

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 USA-NM-02294
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR SOUTHLAND ROYALTY COMPANY	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 WHITLEY
4. LOCATION OF WELL 1850' FNL; 850' FWL	9. WELL NO. 10
14. DISTANCE IN MILES FROM NEAREST TOWN	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
	11. SEC. T. R. M OR BLK. SEC. 17, T27N, R09W
	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) 6435' GL	22. APPROX. DATE WORK WILL START
23. PROPOSED CASING AND CEMENTING PROGRAM	

RECEIVED
SEP 04 1990

OIL CON. DIV.
DIST. 3

24. AUTHORIZED BY: James Bradfield (CJS)
REGULATORY AFFAIRS

8-13-90
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
AS AMENDED

AUG 27 1990

Ken Townsend
AREA MANAGER

Held c-104 FOR CH + NSL (E)

Submit to Assessor
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 00, Artesa, NM 88210

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Southland Royalty Co.			Lease Whitley (NM-02294)		Well No. 10
Unit Letter E	Section 17	Township 27 North	Range 9 West	County San Juan	
Actual Footage Location of Well: 1850 feet from the North line and 850 feet from the West line					
Ground level Elev. 6435'		Producing Formation Fruitland Coal		Pool Basin	
					Dedicated Acreage: 320 Acres

- Outline the acreage dedicated to the subject well by colored pencil or highlighter 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, forced-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation communitization agreement will be
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) obtained
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.

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
Regulatory Affairs
Position
Southland Royalty Co
Company
8-13-90
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes and 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.

8-8-90

Date Surveyed
Signature of Surveyor
Professional Surveyor
NEW MEXICO
6857
6857
Certified Surveyor
Neale G. Edwards

Prepared from plat
BY: Fred Kerr
Dated: 11-16-70

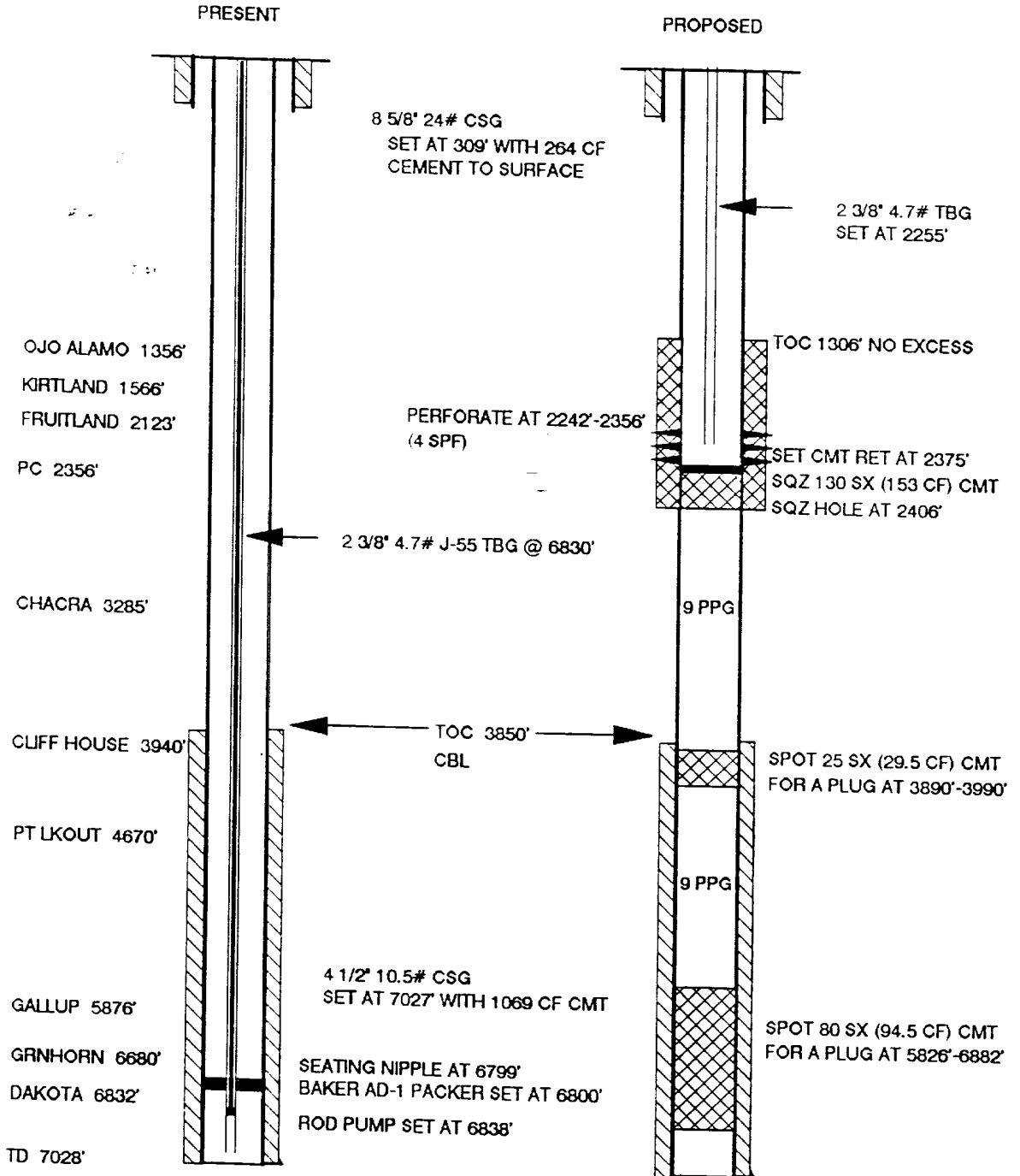
RECEIVED
SEP 04 1990
OIL CON. DIV.
DIST. 3

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

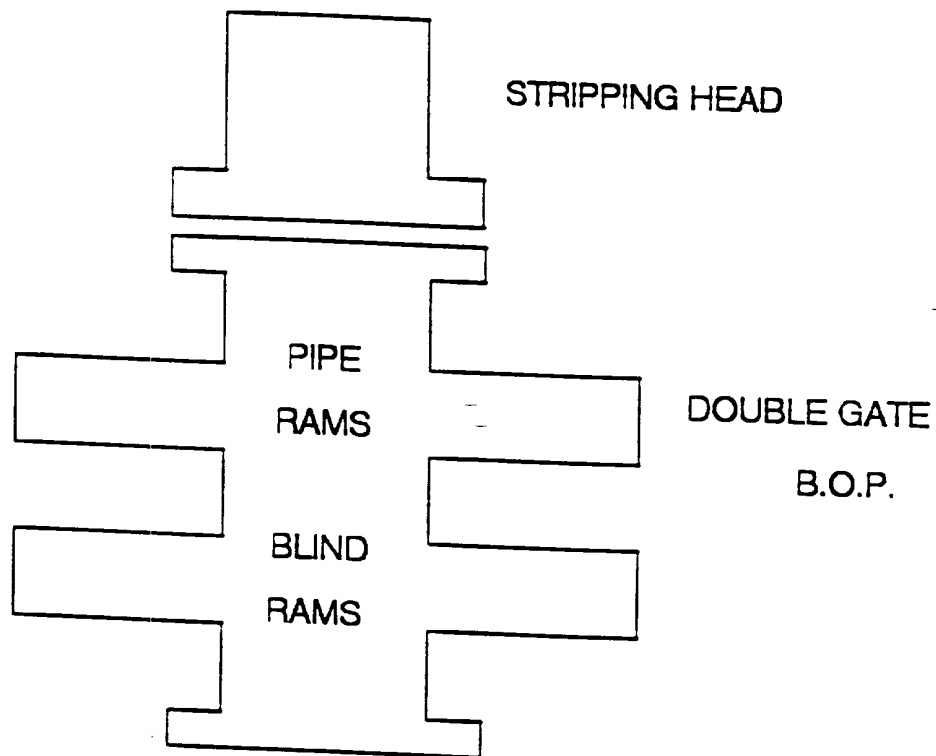
Whitley #10
Procedure to Recomplete Fruitland Coal

1. Check location anchors.
2. MOL and rig up daylight pulling unit with rip pump and blow tank.
3. Kill Dakota with water as needed. Pull rods and pump out of hole. ND wellhead. NU BOP. TOOH with 2 3/8" tubing.
4. TIH to ~~6882'~~ ^{7615' (PBTD)}. *adjust cement volume for additional footage* Spot 80 sx (94.5 cf) cement from 5826'-~~6882'~~ ^{7615'} Pull to 5700' at less than 30 ft/min. Clean out tubing. WOC 2 hrs and tag cement top. Circulate 72 BBLs 9 ppg mud between cement plugs.
5. Pull tubing to ~~3990'~~ ^{3963'}. Spot 25 sx (29.5 cf) cement across Mesaverde top for a plug from ~~3890'-3990'~~ ^{3863'-3963'}.
6. Run GR-CNL-CCL. Pressure test casing to 3000 psi for 15 minutes. If test fails, well will be evaluated for repair or abandonment.
7. Perforate 2 squeeze holes at 2406'. Set cement retainer at 2375'. Squeeze with 130 sx (153 cf) cement to cover PC top and cement across Fruitland Coal interval. WOC 18 hrs. *Attempt to cover C&S Alamo with cement.*
8. Run CBL. Perforate the Fruitland Coal interval.
9. Pick up retrievable bridge plug and packer. TIH on 2 3/8" tubing Isolate each coal interval and breakdown.
10. Fracture stimulate well.
11. Open well through variable choke and flow back slowly.
12. TIH with 2 3/8" tubing with expendable check on bottom. Blow well with air.
13. Obtain and record gauges. When returns dry up, TOOH with 2 3/8" tubing.
14. 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 2255'. Nipple down BOP. Nipple up wellhead.

WHITLEY #10
WELLBORE DIAGRAMS
UNIT E SECTION 17 T27N-R9W
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