

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 NM-029146
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR MERIDIAN OIL INC.	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 SAN JUAN
4. LOCATION OF WELL 850' FNL, 1100' FWL	9. WELL NO. 20a
14. DISTANCE IN MILES FROM NEAREST TOWN	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
	11. SEC. T. R. M OR BLK. SEC. 35, T29N, 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 306.10
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.) 5656' GR	OIL CON. DIV. 2. DIST. 3
	APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

24. AUTHORIZED BY: Regan J. Madril (CJS)
REGULATORY AFFAIRS

9-21-90
DATE

PERMIT NO. _____ APPROVAL DATE _____ APPROVED
APPROVED BY _____ TITLE _____ DATE OCT 02 1990
FOR AREA MANAGER

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

Hold 5-104 FOR NSC

NEW MEXICO OIL CONSERVATION COMMISSION
 WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
 Supersedes C-11
 Effective 1-1-65

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

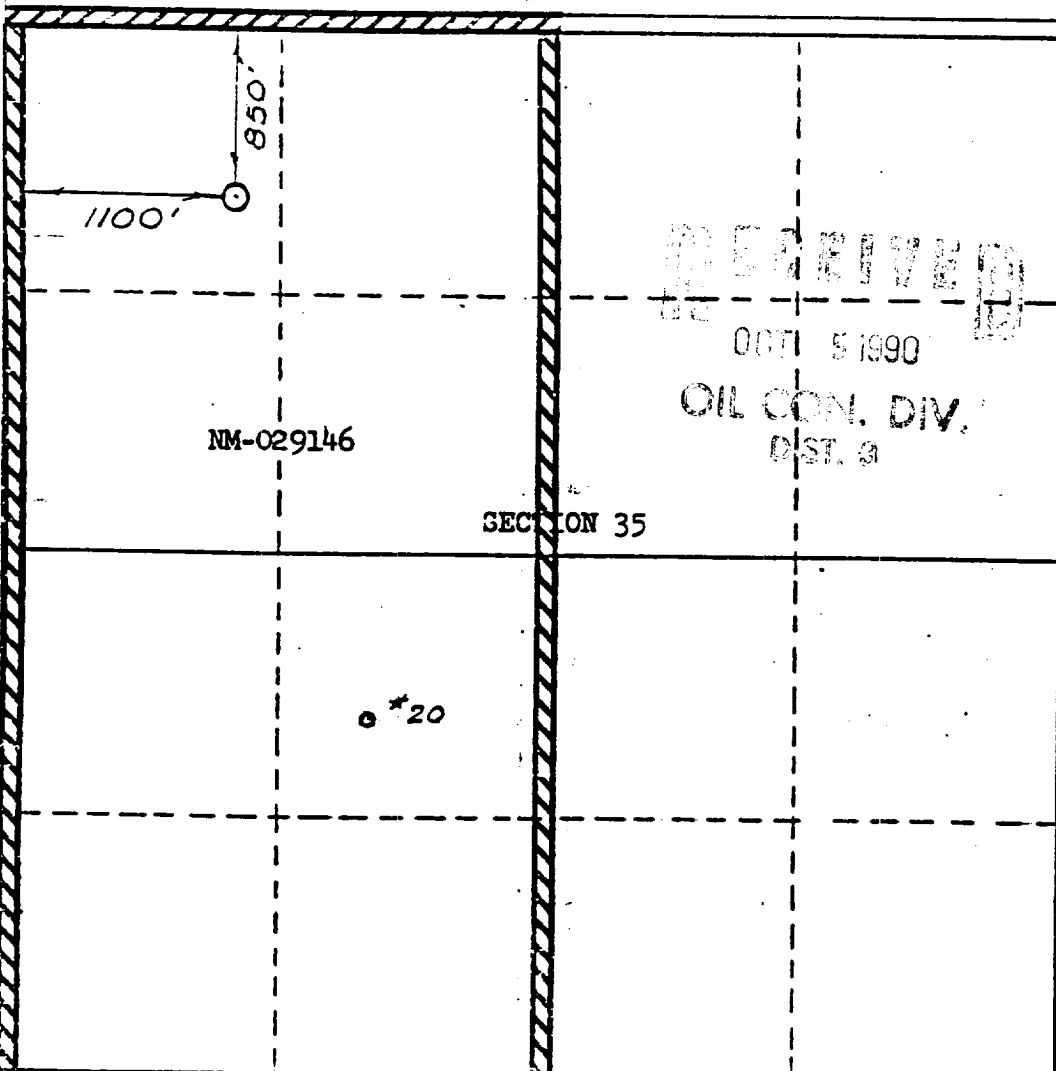
Operator Meridian Oil Inc.			Lease SAN JUAN (NM-029146)		Well No. 20A
Unit Letter D	Section 35	Township 29-N	Range 9-W	County SAN JUAN	
Actual Footage Location of Well: 850 feet from the NORTH line and 1100 feet from the WEST line					
Ground Level Elev. 5656	Producing Formation Mesa Verde/Fruitland		Pool Coal	Dedicated Acreage 306.10 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 _____

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.



CERTIFICATION

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

Name Peggy Bradford
 Position Meridian Oil Inc.
 Company Regulatory Affairs
 Date 9-21-90

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.

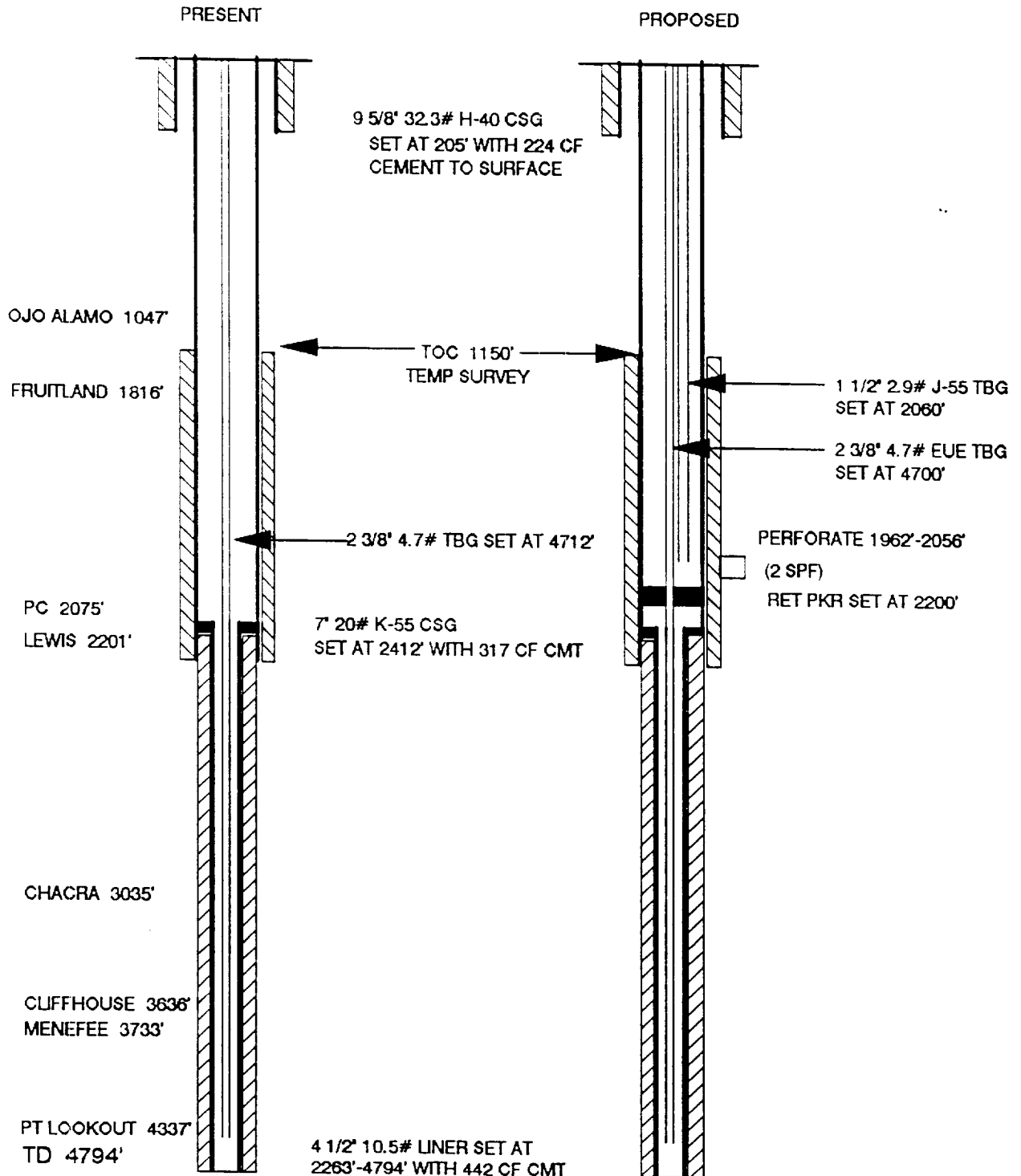
Date Surveyed AUGUST 28, 1977
 Registered Professional Engineer and/or Land Surveyor

[Signature]
 Certificate No. 1760

0 320 640 960 1280 1600 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 5120 5440 5760 6080 6400

SAN JUAN #20A
WELLBORE DIAGRAMS

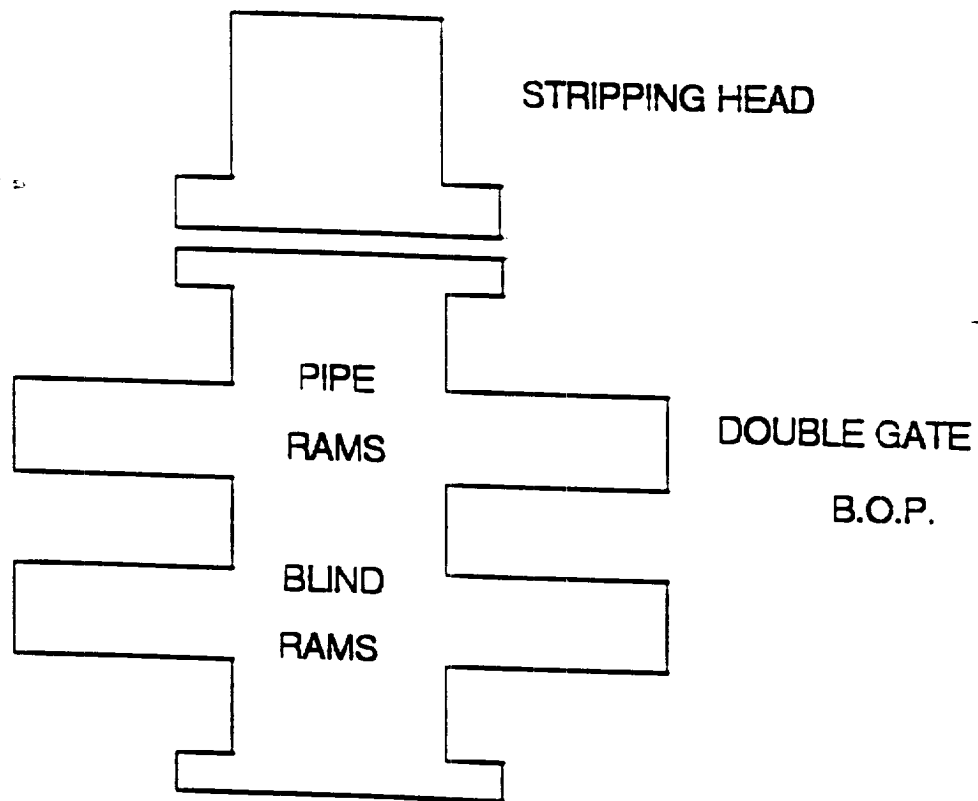
UNIT D SECTION 35 T29N-R09W
FRUITLAND COAL RECOMPLETION
DUAL COMPLETE WITH MESAVERDE



San Juan #20A
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 MV with water as needed. ND wellhead. NU BOP. TOOH with 2 3/8" tubing.
4. Set retrievable bridge plug at 2200'. Run CBL-CNL-GR-CCL.
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. TOOH.
8. Fracture stimulate coal formation.
9. TIH with 2 3/8" tubing with expendable check on bottom. Blow well with air.
10. Obtain and record gauges. When returns dry up, TOOH with 2 3/8" tubing.
11. Retrieve bridge plug. TIH with 2 3/8" tubing and production packer. Set packer at 2200' and land MV tubing at 4700.
12. TIH with 1 1/2" tubing and land Fruitland Coal tubing at 2060'.
13. 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