

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.

SF-078387-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Kernaghan B

#2

9. API Well No.

3004510345

10. Field and Pool, or Exploratory Area

Blanco Mesaverde

11. County or Parish, State

SAN JUAN

NEW MEXICO

2. Name of Operator

AMOCO PRODUCTION COMPANY

Attention:

Gail M. Jefferson

3. Address and Telephone No.

P.O. BOX 800 DENVER, COLORADO 80201

(303) 830-6157

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

1510' ^N/₄ E

1190' ^E/₄ W

Sec. 28 T 31N R 8W

UNIT H

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

TYPE OF SUBMISSION

TYPE OF ACTION

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

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Pay Add/Perf & Frac

- ☐ 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 markers and zones pertinent to this work.)

subsurface locations and measured and true vertical depths for all

Amoco Production Company requests permission to perf and frac the Cliffhouse and Menefee and return this well to production per the attached procedures.

If you have any technical questions please contact Mark Yamasaki at (303) 830-5841 or Gail Jefferson for any administrative concerns.

RECEIVED
APR 17 1998
OIL CON. DIV.
DIST. 3

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

Signed

Gail M. Jefferson

Title

Sr. Admin. Staff Asst.

Date

04-08-1998

(This space for Federal or State office use)

/S/ Duane W. Spencer

Approved by

Title

Date

APR 15 1998

Conditions of approval, if any:

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

NMOCD

1. Check anchors. MIRUSU.
2. Check and record tubing, casing and bradenhead pressures.
3. Blow down wellhead, kill if necessary.
4. Nipple down wellhead, nipple up and pressure test BOP.
5. Tag and Tally OH with 2.375" tubing.
6. TIH with CIBP set @ 5280'.
7. Spot Cement Plug over existing Cliff House perforations (5104-5116, 5124-5136) and squeeze. Pressure test squeeze to 1000 psi
8. DO Cement to CIBP.
9. RU HES Wireline Unit and Packoff.
10. Log Mesa Verde interval with CBL/GR/CCL to insure zonal isolation across MV. Please fax logs to (303)830-5388.
11. Perforate the following interval select fire, 120 deg. phasing using 3 1/8" HSC ported guns (12.5 GM, .34" EHD. 13.13 TTP). Correlate with Schlumberger's GR log dated 1/16/63:
5024, 5028, 5100, 5104, 5108, 5115, 5125, 5136, 5167, 5180, 5192, 5240, 5245, 5248
12. Fracture Stimulate down tubing according to schedule 'A'.
13. Flow test well reporting Gas and Water to Denver
14. DO CIBP, CO to PBTD.
15. TIH with 2 3/8" land at 5300.
16. Put well on production and make money.

Amoco Production Company

ENGINEERING CHART

SUBJECT Kernaghan B2 (mv)
Sec. 28-31N-R8W

File _____

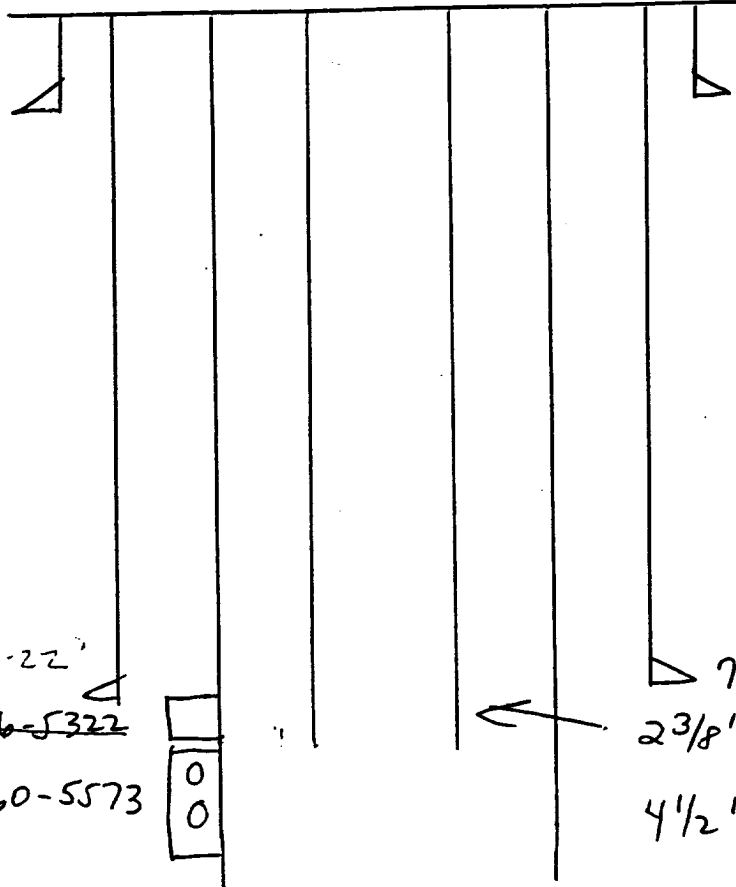
Appn _____

Date 1-22-98

By _____

240

, 390



9 5/8" CSA 172

perfs 5104-16 5310-22"
 5124-36

perfs @ 5446-5322

perfs @ 5460-5573

7" CSA 4973

2 3/8" TSA 5555

4 1/2" CSA 5603

TD = 5605

73TD = 5589

Comp. 8/61

FL 5380

SN 5506

Tag 5548

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RECEIVED
BLM

98 JUN 26 AM 11:03

RECEIVED
JUL 20 1998

070 FARMINGTON, NM

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

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

1510' FNL

1190' FEL

Sec. 28 T 31N R 8W

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MIRUSU 5/18/98 TOH with tbg. Unable to get gauge ring on wireline down. TIH with scraper. TOH. TIH with CIBP on tbg and set at 5280'. TOH with tbg. Pressure test plug for 10 minutes to 500#. Held. RU to cmt perfs.

Squeeze perfs from 5104'-5136' with 100 sxs Class B cmt. SIFN. TOH with tbg and pkr. Change out wellhead. Pressure test to 1200#, held okay. TIH with bit and scraper. Tag cmt at 4818' Drill out cmt to CIBP at 5280'. TOH with bit and scraper.

Run CBL from 3960' to 5100'. TOC in this interval was determined at 4000'. CBL primarily run to verify that we had good isolation for frac job.

Perforated from 5024' to 5248' with 1 jspf, .340 inch diameter, total 16 shots fired. TIH with pkr and break down and ball of with water. TOH with tbg and pkr. RU and frac with HES. Frac screened out with 4000# of sand on formation. RU to try to flow back well flowed 12 hrs. RD frac head and TIH cleanout frac sand to CIBP at 5280'. Circulated hole clean and TOH with tbg. TIH with pkr and ball off perfs with 10 bbls 7.5% acid. Estimated rate of 5 bpm at 1985#. TIH and knock balls off perfs. TOH with tbg and pkr. RU isolation tool to refrac.

Refrac job screened out and was unable to flush all due to pressure. SI pressure 2750#. SI well and rigged up to flow back on 1/2" choke. Well died after 2 hrs. TIH with tbg tagged at 3377'. Circulated with wtr to top of perfs and switched to N2 and was stuck for a short time. Tbg freed and circulated rest of fill with air to CIBP at 5280'.

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

Signed

Paul W. Jefferson

Title

Sr. Admin. Staff Asst.

Date

06-24-1998

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

ACCEPTED FOR RECORD
Date

JUL 16 1998

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.

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FARMINGTON DISTRICT OFFICE

NMOCD

Kernaghan B #2 - Pay Add/Perf & Frac Subsequent Cont'd
June 24, 1998

Flow test well for 48 hrs. Starting tbg pressure 60#, final tubing pressure 125#, starting casing pressure 320#, final casing pressure 428#, 591 mcf/d.

TOH with tbg, TIH with bit and tbg. Tag at 5258'. Drill up CIBP at 5280. TIH and cleanout to PBD. RU to flow overnight. Tagged no fill. TOH with bit and tbg. TIH rabbiting tbg and land at 5298'. NDBOP and NUWH.

RDMOSU 6/10/98.