

MAR 21 2019

Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Farmington Field Office
Bureau of Land Management

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Navajo Nation Oil & Gas Company

3a. Address
PO Box 4439, Window Rock, AZ 86515

3b. Phone No. (include area code)
928-871-4880

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1850' FSL & 790' FWL, Sec 35, T28N, R15W

5. Lease Serial No.
14-20-603-2015

6. If Indian, Allottee or Tribe Name
Navajo Nation

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

8. Well Name and No.
Pet Inc. #13

9. API Well No.
30-045-22555

10. Field and Pool, or Exploratory Area
Ojo Pictured Cliffs - Ext

11. County or Parish, State
San Juan County, NM

12. CHECK 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"/> Fracture Treat | <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 checked="" type="checkbox"/> Plug and Abandon | <input 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Navajo Nation Oil & Gas Company plans to P&A the Pet Inc. #13 as per the attached procedure.

Notify NMOCD 24 hrs
prior to beginning
operations

NMOCD
APR 01 2019
DISTRICT III

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

John C. Thompson

Title Agent/Engineer

Signature

Date

02/15/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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.

Title

AFM

Date

3/26/19

Office

FFO

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)

P&A Procedure

Navajo Nation Oil & Gas Company – Pet Inc. #13

Ojo Pictured Cliffs - Ext

1850' FSL & 790' FEL, Section 35, T28N, R15W

San Juan County, New Mexico, API #30-045-22555

Plug & Abandonment Procedure:

Currently the well is producing out 1-1/4" IJ production tubing, which will need to be laid down prior to pumping cement.

- 1. Plug #1, surface to 628' (Pictured Cliffs is Open Hole f' 581' – 628'):** Load hole w/ water and establish injection rate into perforations. Bullhead cement directly down 3-1/2" casing as follows: Mix & pump ~ 45 sxs (53.1 cf) of Class B cement (or equivalent). SD pump and if cement falls. Hesitate 30 min then continue pumping cement and top off as necessary. ND BOP and cut off wellhead below surface casing flange per regulation. Install P&A marker with cement to comply with regulations. Note: Due to location being in NAPI field, plan to set top of marker 6' – 8' below ground level. RD, MOL and remove pipeline and any related equipment as per NAPI/BLM/NMOCD stipulations.

Navajo Nation Oil & Gas Corp

Pet Inc. #13

Proposed P&A

Ojo Pictured Cliffs Ext

1850' FSL & 790' FEL, Section 35, T28N, R15W, San Juan County, NM

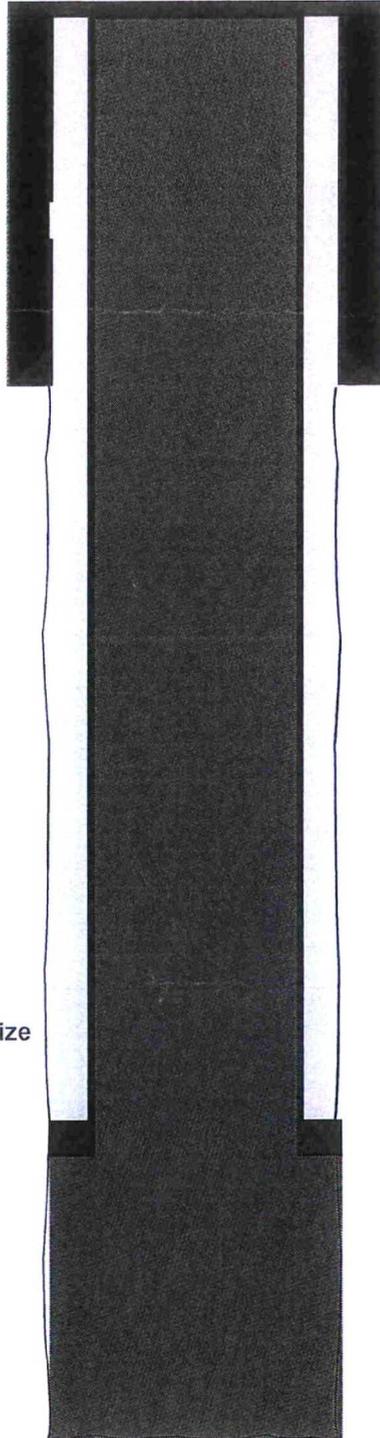
API #30-045-22555

Date: 2/1/19

Ojo Alamo - Surface

Elevation: 5641' GL

Hole Size: 8-3/4"



7", 20#, Casing set @ 30'
Cement w/ 3 sxs, circulated cmt to surf

Kirtland @

Fruitland @

Plug #1: surface - 628'
Class B cement, 45 sxs (53.1 cf)

Hole Size
6.25"

Pictured Cliffs @ 581'

3.5", 7.7#, casing set @ 575'

Robinson Open Hole packer at 581'
Cemented into place with 10 sx.

Pictured Cliffs Open Hole f' 581' - 628'

PBTD: 628'

TD: 628'

**BLM FLUID MINERALS
Geologic Report**

Date Completed: 2/1/19

| | | | | | | |
|----------------|------------------------------|----------------|---------------------------|-------|------------|-----|
| Well No. | Pet Inc #13 | Location | 1850' | FSL & | 790' | FEL |
| Lease No. | Navajo Nation 14-20-603-2015 | Sec. 35 | T28N | | R15W | |
| Operator | Navajo Nation Oil and Gas | County | San Juan | State | New Mexico | |
| Total Depth | 628' | PBTD ----- | Formation Pictured Cliffs | | | |
| Elevation (GL) | 5641' | Elevation (KB) | | | | |

| Geologic Formations | Est. Top | Est. Bottom | Log Top | Log Bottom | Remarks |
|-----------------------------|----------|-------------|---------|------------|---------------------------|
| San Jose Fm | | | | | Surface/Fresh water sands |
| Nacimiento Fm | | | | | Fresh water sands |
| Ojo Alamo Ss | | | Surface | | Aquifer (fresh water) |
| Kirtland Shale | | | ?? | | |
| Fruitland Fm | | | 247 | | Coal/Gas/Possible water |
| Pictured Cliffs Ss | | | 581 | TD | Gas |
| Lewis Shale | | | | | |
| Chacra | | | | | |
| Cliff House Ss (La Vena Ss) | | | | | |
| Menefee Fm | | | | | |
| Point Lookout Ss | | | | | |
| Mancos Shale | | | | | |
| Gallup | | | | | |
| Dakota Ss | | | | | |
| Morrison | | | | | |

Remarks:

P & A

Prepared by: Dave Mankiewicz