

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

6. LEASE DESIGNATION AND SERIAL NO.
SF-078040, ~~SF-079691~~
7. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Mudge Gas Com "A"
9. WELL NO.
#1
10. FIELD AND POOL, OR WILDCAT
Basin Fruitland Coal Gas
11. SEC. T., R., M., OR R.R.
AND SURVEY OR AREA
Sec. 11, T31N R11W
12. COUNTY OR PARISH
San Juan
13. STATE
NM

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐
b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER Coal Seam SINGLE ZONE ☒ MULTIPLE ZONE ☐
2. NAME OF OPERATOR

Amoco Production Company ATTN: J. L. Hampton

P. O. Box 800 Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1740' FSL, 890' FWL, NW/SW,
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
Same 8 miles - Aztec, NM

10. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 890'

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6102' GR

23. This action is subject to technical and procedural review pursuant to 43 CFR 3165.6 and appeal pursuant to 43 CFR 3165.4.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4"	8 5/8"	24#	250'
7 7/8"	5 1/2"	17#	2995' (TD)

17. NO. OF ACRES ASSIGNED TO THIS WELL
320 acres W/2
20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START

As soon as permitted

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

250 cf (cement to surface)
749 cf (cement to surface)

Notice of Staking was submitted: 6/1/90

Lease Description:

T31N-R11W:

- Sec. 1: Lots 1-4, S/2 N/2
- Sec. 2: SW/4 SW/4
- Sec. 3: Lots 2-4, SW/4 NE/4, S/2 NW/4, S/2
- Sec. 10: All
- Sec. 11: NE/4 NE/4, W/2 E/2, SW/4, SE/4 SE/4
- Sec. 12: NW/4, NW/4 SE/4
- Sec. 14: NE/4 NE/4

RECEIVED
AUG 08 1990
OIL CON. DIV./
DIST. 3

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. J. L. Hampton
SIGNED J. L. Hampton TITLE Sr. Staff Admin. Supv. DATE 6/26/90
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

ok

NMOCD

*See Instructions On Reverse Side

Amoco proposes to drill the well to further develop the Fruitland Coal reservoir. The well will be drilled to the surface casing point using native mud. The well will then be drilled to the total depth with a non-dispersed mud system. The attached modified 12" 3000 psi blowout preventer will be used (please see attached BOP information). The well will be completed in the Fruitland Coal with a fracture stimulation.

Quantity	Size	Weight	Description	Cementing Program
<u>SURFACE CASING</u>				
250'	8-5/8"	24#	K55 ST&C	250 cf Class B, 2% CaCl ₂ 15.6 ppg
<u>INTERMEDIATE STRING</u>				
2995	5.5"	17#	K55 ST&C	749 cf Class B, 65:35:6 10% salt, .25% dispersant 13.1 ppg 118 cf Class B, 2% CaCl ₂ 15.6 ppg

The above casing design is based upon a 11.0#/gal mud weight.

EVALUATION

The log surveys (FDC/GR/CAL, Microlog) will be run per attached drilling and completion program.

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator AMOCO PRODUCTION COMPANY			Lease MUDGE GAS COM /A/		Well No. # 1
Unit Letter L	Section 11	Township 31 NORTH	Range 11 WEST	County SAN JUAN	
Actual Footage Location of Well: 1740 feet from the SOUTH line and 890 feet from the WEST line					
Ground level Elev. 6102	Producing Formation Fruitland Coal		Pool Basin Fruitland Coal Gas	Dedicated Acreage W/2 320.00 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

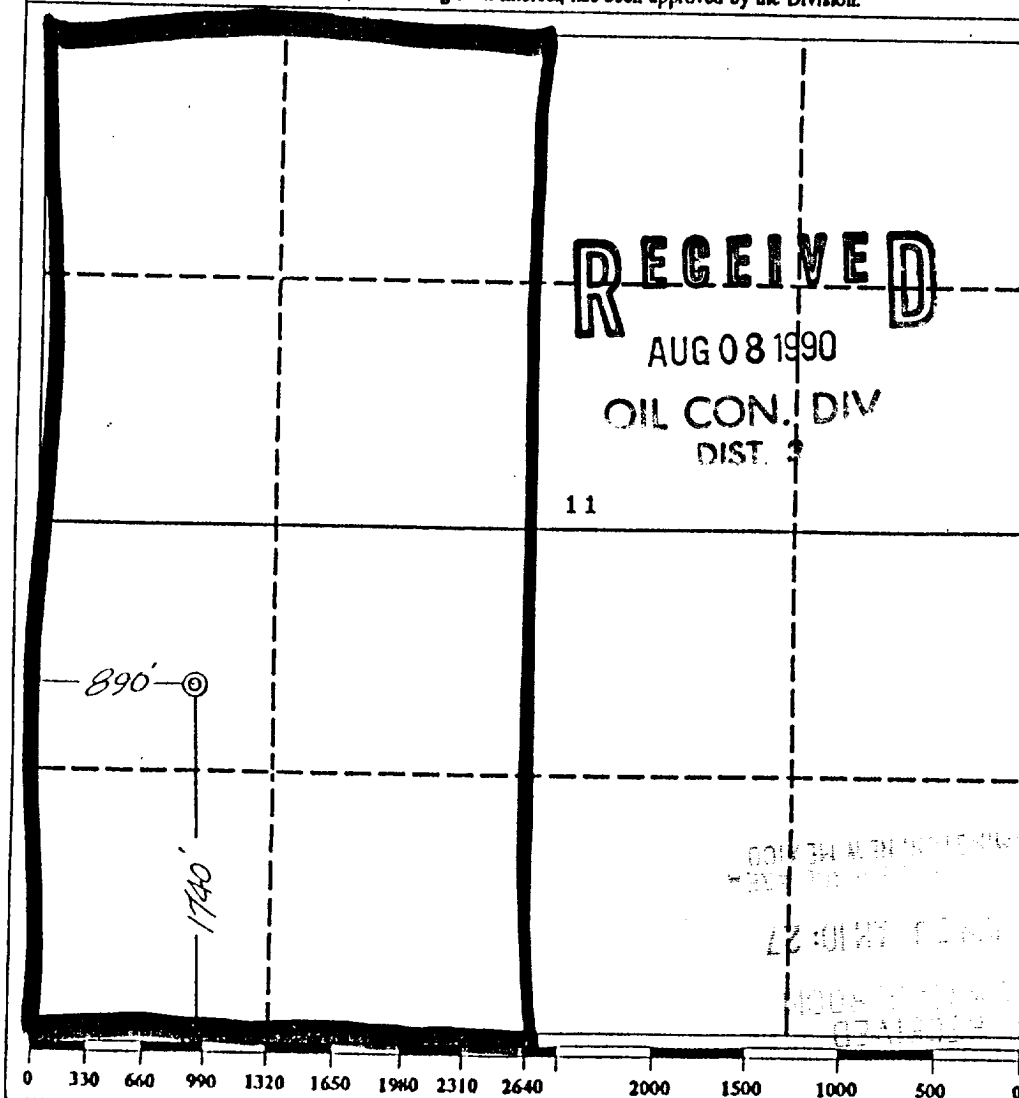
Signature *G. L. Hampton*
Printed Name **G. L. Hampton**
Position **Sr Staff Admin Supr**
Company **Amoco Prod**
Date **6-1-90**

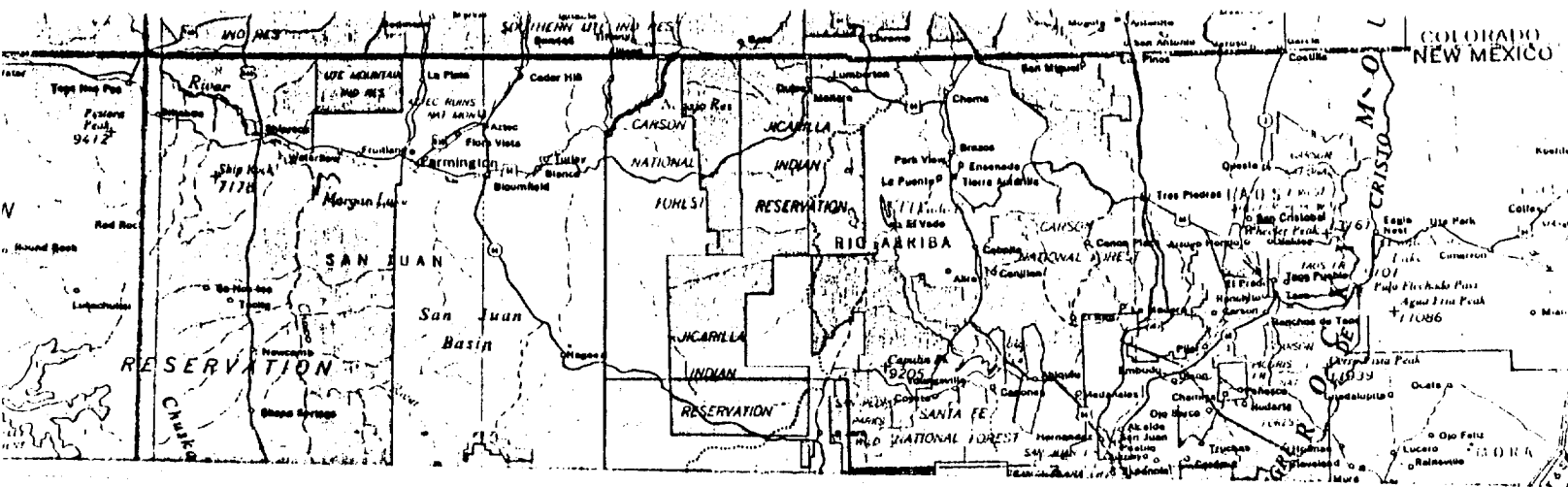
SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

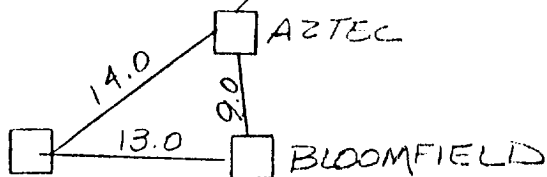
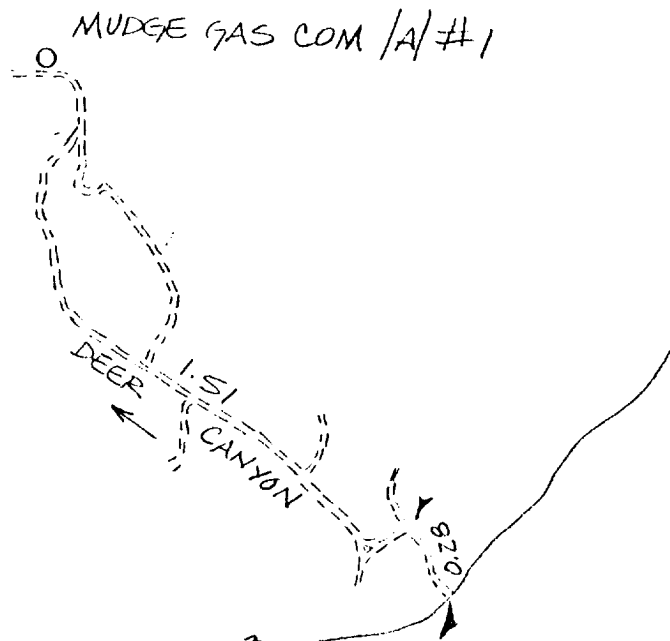
Date Surveyed **May 24, 1990**

Signature & Seal of Professional Surveyor
GARY D. VANN
7016
Gary D. Vann
Certification No. **7016**





MUDGE GAS COM /A/ # 1
 1740' F/SL 890' F/WL
 SEC. 11, T31N, R11W, NMPM
 RAIL POINT: 151 miles - Montrose, Co.
 MUD POINT: 8 miles - Aztec, NM
 CEMENT POINT: 22 miles - Farmington, NM.



FARMINGTON