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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

OCT 22 1982

O. C. D.

ARTESIA OFFICE

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

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		8. Farm or Lease Name	
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		J.E.B. Stuart "13" Com.	
2. Name of Operator Southland Royalty Company ✓		9. Well No. 1	
3. Address of Operator 21 Desta Drive, Midland, Texas 79701		10. Field and Pool, or Wildcat Angel Ranch (Atoka-Morrow)	
4. Location of Well UNIT LETTER J LOCATED 1980 FEET FROM THE East LINE AND 1980 FEET FROM THE South LINE OF SEC. 13 TWP. 19S RGE. 27E NMPM		12. County Eddy	
19. Proposed Depth 10,888'		19A. Formation Upper Morrow	
20. Rotary or C.T. N.A.		21. Elevations (Show whether DF, RT, etc.) 3489.1' GR	
21A. Kind & Status Plug. Bond		21B. Drilling Contractor N.A.	
22. Approx. Date Work will start 11-15-82			

23.

### PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17½"	13 3/8"	48#	297'	300 sx.	Surface
12¼"	9 5/8"	36#	2397'	850 sx.	Circ.
8 3/4"	4 1/2"	11.6 & 13.5#	10,888'	950 sx.	TOC @ 7210'

- MIRU CU, kill well. NU BOP. POH w/tbg & pkr.
- GIH w/cement retainer on tbg & set @ 10,520'. Squeeze Lower Morrow perms w/100 sx Class "H" cmt. Pull out retainer & leave 35' of cmt on retainer. Reverse out excess cmt. Pull up hole & WOC.
- Lower stinger & tag up. Circ hole clean w/2% KCl wtr containing HOWCO additives 2 gal/1000 CLA-STA and 1 gal/1000 LO-SURF 259. Spot 300 gals inhibited 10% acetic acid across zone to be perforated. POH.
- Perforate the Upper Morrow w/3 1/8" decentralized casing guns @ 2 JSPF from 10,366-77' (23 shots) and 10,405-15' (21 shots), shooting the upper zone first. POH.
- GIH w/pkr, on-off tool & tbg. Reverse acid into tbg & set pkr. Displace acid into formation, swab back load & test.
- RU HOWCO, install tree saver & pressure up backside to 1500#. Acidize Morrow w/3500 gals 7½ Morrow-Flo BC acid containing 2 gal/1000 FR-24 and 1000 SCF/bbl of Nitrogen in addition to standard additives. Pump acid & N<sub>2</sub> dropping 65 - 1.3 SP GR 7/8" RCN ball OVER--

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, GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed F. N. Clements Title District Operations Engineer Date 10/21/82

(This space for State Use)

Original Signed By  
Leslie A. Clements

APPROVED BY Supervisor District II TITLE  DATE NOV 18 1982

CONDITIONS OF APPROVAL, IF ANY:

sealers evenly spaced throughout the treatment. Flush acid to perfs w/treated 2% KCl water and  $N_2$ . If ballout occurs, surge well to release ball sealers and pump away remaining acid.

7. Shut well in to remove tree saver, open well to flow & test.

The above recompletion procedure was verbally approved by Les Clements of the Artesia NMOCD office on 9/3/82.