

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK PH 1-11

1a. TYPE OF WORK  
PLUG BACK

1b. TYPE OF WELL  
GAS

2. OPERATOR  
~~EL PASO NATURAL GAS CO.~~ *Meridian Oil Inc.*

3. ADDRESS & PHONE NO. OF OPERATOR  
P.O. BOX 4289  
FARMINGTON, NM 87499  
(505) 326-9700

4. LOCATION OF WELL  
1520' FSL; 1770' FWL

5. LEASE NUMBER  
SF-080673

6. IF INDIAN, ALL. OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
SAN JUAN 27-4 UNIT

9. WELL NO.  
#148

10. FIELD, POOL, OR WILDCAT  
BASIN FRUITLAND COAL

11. SEC. T. R. M OR BLK.  
SEC. 5, T27N, R04W

12. COUNTY  
RIO ARRIBA

13. STATE  
NM

14. DISTANCE IN MILES FROM NEAREST TOWN

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

16. ACRES IN LEASE

17. ACRES ASSIGNED TO WELL  
*W/ 320 319.59*

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.)  
6821' GL

22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

\*SEE OPERATIONS

**RECEIVED**

APR 30 1990

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

OIL CON. DIV.  
DIST. 3

*4-19-90*  
DATE

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

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

**APPROVED**

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3. APR 23 1990

FOR *Ken Townsend*  
AREA MANAGER

NMOC

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 El Paso Natural Gas		Lease San Juan 27-4 Unit (SF-080673)		Well No. 148
Unit Letter K	Section 5	Township 27 North	Range 4 West	County Rio Arriba

Actual Footage Location of Well:

1520 feet from the South line and	1770 feet from the West line
Ground level Elev. 6821'	Producing Formation Fruitland Coal Basin
Dedicated Acreage: 320 - 319.59 Acres	

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

\*Note: Not re-surveyed  
prepared from a plat  
by Fred B. Kerr  
dated Sept. 4, 1981

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.

*Peggy Bradfield*  
Signature

Peggy Bradfield

Printed Name

Regulatory Affairs

Position

El Paso Natural Gas

Company

Date

4-19-90

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.

Date Surveyed

*Neale C. Edwards*  
Signature

Professional Surveyor



Certificate No.

Neale C. Edwards

Recompletion Procedure  
San Juan 27-4 Unit #148

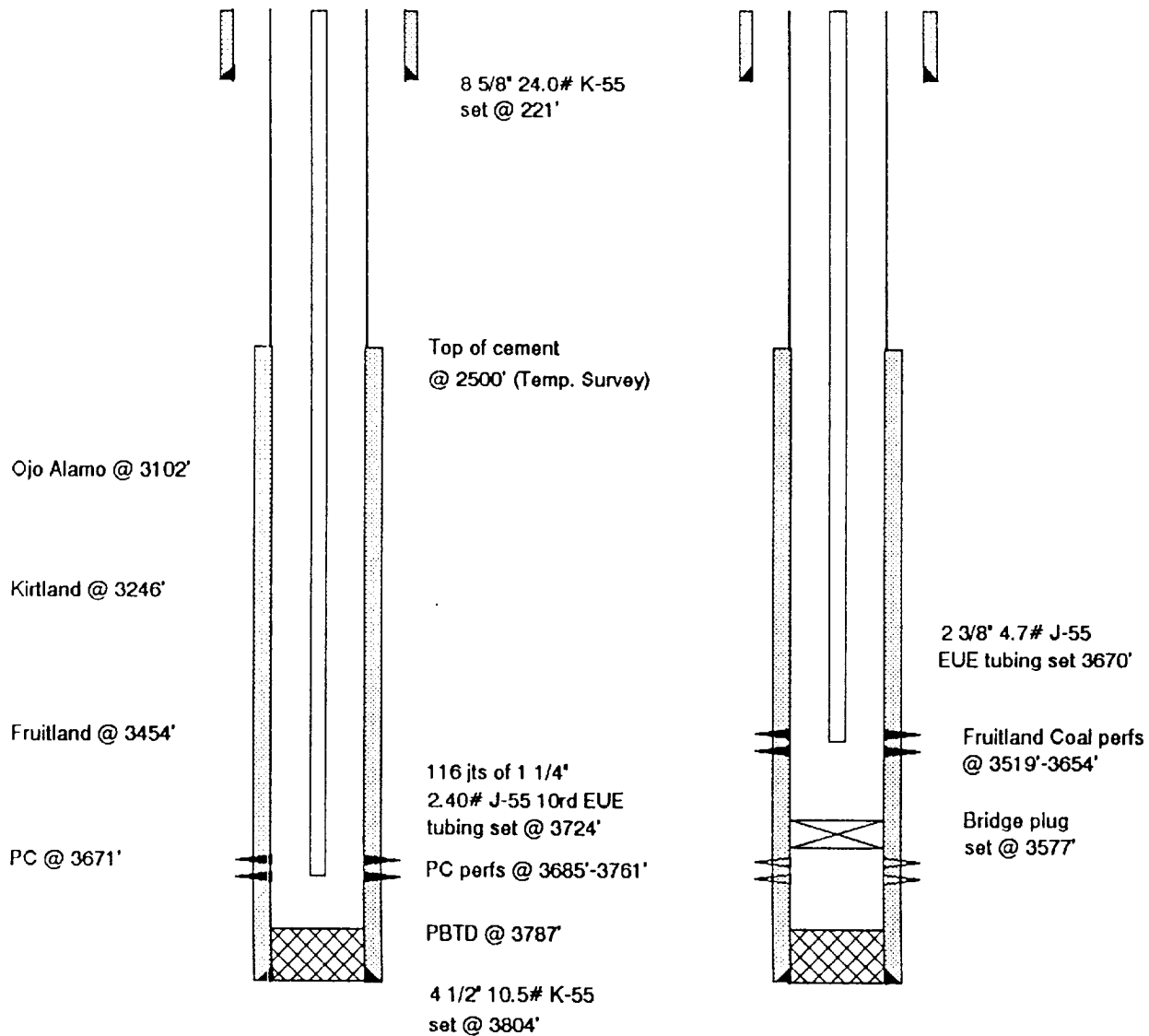
1. Prepare location for workover. Install / replace anchors as necessary.
2. MOL with workover rig, hold safety meeting, install safety signs and proper fire equipment at strategic points. Comply with all BLM, NMCCD, and MOI regulations.
3. Rig up blow lines, record tubing and casing pressures and blow well down. Kill well as necessary with water. ND tree and NU 6" 3000 psi BOP and stripping head.
4. TOOH and lay down 116 joints of 1 1/4" (1.660") 2.40# J-55 10rd EUE tubing set @ 3724'. SN @ 3691'.
5. RU wireline unit and run a 4 1/2" guage ring to 3769'. Set a 4 1/2" bridge plug @ 3577'. Run a treesaver to isolate wellhead. Pressure test casing to 3000 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.
6. PU 2 3/8" 4.7# J-55 EUE tubing with 4 1/2" casing scraper and TIH to 3577'. Circulate hole with 2% KCl water and spot 150 gals of 7 1/2% HCl acid across perforation interval. Mix acid with a clay stabilizer and inhibitor. TOOH.
7. Use existing GR-CCL and Compensated Density Log for perforating coal intervals.
8. Breakdown coal zones and evaluate. If necessary, fracture stimulate the coal.
9. TIH w/ 2 3/8" tubing and clean out to PBTD.
10. When well is clean, land 2 3/8" tubing with a common pump seating nipple one joint off bottom. Land tubing near the bottom perforation. Swab well in. Record final 30, 45 and 60 minute gauges on morning report. ND BOP. NU tree. Rig down and release rig.
11. Shut well in for pressure build up. Obtain gas and water sample for analysis.

**San Juan 27-4 Unit #148**  
**SW/4 Section 5, T-27-N, R-4-W**  
**Rio Arriba County, New Mexico**

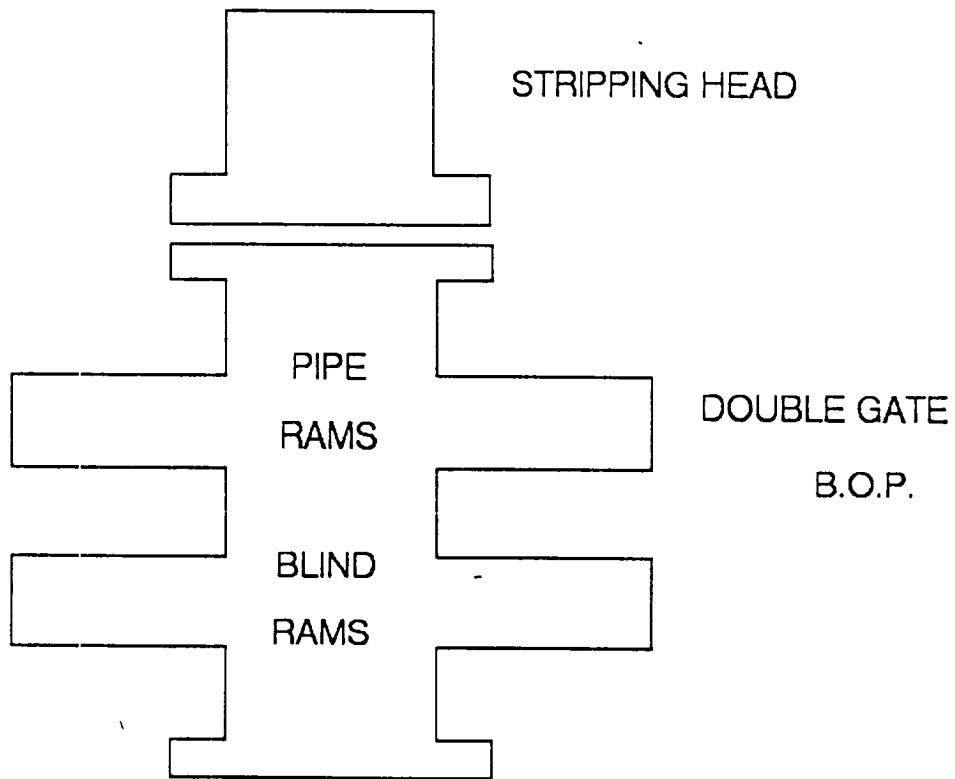
**Wellbore Schematics**

CURRENT

PROPOSED



# 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