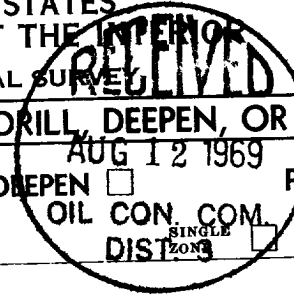


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



30-039-20260
5. LEASE DESIGNATION AND SERIAL NO.

Contract #145

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla "K"

9. WELL NO.

10

10. FIELD AND POOL, OR WILDCAT
South Blanco Pictured Cliffs
Basin Dakota

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 1, T-25N, R-5W,
N.M.P.M.

12. COUNTY OR PARISH

13. STATE

Rio Arriba

New Mexico

17. NO. OF ACRES ASSIGNED
TO THIS WELL

319.69 Dakota 159.69

20. ROTARY OR CABLE TOOLS

Rotary Tools

22. APPROX. DATE WORK WILL START*

August 20, 1969

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

790 ft. from the North line & 1190 ft. from the West line.

At proposed prod. zone

Same as above.

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

20 miles North of Counsellors, New Mexico

15. DISTANCE FROM PROPOSED*

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

790

18. DISTANCE FROM PROPOSED LOCATION*

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

3450

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

7685

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

6830 ft. Ungraded 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"	24.0#	300 ft.	250 sacks
7-7/8"	5-1/2"	15.5#	7685	2500 cu. ft.

We propose to drill a well to be dually completed in the Pictured Cliffs and Dakota formations. Anticipated T.D. 7685 ft.

1. Casing Program:

Surface: 8-5/8", 24.0#, J-55 set @ 300 ft. Cemented to surface w/250 sacks.
Production: 5-1/2", 15.50# set @ T.D. of 7685 ft. R.K.B. 1st stage cemented w/600 cu. ft. Stage Collar set @ approx. 5700 ft. under Mesaverde and cemented w/500 cu. ft. of cement. Stage Collar set under P.C. at approx. 3500 ft. and cemented w/1400 cu. ft.

2. Rotary tools will be used to mud drill well from surface to T.D.

3. Pictured Cliffs and Dakota will be sand fraced to stimulate production.

4. Baker 5-1/2" Model "D" production packer will be set @ approx. 7335 ft. R.K.B.

5. 1-1/2" EUE, 2.90#, JCW Tbg. will be run to the Dakota.

6. 1-1/2" Integral joint 2.75# JCW tbg. will be run to Pictured Cliffs.

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

B. R. VANDERSLICE

Area Superintendent

August 8, 1969

SIGNED Bill Vanderalice

TITLE

DATE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

DATE

AUG 11 1969

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 DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator SOUTHERN UNION PRODUCTION COMPANY		Lease JICARILLA "K"		Well No. 10
Unit Letter D	Section 1	Township 25 NORTH	Range 5 WEST	County RIO ARriba
Actual Footage Location of Well: 790 feet from the NORTH line and 1190 feet from the WEST line 159.69 360 P.C.				
Ground Level Elev. 6630.0	Pool Pictured Cliffs	Pool South Blance	Dedicated Average: 319.69 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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?

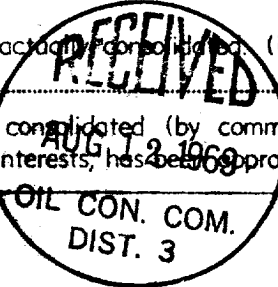
() Yes () No If answer is "yes," type of consolidation _____

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.

Dedicated Pictured Cliffs Acreage

Dedicated South Blance Acreage



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

Name
Bill Vanderalice

Position
Area Superintendent

Company
Southern Union Production

Date
August 8, 1969

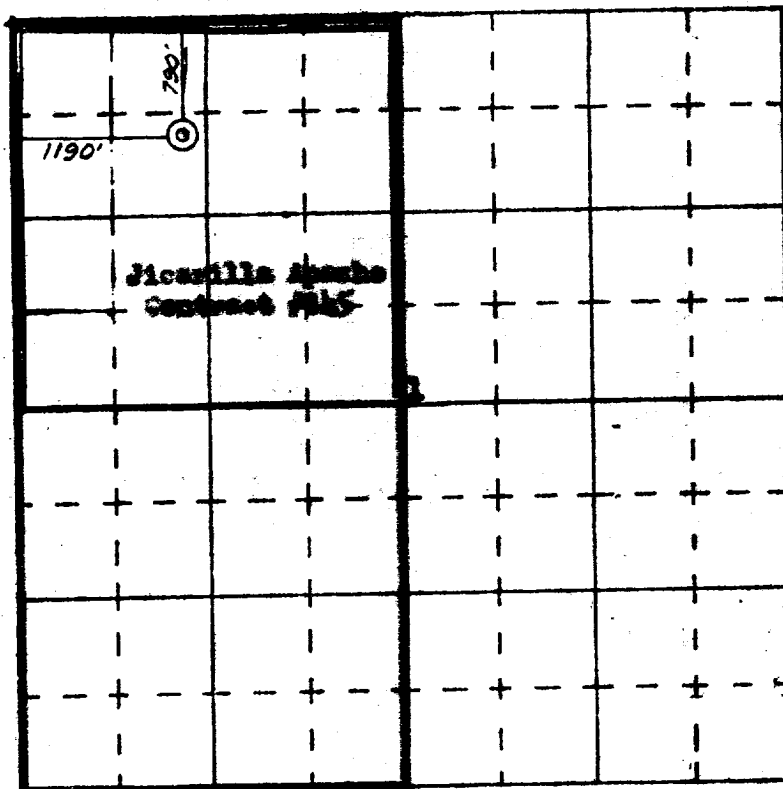
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

6 August 1969

Date Surveyed

Registered Professional Engineer
and/or Land Surveyor

Certificate No. **1463**



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.