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 SUBMIT IN TRIPPLICATE*
 (Other instructions on reverse side)

Form approved.
 Budget Bureau No. 42-R1425.

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

9-331 C
 RECEIVED
 JUL 10 1968
 OIL CON. COM.
 DIST. 3

30-644-20119
 5. LEASE DESIGNATION AND SERIAL NO.
CONTRACT #153
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
JICARILLA APACHE
 7. UNIT AGREEMENT NAME
 8. FARM OR LEASE NAME
JICARILLA "J"
 9. WELL NO.
13
 10. FIELD AND POOL, OR WILDCAT
SOUTH BLANDO PICTURED CLIFF BASIN DAKOTA
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 36, T-26N, R-5E, N.M.P.N.
 12. COUNTY OR PARISH 13. STATE
RIO ARriba NEW MEXICO

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
 OIL CON. COM. DRILL DEEPEN PLUG BACK
 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 **1830 FT. FROM SOUTH LINE & 1140 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 drlg. unit line, if any) **1140 FT.**

16. NO. OF ACRES IN LEASE
2560

17. NO. OF ACRES ASSIGNED TO THIS WELL
320 DAKOTA; 160 PICTURED CLIFFS

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. **3630 FT.**

19. PROPOSED DEPTH
7615

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6703 FT. UNGRADED GROUND LEVEL

22. APPROX. DATE WORK WILL START*
7/10/68

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 BAGS
9-7/8"	7-5/8"	26.40#	3365 FT.	200 BAGS
6-3/4"	4-1/2"	10.50#	3215-7615	750 CU. FT. (LINER)

WE PROPOSE TO DRILL A WELL TO BE DUALY COMPLETED IN THE DAKOTA & PICTURED CLIFFS FORMATIONS. ANTICIPATED TOTAL DEPTH 7615 FT.

- CASING PROGRAM: SURFACE - 10-3/4", 32.75#, H-40 SET @ 300 FT. CEMENTED w/ 250 BAGS. INTERMEDIATE - 7-5/8", 26.40#, J-55 SET @ 3365 FT. CEMENTED w/ 200 BAGS. LINER - 4-1/2", 10.50#, J-55 SET FROM 3215 TO T.D. OF 7615 FT. AND CEMENTED w/ APPROX. 750 CU. FT. OF CEMENT.
- WELL WILL BE MUD DRILLED FROM SURFACE TO 3365 FT. AND GAS DRILLED FROM 3365 FT TO T.D.
- DAKOTA AND PICTURED CLIFFS FORMATIONS WILL BE SAND FRACED TO STIMULATE PRODUCTION.
- BAKER MODEL "D" 4-1/2" PRODUCTION PACKER WILL BE SET AT APPROX. 7200 FT. R.K.B.
- 1-1/2" E.U.E., 2.90# JCN TUBING WILL BE RUN TO DAKOTA AND LANDED AT APPROX. 7450' R.K.B.
- 1-1/2" INTEGRAL JOINTS, 2.75# JCN TUBING WILL BE RUN TO PICTURED CLIFFS AND LANDED AT APPROXIMATELY 3150 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. R. Vandervolice TITLE AREA SUPERINTENDENT DATE JULY 8, 1968
 SIGNED B. R. VANDEROLICE TITLE _____ DATE _____

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY GM TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
 JUL 9 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 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.

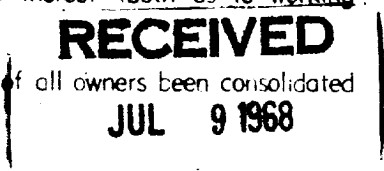
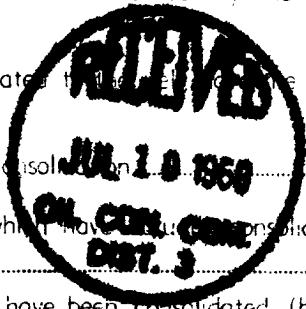


**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

Operator SOUTHERN UNION PRODUCTION COMPANY		Lease JICARILLA		Well No 13	
Unit Letter I	Section 36	Township 26 NORTH	Range 5 WEST	County RIO ARRIBA	
Actual Footage Location of Well: 1830 feet from the SOUTH line 1140 feet from the EAST line					
Ground Level Elev. 6703.0	Plotted Cliffs		Plotted South Blanco Plotted Cliffs Basin Blerta	Dedicated Acreage 380	Acres

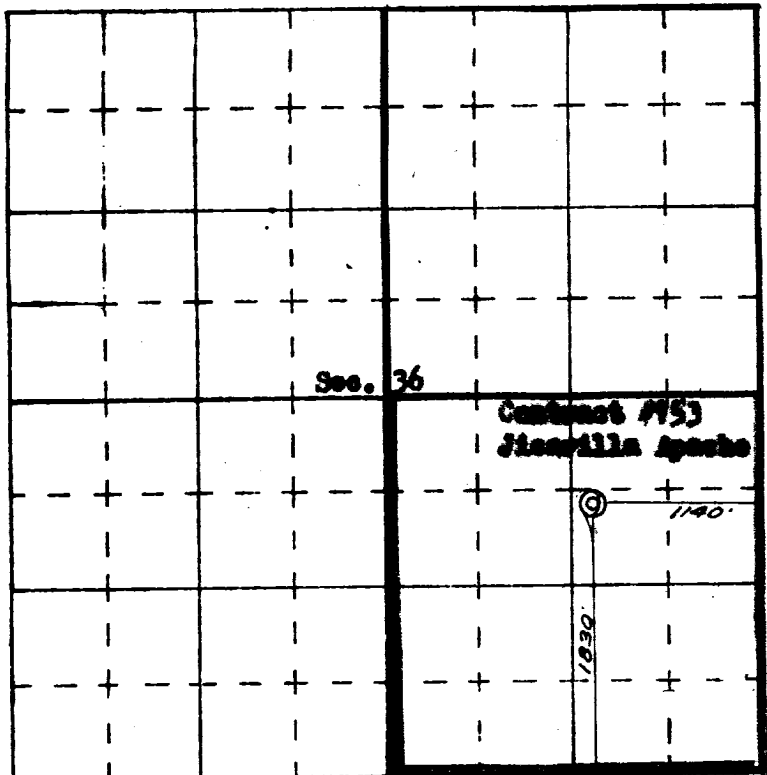
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is 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 not 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 Blerta Acreage**
 ————— **Dedicated Plotted Cliffs Acreage**



SCALE—4 INCHES EQUALS 1 MILE

CERTIFICATION

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

B. B. Vandervelde
 Name: **B. B. Vandervelde**
 Position: **Area Superintendent**
 Company: **Southern Union Production Co.**
 Date: **July 8, 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: **3 July 1968**
James P. Glass
 Registered Professional Engineer
 and/or Land Surveyor

JAMES P. GLASS
1463
 Certificate No.

