

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Jicarilla Contract 446	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Southland Royalty Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Drawer 570, Farmington, New Mexico 87499		8. FARM OR LEASE NAME Jicarilla 446	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface SE/SW 1130' FSL & 1070' FWL		9. WELL NO. 2	
10. FIELD AND POOL OR WILDCAT Gavilan Pictured Cliffs Blanco Mesaverde		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 7, T27N, R3W	
12. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 40 Miles Southwest of Dulce, New Mexico		13. COUNTY OR PARISH Rio Arriba	
14. STATE New Mexico		15. NO. OF ACRES ASSIGNED TO THIS WELL 176/352.04	
16. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1070'		17. NO. OF ACRES IN LEASE 1359.20	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3000'		19. PROPOSED DEPTH 6450'	
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* August 1, 1985	
22. ELEVATIONS (Show whether DF, RT, GR, etc.) 7030' GL		23. DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED GENERAL Casing and Cementing PROGRAM	
24. SIZE OF HOLE 12-1/4" 8-3/4" 6-1/4"		25. SIZE OF CASING New 9-5/8" New 7" New 4-1/2"	
26. WEIGHT PER FOOT 32.30#, H-40 20#, K-55 10.50#, K-55		27. SETTING DEPTH 200' 4200' 6450'	
28. QUANTITY OF CEMENT 130 cu.ft. - Circulate to surface 205 cu.ft. - Cover Ojo Alamo 421 cu.ft. - Circ liner top			

Surface formation is San Jose.

Top of Ojo Alamo sand is at 3297'.

Top of Pictured Cliffs sand is at 3907'.

Fresh water will be used to drill from surface to Intermediate Total Depth, and an air system will be used to drill from Intermediate Total Depth to Total Depth.

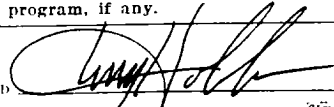
It is anticipated that an IES will be run from Intermediate TD to surface shoe, an GR-Density from Intermediate TD to top of Ojo Alamo, an GR-Induction from TD to Intermediate casing shoe and GR-Density from TD to top of Cliff House & any shows in Chacra formation.

No abnormal pressures or poisonous gases are anticipated in this well.

It is expected that this well will be drilled before October 1, 1985.

Gas is not dedicated.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED  TITLE Operations Engineer DATE 5-14-85

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED
AS AMENDEDAPPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

DATE

MAY 24 1985

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

(SGD.) MAT MILLENBACH
M. MILLENBACH
AREA MANAGER

NMOC

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

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

Operator SOUTHLAND ROYALTY COMPANY			Lease JICARILLA 446		Well No. 2
Unit Letter N	Section 7	Township 27N	Range 3W	County Rio Arriba	
Actual Footage Location of Well: 1130 feet from the South line and 1070 feet from the West line					
Ground Level Elev. 7030	Producing Formation Pictured Cliffs/Mesaverde		Pool Gavilan/Blanco		Dedicated Acreage: 176/352.04 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 _____

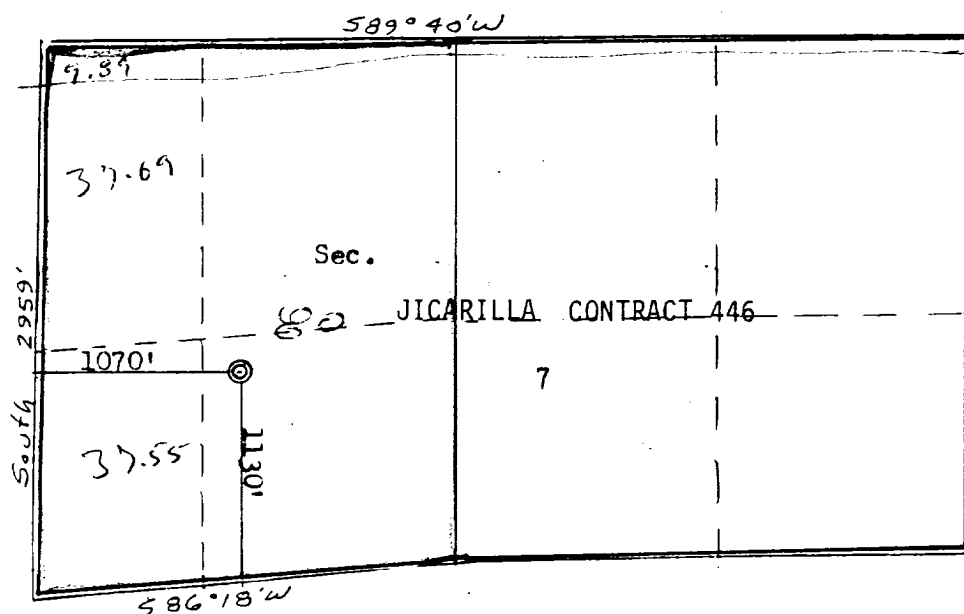
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

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.

RECEIVED

MAY 15 1985

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA



Scale: 1"=1000'

RECEIVED

MAY 29 1985

OIL CON. DIV.
DIST. 2

CERTIFICATION

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

Name
C. Terry Hobbs
Position
District Operations Engineer
Company
Southland Royalty Company
Date
May 14, 1985

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
May 6, 1985
Registered Professional Engineer and
Land Surveyor
Fred B. Kest Jr.
Certificate No. **3950**