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NEW MEXICO OIL CONSERVATION COMMISSION

JUL 21 1978

D. C. C.
ARTESIA, OFFICE

30-015-22625
Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	STATE ☒ FEE ☐
5. State Oil & Gas Lease No.	L-6654

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL ☒ DEEPEN ☐ PLUG BACK ☐		7. Unit Agreement Name -
b. Type of Well OIL WELL ☐ GAS WELL ☒ OTHER ☐		8. Name of Lease Name State "19" Comm.
2. Name of Operator Southland Royalty Company		9. Well No. 2
3. Address of Operator 1100 Wall Towers West, Midland, TX 79701		10. Field and Type of Well Indesignated, (Morrow)
4. Location of Well UNIT LETTER N LOCATED 860 FEET FROM THE south LINE AND 2057 FEET FROM THE west LINE OF SEC. 19 TWP. 19-S RGE. 28-E		11. County Eddy
12. Proposed Depth of Well 11,200'		13A. Formation Morrow
13B. Rotary or C.G. Rotary		14. Approx. Date Well will start 8-1-78
21. Elevation (show whether D.P., R.L., etc.) 3493' GR		22. Kind of Cement to be used Blanket
23. Drilling Contractor Hondo Drilg. Co. Rig #5		

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	13 3/8"	48#	430'	430	Circ.
11"	8 5/8"	24#	2450'	800	Circ.
7 7/8"	5 1/2"	17#	11,200'	1000	7000'

Propose to set 13 3/8" csg @ 430', circ cement. Set 8 5/8" into San Andres, circ cement. Drill to TD of 11,200' to test Morrow and intermediate horizons. If commercial will run 5 1/2" csg to TD, cement w/sufficient cement to bring cement back to 7000'. Will run cement staging tool @ 9900' if intermediate horizons productive to obtain better cement over intermediate zone. Perforate and stimulate Morrow for single zone completion.

Mud Program:

0-430' sand mud; 430-2450' brine water, paper; 2450-7500' fresh water, 7500-9500' cut brine water and gel 9.3, Vis 30; 9500-11,200' TD starch, gel, Flosal, Drispac 9.5 to 9.8, Vis 36-40, WL 3-4 through Morrow. No abnormal pressures are expected.

BOP Program:

BOP will be installed on 13 3/8", double 10" Ser 900 BOP on 8 5/8" csg, install double 10" Ser 900 plus 10" Ser 900 Hydril BOP to be tested daily.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODU-
TIVE ZONE. GIVE BLOCKED PREVENTION 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 Carr Title District Engineer Date July 19, 1978

(This space for State Use)

APPROVED BY W. C. Gossert TITLE SUPERVISOR, DISTRICT II DATE JUL 25 1978

CONDITIONS OF APPROVAL, IF ANY:

Casing must be cemented to
surface behind 13 3/8" & 8 5/8" casing

L-6654

B-9189

JUL 26 1978

SOUTHLAND ROYALTY COMPANY

Date

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-100
Effective 1-1-67

All distances must be from the outer boundaries of the Section

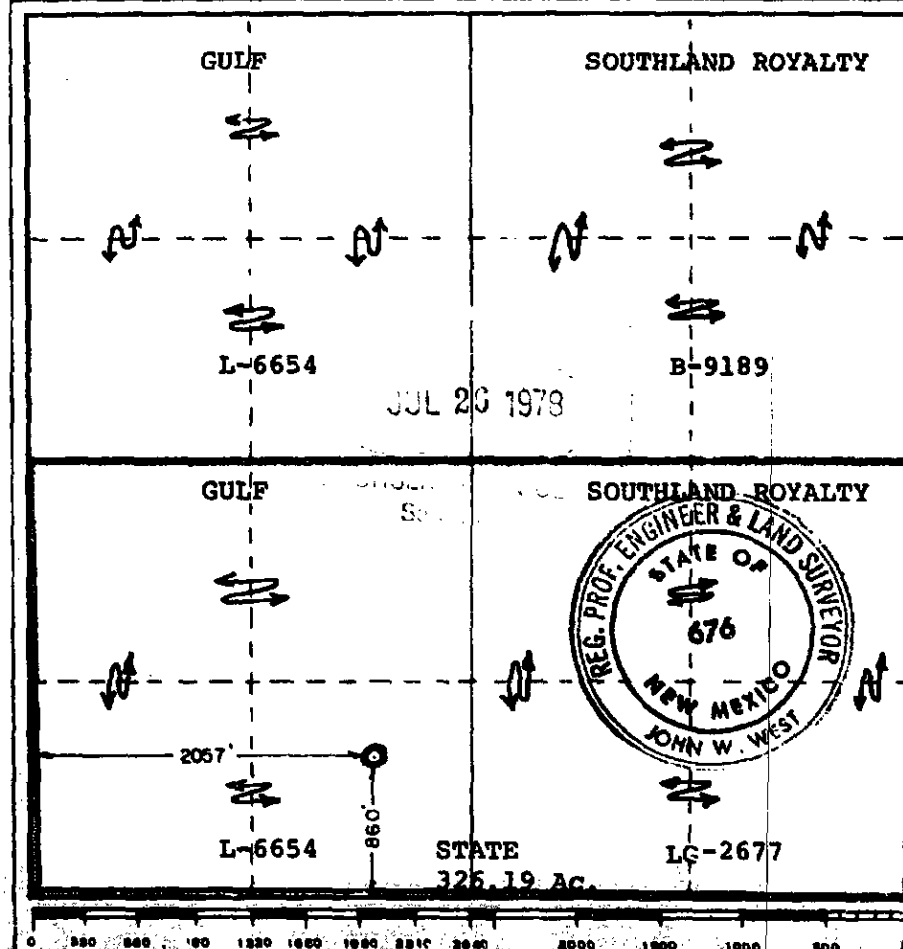
Operator Southland Royalty Co.		Lease State 19 Comm.		Well No. 2
Unit Letter N	Section 19	Township 19 South	Range 28 East	County Eddy
Actual Footage Location of Well: 860 feet from the South line and 2057 feet from the West line				
Ground Level Elev. 3493	Producing Formation MORROW	Pool Undesignated	Dedicated Acreage: 326.19 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.



CERTIFICATION

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

Name
C. Harvey, Can

Position
District Engineer

Company
SOUTHLAND ROYALTY COMPANY

Date
July 19, 1978

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.

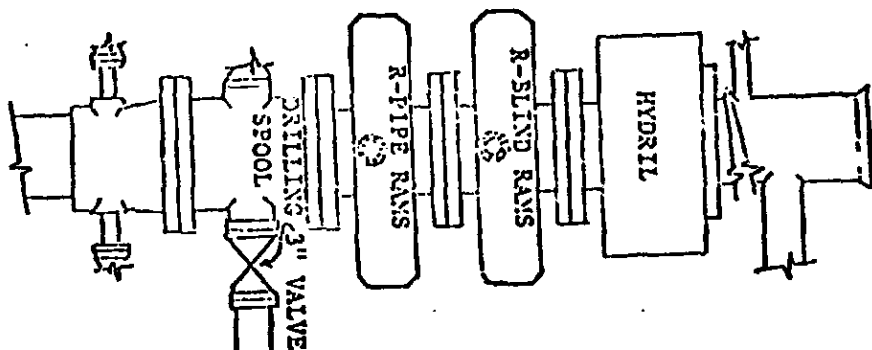
March 13, 1978

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

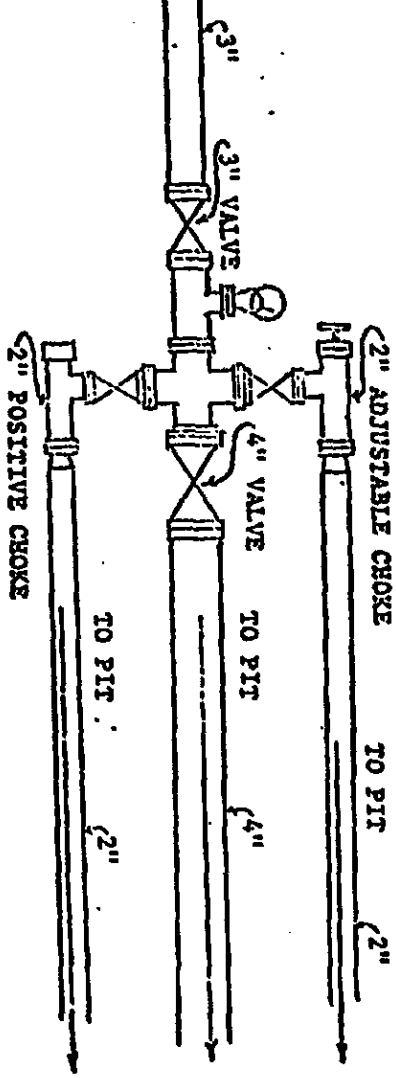
John W. West

Certificate No. **John W. West 676**
Ronald J. Eichen 3238



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

CONTRACTOR: Hondo Drilling Company, Rig No. 5



ATTACHMENT TO FORM C-101

SKETCH OF BOP EQUIPMENT
 Southland Royalty Company
 State "19" Comm. Well No. 2
 860' FSL & 2057' FWL
 Section 19, T-19-S, R-28-E
 Eddy County, New Mexico