

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Artesia, NM 88210

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☐DEEPEN ☐PLUG BACK ☒

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Southland Royalty Company ✓

## 3. ADDRESS OF OPERATOR

1100 Wall Towers West, Midland, Texas 79701

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

660' FNL &amp; 1980' FEL, SEC. 35, T-10-S, R-29-E

At proposed prod. zone

Same

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

33 miles East of Roswell, N.M.

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

660'

## 16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

N.A.

## 19. PROPOSED DEPTH

9450'

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3965.6' GR

## 22. APPROX. DATE WORK WILL START\*

3-24-82

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	11 3/4"	42#	355'	450 SXS.
11"	8 5/8"	24#	2650'	1875 SXS.
7 7/8"	4 1/2"	11.6#	9450'	600 SXS. TOC @ 8100'

1. RU & run Acoustic Cmt Bond log w/Gamma Ray Collar log from 9000-7000'. Determine quality of cmt bond adjacent to zone @ 8120'. A block squeeze will be necessary if not a good bond.
2. GIH w/CIBP & set @ 9030'. Dump 35' cmt on same.
3. GIH w/tbg & circ hole clean w/2% KCL wtr. Test plug back to 5000#.
4. PU to 8120' & spot 200 gal inhibited 10% acetic acid & POOH.
5. RU & tie in w/previous GR-CCL log. Perf Cisco from 8118-28' (21 holes).
6. GIH w/pkr, on/off tool & tbg to 8020'. Reverse acid into tbg & set pkr. NU WH & displace acid into formation. Swab & test.
7. Acidize Cisco (8118-28') w/6000 gals Super Sol-20 acid @ 4 BPM @ an anticipated treating pressure of 3000 psi. Pressure backside to 500 psi & use 18 RCNBS as a diverting agent.
8. Shut-in for 1 hr & swab back load to test.

Verbal Approval on Recompletion Procedure given by Peter Chester of the U.S.G.S. 3/10/82.

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

(This space for Federal or State use)

PERMIT NO.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

District Operations Engineer

DATE 3-22-82

APPROVAL DATE

TITLE

DATE

MAR 23 1982  
FOR  
JAMES A. GILLHAM  
DISTRICT SUPERVISOR

\*See Instructions On Reverse Side

## 5. LEASE DESIGNATION AND SERIAL NO.

NM-16804

## 6. IF INDIAN, ALLOTTEE OR TRIBAL

RECEIVED

## 7. UNIT AGREEMENT NAME

MAR 25 1982

## 8. FARM OR LEASE NAME

O. C. D.

## 9. WELL NO.

ARTESIA, OFFICE

1

## 10. FIELD AND POOL, OR WILDCAT

Undesignated (Cisco)

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

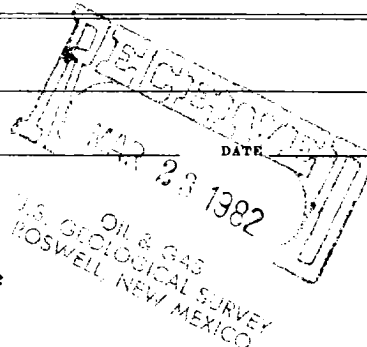
Sec. 35, T-10-S, R-29-E

## 12. COUNTY OR PARISH

Chaves

## 13. STATE

N.M.



**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 <b>Southland Royalty Company</b>			Lease <b>Sand Ranch</b>		Well No. <b>2</b>
Unit Letter <b>B</b>	Section <b>35</b>	Township <b>10 South</b>	Range <b>29 East</b>	County <b>Chaves</b>	
Actual Footage Location of Well: <b>660</b> feet from the <b>north</b> line and <b>1980</b> feet from the <b>east</b> line					
Ground Level Elev. <b>3965.6'</b>	Producing Formation <b>Morrow</b>	Pool <b>Undesignated</b>		Dedicated Acreage: <b>320</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 Communitization

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.

<p>Southland Royalty Company (Depco) 16804</p>	<p>Southland Royalty Company (Depco) 16804</p> <p>660' ——— 1980'</p>
<p>U.S. ————— U.S.</p>	

<b>CERTIFICATION</b>	
<p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>CC Parsons</i></p>	
Name	_____
Position	<b>District Operations Engineer</b>
Company	<b>Southland Royalty Company</b>
Date	<b>12-10-81</b>
<p>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.</p>	
Date Surveyed	<b>12-4-81</b>
Registered Professional Engineer and Land Surveyor	<i>John W. West</i>
<p>Certified to <b>JOHN W. WEST</b>    673 PATRICK A. BOWEN, R.R. 1</p>	