



SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 42-R1425.

Permit No. **64 430**  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

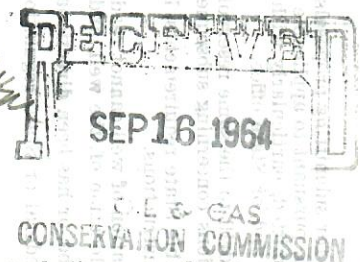
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. <b>C - 08107</b>
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME -----
2. NAME OF OPERATOR <b>Southland Royalty Co.</b>			7. UNIT AGREEMENT NAME -----
3. ADDRESS OF OPERATOR <b>1603 First National Bldg., Fort Worth, Texas</b>			8. FARM OR LEASE NAME <b>Federal</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface <b>660' FSL &amp; 1980' PSL Sec. 20 - T.9N - R.78W of 6P.M.</b> At proposed prod. zone <b>Approx. Same</b> <i>C NE SE</i>			9. WELL NO. <b>1</b>
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>Well is approximately 6 mi. East of Walden, Colorado</b>			10. FIELD AND POOL, OR WILDCAT <b>South McCallum Field</b>
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	<b>660'</b>	16. NO. OF ACRES IN LEASE <b>520</b>	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 20, T.9N-R.78W of 6 P.M.</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	<b>None</b>	19. PROPOSED DEPTH <b>7000'</b>	12. COUNTY OR PARISH <b>Jackson</b>
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>GR 8286'</b>		17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>	13. STATE <b>Colorado</b>
20. ROTARY OR CABLE TOOLS <b>Rotary all way</b>		22. APPROX. DATE WORK WILL START* <b>Sept. 25, 1964</b>	

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	8 5/8	24#-J-8	350+-	Circulate
7 7/8"	4 1/2 or 5#	14# or 15#	6700'	600' up from T.D.

We propose to set 350'+- of 8 5/8" new surface casing & circulate cement. Put on blowout preventer, pressure test casing & drill 7 7/8" hole to Muddy Sand Possible cores in Muddy Sd, Dakota Sd, & Lakota Sd, if productive set through & perforate for production.

DVR	agreed all
WRS	mtg per coming in - OK 9-17/64
HHM	plotted
JAM	
FJP	
JJD	
FILE	



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.

24. SIGNED <i>JRBurnett</i>		TITLE <b>Mgr. Production</b>	DATE <b>9-15-64</b>
(This space for Federal or State office use)			
PERMIT NO. _____		APPROVAL DATE <b>SEP 17 1964</b>	
APPROVED BY <i>W. Rogers</i>		TITLE <b>Director</b>	DATE _____
CONDITIONS OF APPROVAL, IF ANY:			