Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

MAY 2001
RECEIVED
OIL CON. DIV.
DIST. 3

5. Lease Serial No.
SF 079290

5. If Indian, Allottee or Tribe Name

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

1. Type of Well ☐ Oil Well ☒ Gas Well Other

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

2. Name of Operator
CONOCO INC.

9. API Well No.
3003907326

3a. Address
P.O. BOX 2197 DU 3066
HOUSTON, TX 77252

3b. Phone No. *(include area code)*
281.293.1005

10. Field and Pool, or Exploratory Area
71629 72439

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
990FEL 1455FNL H-26-28-7

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			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 files 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 change our fracing procedure and frac the PC & FC simultaneously with the attached procedure.

Electronic Submission #4014 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 05/09/2001

Name *(Printed/Typed)* **DEBORAH MARBERRY** Title **SUBMITTING CONTACT**

Signature Date **05/04/2001**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By **/s/ Jim Lovato** 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. NMOCD Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United

San Juan 28-7 Unit, Well #28
Recomplete to Fruitland Coal-Pictured Cliffs,
Plug Back from Mesa Verde,
February 14, 2001

Printed: April 10, 2001

API# 300390732600, Location: NMPM-28N-7W-26-H.

Objective

PEER REVIEWED BY CEM 2/15/01
Again, reviewed 2/27/01, by CEM

Plug back from Mesaverde production, recomplete to Fruitland Coal and Pictured Cliffs formations. Due to spacing problems the Mesaverde will be plugged back in this well, current production is approximately 30 Mcfgd. Perforate and fracture-stimulate Pictured Cliffs and Fruitland Coal in the SJ 28-7 No. 28. Expected uplift from the PC is 300 Mcfgd and from the FC 100 Mcfgd.

The recommended perforation intervals are:

Pictured Cliffs: 3344' – 3355', 3358' – 3369', 3373' – 3382', 3384' – 3393', 3403' – 3409', 3436' – 3450', (60' Net).

Fruitland Coal: 3205' – 3213', 3230' – 3257', 3315' – 3333', (53' Net).

WELL DATA

PBTD @ 5686' Spud Date –8/14/1955

Surface Casing: 9.63", 29.3#, set @ 175', cement circulated to surface.

Production Casing: 7", 20# 7 20#, J-55, Internal Yield 3740 psi, set @ 4935', TOC @ 3110' by TS.

Open Hole Mesaverde Completion: 4935'– 5688'

Tubing: 2.375", 4.7#, J-55, landed @ 5300' with mule shoe and SN on bottom.

NOTE: Additional completion details contained in Well View files and schematics.

PROCEDURE

1) Move in workover rig, hold safety meeting, note prevailing wind direction at location, designate muster point, review procedure, identify potential hazards, isolate lines and facilities, blow down lines, lock out tag out, spot equipment, rig up, WORK SAFELY!

2) Kill tubing with 1% inhibited KCl water and POOH standing back.

3) Pick up CIBP on tbg and RIH, set CIBP @ 4900' in 7", 20#, casing,

4) Release plug and circulate hole full of 1% inhibited KCL water, and test casing to 500 psi. . Spot 100' of cement on top of plug, pull up and circulate pipe clean with water, POOH standing back.

5) RU wireline and run CBL to find TOC, (3110' by TS). **PRESSURE UP TO 500 PSI if necessary. IF TOC above PC, contact ENGR (depending on condition of casing; etc, may elect to nix FC stim if necessary). IF SQUEEZE TO BE DONE, MAY WAIT UNTIL AFTER PC STIM DONE. (WILL NEED TO NOTIFY DEB MOORE TO APPLY FOR SUNDRY: CONTACT BLM JUST PRIOR TO JOB).**
6) IF SQUEEZE NEEDED, RIH with perf gun and tag cement, note depth, shoot squeeze holes 10' above TOC, POOH, RD wireline .
7) TIH with work string and cement retainer, set retainer 10' above squeeze holes and establish circulation with fresh water , pump dyed water ahead of cement.
8) Rig up cementers and squeeze cement to surface, as per service co recommendation,;unsting out of cement retainer and circulate clean, POOH, SD WOC.
9) RIH with bit and collars on tubing, clean out / drill out to 3475' minimum. **(DO NOT DRILL ON CEMENT ABOVE PLUG AT 4900'')**, POOH.
10) Test Casing to 2500 psi or expected frac pressure, in increments of 500 psi. IF ANY LEAKAGE DETECTED, stop test, and proceed to order out 3 ½" frac string to use for stimulation..
11) Rig up wireline, perforate PC interval as per Lucas Bazan's procedure. Pay intervals: 3344' – 3355', 3358' – 3369', 3373' – 3382', 3384' – 3393', 3403' – 3409', 3436' – 3450', (60' Net), **NOTE: PERFERRED METHOD IS TO PERFORATE BOTH PC AND FC, and STIMULATE AT SAME TIME. CONTINGENT ON BLM/OCD APPROVAL. CONTACT ENGR TO SEE IF APPROVAL OBTAINED . IF APPROVAL OBTAINED, WILL REQUIRE FRAC TO BE TAGGED; SPINNER AND AFTER FRAC GR RUN; REFER TO LUCAS BAZAN PROCEDURE.**
12) Rig up stim company, bull head/break down with 15% HCl as per frac procedure.
13) Proceed with foam frac as per Lucas Bazan frac procedure.
14) Rig Up wireline and RIH 7" CI-BP and set above top PC perf (3344'), POOH. Pressure test to 500 psi.
15) RIH and perforate FC as per Lucas Bazan procedure. Net pay intervals: 3205' – 3213', 3230' – 3257', 3315' – 3333', (53' Net),
16) Rig up stim company, bull head / break down perfs with 15% HCl, as per attached perforating and stimulation procedure.
17) Proceed with foam frac as per Lucas Bazan procedure.
18) Flowback energized fluids until well dies or settles down, strip in hole 2-3/8" tubing string, clean out to top of bridge plug above PC, unload and obain four hour stable rate test.
19) RIH with bit on 6 drill collars and 2-3/8" work string, drill out EZ-BP above PC @ 2855', clean out to 3500' (**DO NOT DRILL OUT CEMENT**), and POOH lay down collars, and stand back tubing
20) RIH 2.375" production tubing with mule shoe and SN on bottom, land tubing @ 3436', drop rabbit through tubing to check for tight spots, be careful not to over torque, Make drift run to SN with sand line before rigging down. RDMO, notify operator to put on production.

San Juan East Team **PEER REVIEWED BY CEM 2/15/01**
Prepared by Dennis Wilson

Cc: Well File, 3 Copies to Farmington Project Leads