

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

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

2. Name of Operator
Amoco Production Company

Attention:
WAYNE BRANAM, RM 1220

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1500 FNL 990FEL Sec. 14 T 28N R 7W

5. Lease Designation and Serial No.

SF-079289

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

San Juan 28-7 Unit #24

9. API Well No.

BALNCO MESAVERDE

10. Field and Pool, or Exploratory Area

3003907425

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
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other LINER/SIDETRACK
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> 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.)*

ATTACHED IS A COPY OF THE PROCEDURE THAT WAYNE TOWNSEND GAVE VERBAL APPROVAL FOR ON 061094.

RECEIVED
JUL 25 1994
OIL CON. DIV.
DIST. 3

RECEIVED
BLM
94 JUL 19 AM 9:39
070 FARMINGTON, NM

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

Signed

A. Wayne Branam

Title

BUSINESS ANALYST

Date

07/15/94

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

APPROVED

Date

JUL 26 1994

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 representations as to any matter within its jurisdiction.

* See Instructions on Reverse Side

NMOCD

SECRET

UNCLASSIFIED

NOFORN

DECLASSIFIED

CLEAN OUT AND RUN 4.5" CSG 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" casing.

The well will be deepened by 312' and 4 1/2" production casing will be set, MV will be frac'd in two stages. If unable to remove tubing or if the caliper is unable to gauge, 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 and work string. Run scraper to PBTD. Set BP at 4850' and pressure test BOPs and 7" casing to 80% of burst rating.
5. Perforate 2 jsfp at 3120'. Set pkr at 2900' and circ water and cement to surface. Contact Lara Kwartin prior to re-perforating.
6. WOC.
7. TOH with pkr set at 2900'. Pick up drill collars, drill pipe and 6 1/4" bit and drill out BP at 4850'. DO NOT pressure test squeeze holes as 4 1/2" will be set across holes.
8. Clean out well and deepen as necessary to run 4 1/2" casing from surface to 5987' or where ever bit dies.
9. Condition hole and TOH with DP and DC. Run caliper log to calculate cement volumes. If caliper log is unable to gauge hole prepare to sidetrack per attached procedures. Change rams and run 4 1/2" csg to 5987'. Cement to 7" casing with Class B, 50/50 POZ, 2% gel, .86% Halad-344 with 5#/sx Gilsonite, and 1/4 #/sx flocele. (Casing/hole volume is questionable as hole is ASSUMED to be 6 3/4". May need more cement--have extra cement on location).
10. WOC. Drill out cement to PBTD (5977').
11. Run a GR/CCL/CBL from PBTD to 3000' to determine if squeeze work will be necessary prior to fracture stimulation. Fax results to Lara Kwartin in Denver

so she can verify/add perms for perforating.

12. Correlate GR/CCL/CBL to Schlumberger's Electric, Gamma Ray, Induction log dated 5/27/55 and SJ 28-7 #233E log run by Gearhart on 6-12-81.
13. Blow well dry with air to 5400' .
14. RU lubricator and perforate the Point Lookout, under balanced with a 3 1/8" casing gun, 2 JSPF, 90 degree phasing 12 1/2 g charges. Depths are based on Schlumberger's Electric log, so be sure to adjust these depths according to the correlation log prior to perforating.

PERFORATE POINT LOOKOUT

5550'-72' 5588-92' 5596-5608' 5614-20' 5632-36'

15. Fracture stimulate according to the attached Point Lookout frac schedule. **DO NOT FLOW BACK AT THIS TIME.**
16. TIH with a RBP and set at 5000'. Cap with sand.
17. Blow dry with air to 4900'.
18. RU lubricator and perforate the Cliff House, under balanced with a 3 1/8" casing gun, 2 JSPF, 90 degree phasing 12 1/2 g charges.

PERFORATE CLIFF HOUSE

5014-30' 5042-48' 5052-64' 5080-86' 5110-42' 5146-68' 5178-92'

19. Fracture stimulate according to the attached Cliff house frac schedule.
20. Flow back well until it dies.
21. TOH with RBP set at 5000'.
22. Clean out to PBTD with air. TOH with work string.
23. Once sand entry has ceased, land tubing at 5600' with a mule shoe on bottom and a seating nipple one joint off of bottom.
24. RDMOSU.
25. Tie well back into surface equipment and return to production. Report rates and pressures on WIMS for approx. 5 days during flow back.

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 event that we are unable to pull tubing or gauge the hole with the caliper log, the following sidetrack procedure will be used in place of step 8.

8. a. Free point tubing and back off below 7" casing shoe.
- b. TOH with cement retainer and set at 4920'. Squeeze open hole with a minimum of 164 cubic feet of Class B cement.
- c. WOC
- d. Pick up drill and drill out cement retainer and cement to directly below 7" casing shoe.
- e. Rig up air package and dry hole.
- f. 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.
- g. Drill to a TVD of 5987'.
- h. Run 4 1/2" casing from surface to TD. Cement in one stage (air drilled hole) with Class B, 50/50 POZ, 2% gel, .86% Halad-344 with 5#/sx Gilsonite, and 1/4 #/sx flocele. Cement in two stages if mud drilled.