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NEW MEXICO OIL CONSERVATION COMMISSION

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ARTESIA, OFFICE

30-005-60811
Form C-101
Revised 1-1-65

Amended for Location!!!

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"/> | | 8. Farm or Lease Name Hagerman (West) 22 | |
| 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 (Wildcat) | |
| 4. Location of Well UNIT LETTER <u>K</u> LOCATED <u>1830</u> FEET FROM THE <u>South</u> LINE AND <u>1980'</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>22</u> TWP. <u>14-S</u> RGE. <u>26-E</u> NMPM | | 12. County Chaves | |
| 19. Proposed Depth 7300' | | 20. Rotary or C.T. Rotary | |
| 21A. Kind & Status Plug. Bond Blanket | | 22. Approx. Date Work will start April 15, 1981 | |

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# | 400' | 350 sx | Surface |
| 11" | 8 5/8" | 24# | 1350' | 650 sx | Surface |
| 7 7/8" | 4 1/2" | 10.5&11.6 | 7300' | 800 sx | 5400' |

Drill 15" hole to 400'. Set csg @ 400'; Circ cmt. Drill 11" hole w/wtr to depth of 1350'. Set csg @ 1350'; Circ cmt. Drill 7 7/8" hole to 7300' w/fresh wtr; Add brine wtr only as needed to raise mud wt. Drill to TD to 7300' to test Morrow & intermediate zones. Run 4 1/2" csg to TD. Cmt w/sufficient volume to cover all prospective zones. Est. top of cmt @ 5400'. Perf. & stimulate Morrow for production. MUD PROGRAM: 0-400', spud mud; 400'- 1350' water; 1350-5900' water; 5900'-TD, Gel, 5% Oil, 3% KCL. Vis 35-40, 15-20cc fluid loss thru Morrow. BHP @ TD anticipated to be 3500 psi. No abnormal pressure expected. BOP PROGRAM: BOP to be tested after installation on 8 5/8" csg by Yellow Jacket, Inc. Gas Not Dedicated

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 10-14-81
UNLESS DRILLING UNDERWAY

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 CC. Parsons Title District Operations Engineer Date April 10, 1981

(This space for State Use)

APPROVED BY W.A. Gressett TITLE SUPERVISOR, DISTRICT II DATE APR 14 1981

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to surface within 11 3/4" 28 5/8" ca.

Notify N.M.O.C.C. in sufficient time to witness cementing on 8 5/8"

N MEXICO OIL CONSERVATION COMMISS
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.

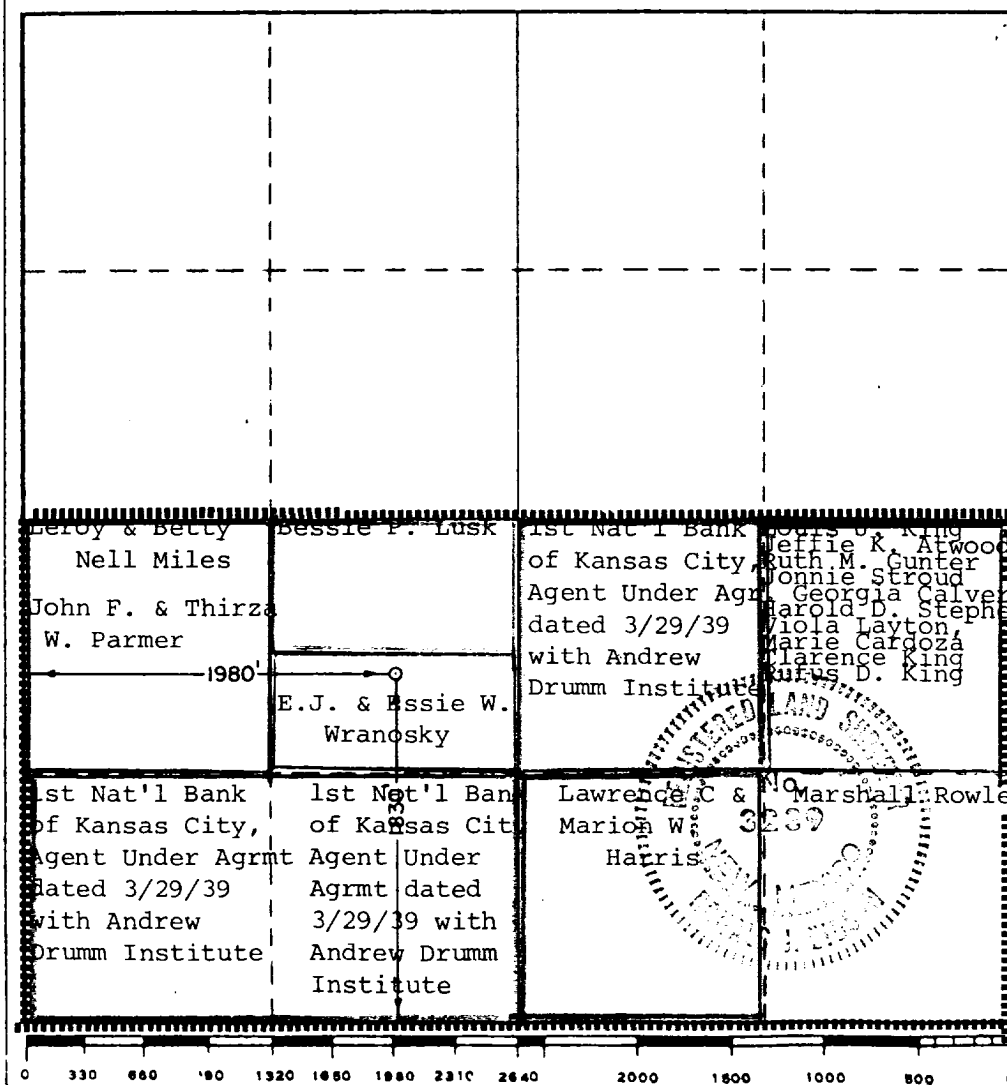
| | | | | | |
|--|---------------------------------------|-----------------------------|----------------------------------|--|----------------------|
| Operator SOUTHLAND ROYALTY | | | Lease HAGERMAN WEST 22 | | Well No. 1 |
| Unit Letter K | Section 22 | Township 14 SOUTH | Range 26 EAST | County CHAVES | |
| Actual Footage Location of Well: 1830 feet from the SOUTH line and 1980 feet from the WEST line | | | | | |
| Ground Level Elev. | Producing Formation Wildcat | | Pool Undesignated | Dedicated Acreage: 320 Acres | |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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?

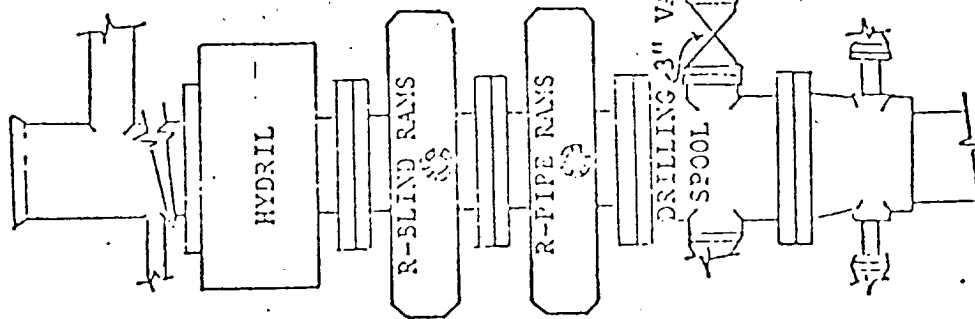
☐ Yes ☐ No If answer is "yes," type of consolidation _____

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.



| | |
|---|---|
| CERTIFICATION | |
| I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. | |
| Name | <i>CC Parsons</i> |
| Position | District Operations Engineer |
| Company | Southland Royalty Company |
| Date | 4/10/81 |
| 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. | |
| Date Surveyed | APRIL 10, 1981 |
| Registered Professional Engineer and/or Land Surveyor | |
| <i>Ronald J. Eidson</i> | |
| Certificate No. | JOHN W. WEST 878 PATRICK A. ROMERO 8465 Ronald J. Eidson 3239 |



BLOW OUT PREVENTION EQUIPMENT
 10" 900s ALL FLANGED CONNECTIONS
 3,000# WORKING PRESSURE - 6,000# TEST

