Form 3160-5
(June 1990)

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 deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT - " for such proposals

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.
SF-079289
~~SF-078051~~

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

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

8. Well Name and No.
San Juan 28-7 Unit #24

2. Name of Operator
Amoco Production Company

Attention:
Wayne Branam

9. API Well No.
3003907425

3. Address and Telephone No.
P.O. Box 800, Denver, Colorado 80201

(303) 830-4912

10. Field and Pool, or Exploratory Area
Blanco Mesaverde

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1500 FNL 990FEL Sec. 14 T 28N R 07W

11. County or Parish, State
Rio Arriba New Mexico

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☒ Notice of Intent	☐ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☒ Other Liner/Sidetrack	☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Amoco Production Co. requests approval to perform attached procedure for subject location.

RECEIVED
APR 0 1 1994
OIL CON. DIV.
DIST. 3

RECEIVED
BLM
94 MAR 23 PM 12:56
070 FARMINGTON, NM

14. I hereby certify that the foregoing is true and correct

Signed Wayne Branam Title Business Analyst Date 03-23-1994

(This space for Federal or State office use)

Approved by Title Date
Conditions of approval, if any:

NMOCD

APPROVED
MAR 30 1994
DISTRICT MANAGER

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.

* See Instructions on Reverse Side

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

SPECIFIC INSTRUCTIONS

Item 4 - If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 13 - Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et. seq., 351 et. seq.,25 U.S.C. et. seq.; 43 CFR 3160.

PRINCIPAL PURPOSE - The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES:

(1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations.

(2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2)

(3) Analyze future applications to drill or modify operations in light of data obtained and methods used.

(4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal, or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION - Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 25 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management, (Alternate) Bureau Clearance Officer, (WO-771), 18 and C Streets, N.W., Wasington, D.C. 20240, and the Office of Management and Budget, Paperwork Reduction Project (1004-0135), Washington, D.C. 20503.

*U.S. GPO. 1990-773-016/26019

CLEAN OUT AND RUN LINER PROCEDURE

San Juan 28-7 Unit #24 MV
14H-28N-7W
Orig. Comp. 6/55
TD= 5675'

This MV well was drilled to 4955' and 7" casing was set. The well was then drilled to 5675' (with 6 3/4" hole) and sand/oil frac'd. Therefore, size of hole below 4955' is questionable. Have extra cement on location for cementing 4 1/2" liner.

The well will be deepened by 312', a 4 1/2" liner will be set, MV will be frac'd in two stages and then remedial cementing will be done to ensure zonal isolation. If unable to remove tubing, a sidetrack will be performed immediately below the 7" casing.

1. Check location for anchors. Install if necessary. Test anchors. Record TP, SICP and SIBHP.

2. MIRUSU. Blow well down. NDWH. NUBOP/Test BOP.

3. TOH with tubing and inspect. Replace any bad joints.

4. Pick up casing scraper, drill collars and drill pipe. Run scraper to PBTD. Clean out well and deepen as necessary to run 4 1/2" liner to 5987'.

5. Run FAC, SDL/DSEN and GR/HRI logs. Fax results to Lara Kwartin in Denver so she can verify perfs for step 11.

6. Run 4 1/2" liner from 4800' to 5987' and cement with 327 cubic feet of Class B, 50/50 POZ, 2.% gel, .4% Halad 413 with 5#/sx Gilsonite, 5% Microbond HT, .4% VersaSet and .25% #/sx Flocele. (This is 2 times the casing/hole volume as hole is ASSUMED to be 6 3/4". May need more--have extra cement on location).

7. WOC. Drill out cement to PBTD (5977').

8. Run a GR/CCL/CBL from PBTD to 3000' to determine if squeeze work will be necessary prior to fracture stimulation. Fax results to Denver for verification of perf holes in step 20.

9. Pressure test casing to 80% of burst rating for 7" casing.

10. Correlate CBL to Schlumberger's Electric, Gamma Ray, Induction log dated 5/27/55.

11. Swab fluid level down to 5400' .

12. RU lubricator and perforate the Point Lookout, under balnced with a 3 1/8" casing gun, 4 JSPF, 90 degree phasing 12 1/2 g charges.

13. Fracture stimulate according to the attached Point Lookout frac schedule.

14. TIH with a RBP and set at 5000'. Cap with sand.

15. Swab fluid level down to 4900'.

16. RU lubricator and perforate the Cliff House, under balnced with a 3 1/8" casing gun, 4 JSPF, 90 degree phasing 12 1/2 g charges.

17. Fracture stimulate according to the attached Cliffhouse frac schedule.

18. Flow back well until it dies.

19. TIH with RBP and set at 3150'. Top with sand.

20. RU lubricator and perforate at 3000' with 5" casing gun, 2 JSPF, 12 1/2 g charges. Attempt to establish circulation and determine cement volumes. Circulate cement to surface with approximately 676 cubic feet of cement.

21. WOC.

22. TIH with bit and drill out cement to RBP at 3150'.

23. Pressure test squeeze holes to 500 psi.

24. TOH with RBP at 3150'. TOH with RBP set at 5000'.

25. Clean out to PBTD with Nitrogen.

26. Once sand entry has ceased, land tubing at 5600' with a mule shoe on bottom and a seating nipple one joint off of bottom.

27. Tie well back into surface equipment and return to production.

Please report any problems to Lara Kwartin:

(W) (303) 830-5708
(H) (303) 343-3973

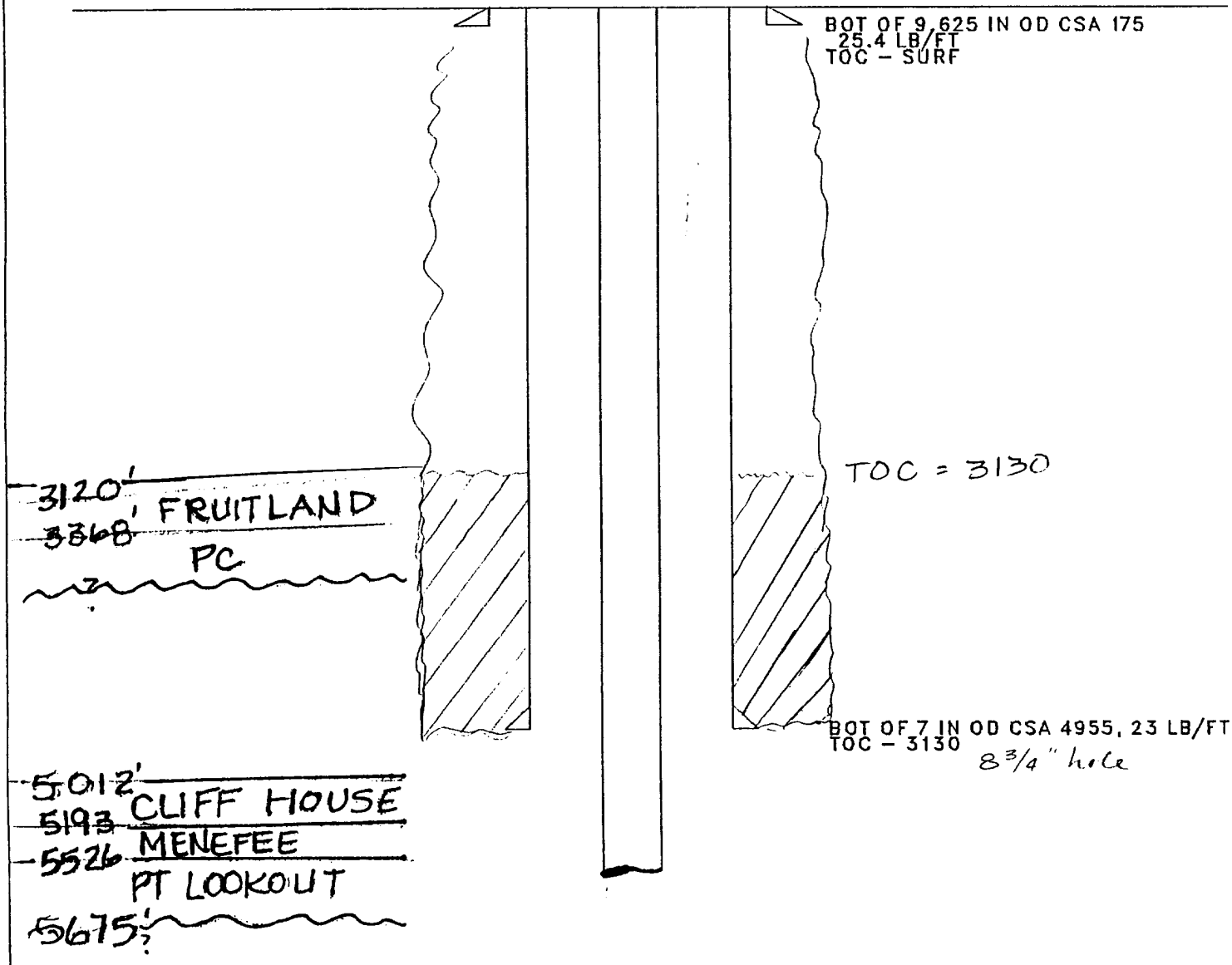
SIDETRACK PROCEDURE

San Juan 28-7 Unit #24 MV
14H-28N-7W
Orig. Comp. 6/55
TD = 5675'

In the unlikely event that we are unable to pull tubing the following sidetrack procedure will be used in place of step 5.

5. a. Rig up air package and dry hole.
   b. Pick up tricone button bit (6 1/4") with a near bit stabilizer: attempt to increase deviation to approximately 10 degrees by forcing bit with the building assembly.
   c. Drill to a TVD of 5987'.
   d. Run 4 1/2" casing to TD. Cement in one stage (air drilled hole) with 327 cubic feet of Class B, 50/50 POZ, 2% gel, .4% Halad 413 with 5 #/sx Gilsonite, 5% Microbond HT, .4% VersaSet and .25 #/sx Flocele. Cement in two stages if mud drilled.

SJ 28-7 UNIT 024 1947
Location - 14H- 28N- 7W
SINGLE MV
Orig.Completion - 6/55
Last File Update - 1/89 by DDM



TOTAL DEPTH 5675 FT.
6 3/4" hole

pbtd unknown

CATHODIC PROTECTION - ?

WELL HISTORY

Well: San Juan 28-7 Unit #24

Completion Date: 6-3-55

First Delivery:

Elevation: 6611 GL

Location: 14H-T28N-R7W

Perforation Information:

Initial Potential: 3758 mvfd

Casing:

CAS. SZ	WEIGHT	DEPTH SET	HOLE SZ.	CEMENTING RECORD
9 5/8		162		125 sacks
7		4945		500 sacks
2		5653		-----

Status of Well: flowing

TD: 5675 PBTD:

Logs Available: Res.

Frac Information: Frac. Point Lookout from 5350-5675 w/11,400 gals oil & 10,100# sand. Flush none. Left 1,300 gals oil & 1,300# sand in drill pipe. Natural gage 50 mcfd. Frac. Cliff House from 4956-5205 w/ 11,700 gals oil & 10,200# sand. Flush 2100 gals.

WORKOVERS:Nothing in well file. No DRODB reports on line or in file.

Updated:10-10-93
File Name:sj28724.doc
Api #:3003907425