

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

5. Lease Serial No.

0300164470 - NM 16447

6. If Indian, Allottee or Tribe Name

NAVAJO

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

8. Well Name and No.

COUGAR #1

9. API Well No.

30-039-20781

10. Field and Pool, or Exploratory Area

BAVILAN PICTURED CLIFFS

11. County or Parish, State

RIO ARRIBA

NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

CONOCO, INC.

3a. Address

P.O. BOX 2197 DU 3066 HOUSTON, TX 77252

3b. Phone No. (include area code)

(281)293-1005

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

M, SEC. 19 T25N, R1W

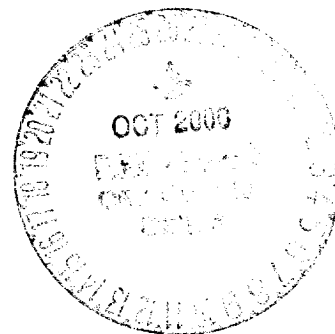
790' FSL & 890' FWL

12. CHECK 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 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 recompleat 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.)

Conoco proposes to plug and abandon this well using the attached procedure. Also attached are current and proposed wellbore schematic.



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

Name (Printed/Typed)

DEBORAH MARBERRY

Title

REGULATORY ANALYST

Date

10/11/2000

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ Brian W. Davis

Lands and Mineral Resources

Date

OCT 24 2000

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

Title 18 U.S.C. Section 1001, makes 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 reverse)

PLUG AND ABANDONMENT PROCEDURE

10/5/00

Cougar #1
Gavilan Pictured Cliffs
790' FSL & 890' FWL, Section 19, T25N, R1W
San Juan County, New Mexico
Lat: _____ / Long: _____

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.

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and Conoco 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. ND wellhead and NU BOP. Test BOP.
2. TOH with 109 joints 1-1/4 IJ" tubing and inspect, if necessary LD. Round-trip 4-1/2" gauge ring or casing scraper to 3518' or as deep as possible.
3. **Plug #1 (Pictured Cliffs perforations and Fruitland, Kirtland, Ojo Alamo tops, 3518' – 3308')**: Set 4-1/2" wireline CIBP or cement retainer at 3518'. TIH with tubing and tag CIBP. Load casing with water and circulate well clean. Pressure test casing to 500#. If casing does not test, spot or tag subsequent plugs as appropriate. Mix 20 sxs Class B cement and spot a balanced plug inside casing above the CIBP to isolate the Pictured Cliffs and to cover through the Ojo Alamo top.
4. **Plug #2 (Nacimiento top, 1949' – 1849')**: Perforate 3 HSC squeeze holes at 1949'. Establish rate into squeeze holes if casing tested. Set 4-1/2" cement retainer at 1899'. Pressure test tubing to 1000#. Establish rate into squeeze holes. Mix 51 sxs Class B cement, squeeze 39 sxs cement outside 4-1/2" casing and leave 12 sxs cement inside casing to cover Nacimiento top. TOH and LD tubing.
5. **Plug #3 (8-5/8" Surface casing, 145' - Surface)**: Perforate 3 HSC squeeze holes at ^{145'}~~95'~~. Establish circulation out bradenhead valve. Mix and pump approximately 60 sxs Class B cement down 4-1/2" casing to circulate good cement out bradenhead valve. Shut well in and WOC.
6. 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.

Cougar #1

Current

Gavilan Pictured Cliffs

SW, Section 19, T-25-N, R-1-W, San Juan County, NM

Lat: / Long:

Today's Date: 10/5/00

Spud: 11/30/73

Completed: 5/3/74

Elevation: 7441' GR
7454' KB

12-1/4" hole

8-5/8" 24#, J-55 Csg set @ 95'
Cmt w/60 sxs (Circulated to Surface)

Nacimiento @ 1899'

TOC @ 2752' (Calc, 75%)

Ojo Alamo @ 3358'

1-1/4" tubing at 3610'
(109 joints 2.3# IJ)

Kirtland @ 3444'

Fruitland @ 3525'

Pictured Cliffs @ 3554'

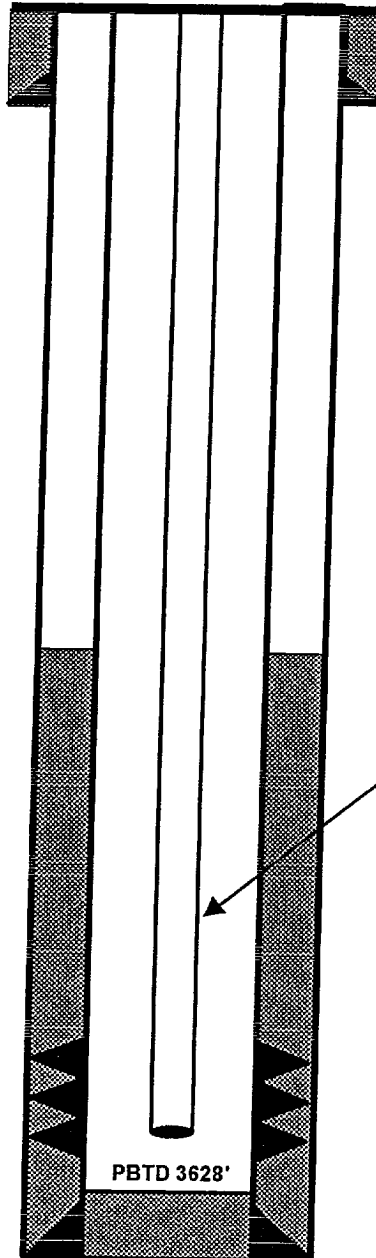
Pictured Cliffs Perforations:
3568' - 3604'

PBTD 3628'

4-1/2" 10.5&11.6#, K-55 Casing set @ 3684'
Cmt with 150 sxs (283 cf)

7-7/8" Hole

TD 3684'



Cougar #1

Proposed P&A

Gavilan Pictured Cliffs

SW, Section 19, T-25-N, R-1-W, San Juan County, NM

Lat: / Long:

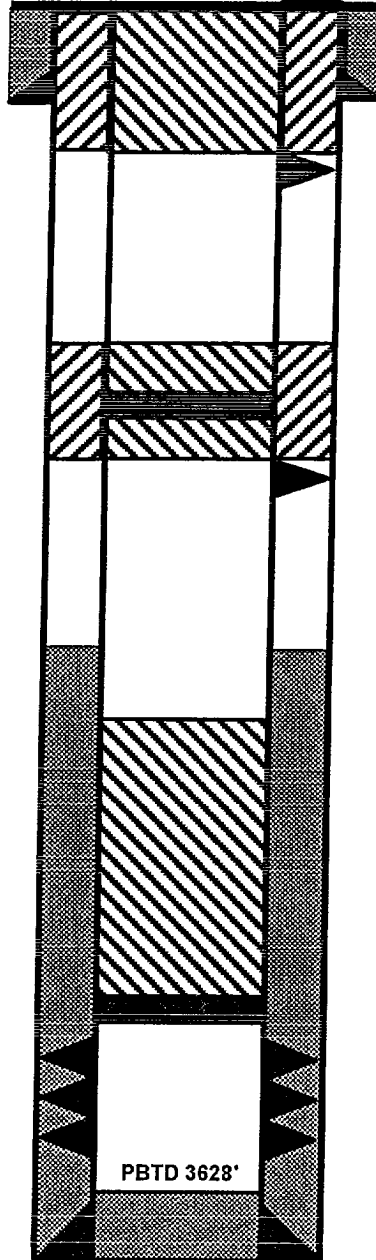
Today's Date: 10/5/00

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7454' KB

12-1/4" hole



8-5/8" 24#, J-55 Csg set @ 95'
Cmt w/60 sxs (Circulated to Surface)

Perforate @ 145'

Plug #3 145' - Surface
Cmt with 60 sxs Class B

Nacimiento @ 1899'

Cmt Retainer @ 1899'

Plug #2 1949' - 1849'
Cmt with 51 sxs Class B,
39 sxs outside casing and 12
sxs inside.

Perforate @ 1949'

TOC @ 2752' (Calc, 75%)

Ojo Alamo @ 3358'

Plug #1 3518' - 3308'
Cmt with 20 sxs Class B

Kirtland @ 3444'

Set CIBP @ 3518'

Fruitland @ 3525'

Pictured Cliffs Perforations:
3568' - 3604'

Pictured Cliffs @ 3554'

4-1/2" 10.5&11.6#, K-55 Casing set @ 3684'
Cmt with 150 sxs (283 cf)

7-7/8" Hole

PBTD 3628'

TD 3684'

BLM CONDITIONS OF APPROVAL

The following surface rehabilitation Conditions of Approval must be complied with as applicable, before this well can be approved for final abandonment (see 43 CFR 3162.3-4). Surface rehabilitation work shall be completed within one year of the actual plugging date. Notification for completion of this work can be submitted with a Sundry Notice. Questions? Call Pat Hester at (505) 761-8786.

1. All fences, production equipment, purchaser's equipment, concrete slabs, deadman (anchors), flowlines, risers, debris and trash must be removed from the location. Non-retrieved flowlines and pipelines will be abandoned in accordance with State Rule 714. Information supporting the non-retrieval will be included in the subsequent report or final abandonment Sundry Notice.

2. Production pits will be closed according to the Unlined Surface Impoundment Closure Guidelines, as approved in the Environmental Assessment of December 1993. Any oil stained soils can be remediated on-site according to these guidelines or disposed of in an approved facility.

3. The well pad will be shaped to the natural terrain and left as rough as possible. All compacted areas and areas devoid of vegetation shall be ripped to a minimum of 12" in depth before reseeding.

4. Access roads will be shaped to conform to the natural terrain and left as rough as possible to deter vehicle travel. Access will be ripped to a minimum of 12" in depth, water barred and reseeded. All erosion problems created by the development must be corrected prior to acceptance of release. Water bars should be spaced as shown below along the fall line of the slope:

% Slope	Spacing Interval
Less than 20%	200'
2 to 5 %	150'
6 to 9 %	100'
10 to 15 %	50'
Greater than 15%	30'

5. All disturbed areas will be seeded with the prescribed certified seed mix (reseeding may be required). Seed mix must be certified weed free to avoid the introduction of noxious weeds. Refer to the original APD for seed mix.

6. Notify Surface Managing Agency seven (7) days prior to seeding so that they may be present to witness.

7. The period of liability under the bond of record will not be terminated until the well is inspected and the surface rehabilitation approved.

Other Surface Managing Agencies (SMA's) may vary slightly in their restoration requirements. It is your responsibility, as the operator, to obtain surface restoration requirements from other SMA's. We need to be provided with a copy of these requirements. Any problems concerning stipulations received from other SMA's should be brought to us.

On private land, a letter from the fee owner stating that the surface restoration is satisfactory will be provided to the office. Questions? Call Pat Hester at (505) 761-8786.