

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

REVISED

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

RECEIVED

SEP 25 2015

**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 2.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>Contract 98</b>
2. Name of Operator <b>ConocoPhillips Company</b>		6. If Indian, Allottee or Tribe Name <b>Jicarilla Apache Tribe</b>
3a. Address <b>PO Box 4289, Farmington, NM 87499</b>	3b. Phone No. (include area code) <b>(505) 326-9700</b>	7. If Unit of CA/Agreement, Name and/or No. <b>Apache 7</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>Surface UNIT D (NWNW), 1100' FNL &amp; 990' FWL. Sec. 20, T26N, R03W</b>		8. Well Name and No. <b>Apache 7</b>
		9. API Well No. <b>30-039-20279</b>
		10. Field and Pool or Exploratory Area <b>Basin Dakota</b>
		11. Country or Parish, State <b>Rio Arriba, New Mexico</b>

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 recompletable 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 recompletable 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 Company requests permission to P&A the subject well per the attached procedure, current & proposed wellbore schematics. The Pre-Disturbance onsite was held on 8/28/15 with Bob Switzer/BLM. The Re-vegetation plan is attached. A closed loop system will be utilized for this P&A.

OIL CONS. DIV DIST. 3

**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**

OCT 06 2015

Notify NMOCD 24 hrs prior to beginning operations

**SEE ATTACHED FOR CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) <b>Arleen White</b>	Title <b>Staff Regulatory Technician</b>
Signature <i>Arleen White</i>	Date <b>9/25/15</b>

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>Jack Savage</i>	Title <b>PE</b>	Date <b>10/1/15</b>
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 <b>FFO</b>	

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**  
**APACHE 7**  
**Expense - P&A**

Lat 36° 28' 35.72" N

Long 107° 10' 23.52" 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. **Before RU, run WL remove downhole equipment. If an obstruction is found, set a locking-3-slip-stop in the tubing.**

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. NU single BOP with 1-1/4" pipe rams. Pressure and function test BOP to 250 psi low and 1,000 psi over SICP high to a maximum of 2,000 psi held and charted for 10 minutes as per COP Well Control Manual. PU and remove tubing hanger

5. TOOH and lay down tubing (per pertinent data sheet). ND single BOP with 1-1/4" pipe rams.

**Tubing size: 1.66" 2.4# J-55**

**Set Depth: 8,131'**

**KB: 12'**

6. PU 3-3/4" bit, watermelon mill, and 2-3/8" rental string and round trip as deep as possible above top perforation at 7,972'.

7. PU 4-1/2" CR and set at 7,922'. Pressure test tubing to 1,000 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 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 (NMOCD) at [brandon.powell@state.nm.us](mailto:brandon.powell@state.nm.us) upon completion of logging operations.*

**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.**

9. Plug 1 - Dakota and Graneros Formation Tops, 7822' - 7922', 12 Sacks Class B Cement

Trip in hole with tubing. Mix 12 sx Class B cement and spot a balanced plug inside the casing to cover the Graneros formation top. PUH.

10. Plug 2 - Gallup Formation Top, 6990' - 7090', 12 Sacks Class B Cement

Mix 12 sx Class B cement and spot a balanced plug inside the casing to cover the Gallup formation top. POOH.

11. Plug 3 - Mancos Formation Top, 6360' - 6460', 51 Sacks Class B Cement

RIH and perforate 3 squeeze holes at 6,460'. Establish injection rate into squeeze holes. RIH with a 4-1/2" CR and set at 6,410'. Mix 51 sx Class B cement. Squeeze 39 sx outside the casing, leaving 12 sx inside the casing to cover the Mancos formation top. POOH.

12. Plug 4 - Mesaverde Formation Top, 5399' - 5499', 51 Sacks Class B Cement

RIH and perforate 3 squeeze holes at 5,499'. Establish injection rate into squeeze holes. RIH with a 4-1/2" CR and set at 5,449'. Mix 51 sx Class B cement. Squeeze 39 sx outside the casing, leaving 12 sx inside the casing to cover the Mesaverde formation top. PUH.

13. Plug 5 - Pictured Cliffs Formation Top, 3723' - 3823', 12 Sacks Class B Cement

Mix 12 sx Class B cement and spot a balanced plug inside the casing to cover the Pictured Cliffs formation top. POOH.

14. Plug 6 - Kirtland and Ojo Alamo Formation Tops, 3229' - 3519', 26 Sacks Class B Cement

Mix 26 sx Class B cement and spot a balanced plug inside the casing to cover the Kirtland and Ojo Alamo formation tops. POOH.

15. Plug 7 - Nacimiento Formation Top, 2137' - 2237', 51 Sacks Class B Cement

RIH and perforate 3 squeeze holes at 2,237'. Establish injection rate into squeeze holes. RIH with a 4-1/2" CR and set at 2,187'. Mix 51 sx Class B cement. Squeeze 39 sx outside the casing, leaving 12 sx inside the casing to cover the Nacimiento formation top. POOH.



**ConocoPhillips**  
**APACHE 7**  
**Expense - P&A**

**Lat 36° 28' 35.72" N**

**Long 107° 10' 23.52" W**

**16. Plug 8 - Surface Plug, 0' - 278', 104 Sacks Class B Cement**

RU WL and perforate 4 big hole charge (if available) squeeze holes at 278'. 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 at 227'. Mix 83 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 228'. Mix 21 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.



**Current Schematic**

API / UWI 3003920279	Surface Leg # Location NMPM-26N-03W-20-D	Field Name DK	License No.	State/Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 7,099.00	Original KSB RT Elevation (ft) 7,112.00	KB-Ground Distance (ft) 13.00	KB-Casing Flange Distance (ft) 7,112.00	KB-Tuding Hanger Distance (ft) 7,112.00	

Vertical - Original Hole, 7/22/2015 1:35:31 PM

Vertical schematic (actual)	MD (ftKB)	Formation Tops
	13.1	
	227.0	
1; Surface; 8 5/8 in; 8.097 in; 13.0 ftKB; 228.0 ftKB	228.0	
Surface Casing Cement; 13.0-232.0; 10/2/1969; Cmt'd w/175 sx Class A cement, circ to surface.	232.0	
	1,045.9	
	2,187.0	NAGIMIENTO
	3,275.9	OJO ALAMO
	3,293.0	
	3,469.2	KIRTLAND/FRUITL...
	3,773.0	PICTURED CLIFFS
	3,836.0	LEWIS
DV Tool @ 3896'	3,856.0	
Production Casing Cement; 3,293.0-3,896.0; 10/21/1969; 3rd stg: 150 sx Class C, TOC @ 3293' by 75% eff. calc.	3,897.0	
	4,234.9	HUERFANITO BEN...
	4,717.8	GHACRA
	5,449.1	CLIFF HOUSE
	5,542.0	
	5,549.9	MENEFEE
	5,919.9	POINT-LOOKOUT
DV Tool @ 6145'	6,145.0	
Production Casing Cement; 5,542.0-6,145.0; 10/21/1969; 2nd stg: 150 sx Class C, TOC @ 5542' by 75% eff. calc.	6,145.0	
	6,410.1	MANGOS
	6,710.0	
	6,816.9	
	7,040.0	GALLUP
	7,875.0	GREENHORN
	7,938.0	GRANEROS
	7,965.9	TWO WELLS
	7,972.1	
PERF - DAKOTA; 7,972.0-7,984.0; 11/1/1969	7,983.9	
	8,065.9	
PERF - DAKOTA; 8,066.0-8,159.0; 11/1/1969	8,130.9	
Production Casing Cement; 6,710.0-8,217.0; 10/21/1969; 1st stg: 375 sx Class C, TOC @ 6710' by 75% eff. calc.	8,159.1	
	8,180.1	
PBTD: 8,180.0	8,215.9	
Auto cement plug; 8,180.0-8,217.0; 10/21/1969; Automatically created cement plug from the casing cement because it had a tagged depth.	8,216.9	
2; Production1; 4 1/2 in; 4.000 in; 13.0 ftKB; 8,217.0 ftKB		



# ConocoPhillips

## Schematic - Proposed APACHE #7

District SOUTH	Field Name DK	API / UWI 3003920279	County RIO ARRIBA	State/Province NEW MEXICO
Original Spud Date 10/2/1969	Surf Loc NMPM-26N-03W-20-D	East/West Distance (ft) 990.00	East/West Reference FWL	N/S Dist (ft) 1,100.00
				North/South Reference FNL

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

Vertical schematic (actual)	MD (ftKB)	Formation Tops
1; Surface; 8 5/8 in; 8.097 in; 13.0 ftKB; 228.0 ftKB Cement Retainer; 227.0-230.0	13.1 227.0 230.0	
SQUEEZE PERFS; 278.0; 1/1/2020	232.0	
Cement Retainer; 2,187.0- 2,190.0	237.9	
SQUEEZE PERFS; 2,237.0; 1/1/2020	2,137.1	
	2,187.0	NACIMIENTO
	2,190.0	
	2,236.9	
	3,229.0	
	3,279.9	OJO ALAMO
	3,293.0	
	3,469.2	KIRTLAND/F...
	3,519.0	
	3,723.1	
	3,773.0	PICTURED C...
	3,823.2	
	3,836.0	LEWIS
	3,896.0	
	4,234.9	HUERFANT...
	4,717.8	CHACRA
	5,358.9	
	5,449.1	CLIFF HOUSE
	5,452.1	
	5,499.0	
	5,542.0	
	5,549.9	MENEFE
	5,919.9	POINT LOOK...
	6,145.0	
	6,359.9	
	6,410.1	MANCOS
	6,413.1	
	6,460.9	
	6,710.0	
	6,990.2	
	7,040.0	GALLUP
	7,089.9	
	7,821.9	
	7,875.0	GREENHORN
	7,921.9	
	7,924.9	
	7,938.0	GRANEROS
	7,965.9	TWO WELLS
	7,972.1	
	7,983.9	
	8,065.9	
	8,159.1	
	8,180.1	
	8,216.9	
2; Production1; 4 1/2 in; 4.000 in; 13.0 ftKB; 8,217.0 ftKB		



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: Apache #7

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) Bring the top of plug #2 to **6845 ft.** to cover the Gallup top. **BLM picks top of Gallup at 6895 ft.** Adjust cement volume accordingly.
  - b) Bring the top of plug #5 to **3694 ft.** to cover the Pictured Cliffs top. **BLM picks top of Pictured Cliffs at 3744 ft.** Adjust cement volume accordingly.
  - c) Set plug #6 (**3590-3250 ft.**) to cover the Fruitland, Kirtland Shale, and Ojo Alamo tops. **BLM picks top of Ojo Alamo at 3300 ft.**
  - d) Bring the top of plug #7 to **1988 ft.** to cover the Nacimiento top. **BLM picks top of Nacimiento at 2038 ft.** Adjust cement volume accordingly.

Operator will run a CBL to verify cement top. Submit the electronic copy of the log for verification to the following addresses: [tsalyers@blm.gov](mailto:tsalyers@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.