

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

5. Lease Serial No.
CONT 145

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
JICARILLA K 16

9. API Well No.
3003920428

10. Field and Pool, or Exploratory Area
BLANCO MESAVERDE

11. County or Parish, and State
SAN JUAN 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)
790FWL 960FNL D-12-25N-5W

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 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 files 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.

Electronic Submission #2390 verified by the BLM Well Information System for CONOCO INC. Sent to the Rio Puerco Field Office
Committed to AFMSS for processing by Angie Medina-Jones on 01/19/2001

Name (Printed/Typed) **DEBORAH MARBERRY**

Title **SUBMITTING CONTACT**

Signature

Date **01/18/2001**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Lands and Mineral Resources
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

Revisions to Operator-Submitted EC Data for Sundry #2390

	Operator Submitted	BLM Revised (AFMSS)
Lease:	CONT 145	JIC145
Agreement:		
Operator:	CONOCO INC. P.O. BOX 2197 DU 3066 HOUSTON, TX 77252	CONOCO INC. P.O. BOX 2197 DU 3066 HOUSTON, TX 77252
Contact:	DEBORAH MARBERRY	DEBORAH MARBERRY
Title:	SUBMITTING CONTACT	SUBMITTING CONTACT
Phone:	281.293.1005	281.293.1005
Fax:	281.293.5466	281.293.5466
Email:	deborah.moore@usa.conoco.com	deborah.moore@usa.conoco.com
Wells:	3003920428 JICARILLA K 16 NWNW Sec 12 T25N R5W Mer 790FWL 960FNL	3003920428 JICARILLA K 16 NWNW Sec 12 T25N R5W Mer NMP

PLUG AND ABANDONMENT PROCEDURE

1/12/01

Jicarilla K #16

Basin Dakota/Blanco Mesaverde/Otero Chacra
960' FNL and 790' FWL, Section 12, T25N, R5W
Rio Arriba County, New Mexico, Long N 36° 25.7' 16" / Lat W 107° 18' 59.76"
API #30-039-204280

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 is ASMT Type II (15.6 ppg, 1.18 cf/sx).

1. Install and test rig anchors. Prepare blow pit. Comply to all NMOCD, BLM and Conoco safety rules and regulations. Conduct JSA meeting for all personnel on location. MOL and RU daylight pulling unit. NU relief line and blow well down; kill with water as necessary. ND wellhead and NU BOP and stripping head; test BOP.
2. **Plug #1 (Mesaverde perforations and stuck packer, 5701' – 4100')**: Record well pressures. Blow down the tubing and monitor the casing pressure. Load casing with water and pressure test to 1000#, observe tubing for flow or blow. Pump 40 bbls water down the tubing and establish a rate into the Mesaverde perforations. If tubing and patch have integrity, then mix and pump 96 sxs cement down the 2-7/8" tubing to fill the Mesaverde perforations; wash up pump and lines, then displace to 4100' with clean water. Shut in tubing and WOC.
3. Rig up wireline unit and RIH to tag cement in the 2-7/8" tubing. Release tubing patch at 4093' and TOH and LD 131 joints 2-7/8" tubing, total 4093'. Round trip a 4-1/2" gauge ring to 4050'.
4. **Plug #2 (Chacra perforations and fish, 4230' – 4000')**: Load casing with water and circulate clean. Establish a rate into the Chacra perforations. If the 4-1/2" casing pressures up to 1000#, then TIH with open ended tubing 2-3/8" tubing work string and tag the 2-7/8" casing stub. Mix 12 sxs cement and spot a balanced plug to cover the tubing stub and isolate the Chacra interval. If able to pump into the Chacra perforations, then TIH with 4-1/2" cement retainer and set CR at 4050'. Pressure test the tubing to 1000#. Load casing with water and circulate clean. Pressure test the 4-1/2" casing to 500#. If casing does not test, spot or tag subsequent plugs as appropriate. Establish a rate below the CR into the Chacra perforations. Mix 35 sxs cement and squeeze 25 sxs below the CR into the Chacra perforations and then spot 8 sxs above to isolate the fish. PUH to 3345'.
5. **Plug #3 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 3345' – 2720')**: Mix 52 sxs Class B cement and spot balanced plug inside casing to cover through the Ojo Alamo top. PUH to 1930'.
6. **Plug #4 (Nacimiento top, 1930' – 1830')**: Mix 12 sxs Class B cement and spot balanced plug inside casing to cover the Nacimiento top. TOH and LD the tubing.
7. **Plug #5 (8-5/8" Casing shoe, 390' - Surface)**: Perforate 3 HSC holes at 390'. Establish circulation out the bradenhead with water. Mix approximately 130 sxs Class B cement and pump down the 4-1/2" casing from 390' to surface, circulate good cement out bradenhead valve. Shut in well and WOC.
8. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

Jicarilla K #16

Proposed P&A

Basin Dakota /Otero Chacra / South Blanco Pictured Cliffs

NW, Section 12, T-25-N, R-05-W, Rio Arriba County, NM

API #30-039-204280

Long N 36° 25' 7.716" / Lat W 107° 18' 59.76"

Today's Date: 1/12/01

Spud: 10/4/71

Completed: 11/19/71

Elevation: 6990' GL
6999' KB

12-1/4" hole

8-5/8" 24#, J-55 Csg set @ 340'
Cmt w/250 sxs (Circulated to Surface)

Perforate @ 390'

Plug #5 390' - Surface
Cement with 130 sxs

TOC @ 1330' (CBL)

Nacimiento @ 1880'

Plug #4 1930' - 1830'
Cement with 12 sxs

Ojo Alamo @ 2770'

Plug #3 3345' - 2720'
Cement with 52 sxs

Kirtland @ 2990'

Fruitland @ 3140'

Pictured Cliffs @ 3295'

Set Cement Rt @ 4050'

Plug #2 4230' - 4000'
Cement with 35 sxs,
27 below the CR
and 8 above

2-7/8" tubing from 4083'
to 5246', stuck

Chacra @ 4202'

Chacra Perforations:
4202' - 4230'

Plug #1 5701' - 4100'
Cement with 96 sxs,
69 sxs below the
packer in the 4-1/2"
casing and 27 sxs in
the tubing, displace to
4100' with water.

DV Tool @ 4398'
Cmt with 1400 cf
TOC @ DV Tool (CBL)

Mesaverde @ 4978'

RTTS Packer on 2-7/8"
tubing stuck at 5246'

Mesaverde Perforations:
5341' - 5701' (1997)

CIBP set at 5767' (1997)

Gallup @ 6556'

Dakota Perforations:
7512' - 7524'

Dakota @ 7515'

Model "D" pkr pushed
to bottom (1997)

4-1/2" 10.5#, K-55 Casing set @ 7804'
Cmt with 1300 cf

7-7/8" hole

TD 7805'

Jicarilla K #16

Current

Basin Dakota /Otero Chacra / South Blanco Pictured Cliffs

NW, Section 12, T-25-N, R-05-W, Rio Arriba County, NM

API #30-039-204280

Long N 36° 25' 7.716" / Lat W 107° 18' 59.76"

Today's Date: 1/12/01

Spud: 10/4/71

Completed: 11/19/71

Elevation: 6990' GL
6999' KB

12-1/4" hole

8-5/8" 24#, J-55 Csg set @ 340'
Cmt w/250 sxs (Circulated to Surface)

TOC @ 1330' (CBL)

Nacimiento @ 1880'

2-7/8" Tubing @ 4093'
(131 joints)?

Ojo Alamo @ 2770'

Kirtland @ 2990'

Fruitland @ 3140'

Pictured Cliffs @ 3295'

Chacra @ 4202'

2-7/8" tubing from 4083'
to 5246',
stuck in frac sand or ?

Mesaverde @ 4978'

Gallup @ 6556'

Dakota @ 7515'

Model "D" pkr pushed
to bottom (10/97)

7-7/8" hole

TD 7805'

Well History

Oct '97: Planned to Complete Mesaverde and Comminge 3 Zones: Pull tubing and seal assembly; mill out packer and chase to bottom; set CIBP at 5765'; perforate MV zone; set packer at 5246', then acidize and frac MV; packer stuck, free point and cut tubing at 4083'; left 1160' 2-7/8" tubing and packer in well; made several attempts to clean out or back off tubing, stuck; set a 3-5/8" tubing patch on 2-7/8" tubing stub at 4093'; land tubing.

Nov '97: Clean out 2-7/8" tubing with coil tubing down to 5740'; well tested 20 MCFD.

Jan '98: Conoco records indicate tubing may have been pulled from well...no confirmation on this.
Tubing patch set at 4093' on tubing stub.

Chacra Perforations:
4202' – 4230'

DV Tool @ 4398'
Cmt with 1400 cf
TOC @ DV Tool (CBL)

RTTS Packer on 2-7/8" tubing stuck at 5246'
Mesaverde Perforations:
5341' – 5701' (1997)

CIBP set at 5767' (1997)

Dakota Perforations:
7512' – 7524'

4-1/2" 10.5#, K-55 Casing set @ 7804'
Cmt with 1300 cf

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.