

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

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company Attn: John Hampton

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 FSL, 1150' FEL Sec. 26, T32N-R11W : Unit "I"

5. Lease Designation and Serial No.
SF-078655

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Barnes LS #8A

9. API Well No.

30-045-22460

10. Field and Pool, or Exploratory Area

Blanco Mesaverde

11. County or Parish, State

San Juan, NM

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 Bradenhead Repair
☐ 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 intends to perform the attached workover procedure required to eliminate bradenhead pressure.

In addition, Amoco also requests approval to construct a temporary 15'X15'X 5' blow pit for return fluids. This pit will be reclaimed if utilized, upon completion of this operation.

RECEIVED
FEB 12 1992
OIL CON. DIV.
DIST. 3

RECEIVED
BLM

Please contact Cindy Burton (303) 830-5119 if you have any questions.

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

Signed

John Hampton

Title Sr. Staff Admin. Supv.

Date

APPROVED
1/27/92

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

NMOCD

Date

FEB 11 1992

AREA MANAGER

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special in-

structions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

SPECIFIC INSTRUCTIONS

Item 4—If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 13—Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive

zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

PRINCIPAL PURPOSE — The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES:

- (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations.
- (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2).
- (3) Analyze future applications to drill or modify operations in light of data obtained and methods used.
- (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION — Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that: This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 25 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management, (Alternate) Bureau Clearance Officer, (WO-771), 18 and C Streets, N.W., Washington, D.C. 20240, and the Office of Management and Budget, Paperwork Reduction Project (1004-0135), Washington, D.C. 20503.

PROCEDURE
Barnes LS 8A

All water used in this procedure which will be exposed to the Mesaverde should contain 3% KCl.

1. MIRUSU.
2. Install BOP.
3. Clean out to 5750' (PBTD).
4. TIH with RBP and set at 4500'.
5. Pressure test casing and liner top to 3000 psig. Locate leaks if necessary.
 - a) If leaks exist inside 4 1/2" liner, conduct cement squeeze(s) until hole(s) will test to 2000 psig.
 - b) If leaks exist inside 7" casing, TIH with 5 1/2" workstring and full ID packer. Set packer at 3330' and test to 3000 psig.
7. Reset RBP to 5070'.
8. Breakdown perfs from 4916' to 5008' with a pinpoint injection packer having a 3' spacing. Use 1800 gal of 3% KCl water as a breakdown fluid.
9. TIH with RBP and bull plugged pup joint of 2 3/8" tubing containing two 5000 psi pressure bombs. Set RBP at 5050' and open ports. Bombs should record 5 second pressure readings for the first 4 hours and 15 second readings thereafter.
10. Frac the well according to the attached schedule at 55 BPM. Tag with two isotopes, one for all fluid and the other for the sand. Because this is a crosslinked, borate gel frac, please follow all quality control guidelines set forth by Amoco.
11. Flow back load and pull pressure bombs.
12. Circulate hole clean with non contaminated water and run post frac GR.
13. Reset RBP to 4500' or above uppermost hole in 4 1/2" liner, whichever is shallower. Cap with sand.
14. TOH with 5 1/2" workstring and packer (if ran in step 6).
15. Run a GR/CBL from 4500' to surface and determine top of cement for 7" casing. Make additional passes at higher pressures if bonding is not clear.
16. Set a RBP 50' below TOC in 7" casing.
17. Perf two holes within 50' of the TOC.
18. Set a packer 50' above TOC in 7" casing. If leaks were found above this point, a different approach to the squeeze may be necessary.
19. Establish circulation to surface, calculate annular volume with a dye.
20. Pump a preflush for high fluid loss applications prior to the squeeze.
21. Pump 300% of annular volume of cement through squeeze perfs. Annular volume is estimated to be 65 bbl. (300% expected to be 1000 sacks). Stage last 5 bbl and note returns throughout job.
22. WOC at least 24 hours.
23. Drill out cement to uppermost RBP.
24. Pressure test squeeze perfs to 1000 psi; run CBL if pressure holds.
25. Resqueeze until pressure test holds, and cement is to surface.
26. Retrieve both RBPs.
27. If several holes were shot in the 7" casing, contact office for the possibility of running 4 1/2" or 5 1/2" casing to the liner top, or even backing off of the 4 1/2" liner hanger and then tying 4 1/2" casing back to the surface.
28. TIH with open ended 2 3/8" tubing with a seating nipple one joint off bottom. Land tubing at 5700' KB.
29. Return well to production.

Amoco Production Company

ENGINEERING CHART

Sheet No _____ Of _____

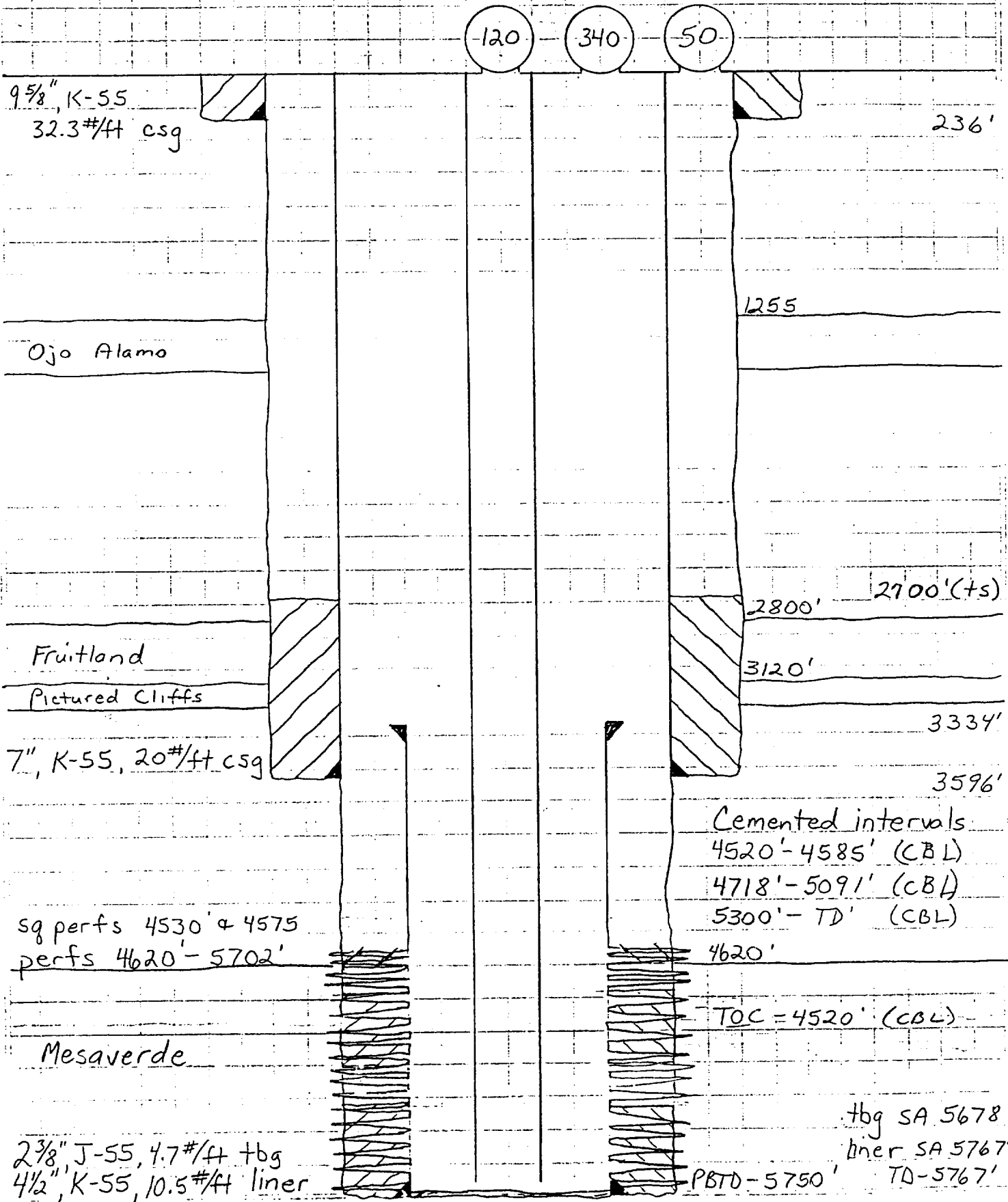
File _____

Appn _____

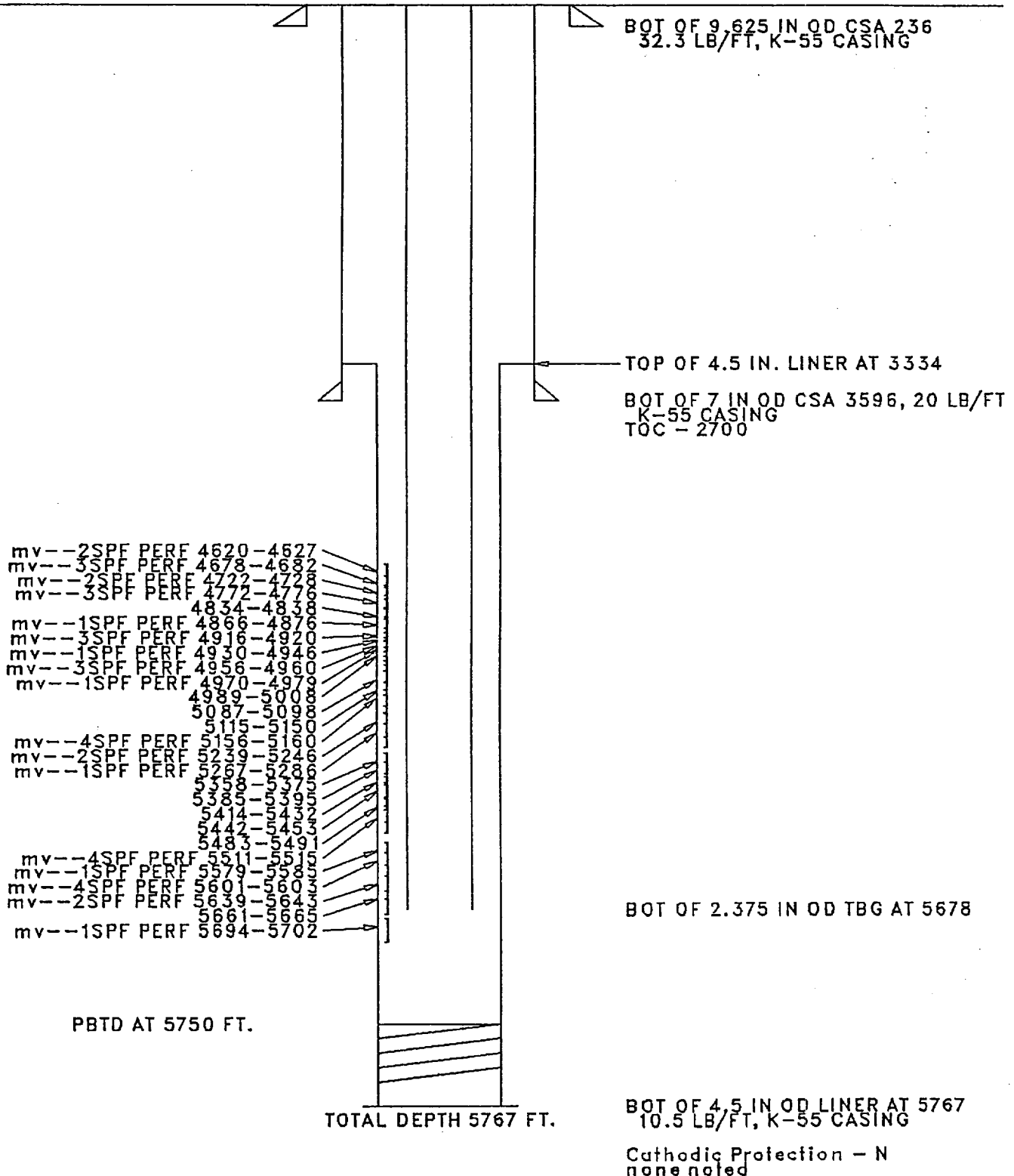
Date _____

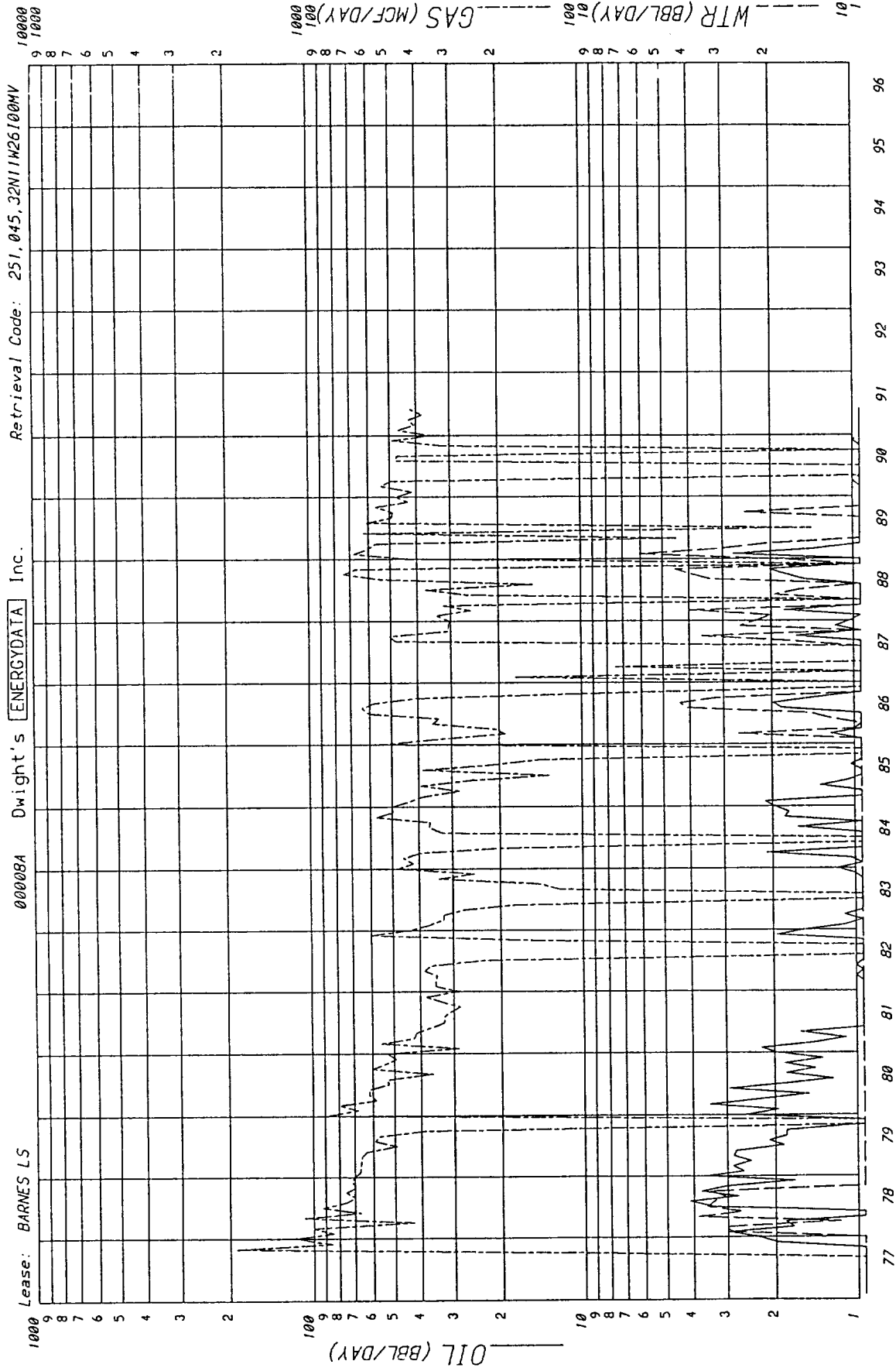
SUBJECT Barnes LS 8A

3, _____



BARNES LS 008A 1160
 Location - 261- 32N-11W
 SINGLE mv
 Orig.Completion - 9/77
 Last File Update - 1/39 by BCB





County: SAN JUAN State: NM
 Field: BLANCO (MESAVERDE) MV
 Reservoir: MESAVERDE
 Operator: AMOCO PRODUCTION CO
 Oil Cum: 4811 Gas Cum: 1982624
 Location: 261 32N 11W

Date: 01-03-92

F.P. Date 09-77



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS P.
AZTEC, NEW MEXICO
(505) 334-6178

BRADENHEAD TEST REPORT
(Submit 2 copies to above address)

Date of Test: 7-20-90 Operator: Amoco Production Company

Lease Name: BARNES LS Well No. 8A Location U I Sec 26 Twp 32N Range 11W

Pressure (Shut-in or Flowing) Dwt Tubing 117 Intermediate None Casing 341 Bradenhead 46

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH.

TIME:	PRESSURES:	
	INTERMEDIATE	CASING
5 Min.		<u>341</u>
10 Min.		<u>341</u>
15 Min.		<u>341</u>
20 Min.		<u>341</u>
25 Min.		<u>341</u>
30 Min.		<u>341</u>

BRADENHEAD FLOWED:	INTERMEDIATE FLOWED:
Steady Flow	
Surges	
Down to Nothing	
Nothing	
Gas <input checked="" type="checkbox"/>	
Gas & Water	
Water	

If Bradenhead flowed water check description below:

Clear _____
Fresh _____
Salty _____
Sulfur _____
Black _____

Remarks: _____

By Chuck Green
Pumper
(Position)

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☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company Attn: Julie Acevedo

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P.O. Box 800, Denver, Colorado 80201

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1500' FSL, 1150 FEL, Sec. 26, T32N-R11W

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SF-078655

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Barnes LS #8A

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30 045 22460

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11. County or Parish, State

San Juan, New Mexico

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☐ Altering Casing
☒ Other

- ☐ Change of Plane
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection

☐ Check potential gas flow
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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Amoco Production Company intends to run a series of logs, to determine if flow is occurring between the exposed formations by February 1993. After we have evaluated the subject well for potential flow problems or we find this situation does not exist. Amoco would like to meet with the BLM to discuss the results of our study and then determine if remedial work needs to be done.

If you have any questions please call Julie Acevedo at 303-830-6003.

THIS APPROVAL EXPIRES MAR 01 1993

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

Signed

Julie Acevedo

Title

Sr. Staff Assistant

Date

11-9-92

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Se

Title

APPROVED

NOV 13 1992

AREA MANAGER

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.

NMOCD

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Check potential gas flow

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