

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-SF-077084
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 LACKEY HUBBELL
4. LOCATION OF WELL 990' FNL; 990' FEL	9. WELL NO. 2
14. DISTANCE IN MILES FROM NEAREST TOWN	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. SEC. 29, T28N, R10W
16. ACRES IN LEASE	12. COUNTY SAN JUAN
17. ACRES ASSIGNED TO WELL 320.00	13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. COMPL., OR APPLIED FOR ON THIS LEASE.	20. ROTARY OR CABLE TOOLS
21. ELEVATIONS (DF, FT, GR, ETC.) 6106' DF	22. APPROX. DATE WORK WILL START
23. PROPOSED CASING AND CEMENTING PROGRAM	
24. AUTHORIZED BY: <i>[Signature]</i> (SH) <i>[Signature]</i> REGULATORY AFFAIRS	

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)

Hold C-104 FOR N5L (E)

APPROVED
AUG 14 1990
Ken Townsend
FOR AREA MANAGER

NMOCD

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 Lackey-Hubbell (SF-077084)		Well No. 2
Unit Letter A	Section 29	Township 28 North	Range 10 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. 6106'	Producing Formation Fruitland Coal	Pool Basin	Dedicated Acreage: 320 Acres	

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

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 interest, has been approved by the Division.

Not re-surveyed prepared
from plat by A. M. Wiederkehr
dated 2-25-54.

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 Co

Company
8-3-90

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. 8-2-90

Date Surveyed

Neale C. Edwards
Signature
Professional Surveyor

NEW MEXICO
REGISTERED LAND SURVEYOR
6857
6857

Certificate No.
Neale C. Edwards

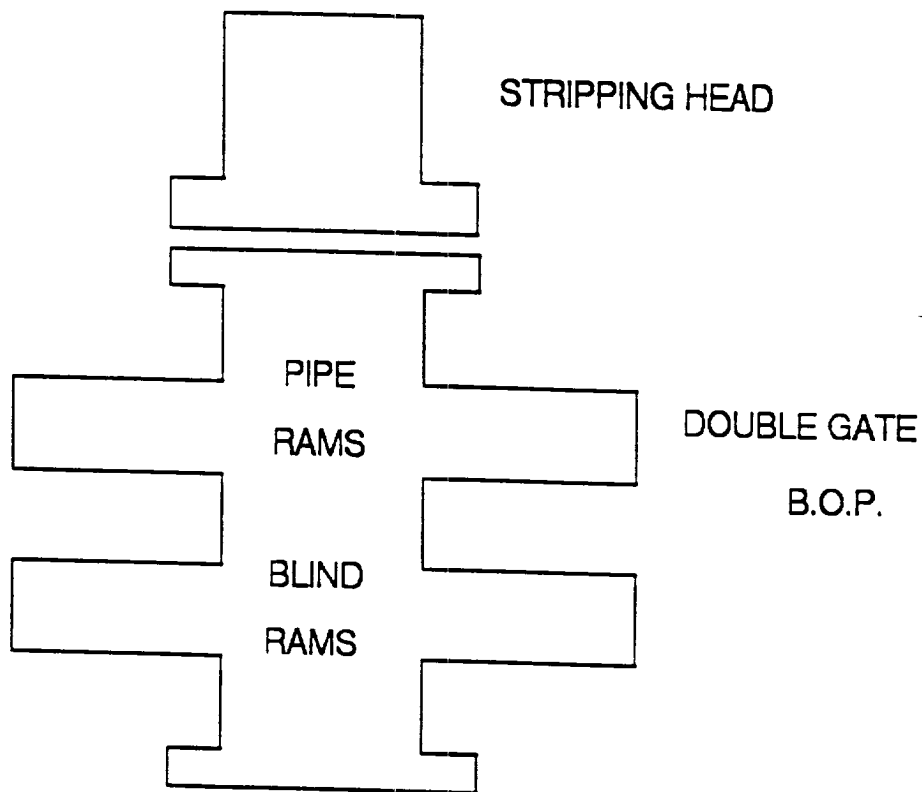
0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

RECOMPLETION PROCEDURE
LACKEY HUBBELL #2

NO WORK IS TO BE PERFORMED OR EQUIPMENT LOCATED OFF APPROVED WELLPAD

1. MOL and RU. ND wellhead. NU BOP. Load hole with water.
2. TOOH with tubing.
3. PU 4 1/2" casing scraper on 2 3/8" 4.7# J-55 EUE tubing and TIH. TOOH.
4. Run GR-CCL-CNL. Run CBL from 2159' to surface. Pick perforations from log.
5. Set a 4 1/2" CIBP above top PC perf. *Pressure test log & CIBP*
6. Perforate coal. Projected zones to be selected from CNL log run.
7. TIH with tubing and swab wellbore dry. Check well for gas flow. Evaluate well overnight. Check well for buildup pressure and gas flow.
8. TIH with tubing and clean out to CIBP.
9. Land tubing with an expendable check on bottom, and a common pump seating nipple one joint off bottom. Land tubing 10 feet above bottom perforation. Swab well in. Record final 30, 45, and 60 minute gauges on morning report. ND BOP. NU tree. RD and release rig.
10. Evaluate well's performance for possible fracture stimulation. A fracture stimulation procedure will be provided if necessary.

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

LACKEY HUBBELL #2 WELLBORE DIAGRAMS

BEFORE R/C

AFTER R/C

