

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OIL CONS. DIV DIST. 3

NOV 03 2017

FORM APPROVED  
OMB No. 1004-0137  
Expires: January 31, 2018**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.	JIC 123
6. If Indian, Allottee or Tribe Name	Jicarilla Apache
7. If Unit of CA/Agreement, Name and/or No.	
8. Well Name and No.	Jicarilla 123 C 27
9. API Well No.	30-039-22071
10. Field and Pool or Exploratory Area	Blanco Mesaverde / West Lindrith Gallup-Dakota
11. Country or Parish, State	Rio Arriba County, NM

**SUBMIT IN TRIPLICATE - Other instructions on page 2**1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
LOGOS Operating, LLC3a. Address  
2010 Afton Place  
Farmington, NM 874013b. Phone No. (include area code)  
(505) 324-41454. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1540' FNL 1670' FWL, SE/NW, F Sec 6, T25N, R04W,**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 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 recomple 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 recomple 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.)

LOGOS previously submitted an NOI for remedial work to repair the bradenhead leak. Rig moved on 10/23/17 and started remedial work and found the casing integrity to be compromised at multiple depths. Cost to repair the well exceeds the value of the wellbore and the remaining reserves for the well.

BLM/Jack Savage, OCD/Charlie Perrin, and JOGA/Guillermo DeHerrera were contacted and verbal/email responses were received 10/26/17 to proceed with the attached Plug & Abandon procedure. Current and proposed wellbore schematics are also attached. A closed loop system will be used.

LOGOS is working with JOGA, BIA, and BLM for Reclamation Plans.

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL****BLM'S APPROVAL OR ACCEPTANCE OF THIS  
ACTION DOES NOT RELIEVE THE LESSEE AND  
OPERATOR FROM OBTAINING ANY OTHER  
AUTHORIZATION REQUIRED FOR OPERATIONS  
ON FEDERAL AND INDIAN LANDS****RECEIVED****OCT 27 2017**Farmington Field Office  
Bureau of Land Management

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

Tamra Sessions

Regulatory Specialist

Title

Signature

Date

10/26/2017

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

PE

Date

10/31/17

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

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)

**NMOCD TV**

## Proposed P&A Procedure

October 27, 2017

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### Jicarilla 123 C 27

1540' FNL and 1670' FEL, Section 6, T-25-N, R-04-W  
Rio Arriba County, NM, API 30-039-22071  
Long: -107.29585 / Lat: 36.43157

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. This project requires a NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.
2. Rods: Yes ☐ No ☒ , Unknown ☐ ;  
Tubing: Yes ☒ No ☐ , Unknown ☐ , Size ☐ , Length ☐ ;  
Packer: Yes ☐ No ☒ , Unknown ☐ , Type ☐ .
3. **NOTE: BLM may require a CBL log to be run on all wells where the cement did not circulate to surface or a CBL log was not previously run. This procedure is prepared with the understanding that it may be modified based on the TOC from the CBL.**
4. **Plug #1 (Dakota / Gallup perforations perforations, 6610' – 6510')**: RIH and set 4.5" cement retainer at 6610'. Pressure test tubing to 1000 PSI. Load casing with water and circulate well clean. Pressure test casing to 800#. **If the casings do not test, then spot or tag subsequent plugs as appropriate.** Circulate well clean. Mix 20 sxs Class B cement inside casing from CR to isolate the Dakota / Gallup interval. TOH.
5. **Plug #2 (Gallup top, 6495' – 6395')**: Perforate HSC squeeze holes at 6495'. Establish injection rate. RIH and set CR at 6445'. TIH with tubing and sting into CR. Establish rate. Mix 54sxs Class B cement, squeeze 39 sxs outside casing and leave 15 sxs inside casing. TOH.
6. **Plug #3 (Mancos top, 5932' – 5832')**: Mix and pump 20 sxs Class B cement and spot a balanced plug inside casing to cover the Mancos top. PUH.
7. **Plug #4 (Mesaverde top, 4930' – 4830')**: Mix and pump 20 sxs Class B cement and spot a balanced plug inside casing to cover the Mesaverde top. PUH.
8. **Plug #5 (Chacra top, 4130' - 4030')**: Mix and pump 20 sxs Class B cement and spot a balanced plug inside casing to cover the Mesaverde top. PUH.
9. **Plug #6 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 3241' – 2930')**: Mix and pump 30 sxs Class B cement and spot a balanced plug inside casing to through the Ojo Alamo top. TOH.

10. **Plug #7 (Nacimiento top, 1580' – 1480')**: Perforate HSC squeeze holes at 1580'. Establish injection rate. RIH and set CR at 1530'. TIH with tubing and sting into CR. Establish rate. Mix 54 sxs Class B cement, squeeze 39 sxs outside casing and leave 15 sxs inside casing. TOH and LD tubing.
11. **Plug #8 (10.75" Surface casing shoe, 273' – 0')**: Perforate 3 squeeze holes at 273'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 110 sxs Class B cement and pump down the 4.5" casing to circulate good cement out bradenhead. Shut in well and WOC.
12. ND cementing valves and cut off wellhead. Fill annuli with cement as necessary. Install P&A marker to comply with regulations. Record GPS coordinate for P&A marker on tower report. Photograph P&A marker in place. RD, MOL and cut off anchors. Restore location per BLM stipulations



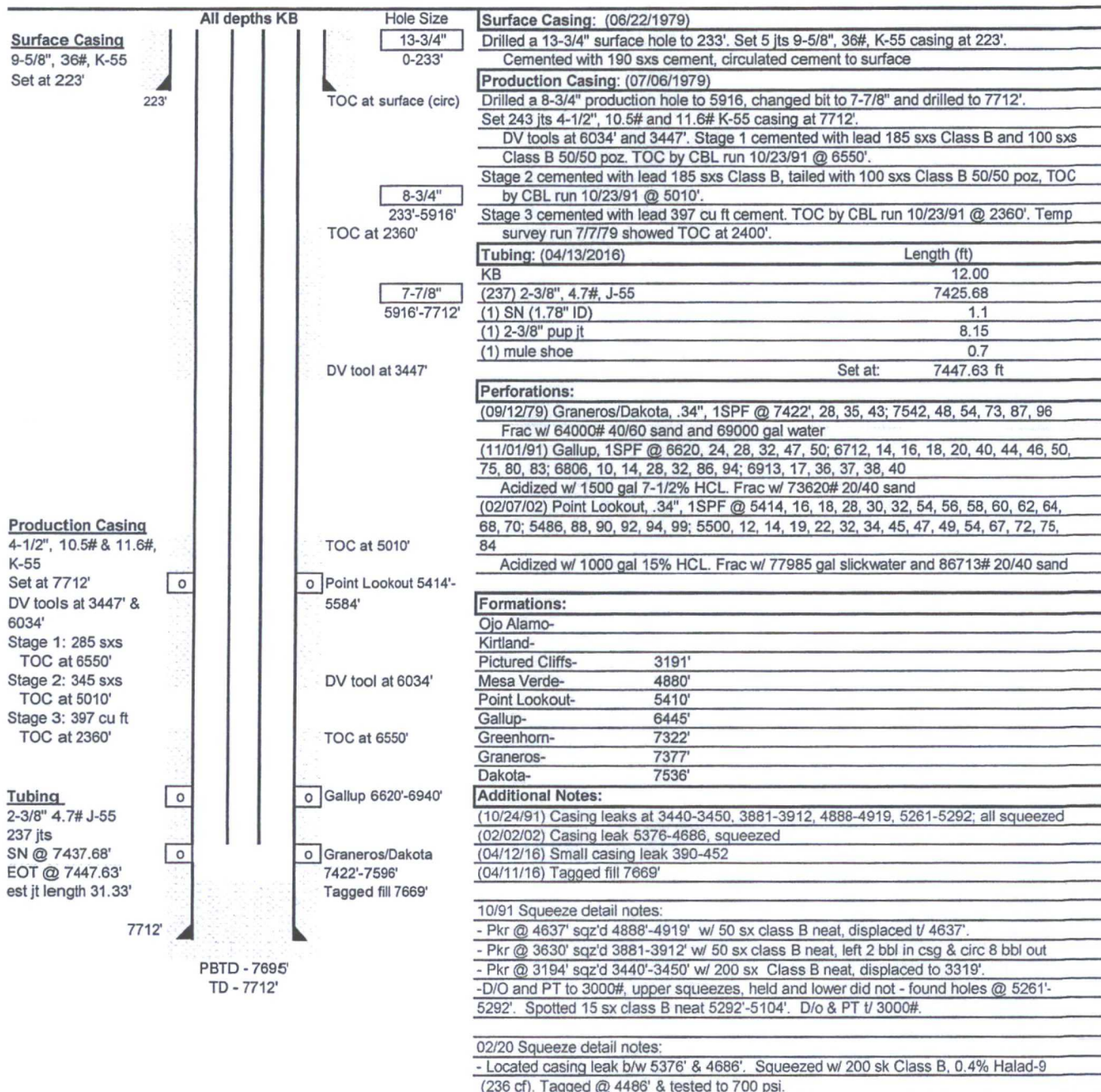


# Wellbore Schematic

Current

Well Name: Jicarilla 123 C 27  
Location: Sec 06, T25N, R04W 1540' FNL & 1670' FEL  
County: Rio Arriba  
API #: 30-039-22071  
Co-ordinates: Lat 36.43157 Long -107.29585  
Elevations: GROUND: 6787'  
KB: 6799'  
PBTD: 7695'  
TD: 7712'  
Depths (KB):

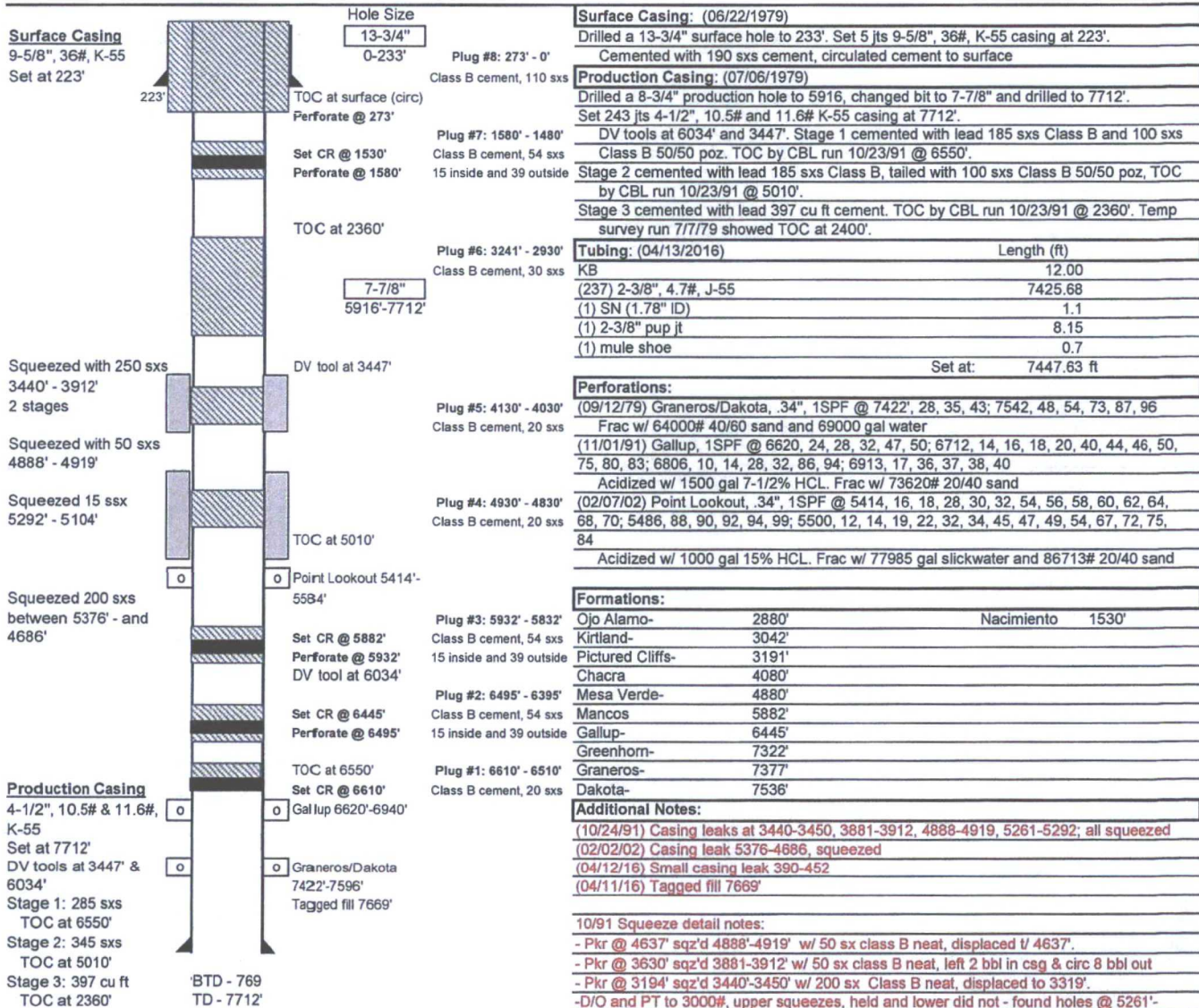
Date Prepared: 1/14/2017  
Last Updated: 1/14/2017  
Spud Date: 6/22/1979  
Completion Date: 9/24/1979  
Last Workover Date: 4/11/2016





Proposed P+A

Date Prepared:	1/14/2017
Last Updated:	1/14/2017
Spud Date:	6/22/1979
Completion Date:	9/24/1979
Last Workover Date:	4/11/2016



02/20 Squeeze detail notes:  
- Located casing leak b/w 5376' & 4686'. Squeezed w/ 200 sk Class B, 0.4% Halad-9 (236 cf). Tagged @ 4486' & tested to 700 psi.



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

Attachment to notice of  
Intention to Abandon:

Re: Permanent Abandonment  
Well: Jicarilla 123 C 27

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."

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

3. The following modifications to your plugging program are to be made:

- a) Set Plug #2 (6299-6199) ft. inside/outside to cover the Gallup top. BLM picks top of Gallup at 6249 ft.
- b) Set Plug #3 (5780-5680) ft. inside/outside to cover the Mancos top. BLM picks top of Mancos at 5730 ft.
- c) Set Plug #5 (4140-4040) ft. to cover the Chacra top. BLM picks top of Chacra at 4090 ft.
- d) Set Plug #6 (3241-2660) ft. to cover the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops. BLM picks top of Ojo Alamo at 2710 ft. Adjust cement volume accordingly.
- e) Set Plug #7 (1423-1323) ft. inside/outside to cover the Nacimiento top. BLM picks top of Nacimiento at 1373 ft.

Operator will run a CBL to verify cement top. Submit the electronic copy of the log for verification to the following addresses: [jwsavage@blm.gov](mailto:jwsavage@blm.gov) [aelmadani@blm.gov](mailto:aelmadani@blm.gov) [Brandon.Powell@state.nm.us](mailto:Brandon.Powell@state.nm.us)

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

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