

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK PLUG BACK	5. LEASE NUMBER SF-076566
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR EL PASO NATURAL GAS CO. <i>Meridian Oil Inc.</i>	7. UNIT AGREEMENT NAME
3. ADDRESS & PHONE NO. OF OPERATOR P.O. BOX 4289 FARMINGTON, NM 87499 (505) 326-9700	8. FARM OR LEASE NAME HUERFANO UNIT
4. LOCATION OF WELL 800' FSL; 800' FWL	9. WELL NO. #24
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. 11 SEC. 29, T29N, R10W
16. ACRES IN LEASE	12. COUNTY SAN JUAN
17. ACRES ASSIGNED TO WELL 320	13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. COMPL., OR APPLIED FOR ON THIS LEASE.	20. ROTARY OR CABLE TOOLS
21. ELEVATIONS (DF, FT, GR, ETC.) 6072' GL	22. APPROX. DATE WORK WILL START
23. PROPOSED CASING AND CEMENTING PROGRAM *SEE OPERATIONS	
24. AUTHORIZED BY: <i>Donna Bradford</i> (JBK) REGULATORY AFFAIRS	APR 30 1990 OIL CON. DIV. DIST. 3 DATE <i>4-19-90</i>
PERMIT NO. _____	APPROVAL DATE _____
APPROVED BY _____	TITLE _____ DATE _____

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3.

APPROVED

APR 20 1990

Ken Townsend
AREA MANAGER

SECRET

0-21 3
OFF CON DIV

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...AND ASSAULT.

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 010, 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 <u>El Paso Natural Gas</u>		Lease <u>Huerfano Unit</u> (SF-076566)		Well No. <u>24</u>
Unit Letter <u>M</u>	Section <u>29</u>	Township <u>27 North</u>	Range <u>10 West</u>	County <u>San Juan</u>
Actual Footage Location of Well: <u>800</u> feet from the <u>South</u> line and <u>800</u> feet from the <u>West</u> line				
Ground level Elev. <u>6072'</u>	Producing Formation <u>Fruitland Coal</u>	Pool <u>Basin</u>	Dedicated Acreage: <u>320</u> Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hectare 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.

Not re-surveyed:
prepared from a plat by
Ewell U. Walsh 11-16-55

RECEIVED

APR 30 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
Peggy Bradfield

Position
Regulatory Affairs

Company
El Paso Natural Gas

Date
4-19-90

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. 4-16-90

Date Surveyed

Signature Neale C. Edwards
Professional Surveyor

NEW MEXICO
6857
REGISTERED LAND SURVEYOR

Certificate No. Neale C. Edwards



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PHOTODUPLICATION SERVICE
UNIVERSITY MICROFILMS INTERNATIONAL

VIA AIR MAIL

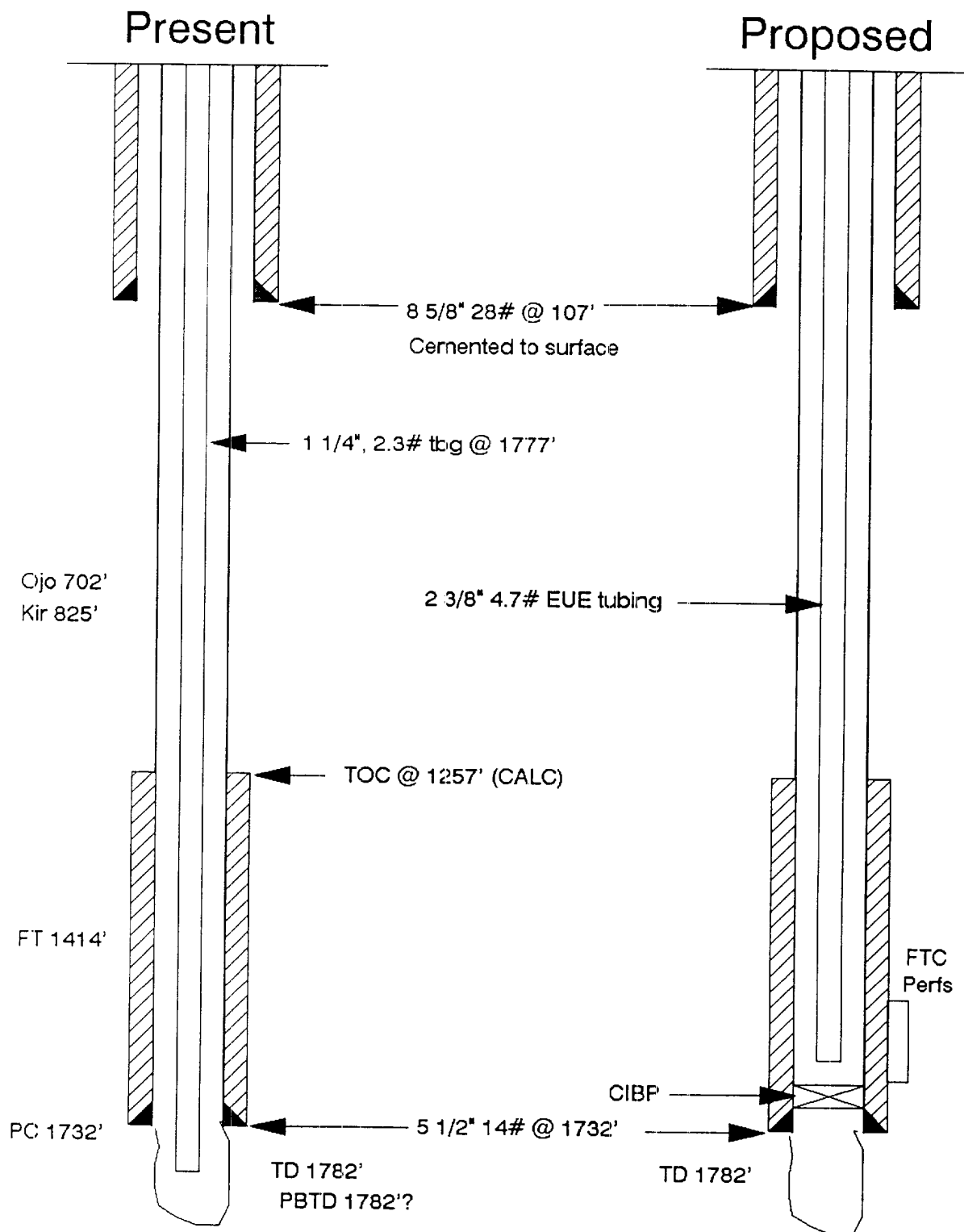
8 APR

**Huerfano Unit #24
Recompletion Procedure**

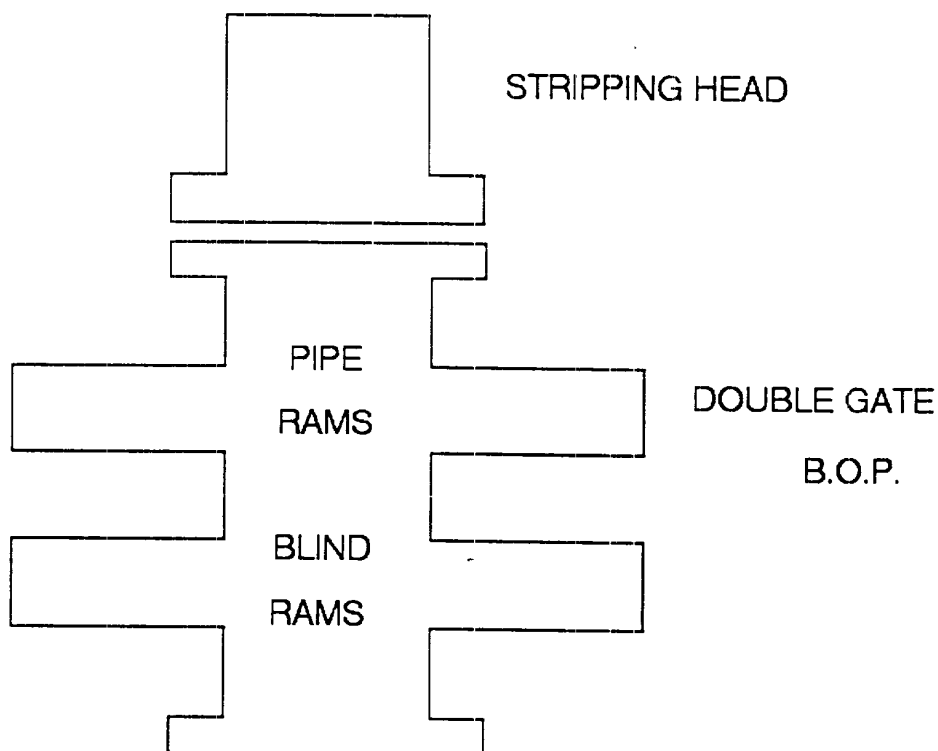
1. Check location anchors and install or repair as needed.
2. MIRU. Hold safety meeting. Place fire and safety equipment in strategic locations. Install blow lines. Kill well with water if necessary.
3. ND WH and replace with 2000 psi independent type wellhead. NU BOP. TOOH with 1777' of 1 1/4", 2.3# tubing and send to yard for salvage. TIH with 2 3/8" tubing and 5 1/2", 14# casing scraper and CO to bottom of casing at 1732'. TOOH.
4. RU wireline unit. Run GR-CCL-CNL from PBTD to top of coal at 1549'. Pick perforations from log.
5. Set a CIBP on wireline as low as possible without threatening the casing shoe's integrity or the BP's seal.
6. Run CBL-CCL from new PBTD to top of cement. Pressure test casing, BP and WH to 1000 psi for 15 minutes. If casing fails, locate failure with packer and a repair will be evaluated.
7. Load hole with 2% KCl water. Perforate coal intervals picked from logs @ 2 SPF and 120 degree phasing. A total of approximately 48 shots may be needed.
8. Breakdown perforations with HCl.
9. If possible, flow well for 15 minutes immediately after breaking down the last set of perforations. TOOH. Proceed to return well to production promptly after the acid wash.
10. TIH with 2 3/8" tubing with SN one joint off bottom. Land tubing one joint off bottom. Swab well in.
11. ND BOP. NU WH. Return well to production. RDMO.
12. Evaluate well's performance for possible fracture stimulation.

Huerfano Unit #24 Fruitland Coal Recompletion

Elev: 6082' GR



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

