

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-03465
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 A.D. HUDSON
4. LOCATION OF WELL  990' FNL; 990' FEL	9. WELL NO. 1
14. DISTANCE IN MILES FROM NEAREST TOWN	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
	11. SEC. T. R. M OR BLK. SEC. 29, <del>107N</del> , 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.) 6288' DF	22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

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

RECEIVED

AUG 20 1990

8-3-90  
DATE

OIL CON. DIV

DIST. 3

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  
AUG 14 1990  
FOR Ken Townsend  
AREA MANAGER

NMOCD

# 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 DD, Aramis, 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 Company			Lease A. D. Hudson (NM-03465)		Well No. 1
Unit Letter A	Section 29	Township 27 North	Range 9 West	County San Juan	
Actual Footage Location of Well: 990 feet from the North line and 990 feet from the East line					
Ground level Elev. 6288'		Producing Formation Fruitland Coal	Pool Basin	Dedicated Acreage: 320 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hectare 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 commutation, 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 commutation, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

Not re-surveyed prepared  
from plat by Charles W. Dryden  
dated September 1950

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AUG 20 1990

OIL CON. DIV.  
DHT. 9

29

### 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

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.

8-2-90

Date Surveyed

Signature

Professional Surveyor



Certificate No.

Neale C. Edwards

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

# RECOMPLETION PROCEDURE

A. D. Hudson #1

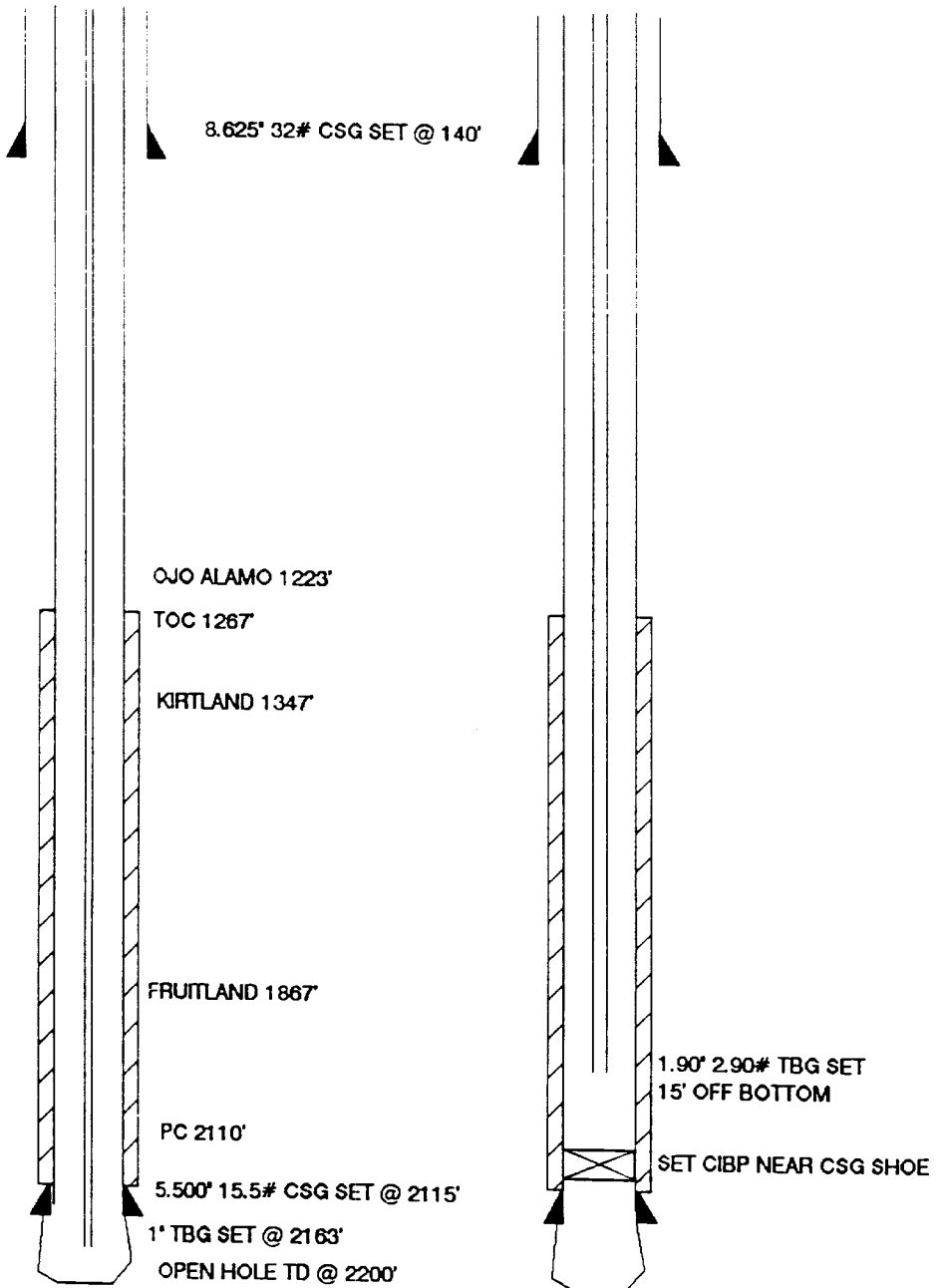
\*\*\*NO WORK IS TO BE PERFORMED OR EQUIPMENT TO BE LOCATED OFF APPROVED WELL PAD\*\*\*

1. Prepare location for workover. Install or replace anchors as necessary.
2. MOL with workover rig, hold safety meeting, install safety signs and proper fire equipment at strategic points. Comply with all BLM, NMOCD, and MOI regulations.
3. Rig up blow lines, record tubing and casing pressures and blow well down. NU 6" 3000 psi BOP and test. Load hole with water.
4. TOOH with tubing.
5. PU 5 1/2" casing scraper and TIH with 2 3/8" 4.7# J-55 EUE tubing. TOOH.
6. RU wireline unit and set 5 1/2" CIBP near casing shoe. Pressure test casing to 3000 psi for 15 minutes.
7. Run logs.
8. Perforate across Fruitland coal interval. Perforations to be picked from log.
9. TIH with 2 3/8" tubing and swab wellbore dry. Check well for gas flow. Evaluate well overnight. Check well for buildup pressure and gas flow.
10. RU to hydraulically fracture stimulate Fruitland coal. Hold safety meeting with all personnel on location. PT surface lines to 4000 psi. Fracture stimulate well.
11. TIH with tubing and clean out to CIBP.
12. When well is clean, land tubing. Swab well in. Rig down and release rig.
13. Shut well in for pressure build up. Obtain gas and water sample for analysis.

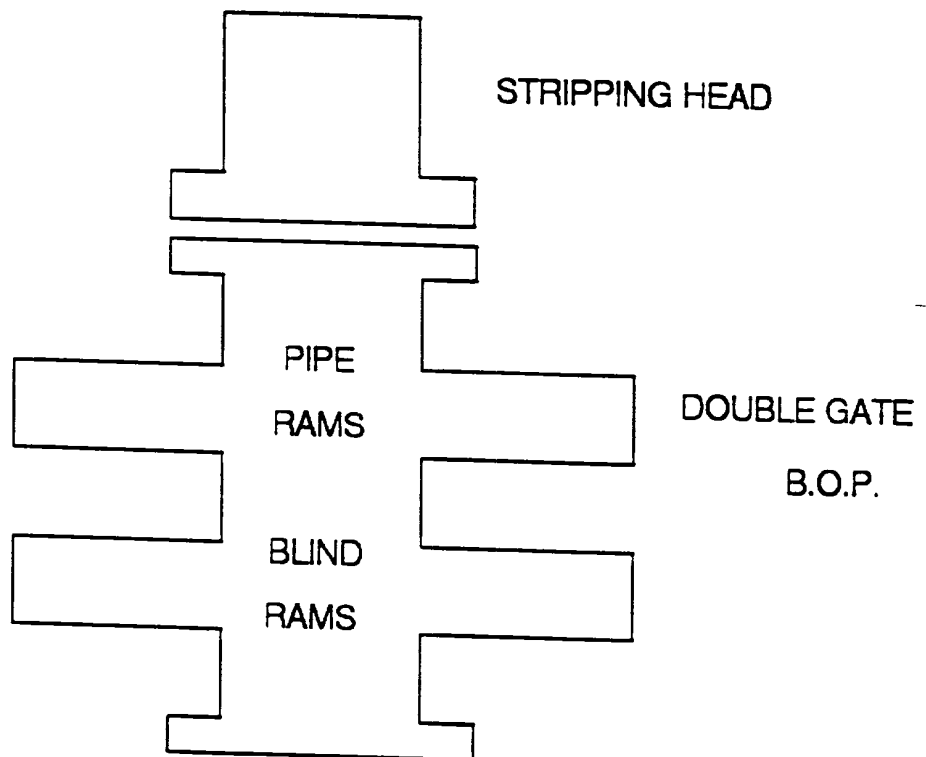
A. D. HUDSON #1  
WELLBORE DIAGRAMS

BEFORE R/C

AFTER R/C



# 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