Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

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.

5. Lease Serial No.
JIC66

6. If Indian, Allottee or Tribe Name
JICARILLA APACHE

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

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
JIC 28 2

2. Name of Operator
CONOCOPHILLIPS

Contact: DEBORAH MARBERRY
E-Mail: DEBORAH.MARBERRY@CONOCOPHILLIPS.COM

9. API Well No. 30-039-05870-00-D1 (039-05870)

3a. Address
PO BOX 2197 WL3 6106
HOUSTON, TX 77252

3b. Phone No. (include area code)
Ph: 832-486-2326

10. Field and Pool, or Exploratory
W LINDRITH

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 27 T25N R4W NWNW

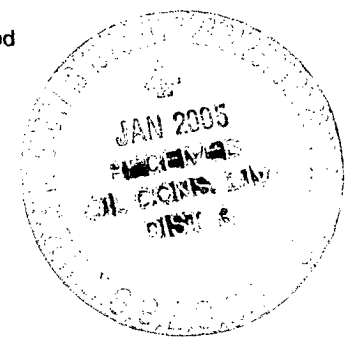
11. County or Parish, and State
RIO ARRIBA COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☒ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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.)

ConocoPhillips proposes to plug and abandon this well as per the attached procedure. Also attached is a current and proposed wellbore schematic.



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

Electronic Submission #52152 verified by the BLM Well Information System
For CONOCOPHILLIPS, sent to the Rio Puerco
Committed to AFMSS for processing by ANGIE MEDINA-JONES on 01/12/2005 (05AMJ0146SE)

Name *(Printed/Typed)* DEBORAH MARBERRY — Title SUBMITTING CONTACT

Signature (Electronic Submission) — Date 12/21/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By (BLM Approver Not Specified) — Title — Date 01/20/2005

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 Rio Puerco

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

PLUG AND ABANDONMENT PROCEDURE

December 14, 2004

Jicarilla 28 #2

West Lindrith Jicarilla Gallup / Basin Dakota
485' FNL & 760' FWL, Section 34, T025N, R04W
Latitude: N 36º 22' 34.572", Longitude: W 107º 14' 46.68"

Note: 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 Type III, mixed at 14.8 ppg with a 1.32 cf/sx yield.

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and ConocoPhillips safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary.

2. NU BOP on DK 4.5" casing; test BOP. TOH with 2.375" tubing, 7696'. Note: There are slick line tools stuck in bottom. Visually inspect tubing, if necessary LD tubing and PU a workstring.

3. In the 4.5" Dakota casing roundtrip a wireline gauge ring to 7542', or as deep as possible. In the 4.5" Gallup casing roundtrip wireline gauge ring to 6600', or as deep as possible. In the 2.875" Mesaverde casing roundtrip wireline gauge ring to 6000', or as deep as possible.

4. **Plug DK casing #1 (Dakota perforations, 7542' – 7492'):** RIH and set a 4.5" CIBP at 7542'. Dump bail 50' Class B cement (4 sxs) on top of CIBP to isolate the Dakota perforations.

5. **Plug DK casing #2 (Gallup perforations, 6956' – 6060'):** TIH with tubing and set 4.5" CR at 6574'. Pressure test tubing to 1000#. Establish a rate into the Gallup perforations. Sting out of the CR and load the 4.5" DK casing with water. Circulate the casing clean. Pressure test the DK 4.5" casing to 800#. If the casing does not test, then spot or tag plugs as appropriate. Sting back into the CR and pump 50 bbls water. Mix and pump 93 sxs Class B cement, squeeze 50 sxs below the CR to fill the Gallup perforations in both the DK and GL casings, and then leave 43 sxs above the CR to cover the Gallup top in the DK casing. PUH to 4670'.

6. **Plug DK casing #3 (Mesaverde top, 4670' – 4570'):** Mix 11 sxs Type III cement and spot a balanced plug inside the DK casing to cover the Mesaverde top. TOH with tubing.

7. ND BOP from DK casing and NU on GL casing. TIH with 2.375" workstring and tag cement in the Gallup casing from plug #1 (needs to be at least above 6060'). Load casing with water and circulate GL casing clean. Pressure test the GL 4.5" casing to 800#. If the casing does not test, then spot or tag subsequent plugs as appropriate. Fill as appropriate.

8. **Plug GL casing #4 (Mesaverde top, 4670' – 4570'):** Mix 11 sxs Type III cement and spot a balanced plug inside the casing to cover the Mesaverde top. PUH with tubing to 3350'.

9. On the DK 4.5" casing, RU wireline unit and RIH. Tag cement from plug #3 cover the Mesaverde top

10. **Plug GL casing #5 (Pictured Cliffs and Fruitland tops, 3350' – 3090'):** Mix 21 sxs Type III cement and spot a balanced plug inside the Gallup casing to cover the Pictured Cliffs and Fruitland tops. TOH with tubing.

11. ND BOP from GL casing and NU on DK casing. TIH with 2.375" workstring to 3350.

12. **Plug DK casing #6 (Pictured Cliffs and Fruitland tops, 3350' – 3090'):** Mix 21 sxs Type III cement and spot a balanced plug inside the Dakota casing to cover the Pictured Cliffs and Fruitland tops. TOH with tubing.

13. ND BOP from DK casing and NU on MV 2.875" casing. Prepare a 1.660" IJ tubing workstring.

14. **Plug MV casing #7 (Mesaverde perforations and top, 4900' – 4570'):** RIH and set a 2.875" CIBP at 4900'. TIH with 1.660" worksting and tag CIBP. Load Mesaverde casing with water and circulate well clean. Pressure test casing to 1000#. If casing does not test, then spot or tag subsequent plug as appropriate. Mix 12 sxs Type III cement and spot a balanced plug inside the casing to cover the Mesaverde top. PUH to 3350'.

15. **Plug MV casing #8 (Pictured Cliffs and Fruitland tops, 3350' – 3090'):** Mix 10 sxs Type III cement and spot a balanced plug inside the casing to cover the Pictured Cliffs and Fruitland tops. TOH and LD 1.660" tubing (unless the casing did not test).

16. If the MV 2.875" casing does not test prior to perforating, then NU BOP on either the GL or DK casing (preference for the 4.5" casing string that has tested) and perforate at 2930'. Then set a 4.5" CR at 2880' and squeeze the annulus to cover the Kirtland and Ojo Alamo. If one or more of the casing strings does not test, then do not perforate at 2930'; instead set an inside plug of the appropriate length. If all casing test, then do step #17 and then step #18.

17. **Plug MV casing #9 (Kirtland and Ojo Alamo tops, 2930' – 2690'):** Perforate 4 bi-wire holes in the MV 2.875"at 2930'. If the casing tested, then establish a rate into the squeeze holes. Attempt to circulate out both the GL and DK casing strings to surface. If unable to circulate in either casing then perforate 2 holes at 2930' in the 4.5" casing and attempt to circulate again. Mix and pump 305 sxs Type III cement, squeeze 295 sxs outside the 2.875" casing to cover the Kirtland and Ojo Alamo tops and fill the GL and DK casings, then leave 10 sxs inside

2.875" casing, displace to 2500'. WOC and tag cement in all 3 casing with wireline. Fill as appropriate.

18. **Plug MV casing #10 (Nacimiento top, 1260' – 1160'):** Perforate 4 bi-wire holes in the MV 2.875"at 1260'. If the casing tested, then establish a rate into the squeeze holes. Attempt to circulate out both the GL and DK casing strings to surface. If unable to circulate in either casing then perforate 2 holes at 1260' in the 4.5" casing and attempt to circulate again. Mix and pump 115 sxs Type III cement, squeeze 105 sxs outside the 2.875" casing to cover the Nacimiento top and fill the GL and DK casings, then leave 10 sxs inside 2.875" casing, displace to 1000'. WOC and tag cement in all 3 casing with wireline. Fill as appropriate.

19. **Plug MV casing #11 (13-3/8" Surface casing, 252' - Surface):** Perforate 3 squeeze holes at 252'. Establish circulation out the bradenhead valve with water and out both the 4.5" GL and DK casings. Mix and pump approximately 130 sxs Type III cement down 2.875" casing to circulate good cement out the bradenhead valve and 4.5" GL and DK casings. Shut well and WOC.

20. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

Jicarilla 28 #2

Proposed P&A

West Lindrith – Jicarilla Gallup / Dakota

660' FNL & 660' FWL, Section 27, T-25-N, R-4-W, Rio Arriba County, NM

Lat: N 36^ 22'34/572" / Long: W 107^ 14' 46.68" / API # 30-039-05870

Today's Date: **12/14/04**
Spud: 8/10/60
Completed: 9/2/60
Elevation: 6975' KB

7-1/4" hole

13-3/8" 48#, Casing set @ 202'
Cement with 200 sxs, circulated to surface.

Plug #11 **Perforate Casings at 252'**

Nacimiento @ 1210'

Plug #10

Perforate Casing at 1260'

Ojo Alamo @ 2740'

Plug #9

Kirtland @ 2935'

Perforate Casing at 2930'

Plug #8

TOC @ 2940' (T.S.)

Fruitland @ 3140'

Plug #5 **Plug #6**

Pictured Cliffs @ 3300'

Plug #7

Gallup 4-1/2" String DV Tool @ 3382'
Cement PC 4-1/2" string with 230 sxs

TOC @ 4593' (T.S.) **Set 2.785" CIBP at 4900'**

Mesaverde @ 4620'

Mesaverde Perforations:
4958' – 4982' (1963)

Plug #4 **Plug #3**

Dakota 4-1/2" DV Tool @ 5691'
Cement with 800 sxs

2-7/8" Plug @ 6000'
(1961)

Gallup @ 6110'

TOC @ 6112' (T.S.)

Gallup Perforations:
6628' – 6740' **Set 4.5" CR at 6575'**
Plug #2

TOC @ 7105' (T.S.)

12-1/4" hole 7000'

Dakota & Gallup Perforations:
6624' – 6956' (May '75) **Set 4.5" CIBP at 7542'**
7592' – 7600' **Plug #1**

Dakota @ 7480'

9" hole to 7739'

DK 4-1/2" Casing set @ 7735' w/270 sxs
GL 4-1/2" Casing set @ 7014' w/420 sxs
MV 2-7/8" Casing set @ 7488'

TD 7735'

Jicarilla 28 #2

Current

West Lindrith – Jicarilla Gallup / Dakota

660' FNL & 660' FWL, Section 27, T-25-N, R-4-W, Rio Arriba County, NM

Lat: N 36^ 22' 34.6", Long: W 107^ 14' 46.7" / API # 30-039-05870

Today's Date: **12/14/04**
Spud: 8/10/60
Completed: 9/2/60
Elevation: 6975' KB

7-1/4" hole

Nacimiento @ 1210'

Ojo Alamo @ 2740'

Kirtland @ 2935'

Fruitland @ 3140'

Pictured Cliffs @ 3300'

Mesaverde @ 4620'

Mesaverde Perforations:
4958' – 4982' (1963)

2-7/8" Plug @ 6000'
(1961)

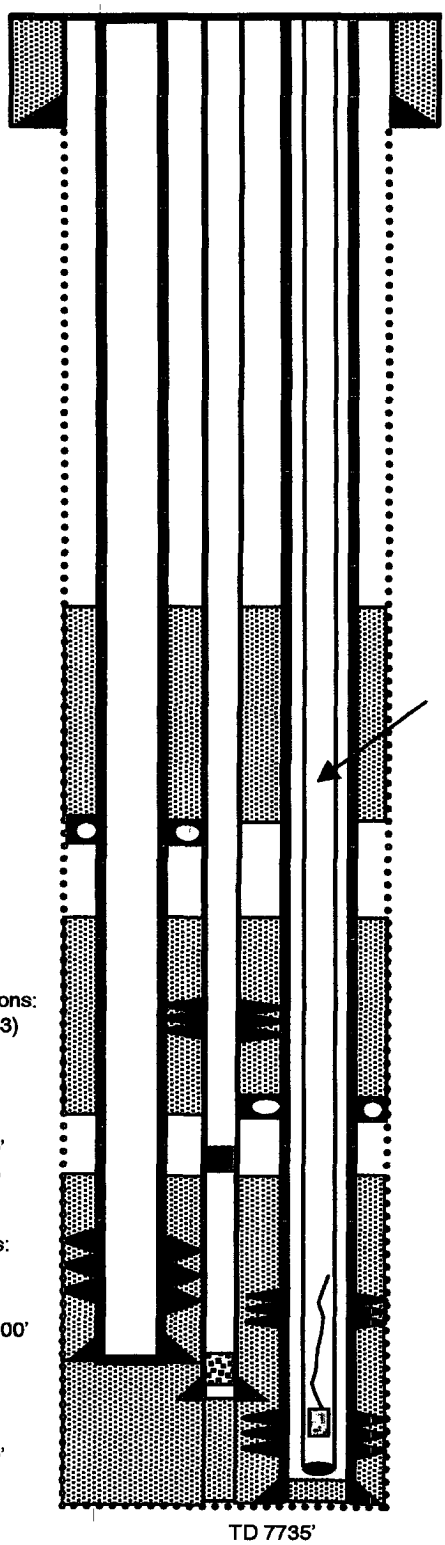
Gallup @ 6110'

Gallup Perforations:
6628' – 6740'

12-1/4" hole 7000'

Dakota @ 7480'

9" hole to 7739'



TD 7735'

13-3/8" 48#, Casing set @ 202'
Cement with 200 sxs, circulated to surface.

Well History

Mar '61: P&A Greenhorn: Squeeze perfs with cement and set plug at 6000' in 2-7/8" casing.
May '75: TOH w/tubing, rods and pump. CO Gallup casing to 6998'. Perforate Dakota casing 6624' – 6956'. Run tubing in Dakota casing. Left Gallup casing TA.
Jun '97: Slickline: Tag fill at 7686', PT tubing OK; RIH bailer and get sample at 7680'. Set slip stop and bumper spring at 7592'. Perforate tubing at 7582' – 7590'. Remove slip stop to 7560'.
Dec '02: Slickline: Ran in hole with 2" pulling tool; latched onto spring at 7633', POH. RIH w/1.9 GR, tag 7633', RIH w/1.50 impression block, tagged at 7729', PUH to 2360', wire broke, left 5' of STM, jars and impression block. Attempt to fish. Left in hole.

TOC @ 2940' (T.S.)

2-3/8" Tubing set at 7696'
(243 joints with slick line tools lost)

Gallup 4-1/2" String DV Tool @ 3382'
Cement PC 4-1/2" string with 230 sxs

TOC @ 4593' (T.S.)

Dakota 4-1/2" DV Tool @ 5691'
Cement with 800 sxs

TOC @ 6112' (T.S.)

TOC @ 7105' (T.S.)

Lost 5' of STM, jars and impression block in DK tubing. (2002)

Dakota & Gallup Perforations:
6624' – 6956' (May '75)

7592' – 7600'

DK 4-1/2" Casing set @ 7735' w/270 sxs
GL 4-1/2" Casing set @ 7014' w/420 sxs
MV 2-7/8" Casing set @ 7488'