

State of New Mexico  
Energy, Minerals and Natural Resources Department

Susana Martinez  
Governor

David Martin  
Cabinet Secretary

Brett F. Woods, Ph.D.  
Deputy Cabinet Secretary

Jami Bailey, Division Director  
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-4 or 3160-5 form.

Operator Signature Date: 8/1/14

Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf Owner	UL	Sec	Twp	N/S	Rng	W/E
30-039-20442-00-00	JICARILLA 22	006	CONOCOPHILLIPS COMPANY	O	A	Rio Arriba	J	A	22	25	N	4	W

Application Type:

- ☒ P&A    ☐ Drilling/Casing Change    ☐ Location Change  
☐ Recomplete/DHC (For hydraulic fracturing operations review EPA Underground injection control Guidance #84)  
☐ Other:

Conditions of Approval:

Notify NMOCD 24hrs prior to beginning operations

Extend Nacimiento plug down to 1760 feet

A handwritten signature in black ink, appearing to read "Brandi Bell", is written over a horizontal line.

NMOCD Approved by Signature

9-16-14  
Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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 page 21

1. Type of Well

☐ Oil Well

☒ Gas Well

☐ Other

AUG 01 2014

5. Lease Serial No.

Contract 65

6. If Indian, Allottee or Tribe Name

Jicarilla Apache

2. Name of Operator

ConocoPhillips Company

8. Well Name and No.

Jicarilla 22 6

3a. Address

PO Box 4289, Farmington, NM 87499

3b. Phone No. (include area code)

(505) 326-9700

9. API Well No.

30-039-20442

10. Field and Pool or Exploratory Area

Lindrieth Gallup Dakota West/ Blanco MV

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface UL A (NENE), 830' FNL & 670' FEL, Sec. 22, T25N, R4W

11. Country or Parish, State

Rio Arriba New Mexico

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 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.)

ConocoPhillips requests permission to P&A the subject well bore per the attached procedure, current & proposed well bore schematics. A closed loop system will be utilized for this P&A.

**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**

OIL CONS. DIV DIST. SEE ATTACHED FOR  
CONDITIONS OF APPROVAL  
AUG 15 2014

Notify NMOCD 24 hrs  
prior to beginning  
operations



**H2S POTENTIAL EXIST**

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

Kenny Davis

Title Staff Regulatory Technician

Signature

Date

8/1/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Troy Salvors

Title

Petroleum Eng.

Date

8/13/2014

Office

FFO

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 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.

**ConocoPhillips**  
**JICARILLA 22 6**  
**Expense - P&A**

Lat 36° 23' 24.396" N

Long 107° 13' 57.54" W

**PROCEDURE**

**This project requires the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.**

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COPC safety and environmental regulations. Test rig anchors prior to moving in rig.
2. MIRU workover rig. Check casing, tubing, and bradenhead pressures and record them in Wellview. **If there is pressure on the BH, contact the Wells Engineer.**
3. Remove existing piping on casing valve. RU blow lines from casing valves and begin blowing down casing pressure. Kill well as necessary. Ensure well is dead or on a vacuum.
4. ND wellhead and NU BOPE. Pressure and function test BOP to 250 psi low and 1000 psi over SICP high to a maximum of 2000 psi held and charted for 10 minutes as per COP Well Control Manual. PU and remove tubing hanger
5. PU work string and RIH to retrieve the RBPs set at 3350' and 3655'. Circulate top of RBPs clean, if necessary. RBPs were purchased and should be sent in to customer property.
6. PU 3-7/8" bit and watermelon mill and round trip as deep as possible above the top Dakota perforation @ 7722'.

Note: Per CIL there are 11 possible failures between 2434' and 3590'.

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

**7. Plug 1 (Perforations, Dakota, and Graneros Formation Tops, 7672-7572', 12 Sacks Class B Cement)**

PU 4-1/2" CR on tubing, and set @ 7672'. Pressure test tubing to 1000 psi. Sting out of CR. Mix 12 sx Class B cement and spot a balanced plug inside the casing above CR to cover the perforations, Dakota, and Graneros tops. POOH. WOC.

8. PU 4-1/2" CR on tubing, and set @ 6820'. Sting out of CR. Load hole to Mesaverde formation. POOH w/ tubing.

9. RU wireline and run CBL with 500 psi on casing from CR to 5890' to identify TOC. (TOCs above this point known from CBL on 5/16/14) *Adjust Gallup plug as necessary for new TOC.*

*See COA*

**10. Plug 2 (Perforations and Gallup Formation Top, 6820-6660', 16 Sacks Class B Cement)**

Mix 16 sx Class B cement and spot a balanced plug inside the casing above CR to cover the perforations and Gallup top. POOH. WOC.

*See COA*

**11. Plug 3 (Mancos Formation Top, 6111-6011', 51 Sacks Class B Cement)**

RIH and perforate 3 squeeze holes @ 6111'. Establish injection rate into squeeze holes. RIH w/ 4-1/2" CR and set @ 6061'. Mix 51 sx Class B cement. Squeeze 39 sx outside the casing, leaving 12 sx inside the casing to cover the Mancos top. POOH. WOC.

**12. Plug 4 (Perforations and Mesaverde Formation Top, 5654-5159', 42 Sacks Class B Cement)**

PU 4-1/2" CR on tubing, and set @ 5654'. Mix 42 sx Class B cement and spot a balanced plug inside the casing above CR to cover the perforations and Mesaverde top. POOH. WOC.

**13. Plug 5 (Pictured Cliffs Formation Top, 3555-3455', 38 Sacks Class B Cement)**

RIH and perforate 3 squeeze holes @ 3555'. Establish injection rate into squeeze holes. RIH w/ 4-1/2" CR and set @ 3505'. Mix 38 sx Class B cement. Squeeze 26 sx outside the casing, leaving 12 sx inside the casing to cover the Pictured Cliffs top. POOH. WOC.

*See COA*

**14. Plug 6 (Fruitland and Ojo Alamo Formation Tops, 3232-2931', 144 Sacks Class B Cement)**

RIH and perforate 3 squeeze holes @ 3232'. Establish injection rate into squeeze holes. RIH w/ 4-1/2" CR and set @ 3182'. Mix 144 sx Class B cement. Squeeze 117 sx outside the casing, leaving 27 sx inside the casing to cover the Fruitland and Ojo Alamo tops. POOH. WOC.

*See COA*

**15. Plug 7 (Nacimiento Formation Top, 1432-1332', 51 Sacks Class B Cement)**

RIH and perforate 3 squeeze holes @ 1432'. Establish injection rate into squeeze holes. RIH w/ 4-1/2" CR and set @ 1382'. Mix 51 sx Class B cement. Squeeze 39 sx outside the casing, leaving 12 sx inside the casing to cover the Nacimiento top. POOH.

**16. Plug 8 (Surface Plug, 297-0', 109 Sacks Class B Cement)**

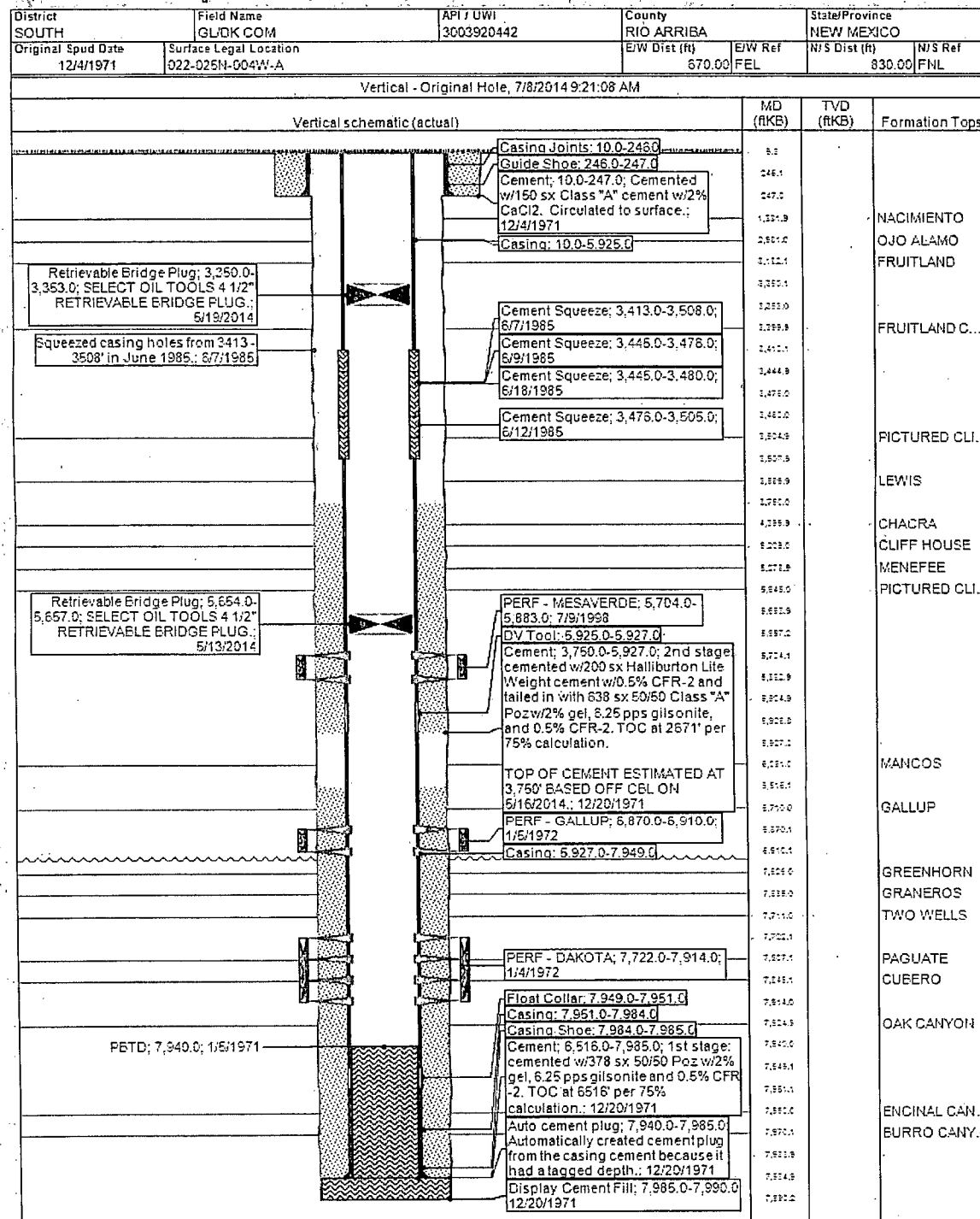
RU WL and perforate 4 big hole charge (if available) squeeze holes @ 297'. TOOH and RD wireline. Observe well for 30 minutes per BLM regulations. RU pump, close blind rams and establish circulation out bradenhead with water. Circulate BH clean. TIH with 4-1/2" CR and set @ 247'. Mix 82 sx Class B cement and squeeze until good cement returns to surface out BH valve. Shut BH valve and squeeze to max 200 psi. Sting out of CR and reverse circulate cement out of tubing. TOOH and LD stinger. TIH with open ended tubing to 247'. Mix 27 sx Class B cement and pump inside plug. TOOH and LD Tubing. SI well and WOC.

17. Nipple down BOP and cut off casing below the casing flange. Install P&A marker with cement to comply with regulations. Rig down, move off location, cut off anchors, and restore location.

# ConocoPhillips

## CURRENT SCHEMATIC

### JICARILLA 22 #6



# ConocoPhillips

## Schematic - Proposed JICARILLA 22 #6

District SOUTH	Field Name GL/DK COM	API/UWI 3003920442	County RIO ARRIBA	State/Province NEW MEXICO
Original Spud Date 12/4/1971	Surf Loc 022-025N-004W-A	East/West Distance (ft) 670.00	East/West Reference FEL	N/S Dist (ft) 830.00
				North/South Reference FNL

Vertical - Original Hole, 1/1/2020 7:30:00 AM

Vertical schematic (actual)	MD (ftKB)	Formation Tops
Cement Retainer; 247.0-248.0	246.1	
SQUEEZE PERFS; 297.0; 1/1/2020	248.0	
Cement Retainer; 1,382.0- 1,383.0	1,332.0	NACIMIENTO
SQUEEZE PERFS; 1,432.0; 1/1/2020	1,382.9	
Cement Retainer; 3,182.0- 3,183.0	2,931.1	OJO ALAMO FRUITLAND
SQUEEZE PERFS; 3,232.0; 1/1/2020	3,182.1	
Squeezed casing holes from 3413 - 3508' in June 1985.	3,413.1	FRUITLAN...
Cement Retainer; 3,505.0- 3,506.0	3,455.1	
SQUEEZE PERFS; 3,555.0; 1/1/2020	3,480.0	
Cement Retainer; 5,654.0- 5,655.0	3,504.9	PICTURED...
Hydraulic Fracture; 7/10/1998; Frac'd with 54138 gal water and 54980 # 20/40 AZ sand and 6060 # 20/40 SDC sand.	3,507.9	
PERF - MESAVERDE; 5,704.0- 5,883.0; 7/9/1998	3,589.9	LEWIS
Cement Retainer; 6,061.0- 6,062.0	4,399.9	CHACRA
SQUEEZE PERFS; 6,111.0; 1/1/2020	5,209.0	CLIFF HOU... MENEFE... PICTURED...
Cement Retainer; 6,820.0- 6,821.0	5,645.0	
PERF - GALLUP; 6,870.0- 6,910.0; 1/5/1972	5,654.9	
Hydraulic Fracture; 3/7/1972; Gallup: Frac'd w/31360 gal 1% KCl w/900# guar gum, 900# Adomite Aqua, 15 gal Adofoam, 2 gal Morfio II, and 31600# 10-20 sand.	5,882.9	
Cement Retainer; 7,672.0- 7,673.0	5,926.8	
Hydraulic Fracture; 3/7/1972; Gallup: Frac'd w/54370 gals 1% KCl water w/1400# guar gum, 1400# Adomite Aqua, 25 gals Adofoam, 4 gal Morfio II, and 79000# 10-20 sand.	6,011.2	MANCOS
PERF - DAKOTA; 7,722.0- 7,914.0; 1/4/1972	6,062.0	
PBTD; 7,940.0	6,516.1	GALLUP
	6,710.0	
	6,820.9	
	6,910.1	
	7,626.0	GREENHO...
	7,672.9	
	7,711.0	GRANEROS TWO WELLS
	7,807.1	PAGUATE CUBERO
	7,914.0	OAK CANY...
	7,940.0	
	7,951.1	ENCINAL C...
	7,970.1	BURRO CA...
	7,984.9	

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 22 #6

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Leases."
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) Bring the top of plug #2 to 6410 ft. to cover the Gallup formation. Adjust cement volume accordingly.
  - b) Set plug #3 (6074-5974) ft. inside/outside to cover the Mancos top. BLM picks the top of the Mancos at 6024 ft.
  - c) Add a plug (4455-4355) ft. inside/outside to cover the Chacra formation.
  - d) Set plug #6 (3314-2881) ft. inside/outside to cover Fruitland and Ojo Alamo formations. Adjust cement volume accordingly.
  - e) Set plug #7 (1692-1592) ft. inside/outside to cover the Nacimiento formation. BLM picks Nacimiento at 1642 ft.

Note: Low concentrations of H<sub>2</sub>S (3 ppm- 6 ppm GSV) have been reported in wells within a 1 mile radius of this location.

Operator will run a CBL from 6820 ft. to 5890 ft. Submit electronic copy of the log for verification to the following BLM address: [tsalyers@blm.gov](mailto:tsalyers@blm.gov)

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.