

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

OIL CONDENSATE
DIST. 3

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER ☐

SINGLE ZONE ☐

MULTIPLE ZONE ☒

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

1650 FT. FROM SOUTH LINE & 995 FT. FROM EAST LINE

At proposed prod. zone

SAME AS ABOVE

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

30 MILES NORTHWEST OF QUITO, NEW MEXICO

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drig. unit line, if any)

1650 FT.

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

2640 FT.

16. NO. OF ACRES IN LEASE

2560

19. PROPOSED DEPTH

7525

17. NO. OF ACRES ASSIGNED TO THIS WELL

120 DAKOTA AND PICTURED CLIFFS

20. ROTARY OR CABLE TOOLS

ROTARY

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

6673 FT. UNGRADED GROUND LEVEL

22. APPROX. DATE WORK WILL START*

7/29/68

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 BAGS
9-7/8"	7-5/8"	26.40#	3320 FT.	300 BAGS
6-3/4"	4-1/2"	10.50#	3170-7525	750 CU. FT. (LINER)

WE PROPOSE TO DRILL A WELL TO BE DUALY COMPLETED IN THE DAKOTA AND PICTURED CLIFFS FORMATIONS. ANTICIPATED TOTAL DEPTH 7525 FT.

1. CASING PROGRAM: SURFACE - 10-3/4", 32.75#, H-40 SET AT 300 FT. CEMENTED W/250 BAGS. INTERMEDIATE - 7-5/8", 26.40#, J-55 SET AT 3320 FT. CEMENTED W/200 BAGS. LINER - 4-1/2", 10.50#, J-55 SET FROM 3170 FT. TO T.D. OF 7525 FT. AND CEMENTED W/APPROX. 750 CU. FT. OF CEMENT.

2. WELL WILL BE MUD DRILLED FROM SURFACE TO 3320 FT. AND GAS DRILLED FROM 3320 FT. TO T.D.

3. DAKOTA AND PICTURED CLIFFS FORMATIONS WILL BE SAND FRACED TO STIMULATE PRODUCTION.

4. BAKER MODEL "D" 4-1/2" PRODUCTION PACKER WILL BE SET AT APPROX. 7100 FT. R.K.B.

5. 1-1/2" E.U.E., 2.90#, JOH TUBING WILL BE RUN TO DAKOTA AND LAMDED AT APPROX 7100 FT R.K.B.

6. 1-1/2", INTEGRAL JOINT, 2.75#, JOH TUBING WILL BE RUN TO PICTURED CLIFFS AND LAMDED AT APPROX. 3100 FT. 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.

SIGNED

B. B. VANDERLICE

TITLE

AREA SUPERINTENDENT

DATE

JULY 16, 1968

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

AK

TITLE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

JUL 18 1968

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 road 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.

COPY

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator SOUTHERN UNION PRODUCTION COMPANY		Lease JICARILLA		Well No. 14	
Unit Letter I	Section 35	Township 26 NORTH	Range 5 WEST	County RIO ARriba	
Actual Footage Location of Well: 1650 feet from the SOUTH line and 995 feet from the EAST line					
Ground Level Elev. 6673	Producing Formation PICTURED CLIFFS	Pool BASIN DAKOTA	Dedicated Acreage SE/4 160 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

If answer is "no," list the owners and tract descriptions which have actually 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

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U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

DEDICATED DAKOTA ACREAGE

DEDICATED PICTURED CLIFFS ACREAGE

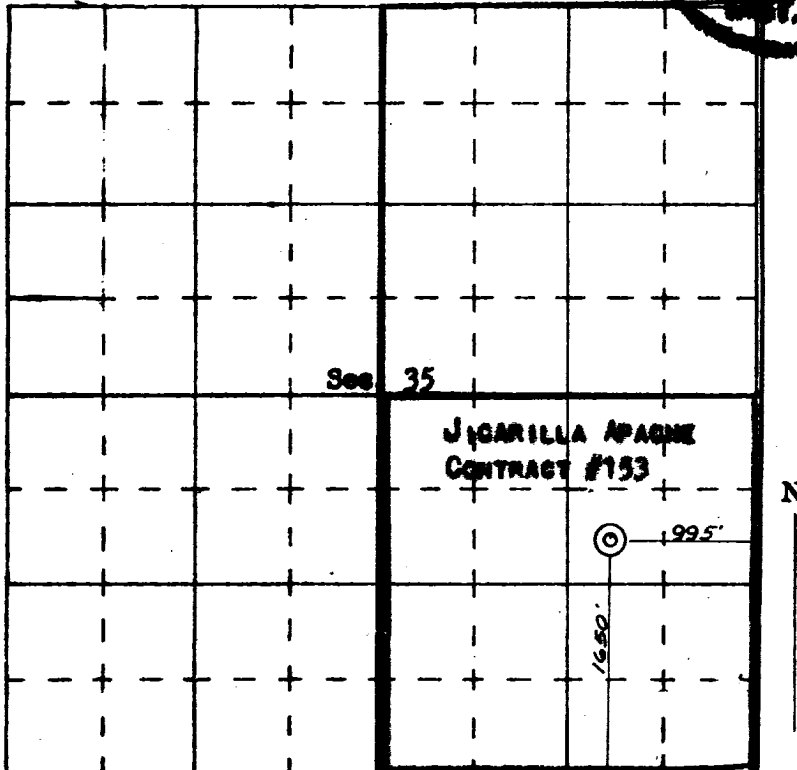
CERTIFICATION

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

B. R. Vanderlice
Name
B. R. VANDERLICE
Position
AREA SUPERINTENDENT
Company
SOUTHERN UNION PRODUCTION COMPANY
Date
JULY 16, 1968

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.

3 July, 1968
Date Surveyed
[Signature]
Registered Professional Engineer
and/or Land Surveyor
JAMES P. LEWIS
1463
Certificate No.



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.