

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

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

7. If Unit of CA/Agreement, Name and/or No.
RED HILLS NORTH/NMNM104037X

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

2. Name of Operator **EOG RESOURCES INCORPORATED**

9. API Well No. **3002549928**

3a. Address **1111 BAGBY SKY LOBBY 2, HOUSTON, TX 770** 3b. Phone No. (include area code)
(713) 651-7000

10. Field and Pool or Exploratory Area
WC025 G08 S253235G; LOWER BONE SPRING/W02

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)
SEC 1/T25S/R33E/NMP

11. Country or Parish, State
LEA/NM

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

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

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be 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 recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

1. RIH with 5-1/2 CICR and set at 7020
2. Pressure test casing to 1000 psi with 13.2 ppg OBM.
3. MIRU cementing equipment. Pump cement via CICR as follows:
 - a. 40 bbls of 13.7 ppg spacer
 - b. 230 bbls (1050 sx) of 35:65 Poz:Class H cement (14.5 ppg/1.23 yield)
 - c. Leave 7 bbls (32 sx) of cement in DP prior to pulling out of CICR
 - d. Pull out of CICR leaving 7 bbls (152) of cement on top of CICR
4. Circulate hole clean with 13.2 ppg OBM
5. Displace hole with clean 8.44 ppg FW
6. TOH LD DP.
7. Install Cactus WH cap.
8. Skid rig to Lacey Swiss 1 FC 709H

Accepted for Record Only

SUBJECT TO LIKE APPROVAL BY BLM

K7

NMOCD 9/22/22

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

Title **Regulatory Specialist**

Signature

Star L Harrell

Date

09/09/2022

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

KEITH P IMMATTY / Ph: (575) 988-4722 / Approved

Title **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

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

EOG Resources
Lacey Swiss 1 FC 707H
Proposed Procedure to TA Well
9/9/2022

General Drilling Info:

API Number: 30-025-49928
 Lease Serial No: NMNM30400
 Surface Location: 869' FNL & 1843' FWL
 Sec 1-T25S-R33E

Casing Information

9-5/8" 40# J55 LTC: 1,368' MD/TVD
 7-5/8" 29.7# ICYP110 MO FXL 11,626' MD/11,551' TVD (shoe set in 3rd BS formation)

Current/Final TD: 22,713' MD/12,591' TVD (Wolfcamp formation)

Formation tops: Please see the attached EXISTING wellbore diagram

Current Status:

Subject well was drilled to a final TD of 22,713' MD. While running 5-1/2" production casing the casing became stuck at 19,435' MD (3,278' off btm). After running free-point operations several unsuccessful attempts were made to pull the production casing. The casing was then severed at 11,900' MD and 1722' of 5-1/2" casing was pulled out of the hole over a 2 day period. The 5-1/2" casing was then cut at 7,125' allowing the 5-1/2" casing to be recovered from that point. Finally another two unsuccessful attempts were made to fish the 5-1/2" casing stub out of the hole before the decision was made to TA the well.

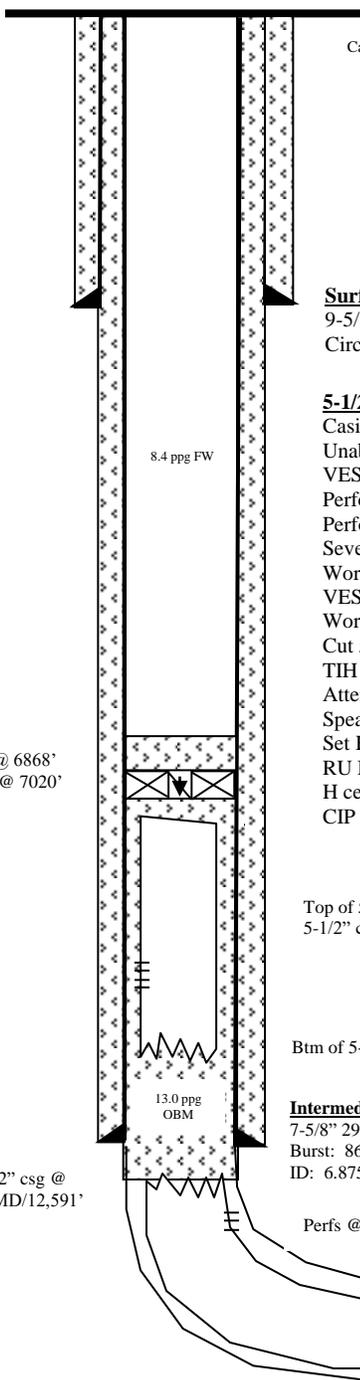
Recommended Procedure to TA Well:

1. RIH with 5-1/2" CICR and set at 7020'
2. Pressure test casing to 1000 psi with 13.2 ppg OBM.
3. MIRU cementing equipment. Pump cement via CICR as follows:
 - a. 40 bbls of 13.7 ppg spacer
 - b. 230 bbls (1050 sx) of 35:65 Poz:Class H cement (14.5 ppg/1.23 yield)
 - c. Leave 7 bbls (32 sx) of cement in DP prior to pulling out of CICR
 - d. Pull out of CICR leaving 7 bbls (152') of cement on top of CICR
4. Circulate hole clean with 13.2 ppg OBM
5. Displace hole with clean 8.44 ppg FW
6. TOH LD DP.
7. Install Cactus WH cap.
8. Skid rig to Lacey Swiss 1 FC 709H.

EOG Resources
Lacey Swiss 1 Fed Com 707H
Red Hills North Field
 30-025-49928
 869' FNL & 1843' FWL
 Section 1 T25S R33E
 Lea County, New Mexico

Temporarily Abandoned
WBD – 8/28/2022

Formation Top	TVD
Rustler	1193'
Top of Salt	1681'
Base of Salt	5000'
Lamar	5203'
Bell Canyon	5225'
Cherry Canyon	6262'
Brushy Canyon	7784'
Bone Spring Lime	9258'
Leonard	9330'
First BS Sand	10266'
Second BS Shale	10532'
Second BS Sand	10863'
Third BS Carb	11353'
Third BS Sand	11899'
Wolfcamp	12,344'



Cactus WH Night Cap Installed

Surface Casing @ 1368' MD/TVD

9-5/8" 40# 155 LTC
 Circulated 55 bbls CTS

5-1/2" 20# RDT BTX Production Casing

Casing Shoe @ 19,435" MD
 Unable to pull casing OOH
 VES ran CBL No. 1 to 12,675'
 Perforated 5-1/2" casing with 3 x 0.5" diameter perforations @ 11,925' – Unable to circ thru perfs
 Perforated 5-1/2" casing with 4 x 0.3" diameter perforations @ 11,525' – Partial returns with 2400 to 1800 psi pmp pressure
 Severed 5-1/2" casing @ 11,900' (8/20/2022)
 Worked 5-1/2" casing OOH from 11,900' to 10,448' (1452'±48 hrs)
 VES ran CBL No. 2 to 11,800'. Showed the end of 5-1/2" csg @ 10,440'.
 Worked 5-1/2" casing OOH from 10,448' to 10,178' (270'). Total casing worked OOH = 1722'.
 Cut 5-1/2" csg with jet-cutter at 7125'. Laid down csg.
 TIH with fishing BHA. Tagged top of fish at ±7130' DPM.
 Attempted to jar fish OOH (8/25/2022). Made ±5'. Perfs @ ±9798'. Btm of fish @ 10,173'. Csg stub length = 3048'.
 Spearfish with dual agitators 8/26/2022. Made ±72'. Fishing operations ceased. Ran 7-5/8" csg scraper to TOF @ 7053'
 Set Halliburton CICR @ 7020' 8/27/2022. Test 7-5/8" casing with 1000 psi, with 13.2 ppg OBM in hole.
 RU Nextier. Placed 500 psi on BS of DP. Pumped 40 bbls of 13.7 ppg spacer plus 230 bbls (1050 sx) of Class 35:65 Poz:Class H cement (14.5 ppg/1.23 yld) below cement retainer and displaced with 13.2 ppg OBM. Max inj psi 2700 psi, ISIP 1057 psi.
 CIP @ 22:17 hrs on 8/27/2022. Left 7 bbls (32 sx) on top of CICR. TOC @ ±6868'.

TOC @ 6868'
 CICR @ 7020'

Top of 5-1/2" csg @ 7053' DPM
 5-1/2" csg stub length = 3040'

Perfs @ 9726'
 4 x 0.3" OD

Btm of 5-1/2" stub @ 10,093' DPM

Intermediate Casing @ 11626' MD/11551' TVD

7-5/8" 29.7# ICYP110 MO FXL
 Burst: 8610 psi Collapse: 7360 psi Tensile: 747 kips
 ID: 6.875" Drift: 6.75"

Top of 5-1/2" csg @
 11,900' MD MD/12,591'

Perfs @ 11,925'

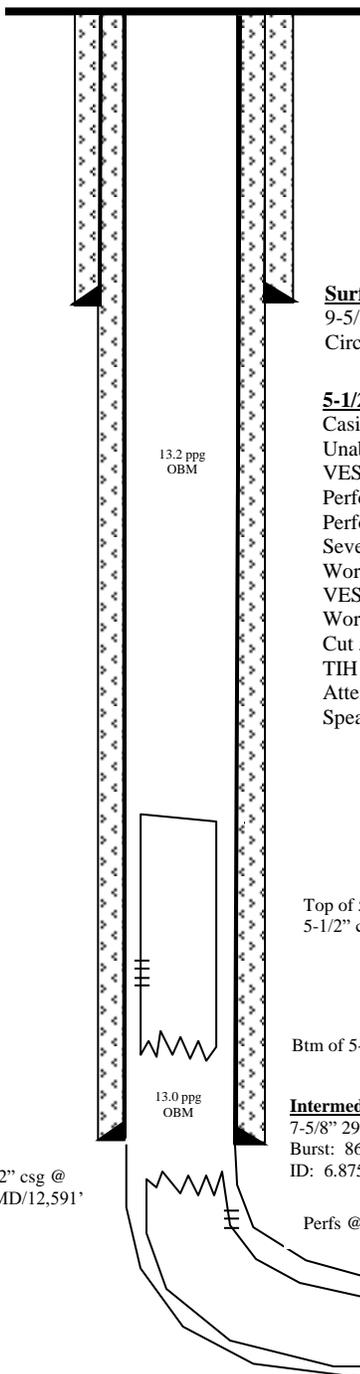
6-3/4" Hole Section TD at 22,713' MD/12,591' TVD
 Final TD in WFMP

13.0 ppg OBM

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 Section 1 T25S R33E
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Perfs @ 11,925'

6-3/4" Hole Section TD at 22,713' MD/12,591' TVD
 Final TD in WFMP

13.0 ppg OBM

Perfs @ 9726'
 4 x 0.3" OD

Top of 5-1/2" csg @
 11,900' MD MD/12,591'

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 142486

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 142486
	Action Type: [C-103] NOI Temporary Abandonment (C-103I)

CONDITIONS

Created By	Condition	Condition Date
kfortner	Like approval from BLM	9/22/2022