

District I - (505) 393-6161
1625 N. French Dr
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Form C-139
Revised 06/99

SUBMIT ORIGINAL
PLUS 2 COPIES
TO APPROPRIATE
DISTRICT OFFICE

APPLICATION FOR
PRODUCTION RESTORATION PROJECT

I. Operator and Well:

Operator name & address AMOCO PRODUCTION COMPANY P.O. BOX 3092 HOUSTON, TX 77253						GRID Number 000778		
Contact Party MARY CORLEY ROOM 2.537						Phone 281-366-4491		
Property Name KERNAGHAN B						API Number 30-045-10338		
UL H	Section 30	Township 31N	Range 8W	Feet From The 1650'	North/South Line NORTH	Feet From The 790'	East/West Line EAST	County SAN JUAN

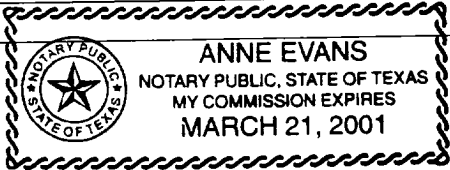
II. Pool and Production Restoration:

Previous Producing Pool(s) (If change in Pools): BLANCO MESAVERDE	
Date Production Restoration started: June 22 1998	Date Well Returned to Production: October 15 1998
Describe the process used to return the well to production (attach additional information if necessary): RE-PERF, ADD PAY AND FRAC	

III. Identify the period and Division records which show the Well had thirty (30) days or less production for the twenty-four consecutive months prior to restoring production:

Records Showing Well produced less than 30 days during 24 month period:		Month/Year (Beginning of 24 month period): 12/94
<input type="checkbox"/> Well file record showing that well was plugged	<input type="checkbox"/> ONGARD production data	
<input checked="" type="checkbox"/> OCD Form C-115 (Operator's Monthly Report)		Month/Year (End of 24 month period): 9/98

IV. Affidavit:

State of <u>TEXAS</u>)) ss. County of <u>HARRIS</u>)		
<u>MARY CORLEY</u> , being first duly sworn, upon oath states:		
1. I am the Operator, or authorized representative of the Operator, of the above-referenced Well.		
2. I have personal knowledge of the facts contained in this Application.		
3. To the best of my knowledge, this application is complete and correct.		
Signature <u>Mary Corley</u>	Title <u>SR. BUSINESS ANALYST</u>	Date <u>July 15 1999</u>
SUBSCRIBED AND SWORN TO before me this <u>15</u> day of <u>JULY</u> , <u>99</u> .		
Notary Public <u>Anne Evans</u>		
My Commission expires: <u>March 21 2001</u>		

FOR OIL CONSERVATION DIVISION USE ONLY:

V. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a Production Restoration Project. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that production was restored on: 10/15/98

Signature District Supervisor <u>35.3</u>	OCD District <u>3</u>	Date <u>8/4/99</u>
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VI. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: _____

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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)

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

TYPE OF ACTION

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

- ☐ 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

RECEIVED

OCT 06 1998

SRBU PERMITTING

(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 perfring 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 CEL 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.

RJ 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 jsfp, .340 inch diameter, total 16 shots fired. Perforated from 5316'-5324' with 2 jsfp, .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.

I hereby certify that the foregoing is true and correct

Signed

Gail M. Jefferson

Title

Sr. Admin. Staff Asst.

Date

09-21-1998

in force for Federal or State office use

Approved by

Title

Conditions of approval, if any:

ACCEPTED FOR RECORD

Date

OCT 01 1998

3 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

FARMINGTON DISTRICT OFFICE

OPERATOR

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.