

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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.*

|   |                     |
|---|---------------------|
| 5. Lease Serial No.                         | SF 078048           |
| 6. If Indian, Allottee or Tribe Name        |                     |
| 7. If Unit or CA/Agreement, Name and/or No. | 23642               |
| 8. Well Name and No.                        | PORKCHOP FED 27 #1E |
| 9. API Well No.                             | 30-039-25954        |
| 10. Field and Pool, or Exploratory Area     | basin dakota        |
| 11. County or Parish, State                 | RIO ARRIBA<br>TX    |

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

|  |  |
|--|--|
| 1. Type of Well<br><input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other |  |
| 2. Name of Operator<br>CONOCO, INC.  |  |
| 3a. Address<br>P.O. BOX 2197 HOUSTON, TX 77252   | 3b. Phone No. (include area code)<br>(281)293-1005 |
| 4. Location of Well (Footage, Sec. T., R., M., or Survey Description)<br>1815' FNL & 1160' FWL<br>E, SEC. 27, T26N, R7W          |  |

**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 checked="" type="checkbox"/> Change Plans | <input 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 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 MAKE THE FOLLOWING CHANGES TO THE CASING AND CEMENTING FROM THE ORIGINAL APD AS PER THE ATTACHED.



00 APR 11 AM 8:54  
RECEIVED  
BLM  
ALBUQUERQUE, N.M.

|   |                             |
|---|-----------------------------|
| 14. I hereby certify that the foregoing is true and correct<br>Name (Printed Typed)<br>DEBORAH MARBERRY | Title<br>REGULATORY ANALYST |
| Signature<br><i>Deborah Marberry</i>  | Date<br>04/10/2000          |

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

|   |  |           |
|---|--|-----------|
| Approved by<br><i>Charlie Beecham</i>   | Title<br>Team Lead, Petroleum Management | Date<br>3 |
| 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. |  |           |

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.

# Schlumberger

CONOCO, INC.  
RICKY JOYCE  
HOUSTON, TEXAS  
APRIL 4, 2000

## PORK CHOP FED 27 #1E

### SURFACE CASING

OBJECTIVE: BRING CEMENT TO SURFACE.

SPACER: 20 BBLS FRESH WATER

### SLURRY DESIGN

200 SKS CLASS B + 2% S1 + 0.25 PPS D29

MIX WT.: 15.6 PPG  
YIELD: 1.19 CU.FT./SK.  
H2O: 5.19 GAL./SK.  
T.T.: 2:30 HOURS:MINUTES  
C/S: 1000 PSI IN 12 HRS.

### PRODUCTION CASING

OBJECTIVE: BRING TAIL CEMENT TO 150 FEET **ABOVE THE CLIFFHOUSE** AND LEAD CEMENT TO SURFACE IN THREE STAGES.

SPACER: 40 BBLS CW-100

### CEMENT DESIGN

#### STAGES 1 (TAIL)

878 SKS 50:50 (POZ:B) + 2.75% D20 + 0.2% D167 + **0.2% 46** + 0.25 PPS D29

MIX WT.: 12.4 PPG  
YIELD: 1.60 CU.FT./SK.  
H2O: 8.28 GAL./SK.  
F/L: 372 CC/30 MINS  
T.T.: 4:30 HOURS:MINUTES  
C/S: 1200 PSI IN 48 HOURS

#### STAGE 2 (LEAD)

518 SKS CLASS B + 3% D79 + 0.2% D46 + 1% S1 + **0.25 PPS D29**

MIX WT.: 11.4 PPG  
YIELD: 2.9 CU.FT./SK.  
H2O: 17.78 GAL./SK.  
F/L: NO CONTROL  
T.T.: 5:00 HOURS:MINUTES  
C/S: 300 PSI IN 48 HRS.

At Conoco our work is never so urgent or important that we cannot take time to do it safely.

SAN JUAN DRILLING PROGRAM

|                  |                                   |  |                     |  |  |  |                          |  |
|------------------|-----------------------------------|--|---------------------|--|--|--|--------------------------|--|
| WELL INFO        | Well: PORK CHOP FED 27 NO. 1E     |  | Area: Largo Canyon  |  | AFE # 2669   |  | AFE \$: \$377,759        |  |
|                  | County: Rio Arriba                |  | State: NM           |  | Rig: Key 49  |  | RKB-GL: 13'              |  |
|                  | API # 30-039-25954                |  | Permit # SF-078048  |  | Fresh Wtr Prot: Circulate cement on surface casing |  |                          |  |
|                  | MD: 7049'                         |  | TVD: 7049'          |  | KOP: 200' N/A                                      |  | G.L. Elev: 6219'         |  |
|                  | Co-ordinates: WELL                |  | Latitude: 36°27'36" |  | Longitude: 107°34'05"                              |  | ERA Latitude: Longitude: |  |
|                  | Location: 1815' FNL AND 1160' FWL |  | Section: 27         |  | Township: 26N                                      |  | Range: 7W                |  |
| Directional: N/A |                                   |  |                     |  |  |  |                          |  |

|  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|
| DISCUSSION   | THIS WELL IS TO BE DRILLED WITH SAFETY AND PROTECTION OF THE ENVIRONMENT AS THE PRIMARY OBJECTIVES! Use of the STOP program, Job Safety Analysis and Pre-Job Safety Meetings are imperative.   |  |  |  |  |  |  |  |  |  |
|  | IT IS THE DRILLING REPRESENTATIVES RESPONSIBILITY TO READ AND FOLLOW ALL STIPULATIONS FOR EACH PERMIT AND ENSURE COMPLIANCE  |  |  |  |  |  |  |  |  |  |
|  | REGULATORY NOTIFICATIONS   |  |  |  |  |  |  |  |  |  |
|  | Notify the U.S. Bureau of Land Management:   |  |  |  |  |  |  |  |  |  |
|  | 1. Anytime a major deviation from the well plan (plug back, sidetrack, etc...) is going to occur. Leave a message with the intended plan if no one answers. If in doubt notify! Better to notify unnecessarily than not to and get a fine.                                   |  |  |  |  |  |  |  |  |  |
|  | 2. Immediately upon spudding   |  |  |  |  |  |  |  |  |  |
|  | 3. Complete the Notice of Spud Sundry and FAX to Trigon Engineering Inc. at (970) 385-9107, attention Debra Sittner. Call her at (970) 385-9100, ext. 25 or Verla Johnson @ ext. 20 to confirm that the fax was received. This is in addition to the phone calls to the BLM. |  |  |  |  |  |  |  |  |  |
|  | 4. 24 hours prior to any BOP or casing pressure test.  |  |  |  |  |  |  |  |  |  |
|  | 5. 24 hours prior to any cementing operation   |  |  |  |  |  |  |  |  |  |
|  | PHONE NUMBERS  |  |  |  |  |  |  |  |  |  |
| BLM – Farmington: (505) 599-8907   |  |  |  |  |  |  |  |  |  |  |
| BLM – Albuquerque: (505) 761-8700  |  |  |  |  |  |  |  |  |  |  |
| New Mexico Oil Conservation Department: (505) 334-6178   |  |  |  |  |  |  |  |  |  |  |
| NOTE – Permits come from either the Farmington OR Albuquerque depending upon the area. Refer to the permit for the correct number to call.   |  |  |  |  |  |  |  |  |  |  |
| Review Emergency Response Plan before rigging up and be prepared to execute the plan if needed!  |  |  |  |  |  |  |  |  |  |  |
| The objective of this well is to develop the Dakota and Mesa Verde formations.   |  |  |  |  |  |  |  |  |  |  |
| Good oilfield practices are to be used throughout the drilling of this well. This includes measuring and recording the OD, ID and length of everything that goes through the rotary table, using hole covers, etc. |  |  |  |  |  |  |  |  |  |  |

|      |                      |          |             |          |    |     |              |          |
|------|----------------------|----------|-------------|----------|----|-----|--------------|----------|
| TIME | Days From Spud to... |          |             |          |    |     |              |          |
|      | Surf Csg Pt          | Drig Out | Int. Csg Pt | Drig Out | TD | Log | Prod Csg Set | Rig Rel. |
|      | Days                 | 5        | 1.5         |          | 14 | 15  | 15.5         | 16       |

| FORMATIONS | Zone           | Depth (TVD) | MW      | Zone EMW | Hole Size      | Csg Size   | FIT / LOT | Remarks   |
|------------|----------------|-------------|---------|----------|----------------|--|-----------|---|
|            | Surface Casing | +350        | 8.4-9.0 |          | 12 ¼"          | 9 5/8"   |           | Severe lost circulation is possible. Formation Press – 432 psi 9 5/8" – 36#, J-55, STC (0' to +350'). Cement to surface.  |
|            | OJAM           | 1481        | 8.4-9.0 |          | 8 ¾" or 7 7/8" |  |           | Possible water flows.   |
|            | KRLD           | 1679        |         |          |                |  |           | Possible gas. Formation Press – 932 psi   |
|            | FRLD           | 1787        | 4.2     |          |                |  |           | Possible lost circulation & differential sticking   |
|            | PCCF           | 2238        | 2.9     |          |                |  |           |   |
|            | LEWS           | 2420        |         |          |                |  |           | Formation Press – 983 psi. Possible DV tool 200-400' above Cliff House contingent on Lost Circulation. Cement to Surface. |
|            | CHRA           | 3090        |         |          |                |  |           | Possible gas. Formation Press – 1314 psi. Frac Gradient 0.5 psi/ft  |
|            | CLFH           | 3839        | 2.3     |          |                |  |           | Possible gas  |
|            | MENF           | 3869        | 2.2     |          |                |  |           | Possible gas  |
|            | PTLK           | 4507        |         |          |                |  |           |   |
|            | MNCS           | 4810        |         |          |                |  |           |   |
|            | U GLLP         | 5616        |         |          |                |  |           |   |
|            | M GLLP         | 5870        |         |          |                |  |           |   |
|            | SNST           | 6158        |         |          |                |  |           |   |
|            | GRNH           | 6489        |         |          |                |  |           |   |
|            | GRRS           | 6546        |         |          |                |  |           | Formation Press – 2631 psi. Frac Grad 0.5 psi/ft  |
|            | TWLS           | 6601        |         |          |                |  |           | Gas, Possible waterflows, Highly Fractured  |
|            | PAGU           | 6682        | 2.1     |          |                |  |           | Gas, Highly Fractured   |
|            | L DKOT         | 6792        |         |          |                |  |           | Gas, Possible waterflows, Highly Fractured  |
| MRSN       | 6899           |             |         |          |                |  |           |   |
| TD         | 7049           | 8.4-9.0     |         | 4 ½"     |                | 4 ½" – 10.5#, J-55, STC (0' to TD) BHT 175°F. Cement to Surface, or DV tool if run. Permit to 7349'. |           |   |

|      |                         |  |
|------|-------------------------|--|
| LOGS | Intermediate Logs:      | None   |
|      | TD Logs:                | Log openhole GR-SP-CAL-NEUT/DEN-ML (COMBO - ONE RUN IN HOLE)   |
|      | Additional Information: | Logging company to provide a sketch with all lengths, OD's & ID's of all tools prior to running in the hole. |