

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: J.L. Hampton

3. Address and Telephone No.

P.O. Box 800 Denver, Colorado, 80201 (303) 830-5025

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

1180' FNL, 1470' FEL Sec. 27, T32N-R12W Unit "B"

5. Lease Designation and Serial No.

SF-078147

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Moore D #9

9. API Well No.

30-045-28187

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal Gas

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 Fracture Stimulation

- ☐ 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 do a fracture stimulation according to the below procedure:

Procedure:

1. Record casing, tubing, and bradenhead pressures.
2. MIRUSU
3. Install BOP
4. Clean out to PBTD (2805'). TOH.
5. Frac well down casing at 55 BPM according to the attached schedule. Slowly flow back load 4 hours after frac.
6. Clean out periodically until sand entry is nil.
7. Land tubing at 2575' and return well to production.

APPROVED

MAR 02 1992

Please contact Ed Hadlock (303) 830_4982 if you have any questions.

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

Signed

Title

Date

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

GENERAL INSTRUCTIONS

Instructions 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.

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-

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 3—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.

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., 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) Evaluate 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.

Well Name : Moore /D/ 9
Formation : FRUITLAND COAL
Frac down : 5 1/2" casing/liner.
Frac with : 40/70 & 12/20 mesh. Use either Arizona or Brady.
Packer set at : - Brady is preferred.

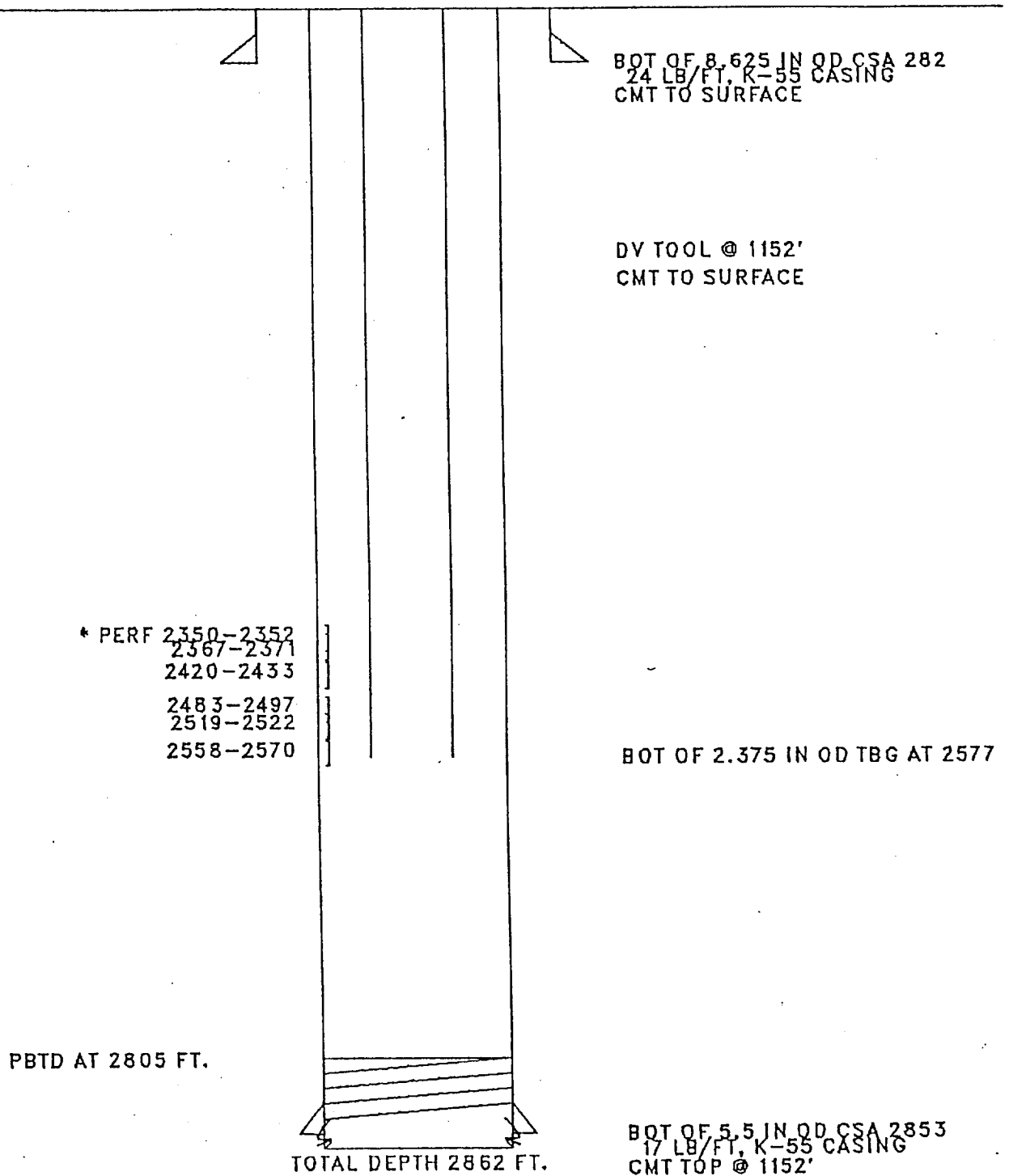
STAGE	FLUID TYPE	FLUID VOLUME (gal.)	PROPPANT TYPE (mesh)	PROPPANT CONC. (ppg)	PROPPANT VOLUME (lb)	CUM. PROPPANT (lb)	BOTTOM HOLE RATE (bpm)
(pad)	1 30# X-L	28,573	-	-	-	0	55
	2 BORATE	2,400	40/70	1	2,400	2,400	55
	3 GEL	4,541	40/70	2	9,082	11,482	55
	4	4,287	40/70	3	12,862	24,343	55
	5	3,955	12/20	4	15,818	40,162	55
	6	3,666	12/20	5	18,329	58,490	55
	7	3,425	12/20	6	20,551	79,042	55
	8	3,223	12/20	7	22,562	101,604	55
	9	3,051	12/20	8	24,410	126,014	55
	10	2,904	12/20	9	26,138	152,153	55
	11	2,777	12/20	10	27,770	179,923	55
	12	2,664	12/20	11	29,306	209,230	55
	13	2,564	12/20	12	30,770	240,000	55
Total		68,031	gallons		240,000	lbs	

```
Casing capacity =          0.0232 bbl/ft.
Liner capacity  =          bbl/ft.   If no liner exists, input 0.
Liner top       =          ft.       If no liner exists, leave blank.
Casing vol. to top perf =          54.5 bbl.
Flush w/        49.5 barrels of gel
```

Pertinent Data:

At 55 BPM, travel time from the wellhead to
the top perf is 0 min. and 59 sec.
Maximum treating pressure 4000 psi.
Gel 7 400 bbl tanks of 30# gel
Tanks should be clean prior to filling. Water should be clean and
filtered.
Gauge tanks before gelling and periodically throughout the treatment.
Record viscosity, pH, temperature, crosslinking capabilities (if
applicable) and physical appearance for each tank and give
this data to the Amoco representative prior to starting
the job.
Perform all quality control checks.
Minimum gel viscosity of 20 cp, at 60 deg. F x 170 sec
Sand sieve analysis: 12/20 mesh 40/70 mesh
less than 1% less than 30 mesh 100 mesh
less than 1% greater than 10 mesh 30 mesh
greater than 90% between 12/20 mesh 40/70 mesh
Add sufficient breaker to break gel within 4 hours at 100 degrees F.

MOORE /D/ #9
T32N R12W SEC 27 SENWNE
SAN JUAN COUNTY, NEW MEXICO
GLE 6187' KB 6199'
LAST FILE UPDATE 2/92 BY CSW



FILENAME:
3159

* PERFS 4JS PF 120 DEG. PHASING

ANALOG PRODUCTION (MOORE 0290) FRUITLAND COAL SLACK H₂O FRAC 10/21/90 27/32/12/5

