

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

SUBMIT IN TRIPLICATE

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

2. Name of Operator
Amoco Production Company Attn: Ed Hadlock

3. Address and Telephone No. **P.O. Box 800 Denver, Colorado 80201 (303) 830-4982**

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

**1030' FSL, 805' FWL
Sec. 22, T31N, R 9W UNIT "M" SW/SW**

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

5. Lease Designation and Serial No.
NM-012647

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Riddle B #1

9. API Well No.
30-045-23980

10. Field and Pool, or Exploratory Area
Blanco Pictured Cliffs

11. County or Parish, State
San Juan N.M.

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

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☒ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other **Temporary Pit**
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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 Company intends to abandon the Gallup Formation in the subject well and recomplete (plug back) to the Pictured Cliff Formation per the attached procedures.

Amoco also requests approval to construct a temporary 15'x15'x5' (maximum size) blow pit for return fluids. This pit will be reclaimed upon completion of this operation.

If there are any questions, please contact Ed Hadlock @ (303) 830-4982

RECEIVED

DEC 1 5 1992

OIL CON. DIV.

DIST. 3

APPROVED

AS AMENDED

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

Signed Ed Hadlock

Title Admin Analyst

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

DEC 1 1 1992

AREA MANAGER

NMOCD

RIDDLE B #1
SEC 22M-31N-9W
RECOMPLETION PROCEDURES

OBJECTIVE: Plug x abandon the Gallup formation x
recomplete to the Pictured Cliff formation.

1. Locate anchors x test. Install, if necessary.
2. MI x RUSU. Note csg, tbg, int x bradenhead pressures. Blow down csg. Kill well.
3. NDWH. NUBOP.
4. POOH w/ 2-3/8" tbg. RIH w/tbg x cement retainer. Set retainer at 6700'. Establish injection rate x pressure into Gallup perforations at 6747-6910 with water. Squeeze Gallup perms with 108 sx Class B cmt. POOH x spot 25 sx Class B cmt on top of retainer. *Spot adequate cmt on top of retainer to bring cmt. back to 6394'*
5. Load hole w/9 ppg mud to 5330'.
6. Spot cmt plug to 4900' with 48 sx Class B cmt. *4900'*
7. RIH w/perforating gun. Shoot squeeze holes at *4900'*.
8. Establish rate and pressure into squeeze holes. Block squeeze with 16 sx Class B cmt and leave cmt plug inside csg to 3450' with 161 sx Class B cmt. WOC. Tag TOC. Circulate hole clean.
9. Load hole w/2% KCL water. Pressure test csg to 3000#.
10. RUWL x run CBL x cased hole CNL/GR/CCL from PBTd'-1500'. Fax copy to Sandi Braun at X4777.
11. Swab fluid level down to 200' over where perforating guns will be positioned.
12. TIH w/csg gun x perforate the following intervals with 90 degree phasing and maximum size charges possible:

INTERVAL	NO OF FEET	NO OF SHOTS
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To be determined from CNL

13. Fracture stimulate the PC down 7-1/2" csg per the attached design.
14. Shut well in for 4 hours.
15. Flow well back slowly to minimize sand production.
16. When well dies, tag PBTd and clean out fill, if necessary.
17. RIH w/1 jt. 2-3/8" tbg, SN x remaining 2-3/8" tbg. Land tbg at bottom perforation.
18. Swab well in if necessary.
19. RD X MOSU.
20. Report gas x water rates on wire for 2 weeks.
21. Take gas sample x send analysis to Sandi Braun.

GL 6260'

RIDDLE B 001 322
Location - 22M-31N-9W
SINGLE GP
Orig. Completion - 11/80
Last File Update - 1/89 by DDM

LIFT EQUIPMENT:
RODS & PUMP

BOT OF 9.625 IN OD CSA ~~298~~ 296'
36 LB/FT K55
TOC - SURF ~~295~~

CNACRA CSG PT

CH 4900'

MN 5100'

PL 5280'

DK 7460'

Pumped 275 SX 50/50
Poz x 67. GEL DOWN
7' x 4 1/2" ANNULUS
BLDENHEAD

TOP OF 4.5" LSA 3289'

BOT OF 7 IN OD CSA 3480, 23 LB/FT K55
CMT TO SURFACE ??
CALCD @ 3434'

BOWEN CSG PATCH SA 3476'

SQED CSGLQAL
@ 6670' w/ 50 SX
x 262 w/ 10 SX

GP--2SPF PERF 6747-6810
6840-6910

BOT OF 2.375 IN OD TBG AT 6660
SN ON BOTTOM

2
DK--SPF PERF 7470-7638
7470-78
7494-7500
7508-12
7544-52
7566-64

1/2 BBL CMT ON RET
CMT RET SA 7424'
SQED DK w/ 50 SX CLASS B CMT

7602-TO
7622-26
7630-38

CMT RET SA 7655'

SQED HOLES @ 7680'

TOTAL DEPTH 7708 FT.

PRTD ~ 7424'

BOT OF 4.5 IN OD CSA 7708
11.6 LB/FT x 10.5 #/FT
TOC - 5300
Cathodic Protection - ?
RECOMP GP 2/88

KICKED OFF @ 3580' w/ K&L WE IT