

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 8-11-2-27

1a. TYPE OF WORK PLUG BACK	5. LEASE NUMBER NM-01365
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR EL PASO NATURAL GAS CO. <i>MOI</i>	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 1050' FSL; 1090' FEL	9. WELL NO. NP #253
14. DISTANCE IN MILES FROM NEAREST TOWN	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
	11. SEC. T. R. M OR BLK. SEC. 11, <del>T26N</del> , R10W
	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.) 6648' GR	22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

\*SEE OPERATIONS

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

RECEIVED

AUG 20 1990

8-2-90  
DATE

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

OIL CON. DIV.  
DIST. 3

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

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

NMOC

*Hold C-104 FOR NSL*

AUG 13 1990  
Ken Townsend  
AREA MANAGER

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator <b>EL PASO NATURAL GAS COMPANY</b>		Lease <b>HUERFANO UNIT (NM-01365)</b>		Well No. <b>253 NP</b>
Unit Letter <b>P</b>	Section <b>11</b>	Township <b>26-N</b>	Range <b>10-W</b>	County <b>SAN JUAN</b>
Actual Footage Location of Well: <b>1050</b> feet from the <b>SOUTH</b> line and <b>1090</b> feet from the <b>EAST</b> line				
Ground Level Elev. <b>6648</b>	Producing Formation <b>Fruitland Coal</b>	Pool <b>Basin</b>	Dedicated Acreage: <b>320.00</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 interests 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 interests, has been approved by the Commission.

NOTE: THIS PLAT REISSUED TO SHOW CORRECTED POOL DESIGNATION. 1-18-74

NOTE: THIS PLAT REISSUED TO REFLECT WELL RECLASSIFIED TO OIL WELL. 2-27-76

NOTE: THIS PLAT REISSUED TO REFLECT WELL RECLASSIFIED TO GAS WELL. 6-28-79

SECTION 11

**RECEIVED**  
AUG 20 1990  
OIL CON. DIV. I

CERTIFICATION

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

Name

**Peggy Bradfield**

Position

**Regulatory Affairs**

Company

**El Paso Natural Gas**

Date

**8-2-90**

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.

Date Surveyed

**DECEMBER 18, 1973**

Registered Professional Engineer and/or Land Surveyor

ORIGINAL SIGNED BY:  
**DAVID O. VILVEN**

Certificate No.

**1760**

HUERFANO UNIT NP #253

RECOMPLETION PROCEDURE  
GALLUP PLUG AND ABANDONMENT

**\*\*NO WORK IS TO BE PERFORMED OR EQUIPMENT TO BE LOCATED OFF APPROVED WELL PAD\*\***

1. MOL and RU. ND wellhead. NU BOP. Load hole with water.
2. TOOH with tubing.
3. PU 4 1/2" casing scraper on 2 3/8" 4.7# J-55 EUE tubing and TIH to 6153'.  
TOOH.
4. TIH. Establish a rate into the Gallup perforations. Spot a cement plug from 6153'-5671' with 55 sx of Class B neat cement (65 cf, 50% excess to cover 50' above the top of the Gallup). Pull up to 5671' and circulate the casing with 92 bbls of 9.0 PPG mud with a minimum viscosity of 50 sec/qt. TOOH. Tag cement top with wireline after 4 hours.
5. Perforate 4 squeeze holes at <sup>3450</sup>4194'. Establish a rate into the perforations with water. Set a 4 1/2" cement retainer at <sup>3850</sup>4094'. TIH with 2 3/8" tubing and sting into test position in cement retainer. Pressure test tubing to 1000 psi. Establish rate into perforations with water. Squeeze cement with 50 sx of Class B neat cement (59 cf, 100% excess to cover 50' above the top of the Cliff House). Sting out of cement retainer and spot 6 sx Class B neat cement on top of cement retainer (7cf, 81' in 4 1/2" casing). TOOH.
6. Proceed with Fruitland recompletion.

RECOMPLETION PROCEDURE  
HUERFANO UNIT NP #253

\*\*NO WORK IS TO BE PERFORMED OR EQUIPMENT TO BE LOCATED OFF APPROVED WELL PAD\*\*

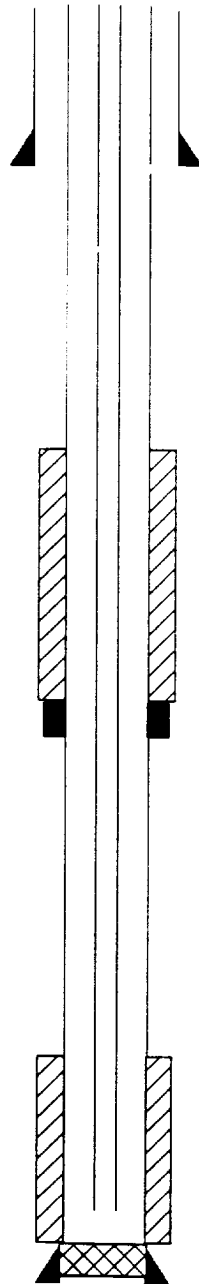
1. Complete Gallup plugback procedure. Load hole with water.
2. NU low pressure packoff.
3. Run GR-CCL-CNL. Pick perforations from log.
4. Pressure test casing.
5. Perforate casing across coal interval and breakdown perforations. Projected zones to be selected from CNL log run.
6. TIH with tubing and swab wellbore dry. Check well for gas flow. Evaluate well overnight. Check well for buildup pressure and gas flow.
7. TIH with tubing and clean out to CIBP.
8. Land tubing 10 feet above bottom perforation. Swab well in. Record final 30, 45, and 60 minute gauges on morning report. ND BOP. NU tree. RD and release rig.
9. Evaluate well's performance for possible fracture stimulation.

# HUERFANO UNIT NP #253

## WELLBORE DIAGRAMS

BEFORE R/C

AFTER R/C



8.625" 24# CSG SET @ 208'

OJO ALAMO 1303'

KIRTLAND 1476'

TOC 1750'

FRUITLAND 2062'

PC 2251'

DV TOOL @ 2464'

CLIFF HOUSE <sup>3900</sup> 4144'

TOC 4707'

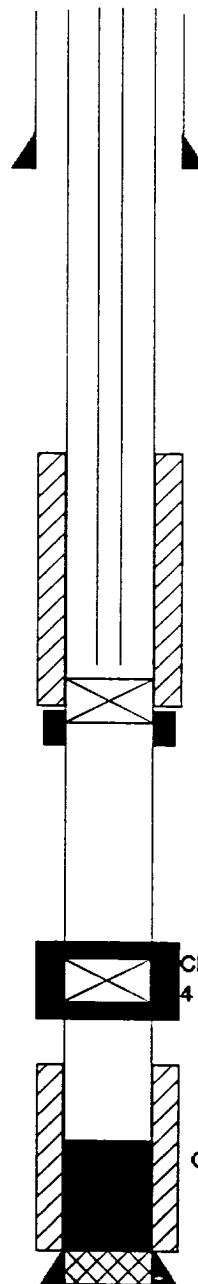
POINT LOOKOUT 4650'

GALLUP 5721'

2.375" 4.7# TBG SET @ 6118'

PBTD @ 6153'

4.5" 10.5# CSG SET @ 6178'

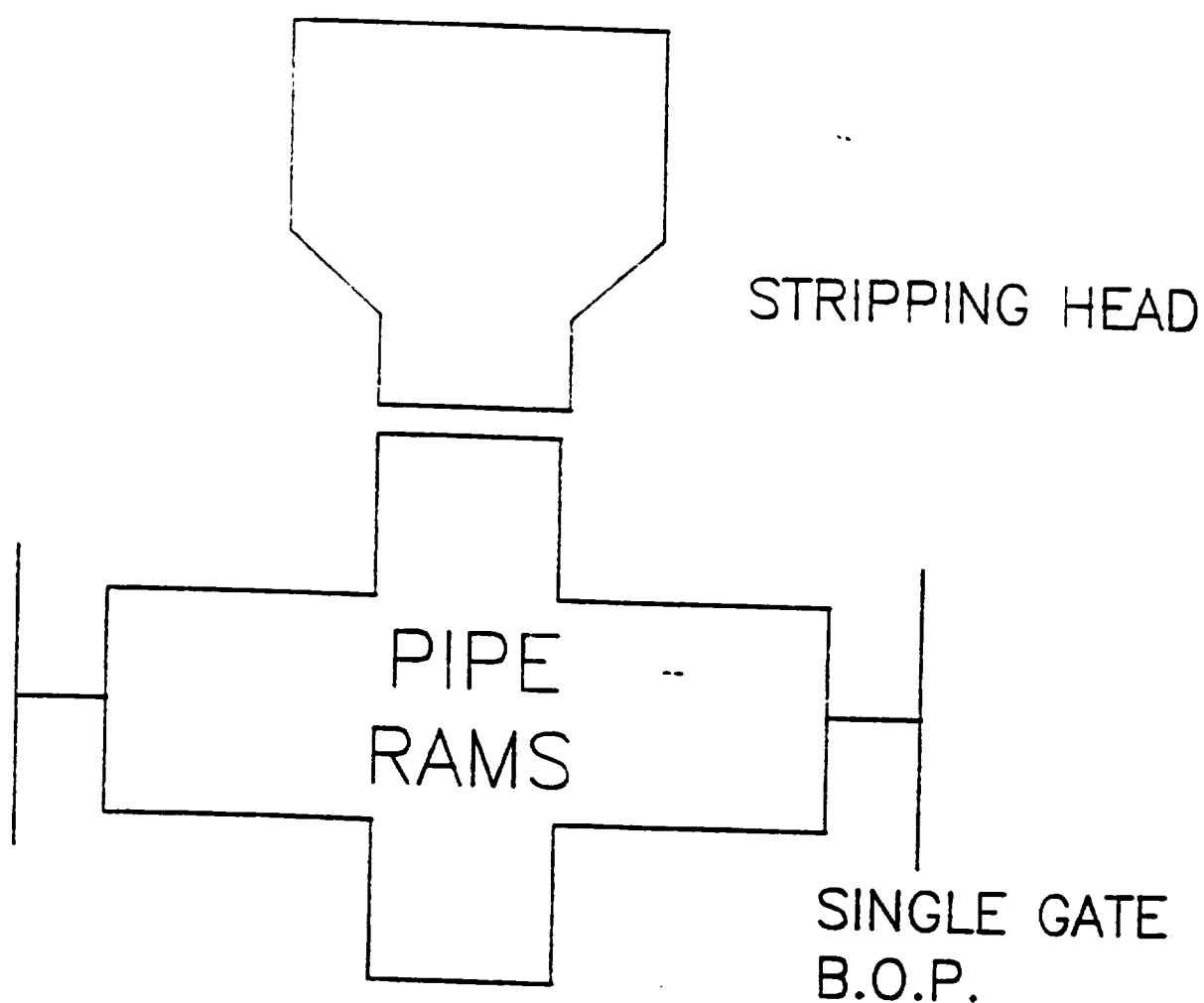


CIBP @ 2261'

<sup>3050</sup>  
CMT RETAINER @ 4094'  
4 SQUEEZE HOLES @ 4194' <sup>3950</sup>

CMT PLUG: PBTD-5671'

# WORKOVER / RECOMPLETION B. O. P. SCHEMATIC



MINIMUM: 2 7/8" 1500 PSI SINGLE GATE B.O.P.

MAXIMUM ANTICIPATED SHUT-IN WELLHEAD  
PRESSURE IS LESS THAN 1500 PSI