

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

RECEIVED  
MAY 04 2016

**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.  
Jicarilla Contract 413

6. If Indian, Allottee or Tribe Name  
Jicarilla Apache

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

Farmington Field Office  
Bureau of Land Management

**SUBMIT IN TRIPLICATE** - Other instructions on page 2.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. Chacon Jicarilla Apache D #1
2. Name of Operator Roddy Production Company		9. API Well No. 30-043-20144
3a. Address P.O Box 2221, 4001 N. Butler, Building 7101, Farmington, NM <del>87401</del> <sup>87499</sup>	3b. Phone No. (include area code) 505-325-5750	10. Field and Pool or Exploratory Area West Lindrith Gallup-Dakota
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 875' FNL and 1140' FEL, Section 23, T23N R3W		11. Country or Parish, State Sandoval County, 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"/> 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 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.)

Roddy Production plans to plug and abandon this well per the attached procedure.

A closed system will be used for waste fluid handling.

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

Notify NMOCD 24 hrs  
prior to beginning  
operations

**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**

*\* Reclamation plan has not been approved.*

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed) Jeremy Divine	Title Foreman
Signature <i>Jeremy Divine</i>	Date 05/03/2016

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

Approved by <i>[Signature]</i>	Title PE	Date 5/13/16
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**

KC  
K9

## 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.

## 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

# **Roddy Production Company**

## **Plug And Abandonment Procedure**

### **Chacon Jicarilla Apache D 1**

875' FNL & 1140' FEL, Section 23, T-23-N, R-3-W

Sandoval County, NM / API 30-043-20144

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM safety and environmental regulations. Test rig anchors prior to moving in rig if not rigged to base beam.
2. Check casing, tubing, and bradenhead pressures.
3. Remove existing piping on casing valve. RU blow lines from casing valves to steel tank and begin blowing down casing pressure. Kill well as necessary. Ensure well is dead or on a vacuum.
4. ND wellhead and NU BOP. Function test BOP.
5. TOH 2-3/8" tubing string per pertinent pipe tally:
  - 2-3/8" 4.7# J-55 tubing 245 jts set at 7326'
6. P/U 4 1/2" bit or casing scraper on 2-3/8" workstring and round trip as deep as possible above top perforation at 7315'.
7. P/U 4 1/2" CR, TIH and set CR at +/- 7265'. Pressure test tubing to 1000 psi. Sting out of CR. Load hole, and pressure test casing to 800 psi. If casing does not test, then spot or tag subsequent plugs as appropriate. POOH w/ tubing.

8. RU wireline and run CBL with 500 psi on casing from CR at 7265' to surface to identify TOC. Adjust plugs as necessary for new TOC. Email log copy to Troy Salyers (BLM) at [tsalyers@blm.gov](mailto:tsalyers@blm.gov) and Brandon Powell at [Brandon.powell@state.nm.us](mailto:Brandon.powell@state.nm.us) upon completions of logging operations.
9. Rig up to pump cement down tubing. Pump water to establish rate down tubing.

**NOTE: All Plugs Include 50% Excess**

10. Plug 1 (**Dakota Perforations 7315'-7165', 30 Sacks Class G Cement**)

RIH and perforate 3 squeeze holes at 7315'. Establish injection rate into squeeze holes. RIH with 4 ½" CR and set at 7265'. Mix 30 sx Class G cement. Squeeze 20 sx outside casing leaving 10 sx inside casing to cover Dakota perforations.

11. Plug 2 (**Gallup Formation Top 5793'-5643', 32 Sacks Class G Cement**)

RIH and perforate 3 squeeze holes at 5793'. Establish injection rate into squeeze holes. RIH with 4 ½" CR and set at 5743'. Mix 32 sx Class G cement. Squeeze 20 sx outside casing leaving 12 sx inside casing to cover Gallup formation top.

12. Plug 3 (**Mancos Formation Top 5366'-5216', 32 Sacks Class G Cement**)

RIH and perforate 3 squeeze holes at 5366'. Establish injection rate into squeeze holes. RIH with 4 ½" CR and set at 5316'. Mix 32 sx Class G cement. Squeeze 20 sx outside casing leaving 12 sx inside casing to cover Mancos formation top.

13. Plug 4 (**Mesa Verde Perforations and Formation Top 5186'-4545', 70 Sacks Class G Cement**)

RIH and perforate 3 squeeze holes at 5186'. Establish injection rate into squeeze holes. RIH with 4 ½" CR and set at 5136'. Mix 70 sx Class G cement. Squeeze 20 sx outside casing leaving 50 sx inside casing to cover Mesa Verde formation top.

14. Plug 5 (**Chacra Formation Top 3912'-3762', 32 Sacks Class G Cement**)

RIH and perforate 3 squeeze holes at 3912'. Establish injection rate into squeeze holes. RIH with 4 ½" CR and set at 3862'. Mix 32 sx Class G cement. Squeeze 20 sx outside casing leaving 12 sx inside casing to cover Chacra formation top.

15. Plug 6 (**Pictured Cliffs, Fruitland, Kirtland Formation Tops 3148'-2998', 32 Sacks Class G Cement**)

RIH and perforate 3 squeeze holes at 3148'. Establish injection rate into squeeze holes. RIH with 4 ½" CR and set at 3098'. Mix 32 sx Class G cement. Squeeze 20 sx outside casing leaving 12 sx inside casing to cover Pictured Cliffs, Fruitland, Kirtland formation tops.

16. Plug 7 (**Ojo Alamo Formation Top 2650'-2500', 32 Sacks Class G Cement**)

RIH and perforate 3 squeeze holes at 2650'. Establish injection rate into squeeze holes. RIH with 4 ½" CR and set at 2600'. Mix 32 sx Class G cement. Squeeze 20 sx outside casing leaving 12 sx inside casing to cover Ojo Alamo formation top.

17. Plug 8 (**Nacimiento Formation Top 2050'-1900', 32 Sacks Class G Cement**)

RIH and perforate 3 squeeze holes at 2050'. Establish injection rate into squeeze holes. RIH with 4 ½" CR and set at 2000'. Mix 32 sx Class G cement. Squeeze 20 sx outside casing leaving 12 sx inside casing to cover Nacimiento formation top.

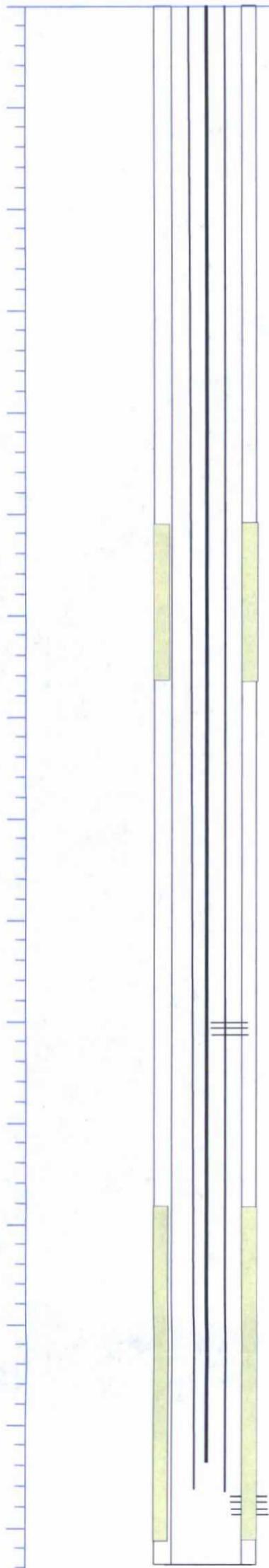
18. Plug 9 (**Surface Shoe and Surface 358'-surface, 48 Sacks Class G Cement**)

Perforate 3 squeeze holes at 358'. ROOH and RD wireline. **Observe well for 30 minutes per BLM regulations.** RU pump, close blind rams and establish circulation out bradenhead with water. Circulate BH clean. Mix 48 sx Class G cement and pump down casing until good cement returns to surface out BH valve. Shut in well and WOC.

19. 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 restore location per BLM stipulations.

Elevations: 7374' GL, 7385" DF, 7386" KB

0  
1000  
2000  
3000  
4000  
5000  
6000  
7000



13 3/4" hole diameter

9 5/8", 24 ppf, K55, STC Surface Casing  
set at 308'. Cemented to surface with  
270 sks

**Chacon Jicarilla Apache D 1**  
875' FNL x 1140' FEL  
Section 23, T23N, R3W  
Sandoval County, New Mexico  
API #: 30-043-~~20430~~ <sup>20144</sup>  
Spud: 05/09/1974  
Completed: 09/04/1974  
Last diagram update: C. Sollima 10/01/2008

7 7/8" hole diameter

4 1/2", 10.50 & 11.60 ppf, K55, 198 jts., Cemented in 2 stages,  
Stage 1-550 sks 50/50 Pozmix "A", Stage 2-130 sks 65/35 pv2, 50 sks Class "B"

TOC Stage 2  
2550'

Ojo Alamo 2650'  
Kirtland 2836'  
Fruitland 2948'  
Pictured Cliffs 3148'  
Lewis 3200'

Cementing Collar @ 3300'  
Bottom Stage 2

Chacra 3912'  
Cliff House 4645'  
4700'  
Menefee

Point Lookout 5186'  
Mancos 5366'  
Gallup 5793'

TOC Stage 1  
5900'

Prod. Tubing: 2 3/8", 4.70 lb, J55, Buttress & FUF - 8 rd.  
261 jts., perfs: 7316' - 7319', Total Depth: 7683'  
12/10/74: Tubing @ 7326, 245 jts., Buttress, seat nipple @ 5015'  
perfs @ 5016' - 5019'

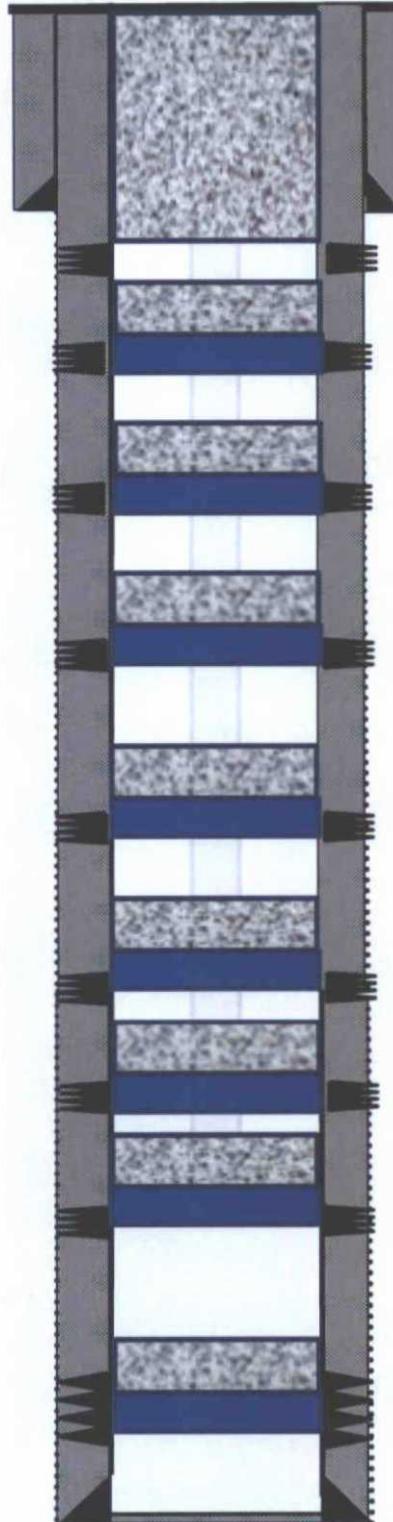
01/30/2006: 2 x 1 1/2 x 16 RWAC w.126" stroke, 291 3/4" rods  
1 - 2" pony

Greenhorn 7195'  
Graneros 7222'  
Dakota 7303'

Dakota perfs: 7315' - 7325', 7338' - 7345'  
Frac'd w/ 61,000 gals and 60,000 lbs sand  
Float Collar @ 7513'

TD - 7683'  
PBTD - 7455'

# Chacon Jicarilla Apache D1



**Plug #9** - Set cement from 358 ft to surface with 358 feet of cement (48 sks of Class G Neat)

**Plug #8** - CIBP set at 2000 feet. Squeeze cement through perforations. (20 sks of Class G Neat). Set cement from 2050 ft to 1900 ft with 100 feet of cement + 50 feet excess on top. (12 sks of Class G Neat)

**Plug #7** - CIBP set at 2600 feet. Squeeze cement through perforations. (20 sks of Class G Neat). Set cement from 2650 ft to 2500 ft with 100 feet of cement + 50 feet excess on top. (12 sks of Class G Neat)

**Plug #6** CIBP set at 3098 feet. Squeeze cement through perforations. (20 sks of Class G Neat). Set cement from 3148 ft to 2998 ft with 100 feet of cement + 50 feet excess on top. (12 sks of Class G Neat)

**Plug #5** - CIBP set at 3862 feet. Squeeze cement through perforations. (20 sks of Class G Neat). Set cement from 3912 ft to 3762 ft with 100 feet of cement + 50 feet excess on top. (12 sks of Class G Neat)

**Plug #4** - CIBP set at 5136 feet. Squeeze cement through perforations. (20 sks of Class G Neat). Set cement from 5186 ft to 4545 ft with 591 feet of cement + 50 feet excess on top. (50 sks of Class G Neat)

**Plug #3** - CIBP set at 5316 feet. Squeeze cement through perforations. (20 sks of Class G Neat). Set cement from 5366 ft to 5216 ft with 100 feet of cement + 50 feet excess on top. (12 sks of Class G Neat)

**Plug #2** CIBP set at 5793 feet. Squeeze cement through perforations. (20 sks of Class G Neat). Set cement from 5793 ft to 7643 ft with 100 feet of cement + 50 feet excess on top. (12 sks of Class G Neat)

**Plug #1** - CIBP set at 7265 feet. Squeeze cement through perforations. (20 sks of Class G Neat). Set cement from 7315 ft to 7165 ft with 100 feet of cement + 50 feet excess on top. (12 sks of Class G Neat)

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: Chacon Jicarilla Apache D #1

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 (6206-6106) ft. inside/outside to cover the Gallup top. BLM picks top of Gallup at 6156 ft.
- b) Set plug #3 (5454-5354) ft. inside/outside to cover the Mancos top. BLM picks top of Mancos at 5404 ft.
- c) Set plug #6 (3198-2628) ft. inside/outside to cover the Pictured Cliffs, Fruitland, Kirtland, and Ojo Alamo tops. BLM picks top of Pictured Cliffs at 3148 ft. BLM picks top of Ojo Alamo at 2678 ft.
- d) Set plug #8 (1498-1398) ft. inside/outside to cover the Nacimiento top. BLM picks top of Nacimiento at 1448 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) [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.