

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPL
NM OIL CONS. COMM.
(Other instruction
Drawer DD reverse side)Form approved.
Budget Bureau No. 42-B1425.

C/SF

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. NM-58929	
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 21 Desta Drive, Midland, Texas 79705		8. FARM OR LEASE NAME Burton "4" Fed Com	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FNL & 1980' FEL, Sec. 4, T-20-S, R-29-E, C. D. At proposed prod. zone ARTESIA, OFFICE		9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 22 miles northeast of Carlsbad, N.M.		10. FIELD AND TOOL, OR WILDCAT Burton Flat (Strawn) East	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 1980'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 4, T-20-S, R-29-E	
16. NO. OF ACRES IN LEASE 320		12. COUNTY OR PARISH Eddy	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		13. STATE N.M.	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. NA		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DP, RT, GR, etc.) 3325.4' GR		22. APPROX. DATE WORK WILL START 4-30-85	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	600'	750 sx. Circulate
12 1/4"	8 5/8"	24 & 28#	3100'	2000 sx. Circulate
7 7/8"	5 1/2"	17#	11,800'	700 sx. TOC est @ + 7000'

Drill 17 1/2" hole & set 13 3/8" csg @ 600'. Circ cmt. Drill 12 1/4" hole & set 8 5/8" csg @ 3100'. Circ cmt. Dril to TD to tst Strawn, Morrow & intermediate horizons. If commercial, run 5 1/2" csg to TD. Cmt w/sufficient volume to bring above all prospective zones. Estimated TOC @ 7000'. Perf & stimulate Strawn & Morrow for production.

MUD PROGRAM: 0-600' spud mud; 600-3100' brine; 3100-10,000' cut brine; 10,000-TD cut brine, Drispac, X-C Polymer, 3% KCl. MW 9.1-9.3, VIS 32-36, 6 cc thru Strawn. BHP @ TD anticipated to be 4500 psi.

BOP PROGRAM: 13 3/8" 3M annular BOP tested to 1000 psi after setting 13 3/8" csg. 10"-3M BOP stack tested to 3000 psi after setting 8 5/8" & 5 1/2" csg. Test BOP w/Yellow Jacket, Inc. after setting 5 1/2". 8 5/8" - R.G.

GAS NOT DEDICATED

Posted ID-1
NL, API
11-8-85

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 Danell Roberts TITLE Operations Engineer DATE 4/18/85

(This space for Federal or State office use)

PERMIT NO. 003-501-0116-011 APPROVAL DATE 4-18-85APPROVED BY 1000-1000 TITLE 1000-1000

CONDITIONS OF APPROVAL, IF ANY:

DATE 4-18-85

*See Instructions On Reverse Side

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED