

|                                |   |   |
|--------------------------------|---|---|
| Well Name: ROSA UNIT           | Well Location: T31N / R5W / SEC 19 / NENW / | County or Parish/State: RIO ARRIBA / NM |
| Well Number: 649H              | Type of Well: CONVENTIONAL GAS WELL         | Allottee or Tribe Name:                 |
| Lease Number: NMSF078769       | Unit or CA Name: ROSA UNIT-MANCOS PA        | Unit or CA Number: NMNM78407E           |
| US Well Number: 300393132100X1 | Well Status: Temporarily Abandoned          | Operator: LOGOS OPERATING LLC           |

Notice of Intent

Type of Submission: Notice of Intent

Type of Action Plug and Abandonment

Date Sundry Submitted: 07/02/2021

Time Sundry Submitted: 09:15

Date proposed operation will begin: 08/27/2021

**Procedure Description:** LOGOS is requesting a name change from Rosa Unit 649H to Rosa Unit 649Y with API number 30-039-31321 and to Plug & Abandon the surface set for the subject well per the attached procedure and wellbore schematic. This location is shared with the following producing wells Rosa Unit 640H (30-039-31313,) Rosa Unit 641H (30-039-31314), Rosa Unit 642H (30-039-31315,) and Rosa Unit 643H (30-039-31317), a reclamation will not take place at this time.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

3160\_5\_Rosa\_Unit\_649H\_P\_A\_and\_Name\_Change\_20210826\_amended\_20210827095803.pdf

|                                       |  |  |
|---------------------------------------|--|--|
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Conditions of Approval

Additional Reviews

2506308\_ET\_AL\_NOIA\_ROSA\_UNIT\_KR\_08252021\_20210825150238.pdf

Operator Certification

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

|   |   |
|---|---|
| <b>Operator Electronic Signature:</b> ETTA TRUJILLO   | <b>Signed on:</b> AUG 27, 2021 09:58 AM |
| <b>Name:</b> LOGOS OPERATING LLC                      |   |
| <b>Title:</b> Regulatory Specialist                   |   |
| <b>Street Address:</b> 2010 AFTON PLACE               |   |
| <b>City:</b> Farmington                               | <b>State:</b> NM                        |
| <b>Phone:</b> (505) 324-4154                          |   |
| <b>Email address:</b> ETRUJILLO@LOGOSRESOURCESLLC.COM |   |

Field Representative

|                             |               |             |
|-----------------------------|---------------|-------------|
| <b>Representative Name:</b> |               |             |
| <b>Street Address:</b>      |               |             |
| <b>City:</b>                | <b>State:</b> | <b>Zip:</b> |
| <b>Phone:</b>               |               |             |
| <b>Email address:</b>       |               |             |

BLM Point of Contact

|  |  |
|--|--|
| <b>BLM POC Name:</b> KENNETH G RENNICK | <b>BLM POC Title:</b> Petroleum Engineer       |
| <b>BLM POC Phone:</b> 9708783846       | <b>BLM POC Email Address:</b> krennick@blm.gov |
| <b>Disposition:</b> Approved           | <b>Disposition Date:</b> 08/27/2021            |
| <b>Signature:</b> Kenneth Rennick      |  |

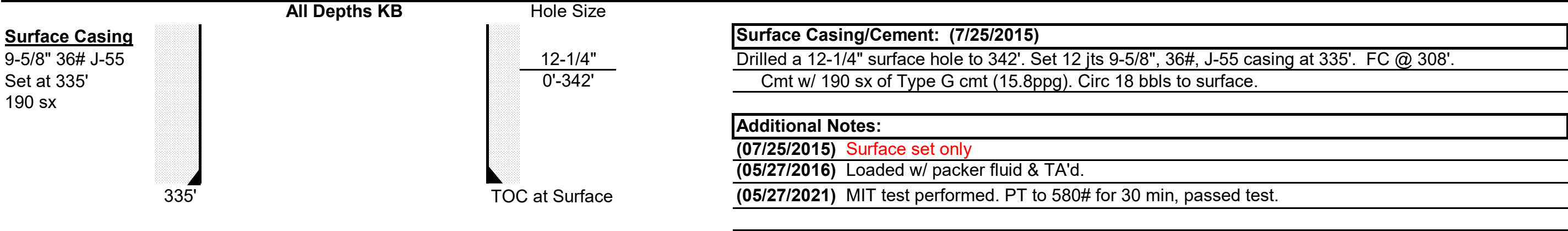


Well Name: Rosa Unit 649H  
Location: UL C Sec 19, T31N, R05W 958' FNL & 451' FWL  
County: Rio Arriba  
API #: 30-039-31321  
Co-ordinates: Lat 36.889697°N Long 107.406236°W (NAD 83)  
Operator: Logos Operating, LLC

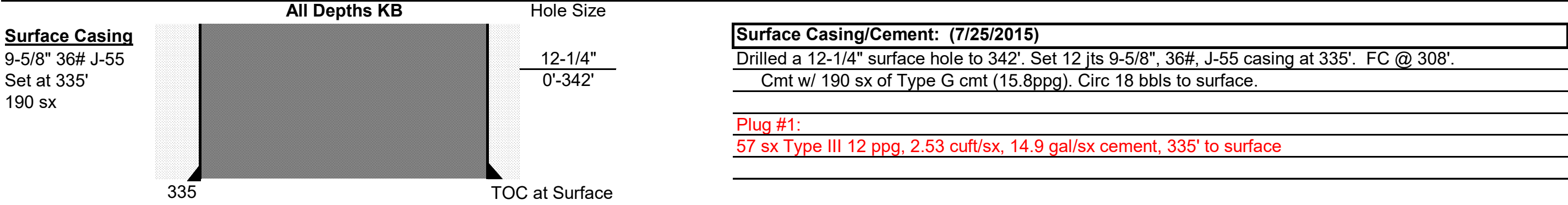
Ground Elevation: 6305'  
KB Elevation:   
TVD: 342'  
MD: 342'  
PBDT:   
Target Zone TVD:   
Length of Lateral:

Date Prepared: 6/20/2021 Graham  
Last Updated: 6/21/2021 K. McWilliams  
Spud Date: 7/25/2015  
Completion Date:   
Last Workover Date:

Current Wellbore Schematic



Proposed Wellbore Schematic



- Objective:**
- Permanently “Plug & Abandon” 9 5/8” 36# J-55 LT&C surface casing. Casing set depth is at 335’, TD at 342’.
- Prior to Job:**
- Notify BLM.
- Procedure:**
- Mobilize cement equipment to location.
  - NU on well head with a diverter.
  - Hold Pre-Job safety meeting with all involved parties.
  - Tally / TIH with PVC.
  - Logos rep will confirm that 9 5/8” is full of fluid.
  - Rig up cementing equipment. Fill PVC with fluid and confirm circulation.
  - Pump ~57 sx Type III 12 ppg, 2.53 cuft/sx, with ~20 bbls of mix water. No displacement.
  - Cut PVC and leave in the wellbore.
  - Cut off 9 5/8” casing 3’ or greater below GL and install a ¼” or greater steel plate.

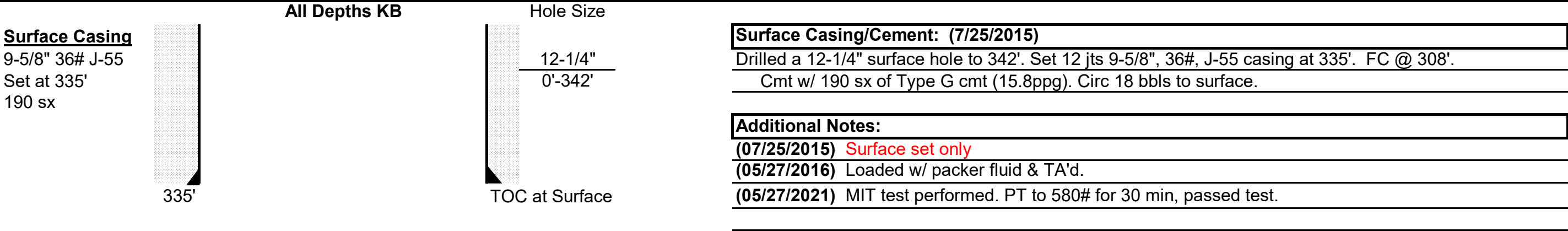


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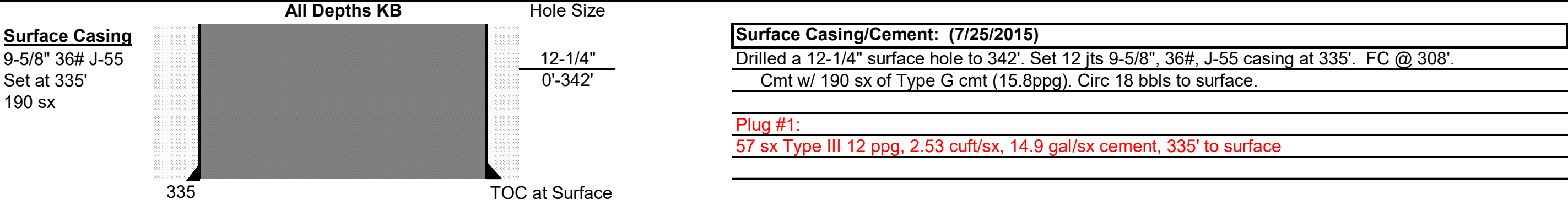
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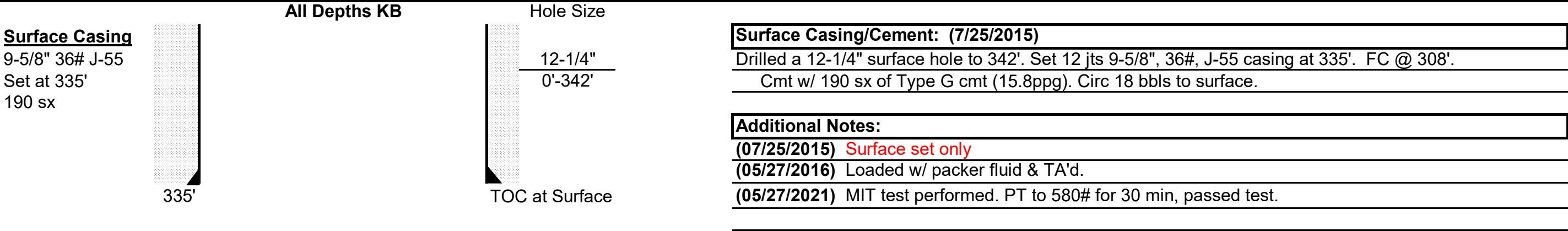


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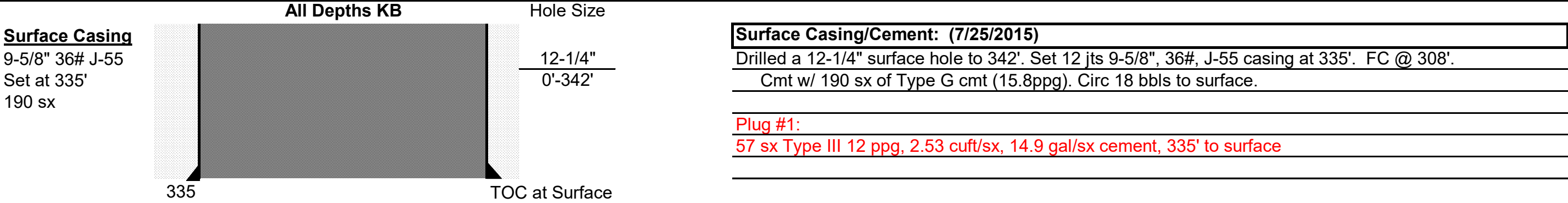
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**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
6251 COLLEGE BLVD.  
FARMINGTON, NEW MEXICO 87402**

Attachment to Notices of  
Intention to Abandon:

Re: Abandonment of Original Surface Set  
Wells: Rosa Unit 652H (Sundry ID 2506308)  
Rosa Unit 650H (Sundry ID 2506306)  
Rosa Unit 647H (Sundry ID 2506305)  
Rosa Unit 649H (Sundry ID 2506301)

**CONDITIONS OF APPROVAL**

1. Farmington Office is to be notified at least 24 hours before the operations commence (505) 564-7750.

Office Hours: 7:45 a.m. to 4:30 p.m.

K. Rennick 8/25/2021

**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 45027

CONDITIONS

|   |   |
|---|---|
| Operator:<br>LOGOS OPERATING, LLC<br>2010 Afton Place<br>Farmington, NM 87401 | OGRID:<br>289408                                    |
|   | Action Number:<br>45027                             |
|   | Action Type:<br>[C-103] NOI Plug & Abandon (C-103F) |

CONDITIONS

| Created By | Condition   | Condition Date |
|------------|---|----------------|
| kpickford  | Notify NMOCD 24 Hours Prior to beginning operations | 9/1/2021       |