

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

**RECEIVED**  
JUN 6 1990

**OIL CON. DIV.**  
**DIST. 3**

1a. TYPE OF WORK  
PLUG BACK

1b. TYPE OF WELL  
GAS

2. OPERATOR  
SOUTHLAND ROYALTY CO

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

4. LOCATION OF WELL  
1800' FNL; 1530' FEL

5. LEASE NUMBER  
SF-077652

6. IF INDIAN, ALL. OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
EAST

9. WELL NO.  
#20

10. FIELD, POOL, OR WILDCAT  
BASIN FRUITLAND COAL

11. SEC. T. R. M OR BLK.  
G SEC 26, ~~BLK~~, R12W

12. COUNTY  
SAN JUAN

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  
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.)  
6006' GL

22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

\*SEE OPERATIONS PLAN

24. AUTHORIZED BY: *Ken Townsend* (CJS)  
REGULATORY AFFAIRS

5-25-90  
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**

MAY 29 1990  
Ken Townsend  
FOR AREA MANAGER

NMOCD

*Hold C-104*  
*Cancel EAST #100*  
*(8)*

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APR 1950

OFF. COMM. DIV.

Dist. 3

APR 1950

AREA MANAGER

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

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

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 Southland Royalty Company		Lease East (SF-077652)		Well No. 20
Unit Letter G	Section 26	Township 31 North	Range 12 West	County NMNM San Juan
Actual Footage Location of Well: 1800 feet from the North line and 1530 feet from the East line				
Ground level Elev. 6006'	Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage: 320 Acres

- Outline the acreage dedicated to the subject well by colored pencil or chalk 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 \_\_\_\_\_  
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 well 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 each interest, has been approved by the Division.

Prepared from a plat  
dated: 8-13-69  
by: Fred E. Kerr

1800'

1530'

26

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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 Bradford*  
Signature

Peggy Bradford

Printed Name

Regulatory Affairs

Position

Southland Royalty

Company

5-25-90

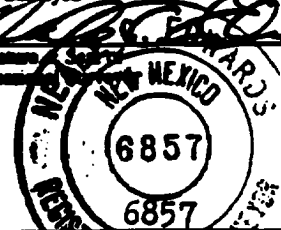
Date

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 Edwards*  
Signature  
Professional Surveyor



Certification

Neale Edwards

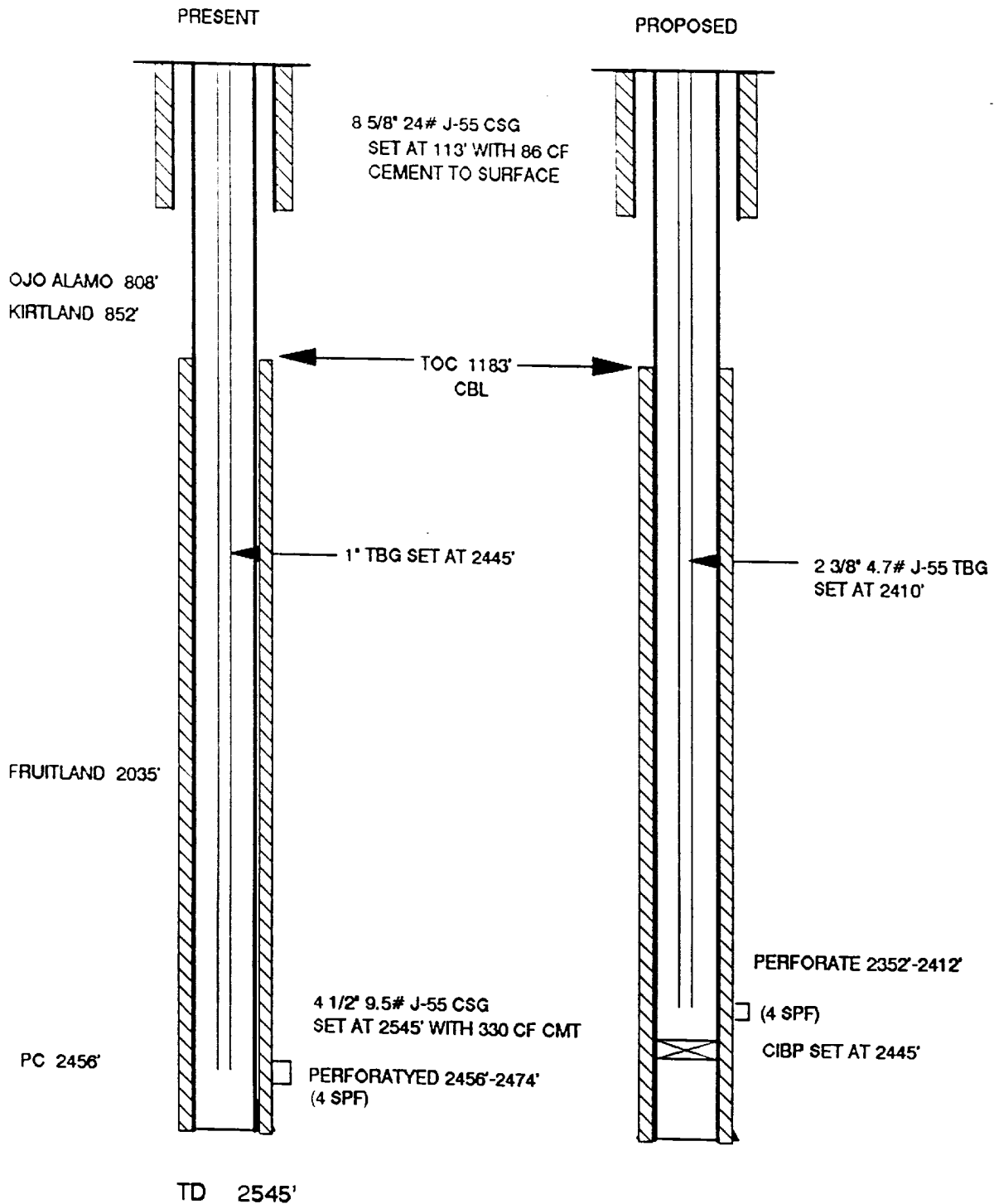
0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

RECEIVED  
JUN 10 1964  
U.S. DIST. CT.  
S.D. N.Y.

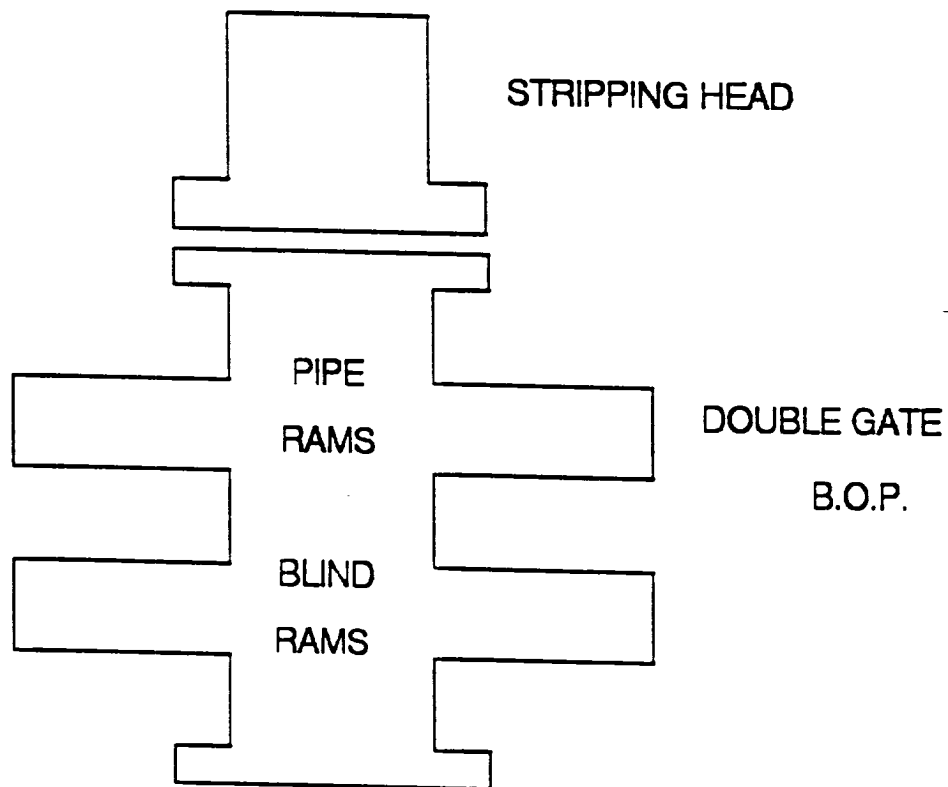
East #20  
Procedure to Recomplete Fruitland Coal

1. Check location anchors.
2. MOL and rig up daylight pulling unit with rip 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 2445'.
5. Pressure test casing to 3000 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 2410'. Nipple down BOP. Nipple up wellhead.

EAST #20  
WELLBORE DIAGRAMS  
UNIT G SECTION 26 T31N-R12W  
FRUITLAND COAL RECOMPLETION



# 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