

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

**RECEIVED**  
OCT 17 1990  
OIL CON. DIV.  
257.3

1a. TYPE OF WORK PLUG BACK	5. LEASE NUMBER USA-SF-078060
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR MERIDIAN OIL INC.	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
4. LOCATION OF WELL 1750' FNL; 990' FEL	9. WELL NO. 55
14. DISTANCE IN MILES FROM NEAREST TOWN	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. H SEC. 27, T26N, R09W
16. ACRES IN LEASE	12. COUNTY SAN JUAN
17. ACRES ASSIGNED TO WELL 320.00	13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. COMPL., OR APPLIED FOR ON THIS LEASE.	20. ROTARY OR CABLE TOOLS
19. PROPOSED DEPTH	22. APPROX. DATE WORK WILL START
21. ELEVATIONS (DF, FT, GR, ETC.) 6423' DF CL	
23. PROPOSED CASING AND CEMENTING PROGRAM	
*SEE OPERATIONS PLAN	
24. AUTHORIZED BY: <u>Ken Townsend</u> (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

ek  
C

Submit to Appropriate  
District Office  
State Leases - 4 copies  
Fee Leases - 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 Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator <i>El Paso Natural Gas</i>		Lease Huerfano Unit (SF-078060)		Well No. 55
Unit Lease H	Section 27	Township 26 North	Range 9 West	County San Juan
Actual Footage Location of Well: 1750 feet from the North line and 990 feet from the East line				
Ground level Elev. 6413'	Producing Formation Fruitland Coal Basin		Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hectare 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: 9-12-56

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OPERATOR CERTIFICATION

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

*Peggy Bradfield*  
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 or 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.

8-8-90

Date Surveyed

*Neale C. Edwards*  
Signature

Professional Surveyor



Certified to be a true and correct copy of the original

Neale C. Edwards

Huerfano Unit #55  
Procedure to Recomplete Fruitland Coal

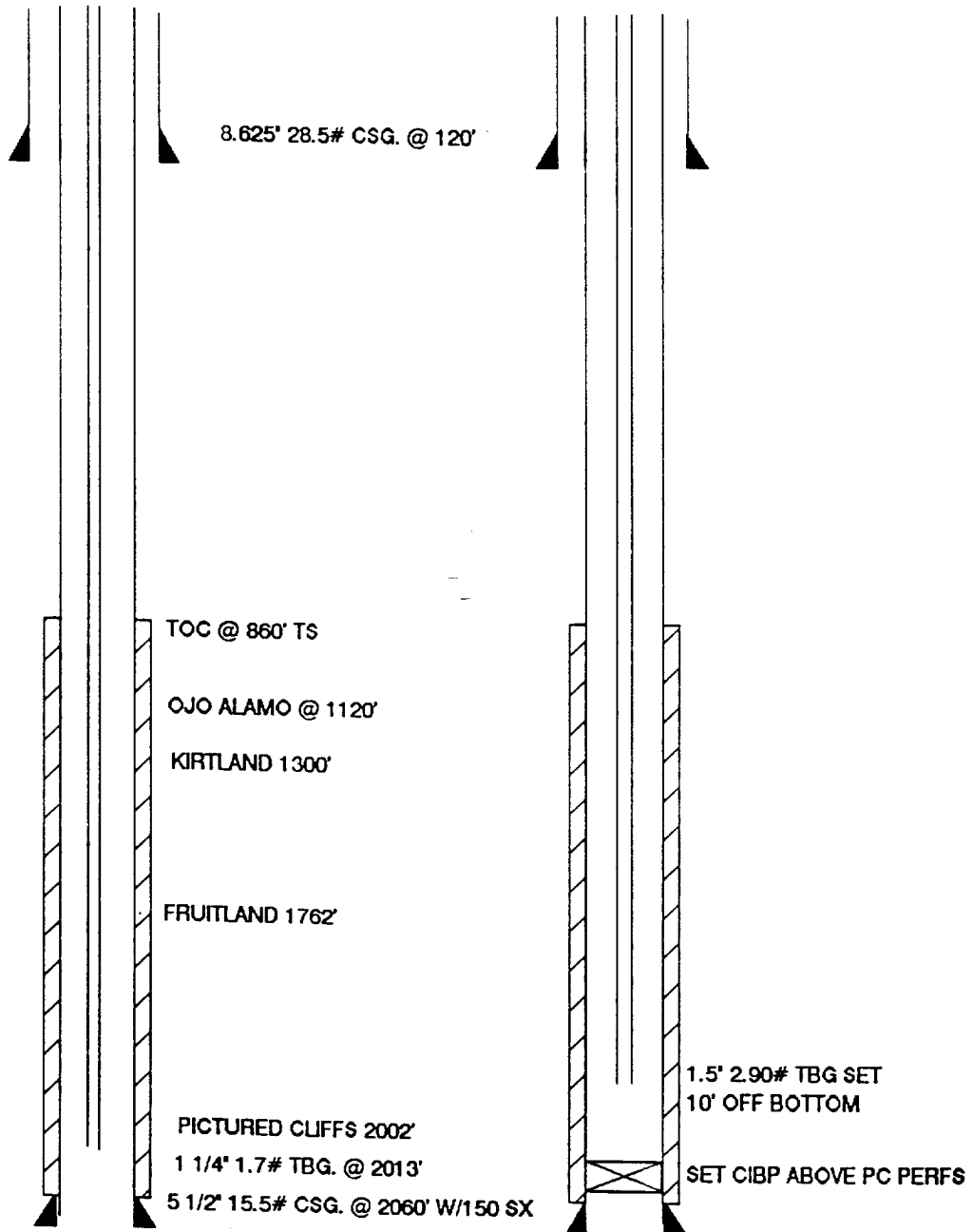
1. Check location anchors.
2. MOL and rig up daylight pulling unit with rig pump and blow tank.
3. Kill PC with water as needed. ND wellhead. NU BOP. TOOH with 1" tubing.
4. Run CNL-GR-CCL. Set cast iron bridge plug at 2030'.
5. Pressure test casing to 2500 psi for 15 minutes.
6. Perforate the Fruitland 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 2010'. Nipple down BOP. Nipple up wellhead.

# HUERFANO UNIT #55

## WELLBORE DIAGRAMS

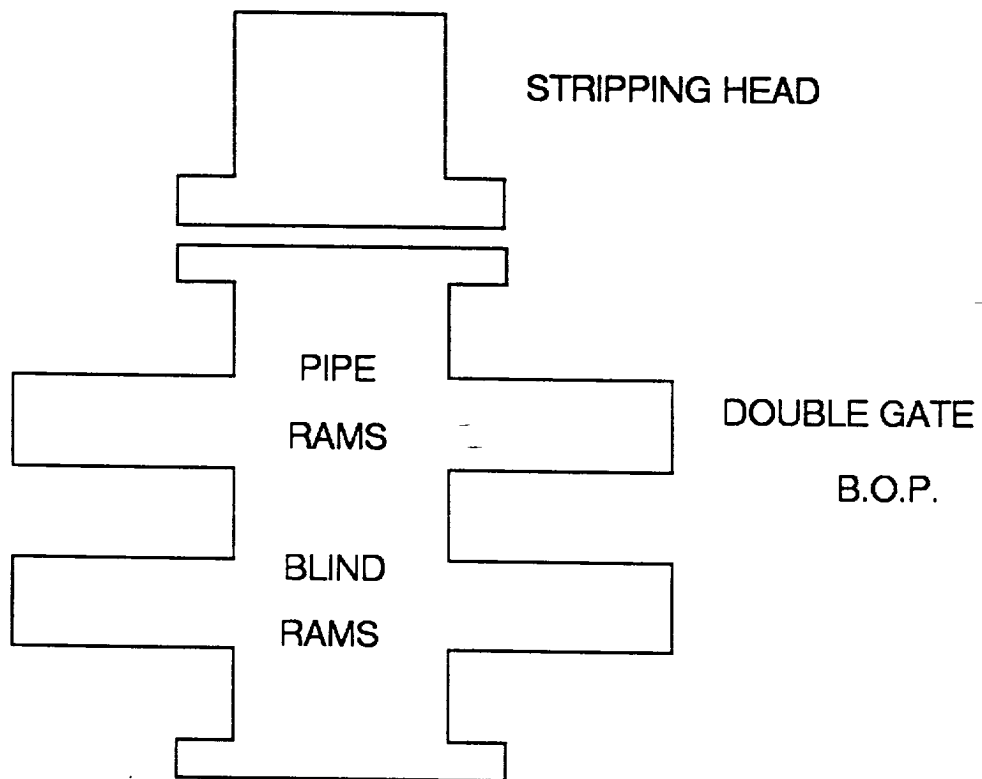
BEFORE R/C

AFTER R/C



OPENHOLE TD 2015'

# 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