

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED  
JUN 26 1990

OIL CON. DIV.)

DIST. 3

1a. TYPE OF WORK  
PLUG BACK  
1b. TYPE OF WELL  
GAS

5. LEASE NUMBER  
USA-SF-078081  
6. IF INDIAN, ALL. OR TRIBE NAME

2. OPERATOR *Meridian Oil*  
EL PASO NATURAL GAS COMPANY

7. UNIT AGREEMENT NAME  
HUERFANITO 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.  
32 ~~28~~

4. LOCATION OF WELL  
990' FNL; 990' FWL

10. FIELD, POOL, OR WILDCAT  
BASIN FRUITLAND COAL  
11. SEC. T. R. M OR BLK.  
SEC. 33, T27N, 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

320.00

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.)  
6485' GL

22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

\*SEE OPERATIONS PLAN

24. AUTHORIZED BY: *[Signature]* (ROS)  
REGULATORY AFFAIRS

*5-22-90*  
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

JUN 21 1990

*[Signature]*  
AREA MANAGER

NMOCD

Submit to Aspropriate  
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

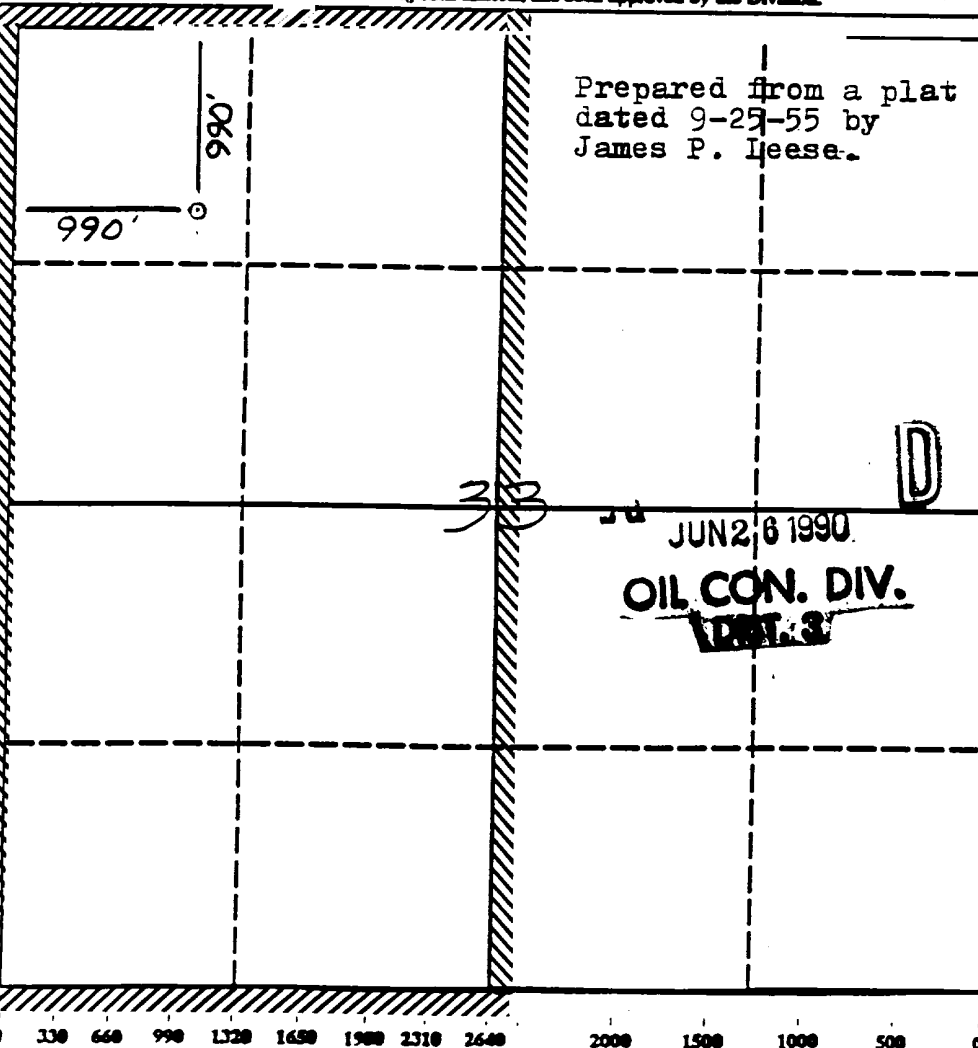
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator El Paso Natural Gas Company			Lease Huerfanito Unit (SF-078081)		Well No. 32
Unit Letter D	Section 33	Township 27 North	Range 9 West	County San Juan	
Actual Footage Location of Well: 990 feet from the North line and 990 feet from the West line					
Ground level Elev. 6485'	Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage: 320 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or lacquer marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.



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  
5-22-90

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.

5-17-90

Date Surveyed

Signature  
Professional Surveyor

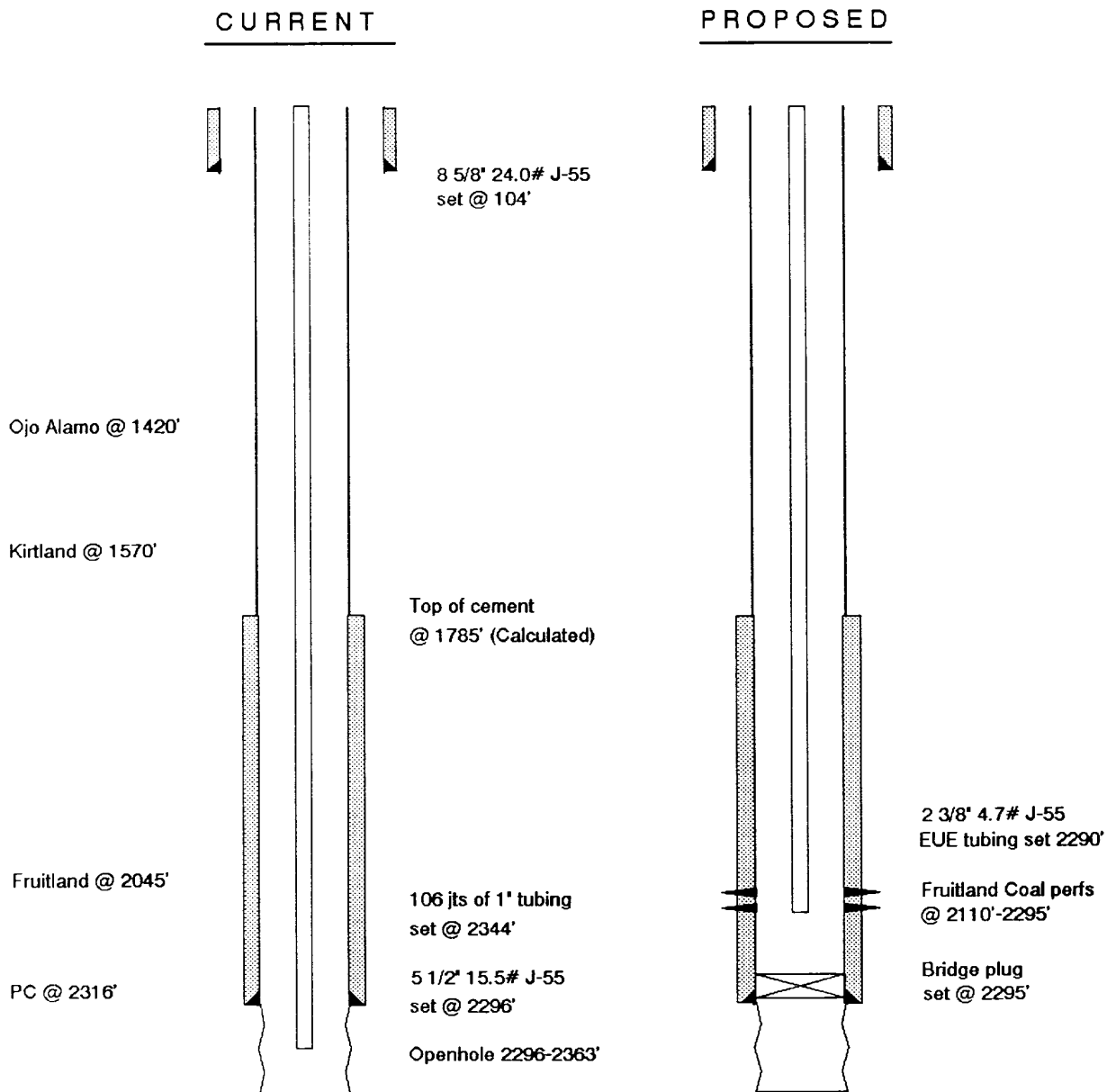
NEALE C. EDWARDS  
6857  
6857  
REGISTERED LAND SURVEYOR  
Neale C. Edwards

Recompletion Procedure  
Huerfanito Unit #32

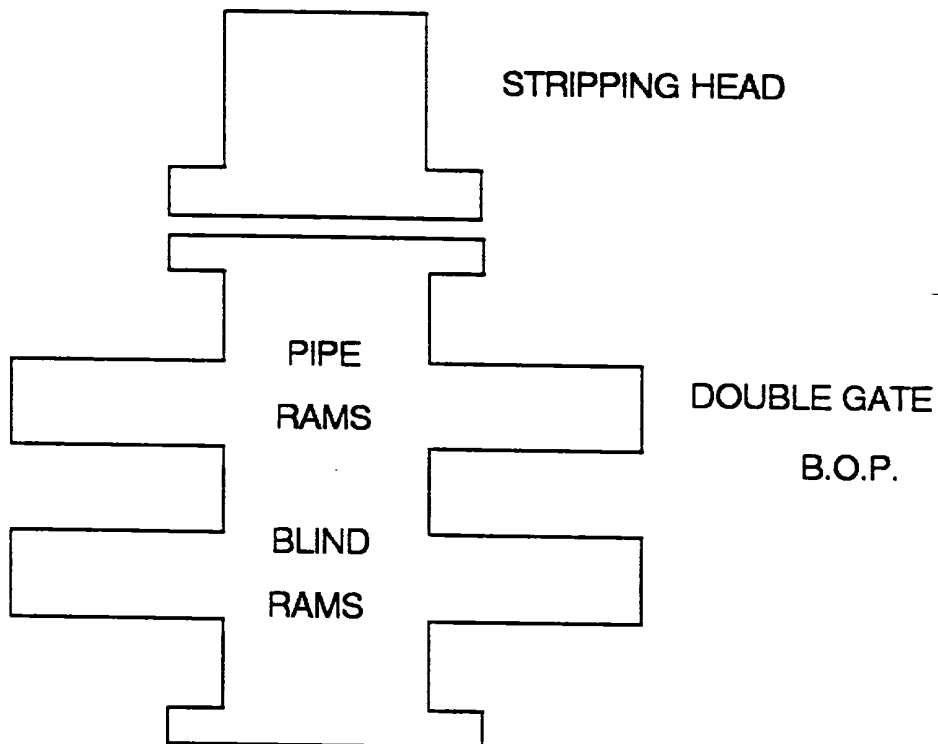
1. Prepare location for workover. Install / replace anchors as necessary.
  2. MOL with workover rig, hold safety meeting, install safety signs and proper fire equipment at strategic points. Comply with all BLM, NMOCD, and MOI regulations.
  3. Rig up blow lines, record tubing and casing pressures and blow well down. Kill well as necessary with water. ND tree and NU 6" 3000 psi BOP and stripping head.
  4. TOOH and lay down 106 joints of 1" tubing set @ 2344'.
  5. PU 2 3/8" 4.7# J-55 EUE tubing and TIH with 5 1/2" casing scraper. CO to the base of the 5 1/2" casing @ 2296'. TOOH.
  6. RU wireline unit and set a 5 1/2" bridge plug @ 2295'. Pressure test casing to 1000 psi for 15 minutes. If casing fails, isolate casing leak(s) with a test packer. A squeeze procedure will be provided if the casing is determined to be repairable.
  7. Use existing GR-Neutron-CCL log for perforating. Perforate the coal.
  8. Breakdown the coal and evaluate. Fracture stimulate the coal if necessary.
  10. Land 2 3/8" tubing with a common pump seating nipple one joint off bottom. Land tubing near bottom perforation. Record final 30, 45 and 60 minute gauges on morning report. Rig down and release rig.
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**Huerfanito Unit #32**  
**NW/4 Section 33, T-27-N, R-9-W**  
**San Juan County, New Mexico**

**Wellbore Schematics**



# 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