

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Southern Union Production Company

3. ADDRESS OF OPERATOR

P. O. Box 808, Farmington, New Mexico 87401

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

At surface

990 feet from the North line and 1650 feet from the East line.

At proposed prod. zone Same as above.

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

20 miles Northwest of Ojito, New Mexico

15. DISTANCE FROM PROPOSED*

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

990 feet

990 feet

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

(Pictured cliffs)

1000 ft.

16. NO. OF ACRES IN LEASE

2560

17. NO. OF ACRES ASSIGNED
TO THIS WELL

319.96

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

7374 Ungraded Gr.

22. APPROX. DATE WORK WILL START*

October 1, 1970

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/8"	10-3/4"	32.75#	300 ft.	250 sacks
9-7/8"	7-5/8"	26.40#	4350	500 cu. ft.
6-3/4"	5-1/2"	15.50#	Liner 4200-8560	650 cu. ft.

WE PROPOSE TO DRILL AND COMPLETE DUALY A MESAVERDE-DAKOTA WELL. ESTH. T.D. 8560 ft.

1. Casing Program:

Surface: 10-3/4", 32.75#, H-40 set @ 350 ft. Cemented w/250 sacks.

Intermediate: 7-5/8", 26.40#, J-55 set @ 4350 ft. Cemented w/approx. 500 cu. ft.

Liner: 5-1/2", 15.50#, J-55 set from 4200 to 8560 ft. and cemented with
approx. 650 cu. ft.

2. Mud drill from surface to 4350 ft. and gas drill from 4350 to 8560 feet.

3. Productive zones will be sand fraced to stimulate production.

4. Baker Model "D" 5-1/2" Production packer will be set at approx. 8250 feet.

5. 1-1/2", 2.90# tubing will be run to Dakota and landed at approx. 8350 feet.

6. 1-1/2" Integral joint 2.75# tubing will be run to Mesaverde and landed at approx.
5800 feet R.K.B.

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. ORIGINAL SIGNED BY
SIGNED B. R. VANDERSLICE TITLE Area Superintendent DATE September 28, 1970
B. R. Vanderslice
(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY Gw

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
SEP 29 1970

*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY
DURANGO COLO.

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE PEDIICATION PLAT

All distances must be from the center of the well.

SOUTHERN UNION PRODUCTION COMPANY

WIGWAG

0

B 1 26 NORTH 5 WEST RIO ARriba
090 NORTH 1050 E ST

7374.0

Manzanita - Dakota

Manzanita Manzanita
Basin Dakota

319.96 (1/2 Sec. 1)



Manzanita Manzanita
Basin Dakota

CERTIFICATION

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

ORIGINAL SIGNED BY
B. R. VANDERSLICE

B. R. Vanderslice

Area Superintendent

Southern Union Production Co.

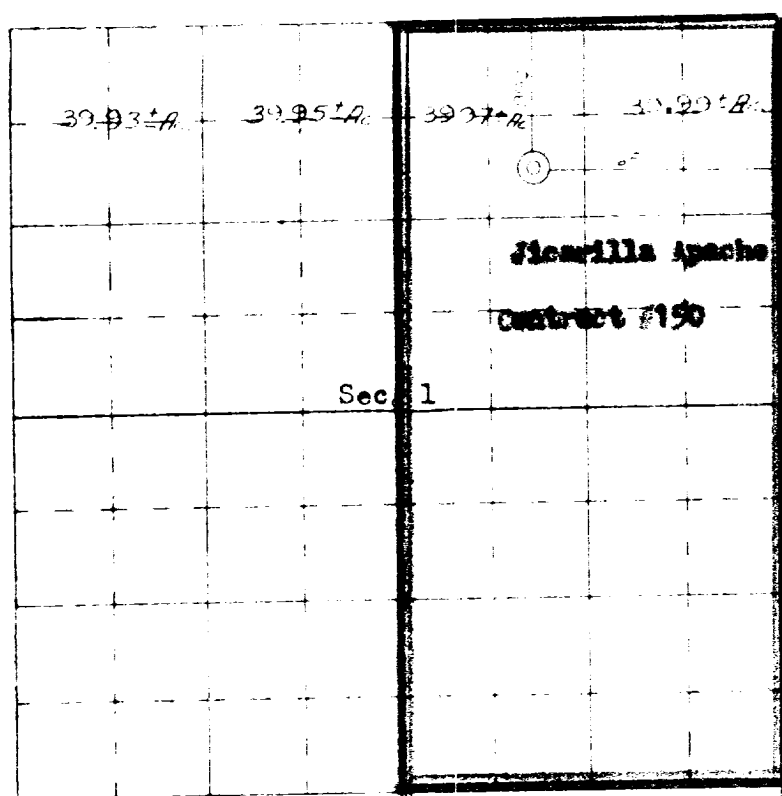
September 28, 1970

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.

25 September, 1970

James P. Leese
JAMES P. LEESE

1463



SCALE--4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

RECEIVED

SEP 29 1970

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.