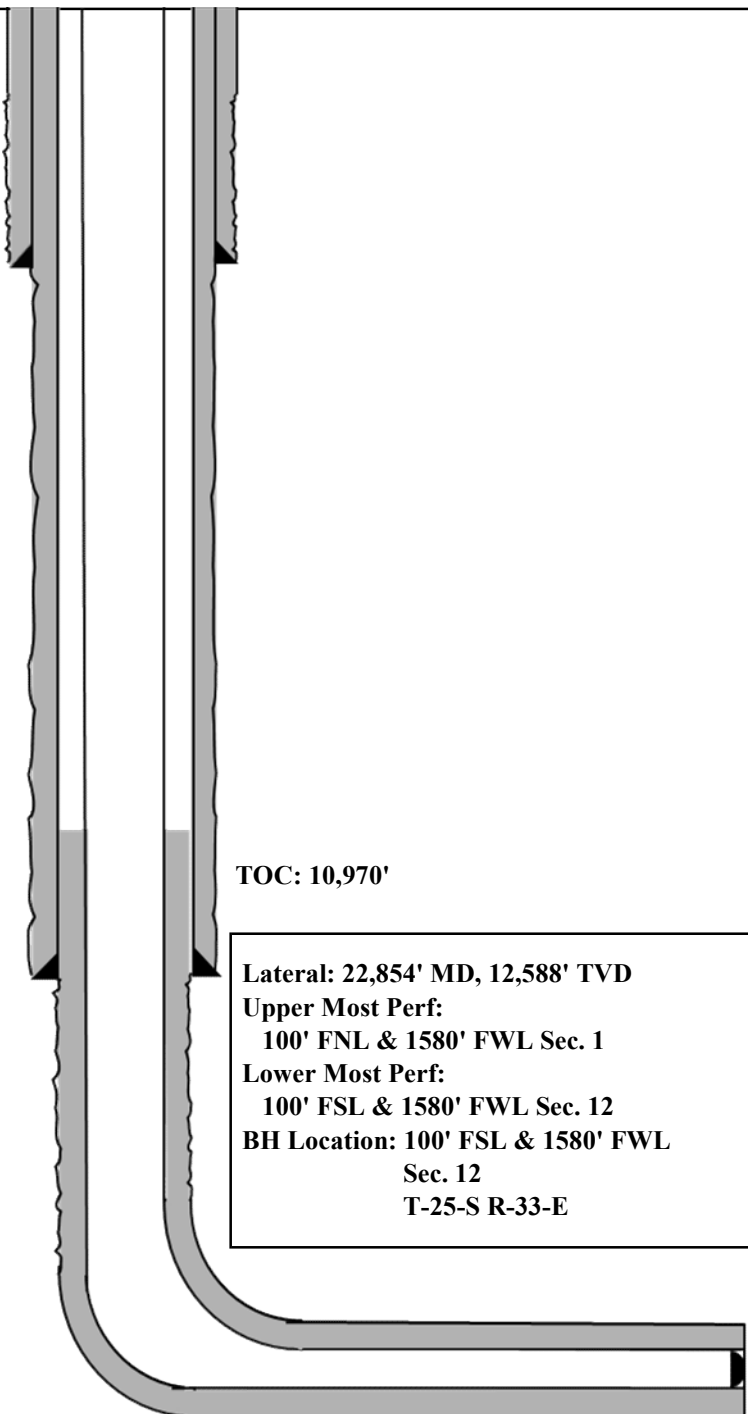
API: 30-025-*****

Bit Size: 12-1/4"
9-5/8", 36#, J-55, LTC,
@ 0' - 1,300'

Bit Size: 8-3/4"
7-5/8", 29.7#, HCP-110, FXL,
@ 0' - 11,470'

Bit Size: 6-3/4"
5-1/2", 20#, P110-EC, DWC/C IS MS,
@ 0' - 10,970'
5-1/2", 20#, P110-EC, Vam Sprint SF,
@ 10,970' - 11,470'
5-1/2", 20#, P110-EC, DWC/C IS MS,
@ 11,470' - 22,854'

KOP: 12,182' MD, 12,115' TVD
EOC: 12,925' MD, 12,586' TVD





Midland

Lea County, NM (NAD 83 NME)

Lacey Swiss 1 Fed Com

#707H

143452

OH

Plan: Plan #0.1

Standard Planning Report

07 September, 2022





Planning Report



Database:	PEDM	Local Co-ordinate Reference:	Well #707H
Company:	Midland	TVD Reference:	KB = 26' @ 3493.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3493.0usft
Site:	Lacey Swiss 1 Fed Com	North Reference:	Grid
Well:	#707H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Project	Lea County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Lacey Swiss 1 Fed Com		
Site Position:		Northing:	425,128.00 usft
From:	Map	Easting:	793,117.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32.1661384°N
		Longitude:	103.5196514°W

Well	#707H		
Well Position	+N/-S	0.0 usft	Northing: 424,483.00 usft
	+E/-W	0.0 usft	Easting: 790,385.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
Grid Convergence:	0.43 °	Ground Level:	3,467.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	8/31/2022	6.38	59.81	47,336.51860652

Design	Plan #0.1				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	181.44	

Plan Survey Tool Program	Date	9/7/2022			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	22,854.3	Plan #0.1 (OH)	EOG MWD+IFR1	
				MWD + IFR1	



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Wellbore:	OH		
Design:	Plan #0.1		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,253.0	9.06	339.34	2,251.1	33.4	-12.6	2.00	2.00	0.00	339.34	
7,344.3	9.06	339.34	7,278.9	783.6	-295.4	0.00	0.00	0.00	0.00	
7,797.3	0.00	0.00	7,730.0	817.0	-308.0	2.00	-2.00	0.00	180.00	
12,181.8	0.00	0.00	12,114.5	817.0	-308.0	0.00	0.00	0.00	0.00	
12,399.0	26.87	180.00	12,323.8	767.0	-308.0	12.37	12.37	82.88	180.00	FTP(LACEY SWISS 1
12,924.5	89.93	179.62	12,585.5	341.7	-306.1	12.00	12.00	-0.07	-0.43	
15,035.2	89.93	179.62	12,588.0	-1,769.0	-292.0	0.00	0.00	0.00	0.00	Fed Perf(LACEY SWI
15,038.5	90.00	179.63	12,588.0	-1,772.4	-292.0	2.00	1.99	0.23	6.56	
22,854.3	90.00	179.63	12,588.3	-9,588.0	-241.0	0.00	0.00	0.00	0.00	PBHL(LACEY SWISS



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Site:	Lacey Swiss 1 Fed Com	North Reference:	Grid
Well:	#707H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	2.00	339.34	1,900.0	1.6	-0.6	-1.6	2.00	2.00	0.00
2,000.0	4.00	339.34	1,999.8	6.5	-2.5	-6.5	2.00	2.00	0.00
2,100.0	6.00	339.34	2,099.5	14.7	-5.5	-14.5	2.00	2.00	0.00
2,200.0	8.00	339.34	2,198.7	26.1	-9.8	-25.8	2.00	2.00	0.00
2,253.0	9.06	339.34	2,251.1	33.4	-12.6	-33.1	2.00	2.00	0.00
2,300.0	9.06	339.34	2,297.5	40.4	-15.2	-40.0	0.00	0.00	0.00
2,400.0	9.06	339.34	2,396.3	55.1	-20.8	-54.6	0.00	0.00	0.00
2,500.0	9.06	339.34	2,495.0	69.8	-26.3	-69.2	0.00	0.00	0.00
2,600.0	9.06	339.34	2,593.8	84.6	-31.9	-83.7	0.00	0.00	0.00
2,700.0	9.06	339.34	2,692.5	99.3	-37.4	-98.3	0.00	0.00	0.00
2,800.0	9.06	339.34	2,791.3	114.0	-43.0	-112.9	0.00	0.00	0.00
2,900.0	9.06	339.34	2,890.0	128.8	-48.5	-127.5	0.00	0.00	0.00
3,000.0	9.06	339.34	2,988.8	143.5	-54.1	-142.1	0.00	0.00	0.00
3,100.0	9.06	339.34	3,087.5	158.2	-59.7	-156.7	0.00	0.00	0.00
3,200.0	9.06	339.34	3,186.3	173.0	-65.2	-171.3	0.00	0.00	0.00
3,300.0	9.06	339.34	3,285.1	187.7	-70.8	-185.9	0.00	0.00	0.00
3,400.0	9.06	339.34	3,383.8	202.4	-76.3	-200.5	0.00	0.00	0.00
3,500.0	9.06	339.34	3,482.6	217.2	-81.9	-215.0	0.00	0.00	0.00
3,600.0	9.06	339.34	3,581.3	231.9	-87.4	-229.6	0.00	0.00	0.00
3,700.0	9.06	339.34	3,680.1	246.6	-93.0	-244.2	0.00	0.00	0.00
3,800.0	9.06	339.34	3,778.8	261.4	-98.5	-258.8	0.00	0.00	0.00
3,900.0	9.06	339.34	3,877.6	276.1	-104.1	-273.4	0.00	0.00	0.00
4,000.0	9.06	339.34	3,976.3	290.8	-109.6	-288.0	0.00	0.00	0.00
4,100.0	9.06	339.34	4,075.1	305.6	-115.2	-302.6	0.00	0.00	0.00
4,200.0	9.06	339.34	4,173.8	320.3	-120.7	-317.2	0.00	0.00	0.00
4,300.0	9.06	339.34	4,272.6	335.0	-126.3	-331.8	0.00	0.00	0.00
4,400.0	9.06	339.34	4,371.3	349.8	-131.9	-346.3	0.00	0.00	0.00
4,500.0	9.06	339.34	4,470.1	364.5	-137.4	-360.9	0.00	0.00	0.00
4,600.0	9.06	339.34	4,568.8	379.2	-143.0	-375.5	0.00	0.00	0.00
4,700.0	9.06	339.34	4,667.6	394.0	-148.5	-390.1	0.00	0.00	0.00
4,800.0	9.06	339.34	4,766.3	408.7	-154.1	-404.7	0.00	0.00	0.00
4,900.0	9.06	339.34	4,865.1	423.4	-159.6	-419.3	0.00	0.00	0.00
5,000.0	9.06	339.34	4,963.8	438.2	-165.2	-433.9	0.00	0.00	0.00
5,100.0	9.06	339.34	5,062.6	452.9	-170.7	-448.5	0.00	0.00	0.00
5,200.0	9.06	339.34	5,161.4	467.6	-176.3	-463.1	0.00	0.00	0.00



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Wellbore:	OH		
Design:	Plan #0.1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,300.0	9.06	339.34	5,260.1	482.4	-181.8	-477.6	0.00	0.00	0.00	
5,400.0	9.06	339.34	5,358.9	497.1	-187.4	-492.2	0.00	0.00	0.00	
5,500.0	9.06	339.34	5,457.6	511.8	-193.0	-506.8	0.00	0.00	0.00	
5,600.0	9.06	339.34	5,556.4	526.6	-198.5	-521.4	0.00	0.00	0.00	
5,700.0	9.06	339.34	5,655.1	541.3	-204.1	-536.0	0.00	0.00	0.00	
5,800.0	9.06	339.34	5,753.9	556.0	-209.6	-550.6	0.00	0.00	0.00	
5,900.0	9.06	339.34	5,852.6	570.8	-215.2	-565.2	0.00	0.00	0.00	
6,000.0	9.06	339.34	5,951.4	585.5	-220.7	-579.8	0.00	0.00	0.00	
6,100.0	9.06	339.34	6,050.1	600.2	-226.3	-594.4	0.00	0.00	0.00	
6,200.0	9.06	339.34	6,148.9	615.0	-231.8	-608.9	0.00	0.00	0.00	
6,300.0	9.06	339.34	6,247.6	629.7	-237.4	-623.5	0.00	0.00	0.00	
6,400.0	9.06	339.34	6,346.4	644.4	-242.9	-638.1	0.00	0.00	0.00	
6,500.0	9.06	339.34	6,445.1	659.2	-248.5	-652.7	0.00	0.00	0.00	
6,600.0	9.06	339.34	6,543.9	673.9	-254.1	-667.3	0.00	0.00	0.00	
6,700.0	9.06	339.34	6,642.6	688.6	-259.6	-681.9	0.00	0.00	0.00	
6,800.0	9.06	339.34	6,741.4	703.4	-265.2	-696.5	0.00	0.00	0.00	
6,900.0	9.06	339.34	6,840.1	718.1	-270.7	-711.1	0.00	0.00	0.00	
7,000.0	9.06	339.34	6,938.9	732.8	-276.3	-725.7	0.00	0.00	0.00	
7,100.0	9.06	339.34	7,037.7	747.6	-281.8	-740.2	0.00	0.00	0.00	
7,200.0	9.06	339.34	7,136.4	762.3	-287.4	-754.8	0.00	0.00	0.00	
7,300.0	9.06	339.34	7,235.2	777.0	-292.9	-769.4	0.00	0.00	0.00	
7,344.3	9.06	339.34	7,278.9	783.6	-295.4	-775.9	0.00	0.00	0.00	
7,400.0	7.95	339.34	7,334.0	791.3	-298.3	-783.5	2.00	-2.00	0.00	
7,500.0	5.95	339.34	7,433.3	802.6	-302.6	-794.7	2.00	-2.00	0.00	
7,600.0	3.95	339.34	7,532.9	810.6	-305.6	-802.7	2.00	-2.00	0.00	
7,700.0	1.95	339.34	7,632.7	815.5	-307.4	-807.5	2.00	-2.00	0.00	
7,797.3	0.00	0.00	7,730.0	817.0	-308.0	-809.0	2.00	-2.00	0.00	
7,800.0	0.00	0.00	7,732.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,832.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,932.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,032.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,132.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,232.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,332.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,432.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,532.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,632.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,732.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,832.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,932.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
9,100.0	0.00	0.00	9,032.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,132.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,232.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,332.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,432.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,532.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,632.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,732.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,832.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
10,000.0	0.00	0.00	9,932.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
10,100.0	0.00	0.00	10,032.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
10,200.0	0.00	0.00	10,132.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
10,300.0	0.00	0.00	10,232.7	817.0	-308.0	-809.0	0.00	0.00	0.00	
10,400.0	0.00	0.00	10,332.7	817.0	-308.0	-809.0	0.00	0.00	0.00	



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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)
10,500.0	0.00	0.00	10,432.7	817.0	-308.0	-809.0	0.00	0.00	0.00
10,600.0	0.00	0.00	10,532.7	817.0	-308.0	-809.0	0.00	0.00	0.00
10,700.0	0.00	0.00	10,632.7	817.0	-308.0	-809.0	0.00	0.00	0.00
10,800.0	0.00	0.00	10,732.7	817.0	-308.0	-809.0	0.00	0.00	0.00
10,900.0	0.00	0.00	10,832.7	817.0	-308.0	-809.0	0.00	0.00	0.00
11,000.0	0.00	0.00	10,932.7	817.0	-308.0	-809.0	0.00	0.00	0.00
11,100.0	0.00	0.00	11,032.7	817.0	-308.0	-809.0	0.00	0.00	0.00
11,200.0	0.00	0.00	11,132.7	817.0	-308.0	-809.0	0.00	0.00	0.00
11,300.0	0.00	0.00	11,232.7	817.0	-308.0	-809.0	0.00	0.00	0.00
11,400.0	0.00	0.00	11,332.7	817.0	-308.0	-809.0	0.00	0.00	0.00
11,500.0	0.00	0.00	11,432.7	817.0	-308.0	-809.0	0.00	0.00	0.00
11,600.0	0.00	0.00	11,532.7	817.0	-308.0	-809.0	0.00	0.00	0.00
11,700.0	0.00	0.00	11,632.7	817.0	-308.0	-809.0	0.00	0.00	0.00
11,800.0	0.00	0.00	11,732.7	817.0	-308.0	-809.0	0.00	0.00	0.00
11,900.0	0.00	0.00	11,832.7	817.0	-308.0	-809.0	0.00	0.00	0.00
12,000.0	0.00	0.00	11,932.7	817.0	-308.0	-809.0	0.00	0.00	0.00
12,100.0	0.00	0.00	12,032.7	817.0	-308.0	-809.0	0.00	0.00	0.00
12,181.8	0.00	0.00	12,114.5	817.0	-308.0	-809.0	0.00	0.00	0.00
12,200.0	2.25	180.00	12,132.7	816.6	-308.0	-808.6	12.37	12.37	0.00
12,225.0	5.35	180.00	12,157.7	815.0	-308.0	-807.0	12.37	12.37	0.00
12,250.0	8.44	180.00	12,182.5	812.0	-308.0	-804.0	12.37	12.37	0.00
12,275.0	11.53	180.00	12,207.1	807.6	-308.0	-799.7	12.37	12.37	0.00
12,300.0	14.63	180.00	12,231.4	802.0	-308.0	-794.0	12.37	12.37	0.00
12,325.0	17.72	180.00	12,255.4	795.0	-308.0	-787.0	12.37	12.37	0.00
12,350.0	20.81	180.00	12,279.0	786.8	-308.0	-778.8	12.37	12.37	0.00
12,375.0	23.91	180.00	12,302.2	777.3	-308.0	-769.3	12.37	12.37	0.00
12,399.0	26.87	180.00	12,323.8	767.0	-308.0	-759.0	12.37	12.37	0.00
12,400.0	27.00	180.00	12,324.7	766.5	-308.0	-758.5	12.00	12.00	-0.20
12,425.0	30.00	179.95	12,346.7	754.6	-308.0	-746.6	12.00	12.00	-0.18
12,450.0	33.00	179.92	12,368.0	741.5	-308.0	-733.6	12.00	12.00	-0.15
12,475.0	36.00	179.88	12,388.6	727.4	-308.0	-719.4	12.00	12.00	-0.13
12,500.0	39.00	179.86	12,408.5	712.2	-307.9	-704.2	12.00	12.00	-0.11
12,525.0	42.00	179.83	12,427.5	695.9	-307.9	-688.0	12.00	12.00	-0.10
12,550.0	45.00	179.81	12,445.6	678.7	-307.8	-670.8	12.00	12.00	-0.09
12,575.0	48.00	179.79	12,462.8	660.6	-307.8	-652.7	12.00	12.00	-0.08
12,600.0	51.00	179.77	12,479.0	641.6	-307.7	-633.7	12.00	12.00	-0.07
12,625.0	54.00	179.76	12,494.3	621.8	-307.6	-613.8	12.00	12.00	-0.06
12,650.0	57.00	179.74	12,508.4	601.2	-307.5	-593.2	12.00	12.00	-0.06
12,675.0	60.00	179.73	12,521.5	579.8	-307.4	-571.9	12.00	12.00	-0.06
12,700.0	63.00	179.72	12,533.4	557.9	-307.3	-550.0	12.00	12.00	-0.05
12,725.0	66.00	179.70	12,544.2	535.3	-307.2	-527.4	12.00	12.00	-0.05
12,750.0	69.00	179.69	12,553.7	512.2	-307.1	-504.3	12.00	12.00	-0.05
12,775.0	72.00	179.68	12,562.1	488.7	-307.0	-480.8	12.00	12.00	-0.05
12,800.0	75.00	179.67	12,569.2	464.7	-306.8	-456.8	12.00	12.00	-0.04
12,825.0	78.00	179.66	12,575.0	440.4	-306.7	-432.5	12.00	12.00	-0.04
12,850.0	81.00	179.65	12,579.6	415.8	-306.5	-408.0	12.00	12.00	-0.04
12,875.0	84.00	179.64	12,582.8	391.0	-306.4	-383.2	12.00	12.00	-0.04
12,900.0	87.00	179.63	12,584.8	366.1	-306.2	-358.3	12.00	12.00	-0.04
12,924.5	89.93	179.62	12,585.5	341.7	-306.1	-333.9	12.00	12.00	-0.04
13,000.0	89.93	179.62	12,585.5	266.1	-305.5	-258.4	0.00	0.00	0.00
13,100.0	89.93	179.62	12,585.7	166.1	-304.9	-158.4	0.00	0.00	0.00
13,200.0	89.93	179.62	12,585.8	66.1	-304.2	-58.5	0.00	0.00	0.00
13,300.0	89.93	179.62	12,585.9	-33.9	-303.6	41.5	0.00	0.00	0.00
13,400.0	89.93	179.62	12,586.0	-133.9	-302.9	141.4	0.00	0.00	0.00



Planning Report



Database:	PEDM	Local Co-ordinate Reference:	Well #707H
Company:	Midland	TVD Reference:	KB = 26' @ 3493.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3493.0usft
Site:	Lacey Swiss 1 Fed Com	North Reference:	Grid
Well:	#707H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,500.0	89.93	179.62	12,586.2	-233.9	-302.2	241.4	0.00	0.00	0.00
13,600.0	89.93	179.62	12,586.3	-333.9	-301.6	341.3	0.00	0.00	0.00
13,700.0	89.93	179.62	12,586.4	-433.9	-300.9	441.3	0.00	0.00	0.00
13,800.0	89.93	179.62	12,586.5	-533.9	-300.2	541.2	0.00	0.00	0.00
13,900.0	89.93	179.62	12,586.6	-633.9	-299.6	641.2	0.00	0.00	0.00
14,000.0	89.93	179.62	12,586.8	-733.9	-298.9	741.1	0.00	0.00	0.00
14,100.0	89.93	179.62	12,586.9	-833.9	-298.2	841.1	0.00	0.00	0.00
14,200.0	89.93	179.62	12,587.0	-933.8	-297.6	941.0	0.00	0.00	0.00
14,300.0	89.93	179.62	12,587.1	-1,033.8	-296.9	1,041.0	0.00	0.00	0.00
14,400.0	89.93	179.62	12,587.2	-1,133.8	-296.2	1,140.9	0.00	0.00	0.00
14,500.0	89.93	179.62	12,587.4	-1,233.8	-295.6	1,240.9	0.00	0.00	0.00
14,600.0	89.93	179.62	12,587.5	-1,333.8	-294.9	1,340.8	0.00	0.00	0.00
14,700.0	89.93	179.62	12,587.6	-1,433.8	-294.2	1,440.8	0.00	0.00	0.00
14,800.0	89.93	179.62	12,587.7	-1,533.8	-293.6	1,540.7	0.00	0.00	0.00
14,900.0	89.93	179.62	12,587.8	-1,633.8	-292.9	1,640.7	0.00	0.00	0.00
15,000.0	89.93	179.62	12,588.0	-1,733.8	-292.2	1,740.6	0.00	0.00	0.00
15,035.2	89.93	179.62	12,588.0	-1,769.0	-292.0	1,775.8	0.00	0.00	0.00
15,038.5	90.00	179.63	12,588.0	-1,772.4	-292.0	1,779.1	2.00	1.99	0.23
15,100.0	90.00	179.63	12,588.0	-1,833.8	-291.6	1,840.6	0.00	0.00	0.00
15,200.0	90.00	179.63	12,588.0	-1,933.8	-290.9	1,940.5	0.00	0.00	0.00
15,300.0	90.00	179.63	12,588.0	-2,033.8	-290.3	2,040.5	0.00	0.00	0.00
15,400.0	90.00	179.63	12,588.0	-2,133.8	-289.6	2,140.4	0.00	0.00	0.00
15,500.0	90.00	179.63	12,588.0	-2,233.8	-289.0	2,240.4	0.00	0.00	0.00
15,600.0	90.00	179.63	12,588.0	-2,333.8	-288.3	2,340.3	0.00	0.00	0.00
15,700.0	90.00	179.63	12,588.0	-2,433.8	-287.7	2,440.3	0.00	0.00	0.00
15,800.0	90.00	179.63	12,588.0	-2,533.8	-287.0	2,540.2	0.00	0.00	0.00
15,900.0	90.00	179.63	12,588.0	-2,633.8	-286.4	2,640.2	0.00	0.00	0.00
16,000.0	90.00	179.63	12,588.0	-2,733.8	-285.7	2,740.1	0.00	0.00	0.00
16,100.0	90.00	179.63	12,588.0	-2,833.8	-285.1	2,840.1	0.00	0.00	0.00
16,200.0	90.00	179.63	12,588.0	-2,933.8	-284.4	2,940.0	0.00	0.00	0.00
16,300.0	90.00	179.63	12,588.0	-3,033.8	-283.8	3,040.0	0.00	0.00	0.00
16,400.0	90.00	179.63	12,588.1	-3,133.8	-283.1	3,139.9	0.00	0.00	0.00
16,500.0	90.00	179.63	12,588.1	-3,233.8	-282.4	3,239.9	0.00	0.00	0.00
16,600.0	90.00	179.63	12,588.1	-3,333.8	-281.8	3,339.8	0.00	0.00	0.00
16,700.0	90.00	179.63	12,588.1	-3,433.8	-281.1	3,439.8	0.00	0.00	0.00
16,800.0	90.00	179.63	12,588.1	-3,533.8	-280.5	3,539.7	0.00	0.00	0.00
16,900.0	90.00	179.63	12,588.1	-3,633.8	-279.8	3,639.7	0.00	0.00	0.00
17,000.0	90.00	179.63	12,588.1	-3,733.8	-279.2	3,739.6	0.00	0.00	0.00
17,100.0	90.00	179.63	12,588.1	-3,833.8	-278.5	3,839.6	0.00	0.00	0.00
17,200.0	90.00	179.63	12,588.1	-3,933.8	-277.9	3,939.5	0.00	0.00	0.00
17,300.0	90.00	179.63	12,588.1	-4,033.8	-277.2	4,039.5	0.00	0.00	0.00
17,400.0	90.00	179.63	12,588.1	-4,133.8	-276.6	4,139.4	0.00	0.00	0.00
17,500.0	90.00	179.63	12,588.1	-4,233.8	-275.9	4,239.4	0.00	0.00	0.00
17,600.0	90.00	179.63	12,588.1	-4,333.8	-275.3	4,339.3	0.00	0.00	0.00
17,700.0	90.00	179.63	12,588.1	-4,433.8	-274.6	4,439.3	0.00	0.00	0.00
17,800.0	90.00	179.63	12,588.1	-4,533.8	-274.0	4,539.2	0.00	0.00	0.00
17,900.0	90.00	179.63	12,588.1	-4,633.8	-273.3	4,639.2	0.00	0.00	0.00
18,000.0	90.00	179.63	12,588.1	-4,733.8	-272.7	4,739.1	0.00	0.00	0.00
18,100.0	90.00	179.63	12,588.1	-4,833.8	-272.0	4,839.1	0.00	0.00	0.00
18,200.0	90.00	179.63	12,588.1	-4,933.8	-271.4	4,939.0	0.00	0.00	0.00
18,300.0	90.00	179.63	12,588.1	-5,033.8	-270.7	5,039.0	0.00	0.00	0.00
18,400.0	90.00	179.63	12,588.1	-5,133.8	-270.1	5,138.9	0.00	0.00	0.00
18,500.0	90.00	179.63	12,588.1	-5,233.8	-269.4	5,238.9	0.00	0.00	0.00
18,600.0	90.00	179.63	12,588.1	-5,333.8	-268.7	5,338.8	0.00	0.00	0.00



Planning Report



Database:	PEDM	Local Co-ordinate Reference:	Well #707H
Company:	Midland	TVD Reference:	KB = 26' @ 3493.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3493.0usft
Site:	Lacey Swiss 1 Fed Com	North Reference:	Grid
Well:	#707H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,700.0	90.00	179.63	12,588.1	-5,433.8	-268.1	5,438.8	0.00	0.00	0.00
18,800.0	90.00	179.63	12,588.1	-5,533.8	-267.4	5,538.7	0.00	0.00	0.00
18,900.0	90.00	179.63	12,588.1	-5,633.7	-266.8	5,638.7	0.00	0.00	0.00
19,000.0	90.00	179.63	12,588.2	-5,733.7	-266.1	5,738.6	0.00	0.00	0.00
19,100.0	90.00	179.63	12,588.2	-5,833.7	-265.5	5,838.6	0.00	0.00	0.00
19,200.0	90.00	179.63	12,588.2	-5,933.7	-264.8	5,938.5	0.00	0.00	0.00
19,300.0	90.00	179.63	12,588.2	-6,033.7	-264.2	6,038.5	0.00	0.00	0.00
19,400.0	90.00	179.63	12,588.2	-6,133.7	-263.5	6,138.4	0.00	0.00	0.00
19,500.0	90.00	179.63	12,588.2	-6,233.7	-262.9	6,238.4	0.00	0.00	0.00
19,600.0	90.00	179.63	12,588.2	-6,333.7	-262.2	6,338.3	0.00	0.00	0.00
19,700.0	90.00	179.63	12,588.2	-6,433.7	-261.6	6,438.3	0.00	0.00	0.00
19,800.0	90.00	179.63	12,588.2	-6,533.7	-260.9	6,538.2	0.00	0.00	0.00
19,900.0	90.00	179.63	12,588.2	-6,633.7	-260.3	6,638.2	0.00	0.00	0.00
20,000.0	90.00	179.63	12,588.2	-6,733.7	-259.6	6,738.1	0.00	0.00	0.00
20,100.0	90.00	179.63	12,588.2	-6,833.7	-259.0	6,838.1	0.00	0.00	0.00
20,200.0	90.00	179.63	12,588.2	-6,933.7	-258.3	6,938.0	0.00	0.00	0.00
20,300.0	90.00	179.63	12,588.2	-7,033.7	-257.7	7,038.0	0.00	0.00	0.00
20,400.0	90.00	179.63	12,588.2	-7,133.7	-257.0	7,137.9	0.00	0.00	0.00
20,500.0	90.00	179.63	12,588.2	-7,233.7	-256.4	7,237.9	0.00	0.00	0.00
20,600.0	90.00	179.63	12,588.2	-7,333.7	-255.7	7,337.8	0.00	0.00	0.00
20,700.0	90.00	179.63	12,588.2	-7,433.7	-255.1	7,437.8	0.00	0.00	0.00
20,800.0	90.00	179.63	12,588.2	-7,533.7	-254.4	7,537.7	0.00	0.00	0.00
20,900.0	90.00	179.63	12,588.2	-7,633.7	-253.7	7,637.7	0.00	0.00	0.00
21,000.0	90.00	179.63	12,588.2	-7,733.7	-253.1	7,737.6	0.00	0.00	0.00
21,100.0	90.00	179.63	12,588.2	-7,833.7	-252.4	7,837.6	0.00	0.00	0.00
21,200.0	90.00	179.63	12,588.2	-7,933.7	-251.8	7,937.5	0.00	0.00	0.00
21,300.0	90.00	179.63	12,588.2	-8,033.7	-251.1	8,037.5	0.00	0.00	0.00
21,400.0	90.00	179.63	12,588.2	-8,133.7	-250.5	8,137.4	0.00	0.00	0.00
21,500.0	90.00	179.63	12,588.2	-8,233.7	-249.8	8,237.4	0.00	0.00	0.00
21,600.0	90.00	179.63	12,588.3	-8,333.7	-249.2	8,337.3	0.00	0.00	0.00
21,700.0	90.00	179.63	12,588.3	-8,433.7	-248.5	8,437.3	0.00	0.00	0.00
21,800.0	90.00	179.63	12,588.3	-8,533.7	-247.9	8,537.2	0.00	0.00	0.00
21,900.0	90.00	179.63	12,588.3	-8,633.7	-247.2	8,637.2	0.00	0.00	0.00
22,000.0	90.00	179.63	12,588.3	-8,733.7	-246.6	8,737.1	0.00	0.00	0.00
22,100.0	90.00	179.63	12,588.3	-8,833.7	-245.9	8,837.1	0.00	0.00	0.00
22,200.0	90.00	179.63	12,588.3	-8,933.7	-245.3	8,937.0	0.00	0.00	0.00
22,300.0	90.00	179.63	12,588.3	-9,033.7	-244.6	9,037.0	0.00	0.00	0.00
22,400.0	90.00	179.63	12,588.3	-9,133.7	-244.0	9,136.9	0.00	0.00	0.00
22,500.0	90.00	179.63	12,588.3	-9,233.7	-243.3	9,236.9	0.00	0.00	0.00
22,600.0	90.00	179.63	12,588.3	-9,333.7	-242.7	9,336.8	0.00	0.00	0.00
22,700.0	90.00	179.63	12,588.3	-9,433.7	-242.0	9,436.8	0.00	0.00	0.00
22,800.0	90.00	179.63	12,588.3	-9,533.7	-241.4	9,536.7	0.00	0.00	0.00
22,854.3	90.00	179.63	12,588.3	-9,588.0	-241.0	9,591.0	0.00	0.00	0.00



Planning Report



Database:	PEDM	Local Co-ordinate Reference:	Well #707H
Company:	Midland	TVD Reference:	KB = 26' @ 3493.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3493.0usft
Site:	Lacey Swiss 1 Fed Com	North Reference:	Grid
Well:	#707H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
Brushy Top(LACEY SWI	0.00	0.00	12,213.0	817.0	-308.0	425,300.00	790,077.00	32.1666740°N	103.5294709°W
- plan misses target center by 10.4usft at 12278.6usft MD (12210.7 TVD, 806.9 N, -308.0 E)									
- Polygon									
Point 1			12,213.0	30.0	-60.0	425,330.00	790,017.00		
Point 2			12,213.0	30.0	30.0	425,330.00	790,107.00		
Point 3			12,213.0	-50.0	30.0	425,250.00	790,107.00		
Point 4			12,213.0	-50.0	-60.0	425,250.00	790,017.00		
FTP(LACEY SWISS 1 F	0.00	0.00	12,323.8	767.0	-308.0	425,250.00	790,077.00	32.1665366°N	103.5294721°W
- plan hits target center									
- Point									
Fed Perf(LACEY SWISS	0.00	0.00	12,588.0	-1,769.0	-292.0	422,714.00	790,093.00	32.1595656°N	103.5294816°W
- plan hits target center									
- Point									
PBHL(LACEY SWISS 1	90.00	179.63	12,588.3	-9,588.0	-241.0	414,895.00	790,144.00	32.1380727°N	103.5295054°W
- plan hits target center									
- Rectangle (sides W60.0 H0.0 D10,344.9)									

Lea County, NM (NAD 83 NME)

Lacey Swiss 1 Fed Com #707H

Plan #0.1



To convert a Magnetic Direction to a Grid Direction, Add 5.95°
To convert a Magnetic Direction to a True Direction, Add 6.38° East
To convert a True Direction to a Grid Direction, Subtract 0.43°

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #707H

KB = 26' @ 3493.0usft 3467.0

Northing	Easting	Latitude	Longitude
424483.00	790385.00	32.1644220°N	103.5284953°W

SECTION DETAILS

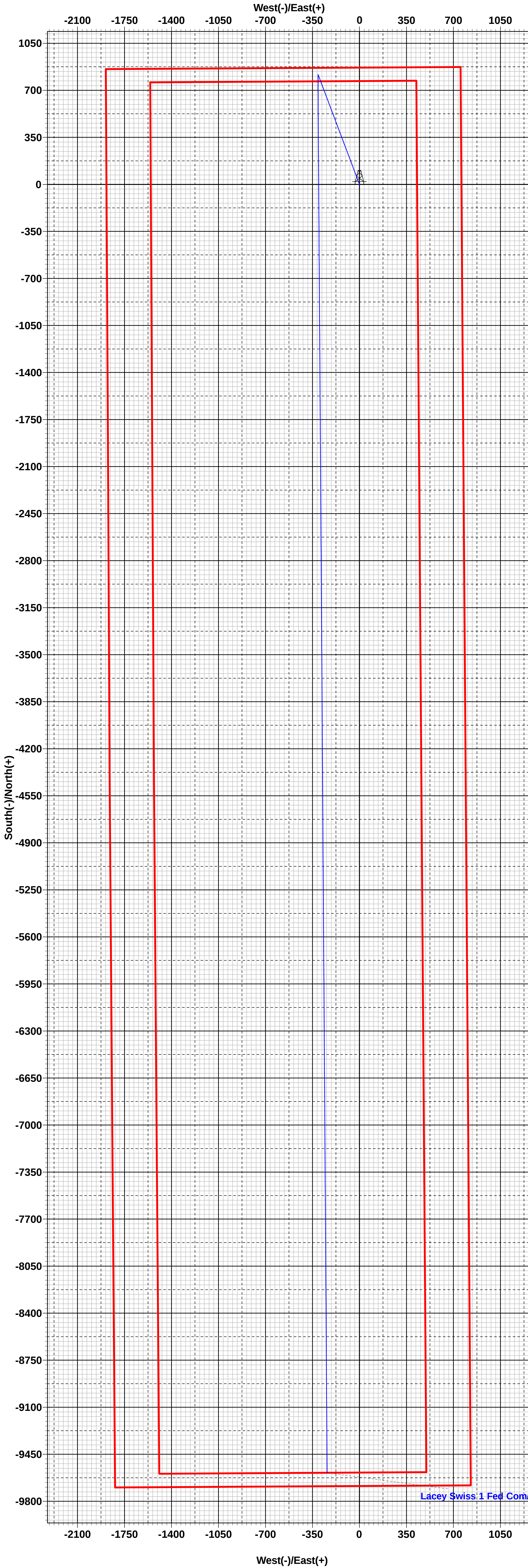
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1800.0	0.00	0.00	1800.0	0.0	0.0	0.00	0.00	0.0	
3	2253.0	9.06	339.34	2251.1	33.4	-12.6	2.00	339.34	-33.1	
4	7344.3	9.06	339.34	7278.9	783.6	-295.4	0.00	0.00	-775.9	
5	7797.3	0.00	0.00	7730.0	817.0	-308.0	2.00	180.00	-809.0	
6	12181.8	0.00	0.00	12114.5	817.0	-308.0	0.00	0.00	-809.0	
7	12399.0	26.87	180.00	12323.8	767.0	-308.0	12.37	180.00	-759.0	FTP(LACEY SWISS 1 FED COM #707H)
8	12924.5	89.93	179.62	12585.5	341.7	-306.1	12.00	-0.43	-333.9	
9	15035.2	89.93	179.62	12588.0	-1769.0	-292.0	0.00	0.00	1775.8	Fed Perf(LACEY SWISS 1 FED COM #707H)
10	15038.5	90.00	179.63	12588.0	-1772.4	-292.0	2.00	6.56	1779.1	
11	22854.3	90.00	179.63	12588.3	-9588.0	-241.0	0.00	0.00	9591.0	PBHL(LACEY SWISS 1 FED COM #707H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP(LACEY SWISS 1 FED COM #707H)	12323.8	767.0	-308.0	425250.00	790077.00
Fed Perf(LACEY SWISS 1 FED COM #707H)	12588.0	-1769.0	-292.0	422714.00	790093.00
PBHL(LACEY SWISS 1 FED COM #707H)	12588.3	-9588.0	-241.0	414895.00	790144.00
Brushy Top(LACEY SWISS 1 FED COM #707H)	12213.0	817.0	-308.0	425300.00	790077.00



Lacey Swiss 1 Fed Com/#707H/Plan #0.1

Vertical Section at 181.44°

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 142379

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID:
	7377
	Action Number: 142379
	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	9/12/2022
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	9/12/2022
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	9/12/2022
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing	9/12/2022