

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 79705

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface: 385' FNL & 1325' FEL, Sec. 27, T-17-S, R-29-E
At proposed prod. zone: 385' FNL & 1325' FEL, Sec. 27, T-17-S, R-29-E

5. LEASE DESIGNATION AND SERIAL NO.
LC-028775-B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Robinson-Jackson Ut. Tr. 2A

9. WELL NO.
33

10. FIELD AND POOL, OR WILDCAT
Grayburg-Jackson (Keely)

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA
Sec. 27, T-17-S, R-29-E

12. COUNTY OR PARISH
Eddy

13. STATE
N.M.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
4 miles southwest of Loco Hills, New Mexico

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
385'

16. NO. OF ACRES IN LEASE
240

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
700'

19. PROPOSED DEPTH
3600'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3573'

22. APPROX. DATE WORK WILL START
3-14-88

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH ⁵⁷⁵	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24	400' → 250'	250 sx. C1 "C", Circulate
7 7/8"	5 1/2"	15.5	3600'	600 sx. Lite + 200 sx C1 "C" Circulate

Drill 12 1/4" hole to 400'. Set 8 5/8" csg @ 400'. Circulate. Drill 7 7/8" hole to TD to test Keely. If commercial, run 5 1/2" csg to 3600'. Cmt w/sufficient volume to bring above all prospective zones. Circulate. Perf & stimulate Keely for production.

MUD PROGRAM: 0-400' spud mud; 400-2350' brine water; 2350-TD brine gel. MW 9.5-10.2, VIS 34-38 20-40 cc.

BOP PROGRAM: 11"-3M stack to be installed on 8 5/8" and left on for remainder of drilling. Stack to consist of annular BOP, blind ram BOP and one pipe ram BOP. Test BOP's and 8 5/8" csg to 1000 psi prior to drilling below 8 5/8" csg shoe.

POST ID #1
NL-API
3-11-88

Well #2 will be shut in and not produced at same time as #33 if #33 is productive.

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 Cathy Rohes TITLE Operations Tech III DATE 1/29/88
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE 3-2-88
CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions On Reverse Side

All distances must be from the outer boundaries of the Section.

Operator MERIDIAN OIL COMPANY			Lease ROBINSON JACKSON UNIT TR 2A		Well No. 33
Unit Letter B	Section 27	Township 17 South	Range 29 East	County Eddy	
Actual Footage Location of Well: 385 feet from the north line and 1325 feet from the east line					
Ground Level Elev. 3573'	Producing Formation Keely SAN ANDRES		Pool Grayburg-Jackson SR-P-G-SA		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 Division.

SECTION 28	JACK PLEMMON B-7596		SECTION 22 SOUTHLAND ROYALTY COMPANY 028776		SECTION 19
	State		ARCO		
	TENNECO B-10714		SOUTHLAND ROYALTY COMPANY 028775		
STATE		U. S.		U. S.	

385

1325

SECTION 28

SECTION 19

SECTION 14

0 300 600 900 1320 1650 1980 2310 2640 2000 1500 1000 500 0

CERTIFICATION

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

Cathy Nokes

Name
Cathy Nokes

Position
Operations Tech III

Company
Southland Royalty Company

Date

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.

December 21, 1987

Date Surveyed

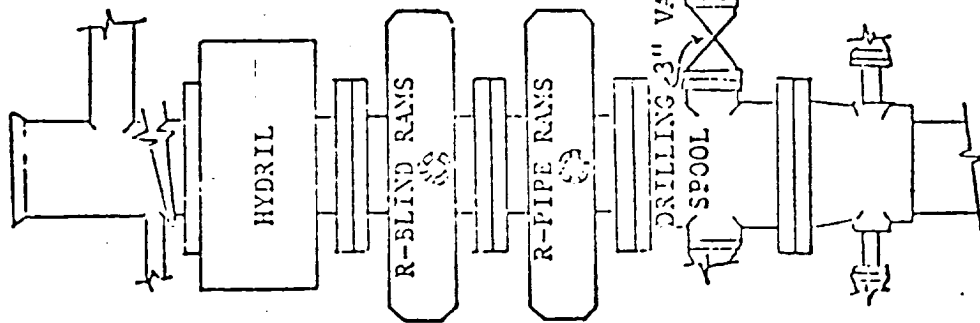
Earl Foote

Registered Land Surveyor

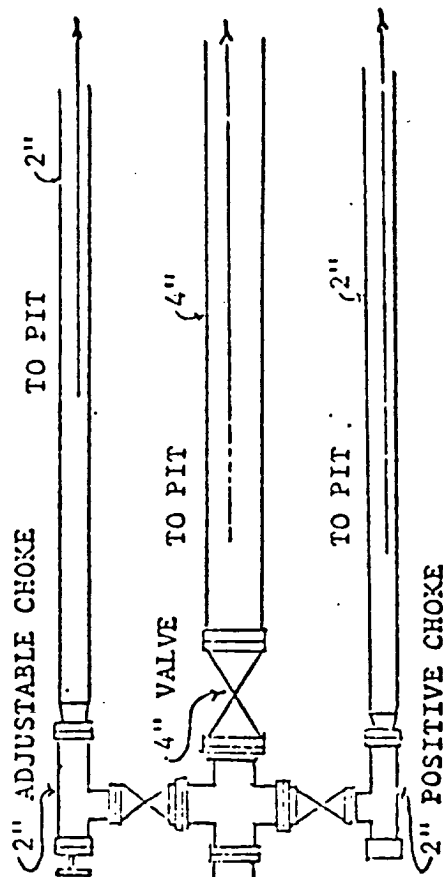
Certificate No.

1552





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



ATTACHMENT TO FORM C-101

SOUTHLAND ROYALTY COMPANY
(Operated by Meridian Oil Inc.)

Robinson Jackson Unit Tr. 2A No. 33
385' FNL & 1325' FEL
Sec. 27, T-17-S, R-29-E
Eddy County, New Mexico
LC-028776

To supplement USGS Form 3160-3 Application to Drill the following additional information is submitted concerning questions on Page 5 of NTL-6:

1. See Form 3160-3.
2. See Form 3160-3.
3. The geological name of surface formation is: Paleorthid Association
4. See Form 3160-3.
5. See Form 3160-3.
6. The estimated tops of important geological markers are:

Yates	1005'	Grayburg	2420'
Queen	1996'	San Andres	2860'

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

Grayburg	2420'	- Oil
San Andres	2860'	- Oil

8. See Form 3160-3. All casing will be new.
9. See Form 3160-3 for depths of strings. Cement volumes and additions as follows:
 - a. 8 5/8" csg: Cement w/250 sxs Cl "C" cmt w/2% CaCl₂. Circ.
 - b. 5 1/2" csg: Cement w/+600 sxs Lite cmt + additives followed by 200 sxs Cl "C" + additives to circulate cmt to surface.

A caliper log will be run prior to setting 5 1/2" pipe to determine exact cement volume required.

10. The pressure control diagram is attached to Form 3160-3. The following additional information is as follows:

8 5/8" casing installation: 11"-3M BOP stack to be installed and ~~tested~~ to 1000 psi along with the 8 5/8" casing before drilling the 8 5/8" casing shoe. The BOP stack to consist of an annular BOP, blind ram BOP and one pipe ram BOP.

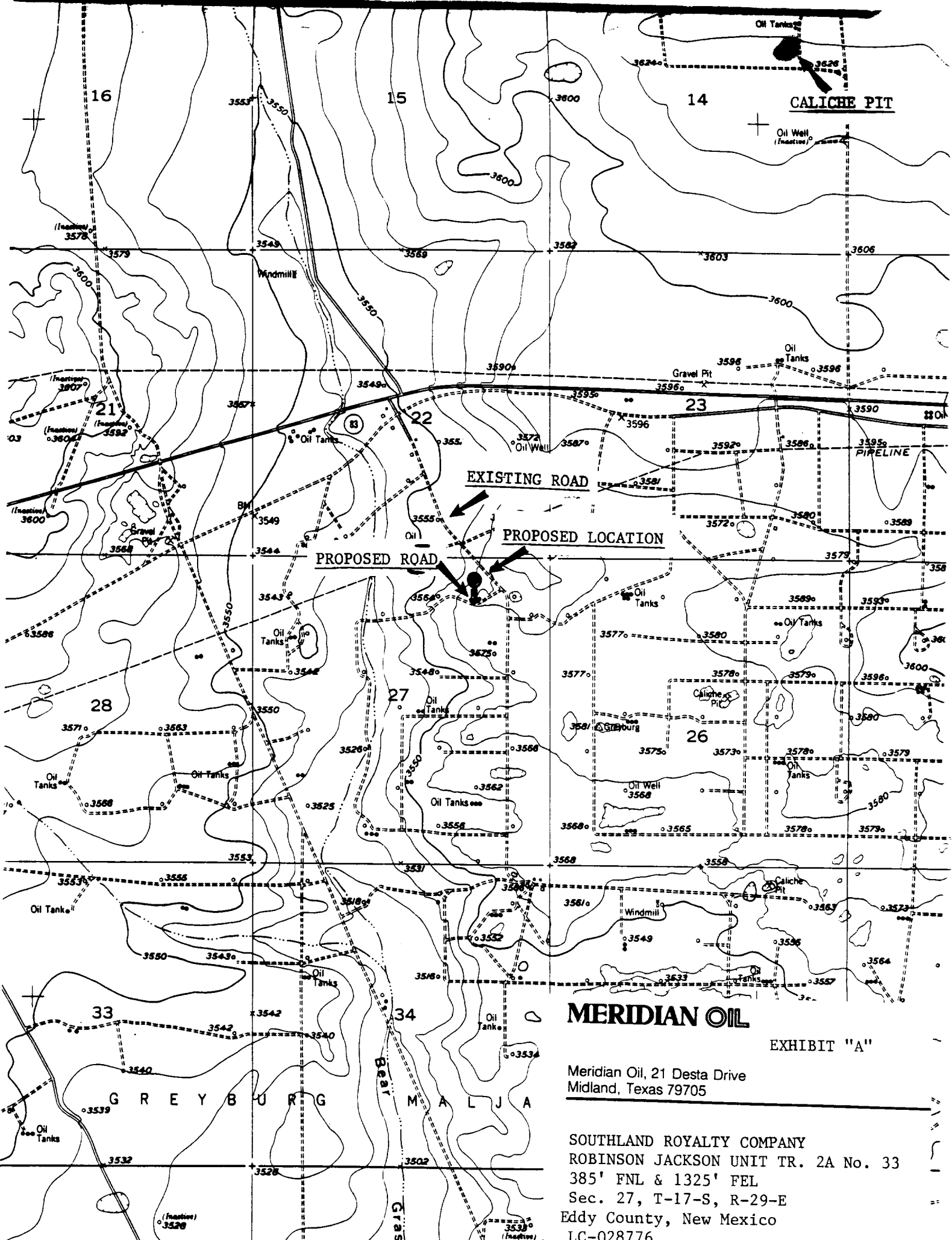
11. See Form 3160-3.
12. A. DST Program: None
B. Core: None
C. Mud Logging: None
D. Wire Line Logs:

The following suite of logs will be run in both of the listed intervals:

GR/CNL/FDC/Cal	TD-1500' (GR/CNL to surf)
GR/Dual Laterolog-MSFL	TD-1500'
GR-Collar	TD-2000' after setting 5 1/2" csg

13. No abnormal pressures anticipated with bottom hole pressures at TD expected to be 600 psi. Bottom hole temperature estimated at 95° F. No Hydrogen Sulfide expected in this known drilling area. No crooked hole or abnormal deviation problems.
14. Anticipated starting date to spud - on or before 03-14-88. Anticipated drilling time expected to be 8 days from surface to TD.

C. Nokes
01/28/88

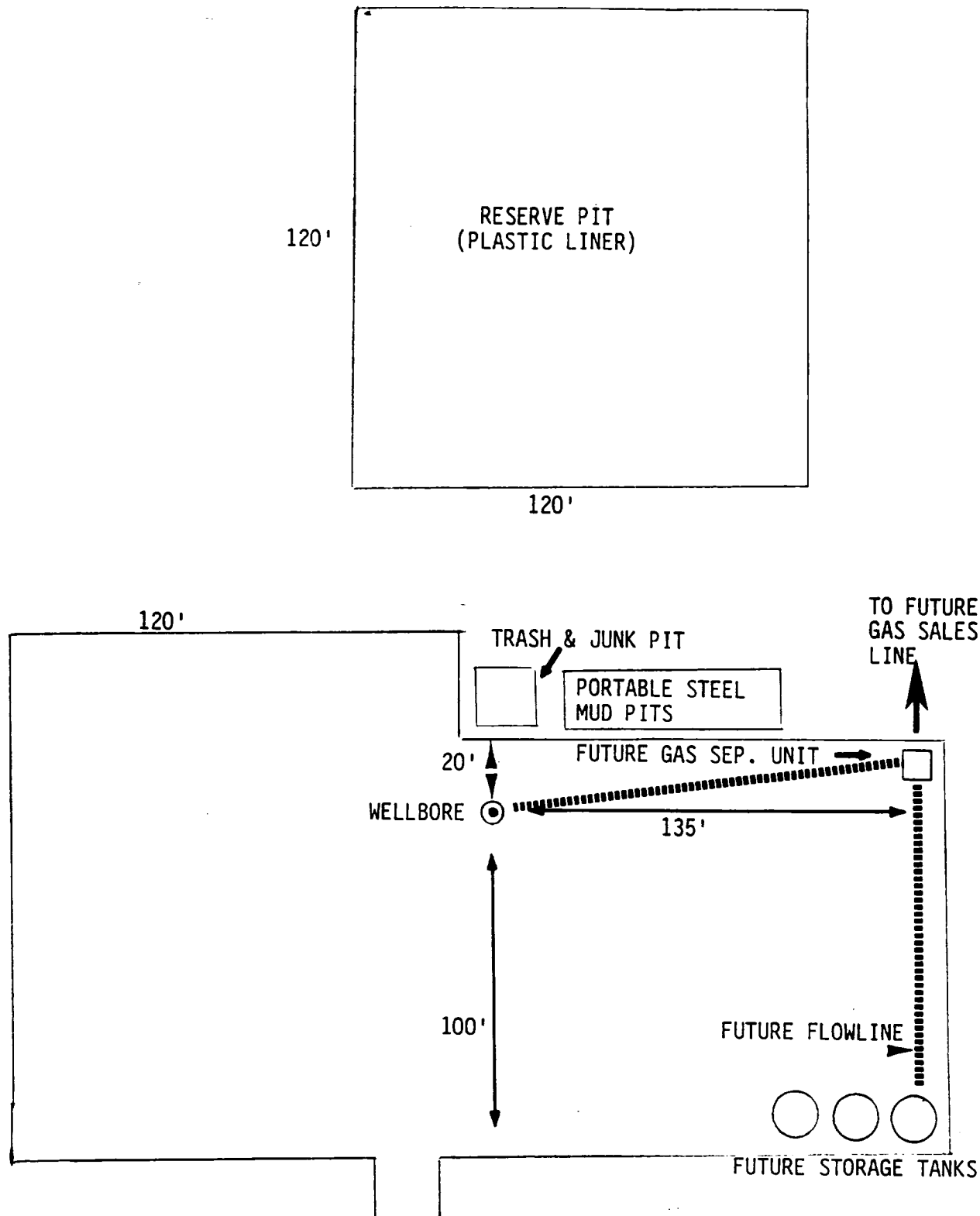


MERIDIAN OIL

EXHIBIT "A"

Meridian Oil, 21 Desta Drive
Midland, Texas 79705

SOUTHLAND ROYALTY COMPANY
ROBINSON JACKSON UNIT TR. 2A No. 33
385' FNL & 1325' FEL
Sec. 27, T-17-S, R-29-E
Eddy County, New Mexico
LC-028776



MERIDIAN OIL

EXHIBIT "C"

Meridian Oil, 21 Desta Drive
Midland, Texas 79705

SOUTHLAND ROYALTY COMPANY
ROBINSON JACKSON UNIT TR. 2A No. 33
385' FNL & 1325' FEL
Sec. 27, T-17-S, R-29-E
Eddy County, New Mexico
LC-028776