

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

1b. TYPE OF WELL
GAS

2. OPERATOR
~~EL PASO NATURAL GAS CO.~~
Mesa Verde

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

4. LOCATION OF WELL
1042' FNL; 1516' FWL

5. LEASE NUMBER
USA-NM-03491

6. IF INDIAN, ALL. OR TRIBE NAME

7. UNIT AGREEMENT NAME
HUERFANITO UNIT

8. FARM OR LEASE NAME

9. WELL NO.
23

10. FIELD, POOL, OR WILDCAT
BASIN FRUITLAND COAL

11. SEC. T. R. M OR BLK.
C SEC. 4, T26N, R9W

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
324.44

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.)
6469' DF

22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

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

9-7-90
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 10 1990

AREA MANAGER

Hdd C-104 FOR 152

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. Denver OD, Artesia, NM 88210

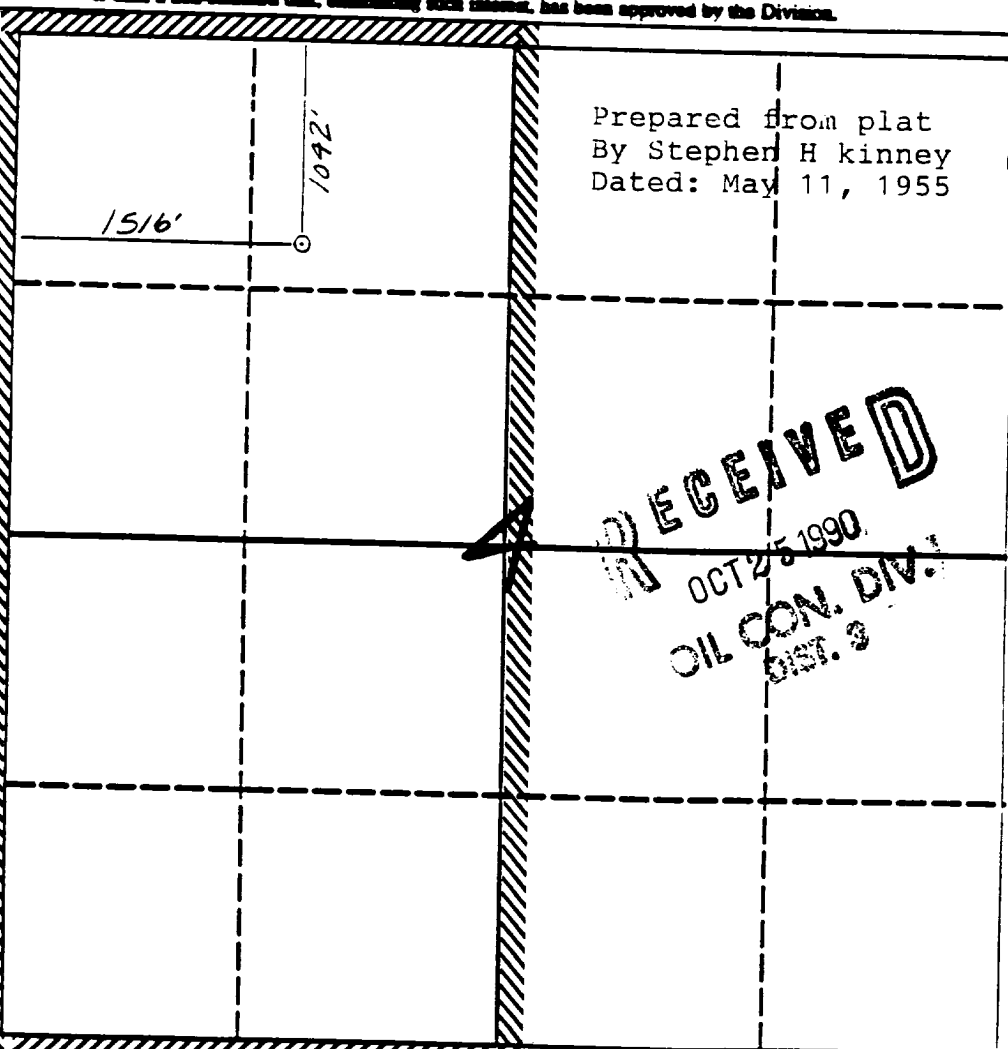
DISTRICT III
1000 Rio Brancos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator <i>El Paso Natural Gas Co.</i>		Lease (NM-03491)		Well No. 23
Unit Letter C	Section 4	Township 26 North	Range 9 West	County San Juan
Actual Footage Location of Well: 1042 feet from the North line and 1516 feet from the West line				
Ground level Elev. 6459'	Producing Formation Fruitland Coal	Pool Basin	Dedicated Acreage: 32 $\frac{1}{2}$.44 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.



RECEIVED
OCT 25 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

9-7-90

Date

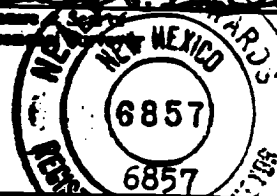
SURVEYOR CERTIFICATION

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.

Date Surveyed

Neale C. Edwards
Signature

Professional



Certificate No.

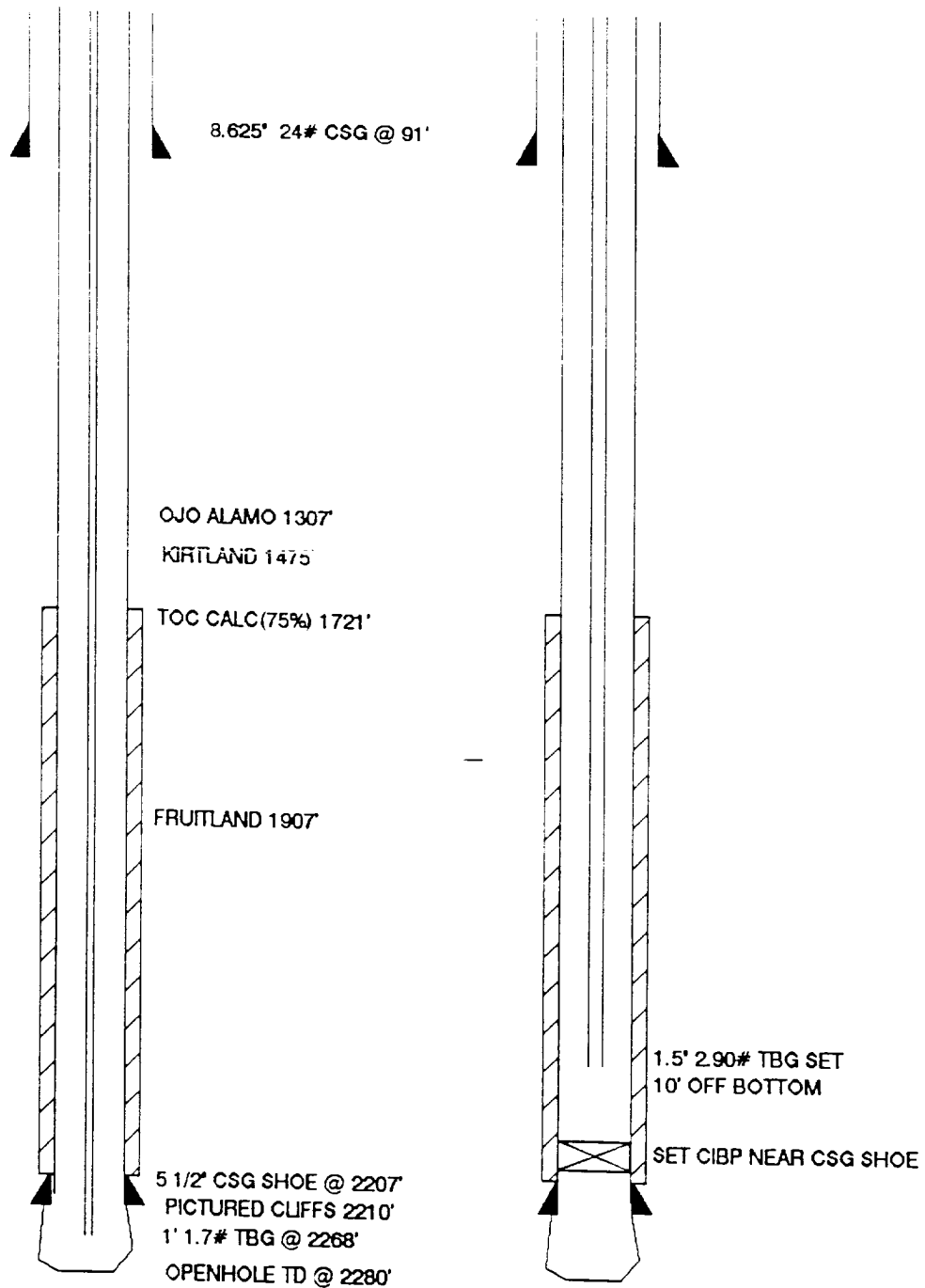
Neale C. Edwards

HUERFANITO UNIT #23

WELLBORE DIAGRAMS

BEFORE R/C

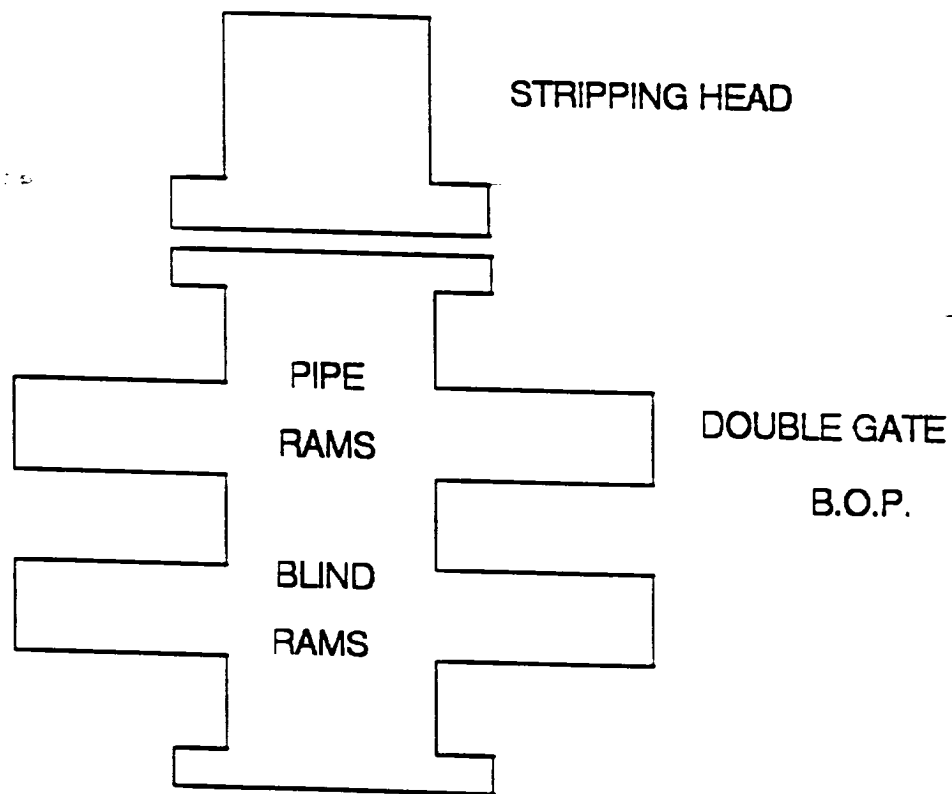
AFTER R/C



Huerfanito Unit #23
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 2202'.
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 2 3/8" 4.7# EUE tubing with pump out plug on bottom and common pump seating nipple one joint off bottom. Land tubing at 2193'. Nipple down BOP. Nipple up wellhead.

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