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NEW MEXICO OIL CONSERVATION COMMISSION

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SEP 18 1979

O. C. C.
ARTESIA, OFFICE

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE ☒ FEE ☐

5. State Oil & Gas Lease No.
648

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"/>		7. Unit Agreement Name -
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name State "32" Com.
2. Name of Operator Southland Royalty Company ✓		9. Well No. 1
3. Address of Operator 1100 Wall Towers West, Midland, Texas 79701		10. Field and Pool, or Wildcat Undesignated (Morrow)
4. Location of Well UNIT LETTER B LOCATED 660' FEET FROM THE north LINE AND 1980' FEET FROM THE east LINE OF SEC. 32 TWP. 19S RGE. 28E NMPM		12. County Eddy
19. Proposed Depth 11,500		19A. Formation Morrow
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DB, KI, etc.) 3366.9' GR		21A. Kind & Status Plug. Bond Blanket
21B. Drilling Contractor Hondo Drlg Co. Rig #3		22. Approx. Date Work will start 9-19-79

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
15"	11 3/4"	42#	350	375 sx.	Circ.
11"	8 5/8"	24#	2600	1300 sx.	Circ.
7 7/8"	4 1/2"	11.6#	11,500	1000 sx.	8000'

Set surface csg @ 350' at T/salt, circ. cement. Drill 11" hole w/brine wtr. to prevent washout to 2600'. Run 8 5/8" csg to 2600', circ cement. Drill 7 7/8" hole w/fresh wtr to 7500', add brine wtr to raise mud wt. Drill to TD of 11,500' to test Morrow and intermediate horizons. If commercial will run 4 1/2" csg to TD. Cement w/sufficient volume to bring cement above all prospective zones. Estimated T/cmt will be 8000'. Perf and stimulate Morrow for production.

Mud Program: 0-350' spud mud; 350-2600' 10# brine water; 2600-7500' fresh wtr.; 7500-9500' 9.5# cut brine wtr; 9500-TD starch, gel, flosal, Drispac 10.0# vis 36-40 wl cc through Morrow. Bottom hole pres. @ TD anticipated to be 4500 psi. Gas separator on mud system to be installed @ 4000'. BOP Program: BOP to be installed on 11 3/4" csg: double 10" Ser 900, BOP to be installed on 8 5/8" csg: double 10" Ser 900 plus 10" Ser 900 Hydril plus Drlg Head. Test w/Yellow Jacket, Inc. after setting 8 5/8". Test BOP daily.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES 12-19-79

GAS IS NOT DEDICATED.

Amended application to show change in operator

Lease name and Casing Program.

Formerly Hondo Oil & Gas Co. State DB Com #1

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 C. Harvey Cam Title District Engineer

Date 9-12-79

(This space for State Use)

SUPERVISOR, DISTRICT II

SEP 19 1979

APPROVED BY W. A. Gussert TITLE DATE

CONDITIONS OF APPROVAL, IF ANY: