

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT R... VING
OFFICE FOR...
OF COPIES REQUIRED
(Other instructions on
reverse side)

30-015-26660
BLM Roswell District
Modified Form No.
NM060-3160-2
jll

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK			5. LEASE DESIGNATION AND SERIAL NO. LC-047800(a)	
1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
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"/>			7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Southland Royalty Company			8. FARM OR LEASE NAME Comanche Federal	
3. ADDRESS OF OPERATOR 21 Desta Dr., Midland, TX 79705			9. WELL NO. 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 2180' SJS 2310' FSL & 1980' FEL At proposed prod. zone			10. FIELD AND POOL, OR WILDCAT Shugart (Delaware)	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 9 miles southeast of Loco Hills, NM			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 12, T18S, R31E	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1980'			12. COUNTY OR PARISH Eddy	
16. NO. OF ACRES IN LEASE 160			13. STATE NM	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40				
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N.A.			20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show Whether DF, RT, GR, ETC.) 3765 3860 GR.			22. APPROX. DATE WORK WILL START* 01 April 1991	

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O. C. D.
ARTESIA OFFICE

23. PROPOSED CASING AND CEMENTING PROGRAM						
HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24	K-55	STC	400'	275 sx-Circ.
7-7/8"	5-1/2"	15.5	K-55	STC	6100'	1375 sx-Circ.

Drill 12-1/4" hole to 400' & set 8-5/8" csg. Cmt w/275 sx--circulate.
Drill 7-7/8" hole to 6100' & set 5-1/2" csg. Cmt w/1375 sx--circulate.
MUD PROGRAM: 0-400', fresh water gel & lime; 400'-6100', salt water w/MW 9.8-10.2. No abnormal pressures or temperatures expected.
BOP PROGRAM: 10"-3M BOP stack to be installed on 8-5/8" and left for remainder of drilling. Stack to consist of annular BOP, blind ram BOP, and one pipe ram BOP. Test BOP's using and independent tester after setting the 8-5/8" csg.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

Part ID-1
3-15-91
New Lax API

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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 Richard L. Bradshaw TITLE Sr. Staff Env./Reg. Specialist DATE 21 January 1991

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Orig. Signed by Richard L. Bradshaw AREA MANAGER

APPROVED BY _____ TITLE CARLEAD RESOURCE AREA DATE 3-4-91

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side