

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER ☐

SINGLE BORE ☒

MULTIPLE BORE ☐

2. NAME OF OPERATOR

SOUTHWEST ROYALTIES INC.

(Nelson Patton)

21355

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 11390 MIDLAND, TEXAS 79702 Ph. 915-686-0027

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

At surface

660' FWL & 990' FSL SEC. 24 T19S-R30E EDDY CO. NM

At proposed prod. zone Same

Unit M

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

Approximately 25 miles Northeast of Carlsbad, New Mexico.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit lbr. if any)

660'

16. NO. OF ACRES IN LEASE

720

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.

1320'

19. PROPOSED DEPTH

2200'

20. ROTARY OR CABLE TOOLS

Rotary

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

3231' GR

22. APPROX. DATE WORK WILL START*

As soon as approved

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20" Conductor	NA	40'	Cement to surface/Redi-Mix
17 1/2"	J-55 13 3/8"	54.5	500'	500 Sx. Circulate to surface
12 1/2"	J-55 8 5/8"	24	1600'	450 Sx. Circulate to surface
7 7/8"	J-55 5 1/2"	15.5	2200'	300 Sx.

1. Drill 26" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-Mix.
2. Drill 17 1/2" hole to 500'. Run and set 500' of 13 3/8" J-55 54.5# ST&C casing. Cement with 500 Sx. Class "C" + 2% CaCl + 4% Gel + 1/4# Flocele/Sx circulate cement to surface.
3. Drill 12 1/2" hole to 1600'. Run and set 1600' of 8 5/8" J-55 24# ST&C casing. Cement with 300 Sx. 35:65:6 Light cement + 10% salt + 1/4# Flocele/Sx. mix @ 12.7#/Gal and yield 1.81, tail in with 150 Sx. Class "C" + 2% CaCl + 1/3 Flocele/Sx. Mix @ 14.8#/Gal and yield 1.34. Circulate cement to surface.
4. Drill 7 7/8" hole to 2200'. Run and set 2200' of J-55 5 1/2" 15.5# ST&C casing. Cement with 300 Sx. Class "C" + .7% Fl-62 + .3% CD-32 + 2% Fresh water control.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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.

SIGNED [Signature] TITLE Agent DATE 10/04/96

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

Must be set 100' below base of 4 ft (100-600) See COA 3.

APPROVED BY

TITLE

DATE

*See Instructions On Reverse Side

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
	29490	HACKBERRY YATES 7 RIVERS-NORTH
Property Code	Property Name	Well Number
10635	NORTH HACKBERRY YATES UNIT	121
OGRID No.	Operator Name	Elevation
	SOUTHWEST ROYALTIES, INC.	3231'

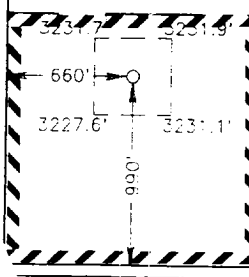
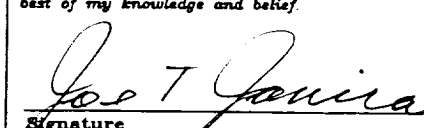
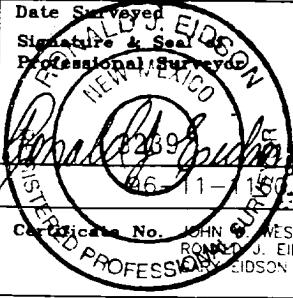
Surface Location

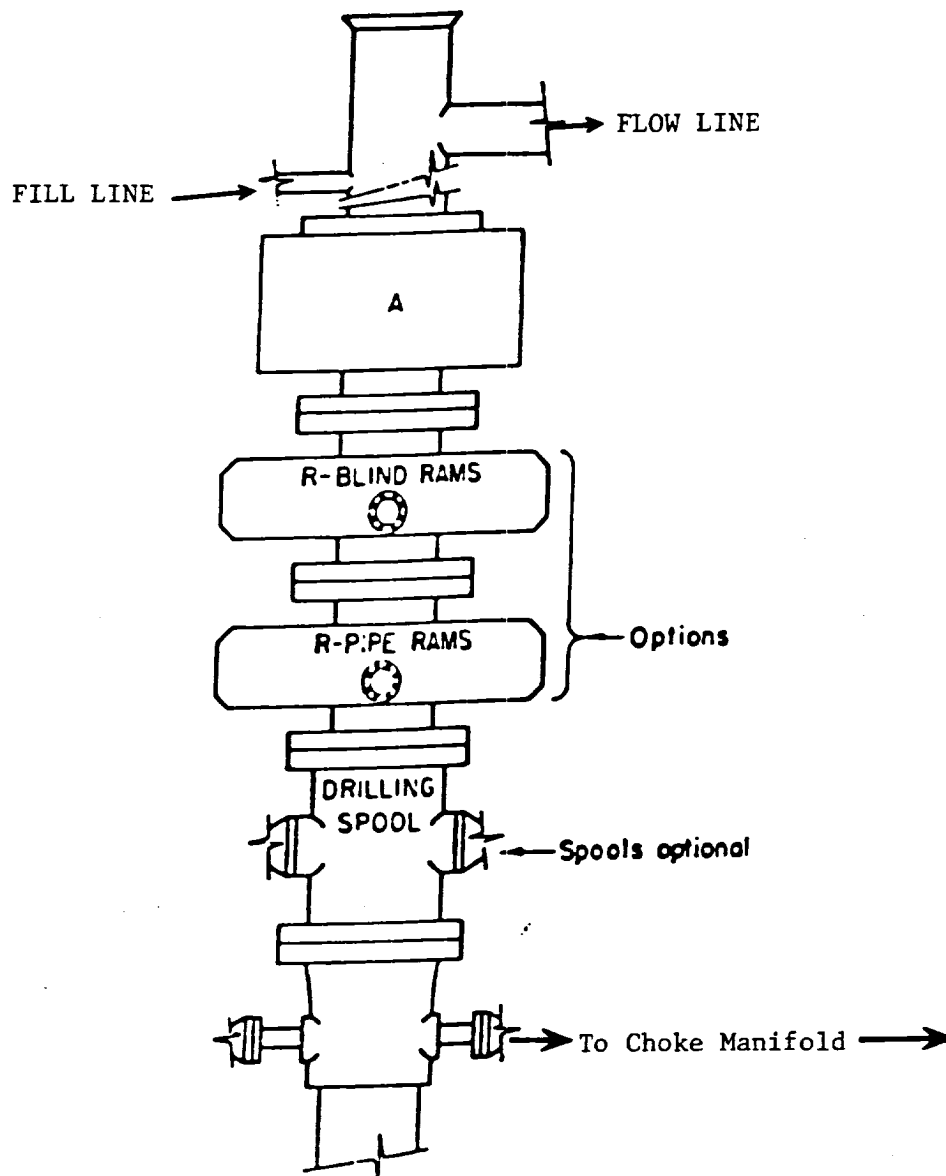
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	24	19 S	30 E		990	SOUTH	660	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						
40									

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

					OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.  Signature Joe T. Janica Printed Name Agent Title 10/04/96 Date			
					SURVEYOR CERTIFICATION 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 belief. SEPTEMBER 16, 1996 Date Surveyed  Signature & Seal Professional Surveyor 10-03-96 Certificate No. JOHN G. WEST 676 RONALD J. EIDSON 3239 EIDSON 12641			



ARRANGEMENT SRRA

900 Series
3000 PSI WP

EXHIBIT "E"
B.O.P. SKETCH TO BE USED ON
SOUTHWEST ROYALTIES, INC.
NORTH HACKBERRY YATES UNIT #121
660' FWL & 990' FSL SEC. 24
T19S-R30E EDDY CO. NM