

30-015-24586

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 ☐

2. NAME OF OPERATOR

Southland Royalty Company

3. ADDRESS OF OPERATOR

21 Desta Drive, Midland, Texas 79701

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

At surface

330' FWL & 330' FNL, Sec. 27, T-18-S, R-31-E

At proposed prod. zone

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

12 miles southeast of Loco Hills, New Mexico

15. DISTANCE FROM PROPOSED*

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

330'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1900'

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

3680.7' GR

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	700'	400 sx. Circulate
7 7/8"	4 1/2"	10.5#	4500'	Volume may vary w/upper zone develop- ment. (TOC by Temp survey) CIRCULATE

Set 8 5/8" surface csg @ 700'. Circ cmt. Dril 7 7/8" hole to TD. Circ cmt. Test Grayburg and intermediate horizons. If commercial, run 4 1/2" csg to TD. Cmt w/sufficient volume to bring above all prospective zones. Est TOC @ Surf. Perf & stimulate Grayburg for production.

MUD PROGRAM: 0-700' Native mud; 700-3200' brine wtr; 3200-4500' Salt gel & starch. MW 10, VIS 40, FL 10 cc. BHP @ TD expected to be 1600 psi.

BOP PROGRAM: BOP to be installed on 8 5/8" Double 10" Ser 900 plus 10" Ser 900 Hydril plus drillinghead. Test BOP w/Yellow Jacket, Inc. after setting 8 5/8". Test BOP @ 2000', 3500' & 4000'.

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

TITLE District Operations Engineer DATE 8/1/83

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY

*See Instructions On Reverse Side

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
 Supersedes C-128
 Effective 1-1-65

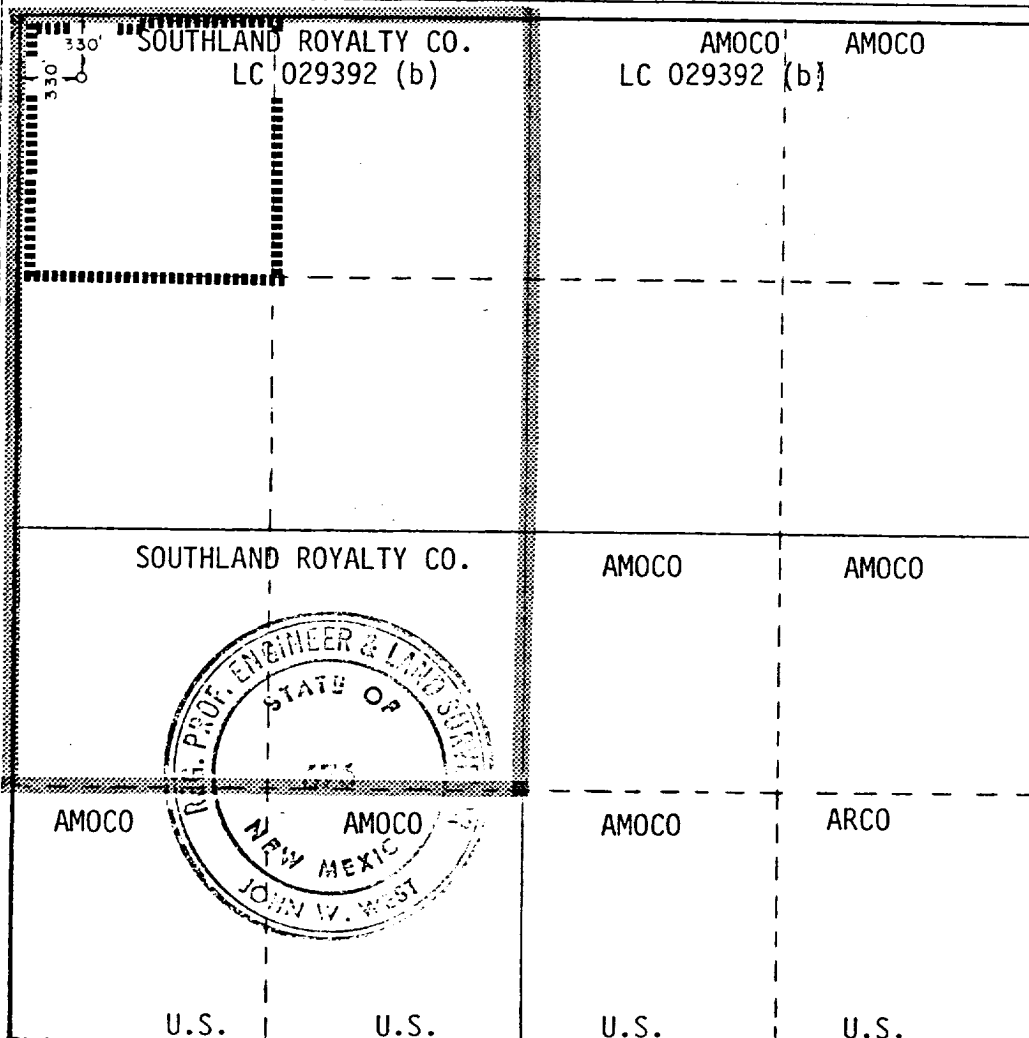
All distances must be from the outer boundaries of the Section

Operator Southland Royalty Co.			Lease Hinkle "F"		Well No. 10
Unit Letter D	Section 27	Township 18 South	Range 31 East	County Eddy	
Actual Footage Location of Well: 330 feet from the north line and 330 feet from the west line					
Ground Level Elev. 3680.7'	Producing Formation Shugart	Pool (Yates, Queen, 7 Rivers, Grbg)		Dedicated Acreage: 40 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.

F. N. Rad

Name

F. N. Rad

Position

District Operations Engineer

Company

Southland Royalty Company

Date

8/1/83

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

July 26, 1983

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. **JOHN W. WEST,**

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RONALD J. EIDSON, 3239

SOUTHLAND ROYALTY COMPANY

Hinkle "F" No. 10
330' FNL & 330' FWL
Sec. 27, T-18-S, R-31-E
Eddy County, New Mexico
LC-029392 (b)

To supplement USGS Form 9-331C "Application to Drill" the following additional information is submitted concerning questions on Page 5 of NTL-6:

1. See Form 9-331C.
2. See Form 9-331C.
3. The geological name of surface formation is: Ochoa
4. See Form 9-331C.
5. See Form 9-331C.
6. The estimated tops of important geological markers are:

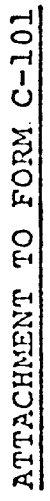
Anhydrite	620'	Seven Rivers	2550'
Salt	750'	Queen	3260'
Base Salt	1950'	Penrose	3520'
Yates	2120'	Grayburg	3580'

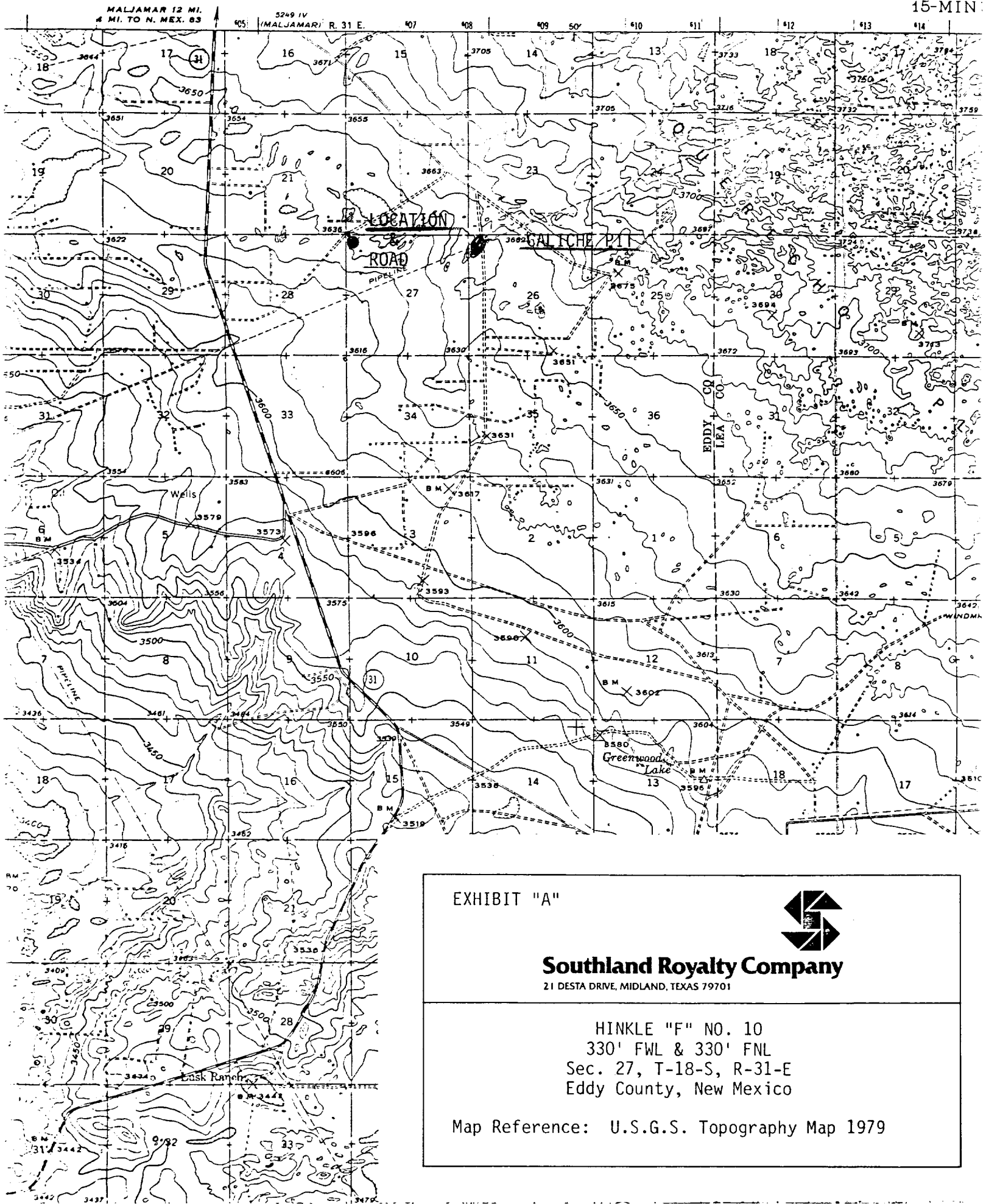
7. The estimated depths at which anticipated water, oil, gas and mineral bearing strata are as follows:

Yates	2120' (Gas)
Seven Rivers	2550' (Oil)
Queen	3260' (Oil)
Penrose	3520' (Oil)
Grayburg	3580' (Oil)

8. See Form 9-331C. All casing will be new.
9. See Form 9-331C for depths of strings. Cement volumes and additions as follows:
 - a. 8 5/8" csg: Cement w/700 sxs Lite cmt w/2% CaCl and 200 sx Class "C" w/2% CaCl. Circulate to surface.
 - b. 4 1/2" csg: Cement 1st stage w/470 sx Class "C" 50/50 Pozmix "A". Cement 2nd stage w/300 sx Lite & tail-in w/100 sx Class "C" w/4% CaCl. Circulate cmt to surface. Caliper log to be run in conjunction w/ Open Hole *NGT-CN-CD-Caliper-GR-DLL-RX0.
10. The pressure control diagram is attached to Form 9-331C. The following additional information is as follows:

8 5/8" casing installation: 10" Ser 900 3000 psi double hydraulic pipe and blind rams plus 10" Ser 900 3000 psi Hydril plus 10" Ser 900 3000 spi Rotating Head.







ACCESS ROAD

FUTURE STORAGE TANKS



100'

FUTURE FLOWLINE

WELLBORE

135'

20'

FUTURE GAS SEP. UNIT

PORTABLE STEEL
MUD PITS

TRASH & JUNK PIT

TO FUTURE
GAS SALES
LINE

120'

RESERVE PIT
(PLASTIC LINER)

120'

120'

EXHIBIT "C"



Southland Royalty Company

21 DESTA DRIVE, MIDLAND, TEXAS 79701

HINKLE "F" NO. 10
330' FWL & 330' FNL
Sec. 27, T-18-S, R-31-E
Eddy County, New Mexico

Scale 1" = 40'