

+Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C 103  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.	30-039-20780
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	Cougar
8. Well No.	2
9. Pool name or Wildcat	✓ Davilan Pictured Cliffs
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A  
DIFFERENT RESERVOIR. USE APPLICATION FOR PERMIT  
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil ☐  
Well

Gas ☒  
Well

OTHER

2. Name of Operator

Conoco Inc.

3. Address of Operator

10 Desta Dr. Ste 100W, Midland, Tx., 79705-4500

4. Well Location

Unit Letter K 1850 Feet From The South Line and 1850 Feet From The West Line

Section 36 Township 25 N Range 2 W NMPM Rio Arriba County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

11.

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☒

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

It is proposed to plug & abandon this well according to the attached procedure.

RECEIVED  
NOV - 6 1997  
OIL CON. DIV.  
DIST. 3

12. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

*Kay Maddox*

TITLE

Regulatory Agent

DATE November 4, 1997

TYPE OR PRINT NAME Kay Maddox

TELEPHONE NO. 686-5798

(this space for State Use)

APPROVED BY

*Johnny Robinson*

TITLE

DEPUTY OIL & GAS INSPECTOR, DIST. #3

DATE

NOV - 6 1997

CONDITIONS OF APPROVAL, IF ANY:

*Price to 1-15-98*

NOTIFY AZTEC OCD  
IN TIME TO WITNESS

*Pt A*

## PLUG & ABANDONMENT PROCEDURE

10/27/97

**Cougar Fed #2**  
**Pictured Cliffs**  
SW Section 36, T-25-N, R-2-W  
Rio Arriba Co., New Mexico

Note: All cement volumes use 100% excess outside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and/or test rig anchors. Prepare blow pit. Comply to all NMOC, BLM and Conoco safety rules and regulations.
2. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line to blow well down; kill with water as necessary. ND wellhead and NU BOP and stripping head; test BOP.
3. POH and tally 1-1/4" tubing (3520'), visually inspect tubing, if necessary LD and PU workstring. Round-trip 4-1/2" gauge ring or casing scraper to 1800'.
4. **Plug #1 (Pictured Cliffs perforations and top, 3560' - 3448')**: RIH with open ended tubing to 3560' or as deep as possible. Load casing with water. Mix 20 sxs Class B cement from 3560' to 3448' to fill Pictured Cliffs perforations and cover top. POH to 2000' and WOC. RIH and tag cement, LD one joint. Load well with water and circulate clean. Pressure test casing to 500#.
5. **Plug #2 (Fruitland, Kirtland and Ojo Alamo tops, 3448' - 3180')**: Mix 25 sxs Class B cement and spot balanced plug from 3445' or top of cement to 3180'. POH with tubing.
6. **Plug #3 (Nacimiento top, 1850' - 1750')**: Perforate 3 squeeze holes at 1820'. Establish rate into squeeze holes if casing tested. PU 4-1/2" cement retainer and RIH; set at 1770'. Pressure test tubing to 1000# and then establish rate into squeeze holes. Mix 50 sxs Class B cement and squeeze 39 sxs cement outside 4-1/2" casing and leave 11 sxs cement inside casing to cover Nacimiento top. POH and LD tubing.
7. **Plug #4 (8-5/8" Casing Shoe at 113')**: Perforate 2 squeeze holes at 163'. Establish circulation out bradenhead valve. Mix and pump approximately 50 sxs Class B cement down 4-1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
8. 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 Federal #2

Proposed P&A

Pictured Cliffs

SW Section 36, T-25-N, R-2-W, Rio Arriba County, NM

Today's Date: 10-27-97

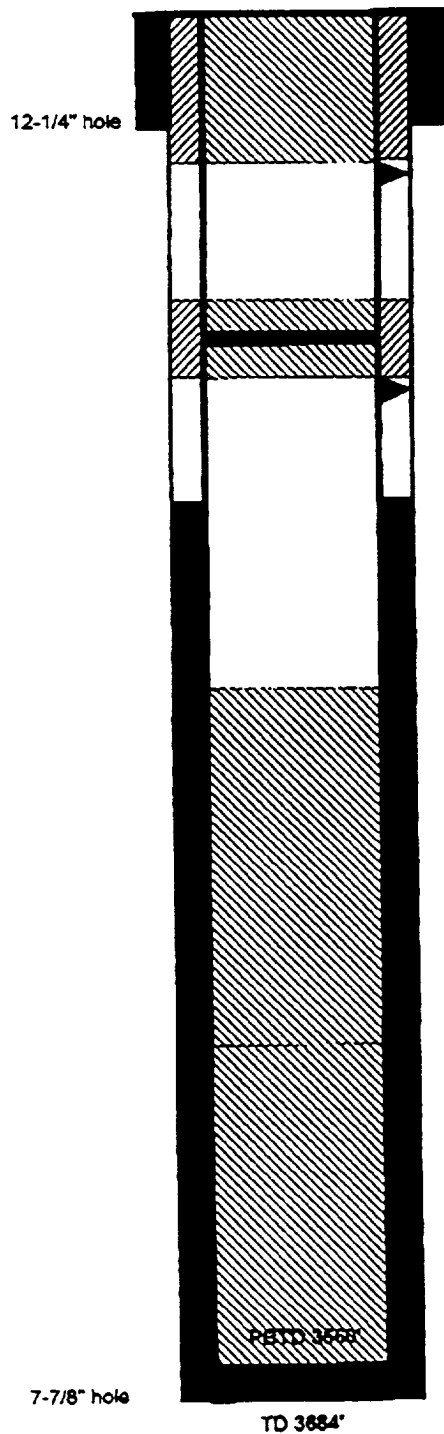
Nacimiento @ 1770'

Ojo Alamo @ 3230'

Kirtland @ 3362'

Fruitland @ 3392'

Pictured Cliffs @ 3498'



8-5/8" 24# Csg set @ 113'  
(Circulated to Surface)

Perforate @ 163'

Plug #4 163' - Surface  
Cmt with 50 sxs Class B

Cmt Retainer @ 1770'

Perforate @ 1820'

Plug #3 1820' - 1720'  
Cmt with 50 sxs Class B,  
11 sxs inside casing and  
39 sxs outside casing.

TOC @ 2340' (Calc, 75%)

Plug #2 3448' - 3180'  
Cmt with 25 sxs Class B

Plug #1 3560' - 3448'  
Cmt with 20 sxs Class B

Pictured Cliffs Perforations:  
3527' - 3556'

4-1/2" 10.5# Casing set @ 3684'

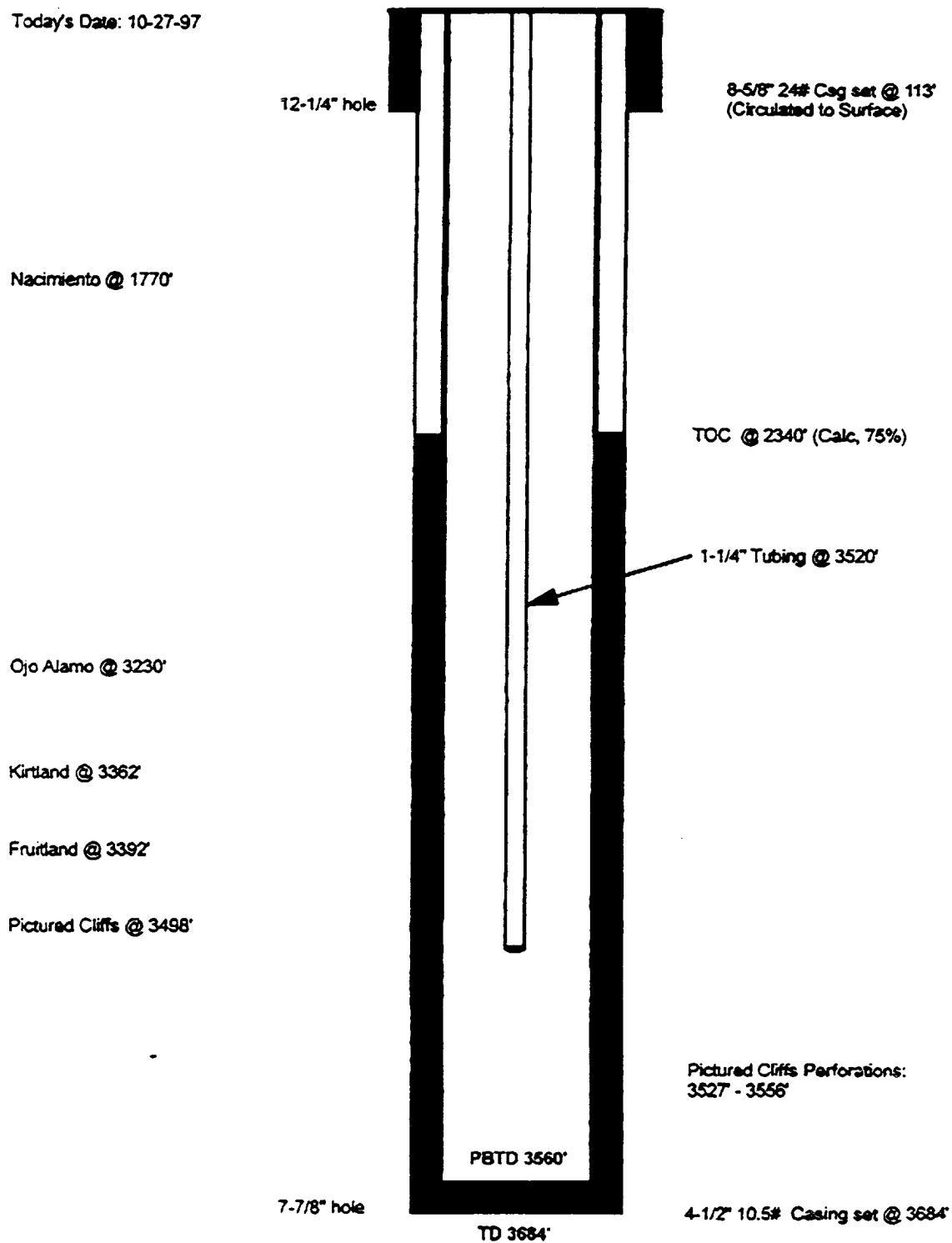
# Cougar Federal #2

Current

Pictured Cliffs

SW Section 36, T-25-N, R-2-W, Rio Arriba County, NM

Today's Date: 10-27-97



District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
PO Drawer DD, Artesia, NM 88211-0719

District III  
1000 Rio Brazos Rd. Aztec, NM 87410

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

# OIL CONSERVATION DIVISION

PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102

Revised February 21, 1994

instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-20780	2 Pool Code 77360	3 Pool Name Bavilan Pictured Cliffs
4 Property Code 16052	5 Property Name Cougar	6 Well Number 2
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500	9 Elevation 7434' GL


### 10 Surface Location

UL or lot no. K	Section 36	Township 25N	Range 2W	Lot Idn	Feet from the 1850	North/South line South	Feet from the 1850	East/West line West	County Rio Arriba
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### 11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 160	13 Joint or Infill	14 Consolidation Code	15 Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16				17 OPERATOR CERTIFICATION
				I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
				 Signature Kay Maddox
				Printed Name Regulatory Agent
				Title
				Date November 4, 1997
				18 SURVEYOR CERTIFICATION
				I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
				Date of Survey
				Signature and Seal of Professional Surveyor
				Certificate Number

