

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO REPAIR, REDEVELOP, DEEPEN, OR PLUG BACK

**RECEIVED**  
OCT 17 1990  
OIL CON. DIV.

1a. TYPE OF WORK

PLUG BACK

1b. TYPE OF WELL

GAS

LEASE NUMBER

USA-SF-077980

6. IF INDIAN, ALL. OR TRIBE NAME

2. OPERATOR

EL PASO NATURAL GAS CO.

7. UNIT AGREEMENT NAME

HUERFANO UNIT

3. ADDRESS & PHONE NO. OF OPERATOR

P.O. BOX 4289

FARMINGTON, NM 87499

(505) 326-9700

8. FARM OR LEASE NAME

9. WELL NO.

49

4. LOCATION OF WELL

1650' FNL; 990' FEL

10. FIELD, POOL, OR WILDCAT

BASIN FRUITLAND COAL

11. SEC. T. R. M OR BLK.

SEC. 05, T26N, R09W

14. DISTANCE IN MILES FROM NEAREST TOWN

12. COUNTY

SAN JUAN

13. STATE

NM

15. DISTANCE FROM  
PROPOSED LOCATION  
TO NEAREST PROPERTY  
OR LEASE LINE.

16. ACRES IN LEASE

17. ACRES ASSIGNED TO WELL

321.82

18. DISTANCE FROM  
PROPOSED LOCATION  
TO NEAREST WELL DR.  
COMPL., OR APPLIED  
FOR ON THIS LEASE.

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOLS

21. ELEVATIONS (DF, FT, GR, ETC.)  
6501' DF

22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

\*SEE OPERATIONS PLAN

24. AUTHORIZED BY: Regina J. Bradford (CRB)  
REGULATORY AFFAIRS

8-13-90  
DATE

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3.  
(NO ADDITIONAL DIRT WORK WILL BE REQUIRED)

APPROVED

OCT 05 1990

Ken Townsend  
AREA MANAGER

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 00, Artesia, NM 88210

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator <u>El Paso Natural Gas</u>		Lease <u>Huerfano Unit (SF-077980)</u>		Well No. <u>49</u>
Unit Letter <u>H</u>	Section <u>5</u>	Township <u>26 North</u>	Range <u>9 West</u>	County <u>San Juan</u>
Actual Footage Location of Well: <u>1650</u> feet from the <u>North</u> line and <u>990</u> feet from the <u>East</u> line				
Ground level Elev. <u>6491'</u>	Producing Formation <u>Fruitland Coal</u>	Basin <u>Basin</u>	Dedicated Acreage: <u>321.82</u> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or Indian 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 unitization  
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, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

Prepared from plat  
By: C.O. Walker  
Dated: 12-20-55

RECEIVED  
OCT 17 1990  
OIL CON. DIV.  
DIST. 3

OPERATOR CERTIFICATION

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

Signature  
Peggy Bradfield  
Printed Name  
Regulatory Affairs  
Position  
El Paso Natural Gas  
Company  
8-13-90  
Date

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.  
12-20-55

Date Surveyed  
12-20-55  
Signature  
Neale C. Edwards  
Professional Surveyor  
6857  
NEW MEXICO  
REGISTERED LAND SURVEYOR  
Neale C. Edwards

Huerfano Unit #49  
Procedure to Recomplete Fruitland Coal

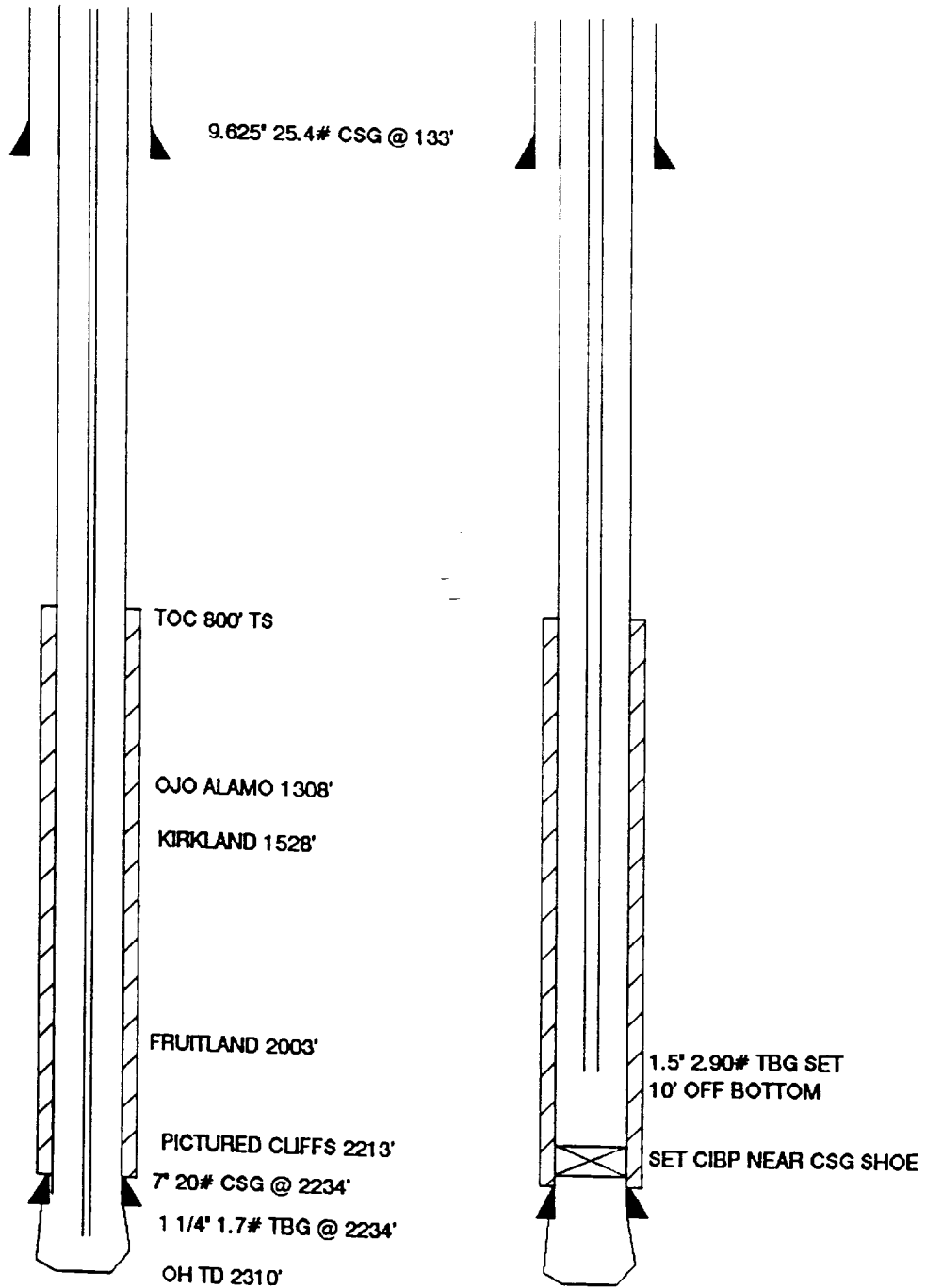
1. Check location anchors.
2. MOL and rig up daylight pulling unit with rig pump and blow tank.
3. Kill PC with water as needed. ND wellhead. NU BOP. TOOH with 1" tubing.
4. Run CNL-GR-CCL. Set cast iron bridge plug at 2229'.
5. Pressure test casing to 1000 psi for 15 minutes.
6. Perforate the Fruitland Coal interval.
7. Pick up retrievable bridge plug and packer. TIH on 2 3/8" tubing. Isolate each coal interval and breakdown.
8. Fracture stimulate well.
9. Open well through variable choke and flow back slowly.
10. TIH with 2 3/8" tubing with expendable check on bottom. Blow well with air.
11. Obtain and record gauges. When returns dry up, TOOH with 2 3/8" tubing.
12. TIH with 1 1/2" 2.3# EUE tubing with pump out plug on bottom and common pump seating nipple one joint off bottom. Land tubing at 1990'. Nipple down BOP. Nipple up wellhead.

# HUERFANO UNIT #49

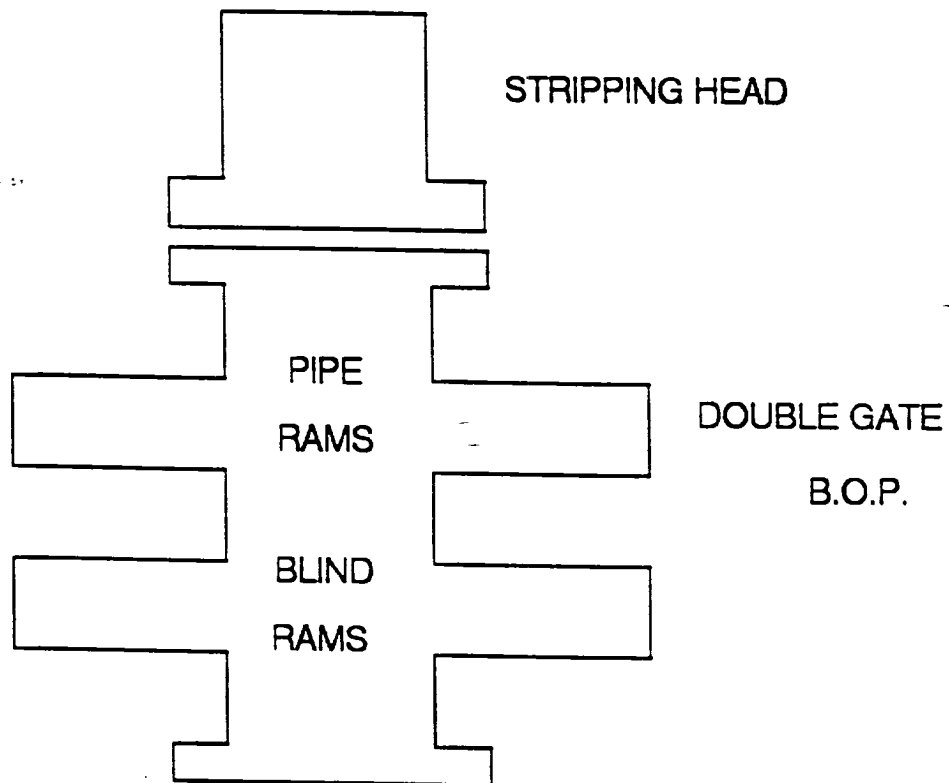
## WELLBORE DIAGRAMS

BEFORE R/C

AFTER R/C



# WORKOVER / RECOMPLETION B.O.P. SCHEMATIC



MINIMUM: 6" 2000 PSI DOUBLE GATE B.O.P.  
MAXIMUM ANTICIPATED SHUT-IN WELLHEAD  
PRESSURE IS LESS THAN 2000 PSI