

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.

5. Lease Designation and Serial No.

NMSF - 078387A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

KERNAGHAN B

4

9. API Well No.

3004510338

10. Field and Pool, or Exploratory Area

BLANCO MESAVERDE

11. County or Parish, State

SAN JUAN

NEW MEXICO

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

2. Name of Operator

AMOCO PRODUCTION COMPANY

3. Address and Telephone No.

P.O. BOX 800 DENVER, COLORADO 80201

Gail M. Jefferson

303-830-6157

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

1650 FNL

790 FEL

Sec. 30 T 31N R 8W

UNIT H

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 Perf & Frac/Add Pay

- ☐ 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 has completed perfing and fracing the above referenced well per the following:

MIRUSU 6/22/98. NDWH, NUBOP, tag fill at 5283'. TOH with 2-7/8" tbg. TIH with RBP and set set at 5258'. Pull up 20' and set pkr. Pressure test to 500#, held okay. TOH with pkr.

Ran CBL from 3581' to 5253'. TOC at 3950'. Rig up and run free point, 100% free at 3600'. Pull up and back off casing at 3000'. Rig down wireline, TOH laying down 93 jts of 4-1/2" casing. RU and TIH with 93 jts of J-55 4-1/2" casing to 3000' screwing back into casing string. Set slips, NUWH, NUBOP' and tested. All held okay.

RU wireline and ran 4-1/2" fast drill bridge plug and set at 5600'. Run GR log.

Perforate at 5217', 5302', 5384', 5396', 5407', 5414', 5447', 5451', 5460', 5498', 5508', 5516', 5547', 5558', with 1jspf, .340 inch diameter, total 14 shots fired. Perforated from 5300'-5304' with 4 jspf, .340 inch diameter, total 16 shots fired. Perforated from 5316'-5324' with 2 jspf, .340 inch diameter, total 16 shots fired.

Set RTTS packer at 5350' and balled off with 750 gals. of 7-1/2 percent hydrochloric acid. Knocked off balls with packer. TOH with tbg and RTTS packer.

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

Signed

Gail M. Jefferson

Title

Sr. Admin. Staff Asst.

Date

09-21-1998

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

ACCEPTED FOR RECORD

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 the jurisdiction.

* See Instructions on Reverse Side

NMOC

FARMINGTON DISTRICT OFFICE
OCT 01 1998

Kernaghan B #4 - Subsequent cont'd
September 21, 1998

Frac'd down 4-1/2" casing at 30 bbls per min. Got 57,207# of 16/30 Arizona sand on formation before well screened out. SD and SI.

TIH and circ out frac. Lost circ at 5817'. RU N2 truck and clean out to 5600'. Total 420' of sand. Pull sting float and set tbg at 5350' to test. RU flow test on 1/2" choke upsizing to 3/4" choke. Swabbed well.

RU set fast drill BP at 3980'. Pressure test to 500#. Held okay. Shoot squeeze holes 3920'-3921' with 2 jspf, .340 inch diameter, total 2 shots fired. TIH with pkr and set at 3268' tested to 500#, held okay. Squeezed with 275 sacks of Class B cmt from 12' to 3920' cementing annulus of 4.5" long string and 7" intermediate. Circulating to surface.

SI for 18 hrs. SITP-0, Bradenhead 0. Release pkr and TOH. TIH with bit and tbg. Drill out cmt from 3583' to 3920'. Pressure test to 500# for 15 minutes, held okay. RU drill out BP's at 3980' and 5600'. Clean out to PBD. TOH with bit and TIH with tbg. Tagged 51' of fill. PU and flow well to clean out sand. Cleaned out sand with N2. Flow well overnight with choke. Cleanout sand after flow back. PU and land tbg at 5749'.

NDBOP, NUWH, RDMOSU 7/17/98.