

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: November 30, 2000

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)
J550FEL 1749FNL 17 - 27N - 7W

5. Lease Serial/No.
SF 078640

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
SAN JUAN 28-7 116

9. API Well No.
3003907067

10. Field and Pool, or Exploratory Area
BLANCO P.C. SOUTH

11. County or Parish, and State
RIO ARRIBA NM

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 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.)

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

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Electronic Submission #1809 verified by the BLM Well Information System for CONOCO INC. Sent to the Farmington Field Office
Committed to AFMSS for processing by Maurice Johnson on 10/27/2000

Name (Printed/Typed) DEBORAH MARBERRY

Title SUBMITTING CONTACT

Signature

Date 10/27/2000

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

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

PLUG & ABANDONMENT PROCEDURE

10/20/00

San Juan 28-7 Unit #116

So. Blanco Pictured Cliffs Extension
1749' FNL & 1550' FEL, Section 17, T-27-N, R-7-W
Rio Arriba Co., New Mexico
Lat: N 36° 34.5' / Long: W 107° 35.6'
API No. 30-039-0706700

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and test rig anchors. Prepare blow pit. Comply with all NMOC, BLM and Conoco safety rules and regulations. MOL and RU daylight pulling unit. Blow well down; kill with water if necessary. ND wellhead and NU BOP and stripping head; test BOP.
2. TOH with 1-1/4" tubing, total 3348'. Visually inspect tubing, if necessary LD and PU workstring. Round-trip 5-1/2" wireline gauge ring to 3312', or as deep as possible.
3. **Plug #1 (Pictured Cliffs perforations and Fruitland top, 3312' - ^{3005'}3047')**: Set 5-1/2" wireline CIBP or cement retainer at 3312'. TIH with tubing and tag. Load casing with water and circulate well clean. Pressure test casing to 500#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix 36 sxs Class B cement and spot a balanced plug inside casing above the CIBP to isolate Pictured Cliffs perforations and cover Fruitland top. PUH to 2692'.
4. **Plug #2 (Kirtland top, 2692' - 2592')**: Mix 17 sxs Class B cement and spot balanced plug inside casing to cover the Kirtland top. PUH to 2520' and reverse circulate cement out. TOH with tubing.
5. **Plug #3 (Ojo Alamo tops, 2500' - 2400')**: Perforate 3 squeeze holes at 2500'. Establish rate into squeeze holes if casing tested. Set 5-1/2" retainer at 2542'. Pressure test tubing to 1000#. Establish rate into squeeze holes. Mix 47 sxs Class B cement and squeeze 30 sxs cement outside 5-1/2" casing and leave 17 sxs cement inside casing to cover through the Ojo Alamo top. TOH.
6. **Plug #4 (Nacimiento top, ¹⁵⁸⁴1653' - ¹⁴⁸⁴1553')**: Perforate 3 squeeze holes at ¹⁵⁸⁴1653'. Establish rate into squeeze holes if casing tested. Set 5-1/2" retainer at ¹⁵⁸⁴1603'. Establish rate into squeeze holes. Mix 47 sxs Class B cement and squeeze 30 sxs cement outside 5-1/2" casing and leave 17 sxs cement inside casing to cover through the Nacimiento top. TOH and LD tubing.
7. **Plug # (8-5/8" casing shoe, 178' - Surface)**: Perforate 3 squeeze holes at 178'. Establish circulation out bradenhead. Mix and pump approximately 60 Class B cement down 5-1/2" casing, circulate 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.

San Juan 28-7 Unit #116

Current

So. Blanco Pictured Cliffs Extension

NE, Section 17, T-27-N, R-7-W, Rio Arriba County, NM

Lat: N 36° 34.5' / Long: W 107° 35.6'

API No. 30-039-07067000

Today's Date: 10/20/00

Spud: 7/25/59

Completed: 8/17/59

Elevation: 6916' GL

12-1/4" hole

8-5/8" 32# J-55 Casing set @ 128'
Cmt w/60 sxs (Circulated to Surface)

Nacimiento @ 1603'

1-1/4" 2.4# tubing @ 3348'

Ojo Alamo @ 2450'

Kirtland @ 2642'

TOC @ 2620' (T.S.)

Fruitland @ 3097'

Pictured Cliffs @ 3360'

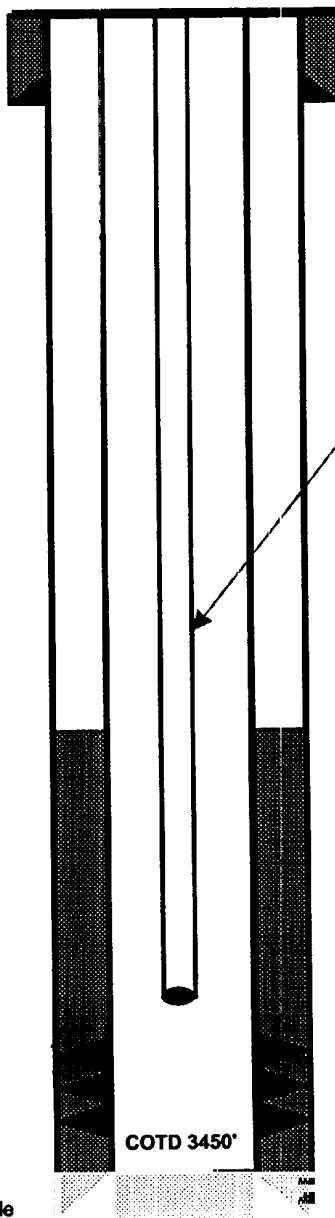
Pictured Cliffs Perforations:
3362' - 3430'

COTD 3450'

7-7/8" hole

5-1/2" 15.5#, J-55 Casing set @ 3465'
Cemented with 100 sxs

TD 3466'



San Juan 28-7 Unit #116

Proposed P&A

So. Blanco Pictured Cliffs Extension

NE, Section 17, T-27-N, R-7-W, Rio Arriba County, NM

Lat: N 36° 34.5' / Long: W 107° 35.6'

API No. 30-039-07067000

Today's Date: 10/20/00

Spud: 7/25/59

Completed: 8/17/59

Elevation: 6916' GL

12-1/4" hole

Nacimiento @ 1603'

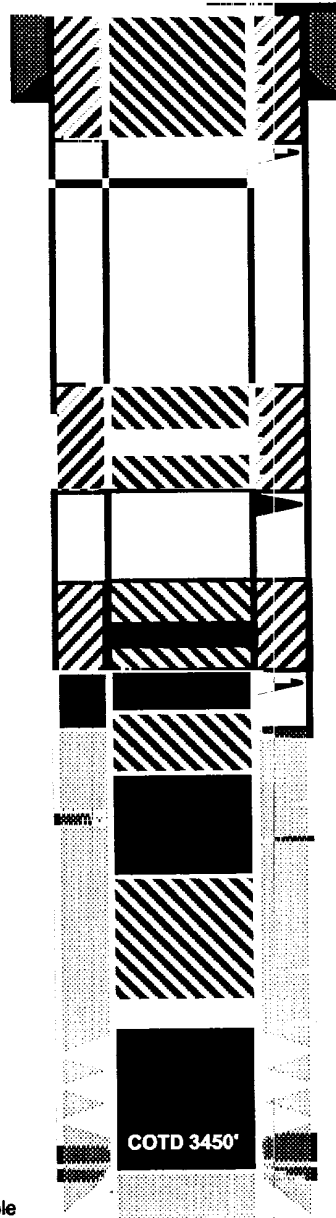
Ojo Alamo @ 2450'

Kirtland @ 2642'

Fruitland @ 3097'

Pictured Cliffs @ 3360'

7-7/8" hole



TD 3466'

8-5/8" 32# J-55 Casing set @ 128'
Cmt w/60 sxs (Circulated to Surface)

Perforate @ 178'

Plug #5 178' - Surface
Cmt with 60 sxs Class B

Cmt Retainer @ 1603'

Plug #4 1653' - 1553'
Cmt with 47 sxs Class B,
30 sxs outside casing
and 17 sxs inside

Perforate @ 1653'

Plug #3 2585' - 2485'
Cmt with 47 sxs Class B,
30 sxs outside casing
and 17 sxs inside.

Cmt Retainer @ 2450'

Perforate @ 2500'

TOC @ 2620' (T.S.)

Plug #2 2692' - 2592'
Cmt with 17 sxs Class B

Plug #1 3312' - 3047'
Cmt with 36 sxs Class B

Set CIBP @ 3312'

Pictured Cliffs Perforations:
3362' - 3430'

5-1/2" 15.5#, J-55 Casing set @ 3465'
Cemented with 100 sxs

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.

1. All fences, production equipment, purchaser's equipment, concrete slabs, deadman (anchors), flowlines, risers, debris and trash must be removed from the location.
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 may be remediated on-site according to these guidelines or disposed of in an approved disposal 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" before seeding.
4. Access roads will be shaped to conform to the natural terrain and left as rough as possible to detour vehicular travel. Access will be ripped to a minimum of 12" in depth and waterbarred prior to seeding. All erosion problems created by the development must be corrected prior to acceptance of release. Waterbars should be spaced as shown below:

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

All water bars should divert to the downhill side of the road.

5. All disturbed areas will be seeded with the prescribed certified seed mix (reseeding may be required).
6. Notify Surfacing Managing Agency seven (7) days prior to seeding so that they may be present for that option.
7. The period of liability under the bond of record will not be terminated until the lease is inspected and the surface rehabilitation approved.

Other 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, we should be provided with a letter from the fee owner stating that the surface restoration is satisfactory.

**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON FIELD OFFICE
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401**

Attachment to notice of

Re: Permanent Abandonment

Intention to Abandon:

Well: 116 San Juan 28-7 Unit

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. Mike Flanikan with the Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.

3. The following modifications to your plugging program are to be made:

a) Bring the top of the Pictured Cliffs/Fruitland plug to 3005'.

b) Place the Nacimiento plug from 1584' - 1484' inside and outside the 5 ½" casing.

Office Hours: 7:45 a.m. to 4:30 p.m.

**GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES
FARMINGTON DISTRICT OFFICE**

- 1.0 The approved plugging plans may contain variances from the following minimum general requirements.
- 1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Farmington District office, Branch of Drilling & Production.
- 1.2 Requirements may be added to address specific well conditions.
- 2.0 Materials used must be accurately measured.
- 3.0 A tank or approved pit must be used for containment of any fluids from the wellbore during plugging operations and all unattended pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.
- 3.1 Pits are not to be used for disposal of any constituent(s) of concern.
- 4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.
- 4.1 The cement shall be as specified in the approved plugging plan.
- 4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.
- 4.3 Surface plugs may be no less than 50' in length.
- 4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.
- 4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.
- 5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by: (1) tagging with the work string, or: (2) for cased holes only; pressuring to a minimum surface pressure of 500 PSI, with no more than a 10% drop during a 15-minute period.
- 5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.