

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

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Southern Oil & Gas Company

3. ADDRESS OF OPERATOR c/o Val R. Reese & Associates, Inc.

2820 Central Ave., S.E., Albuquerque, New Mexico

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

At surface

1900' fwl, 590' fwl, Sec 4, T-17N, R-3W

At proposed prod. zone

Same

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

15. DISTANCE FROM PROPOSED*

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

18. DISTANCE FROM PROPOSED LOCATION*

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

16. NO. OF ACRES IN LEASE

720

19. PROPOSED DEPTH

350

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Cable Tools

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

6488' B.L.

22. APPROX. DATE WORK WILL START*

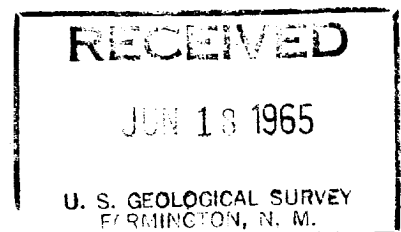
June 21, 1965

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12"	8-5/8	24#	25'	10 sxs.
6-1/2"	4-1/2	9.5#	350'	50 sxs.

A 12" hole will be drilled to approximately 25' and 8-5/8" csg. cemented to surface with 10 sxs. of cement. A 6-1/2" hole will be drilled to approximately 350' and 4-1/2" csg. will be run to total depth and cemented to surface with 50 sxs. of cement. Pay intervals in the Mesaverde will be perforated and well completed.



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

TITLE

Agent

DATE

June 18, 1965

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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.

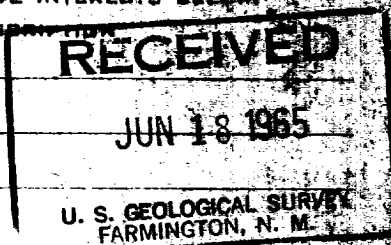
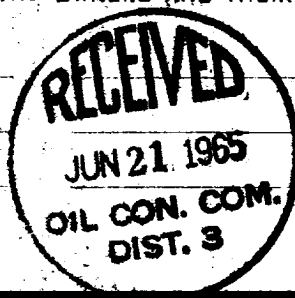
NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

SECTION 2 DATE June 18, 1965
 OPERATOR Southern Oil & Gas Company LEASE Federal 4
 WELL NO. 1-4 UNIT LETTER L SECTION 4 TOWNSHIP 17 North RANGE 13 East
 LOCATED 1900 FEET FROM South LINE, 590 FEET FROM West LINE
 SURVEY Sectional G. L. ELEVATION 6488 DEDICATED ACREAGE 4.0
 NAME OF PRODUCING FORMATION Mesaverde POOL Wildcat

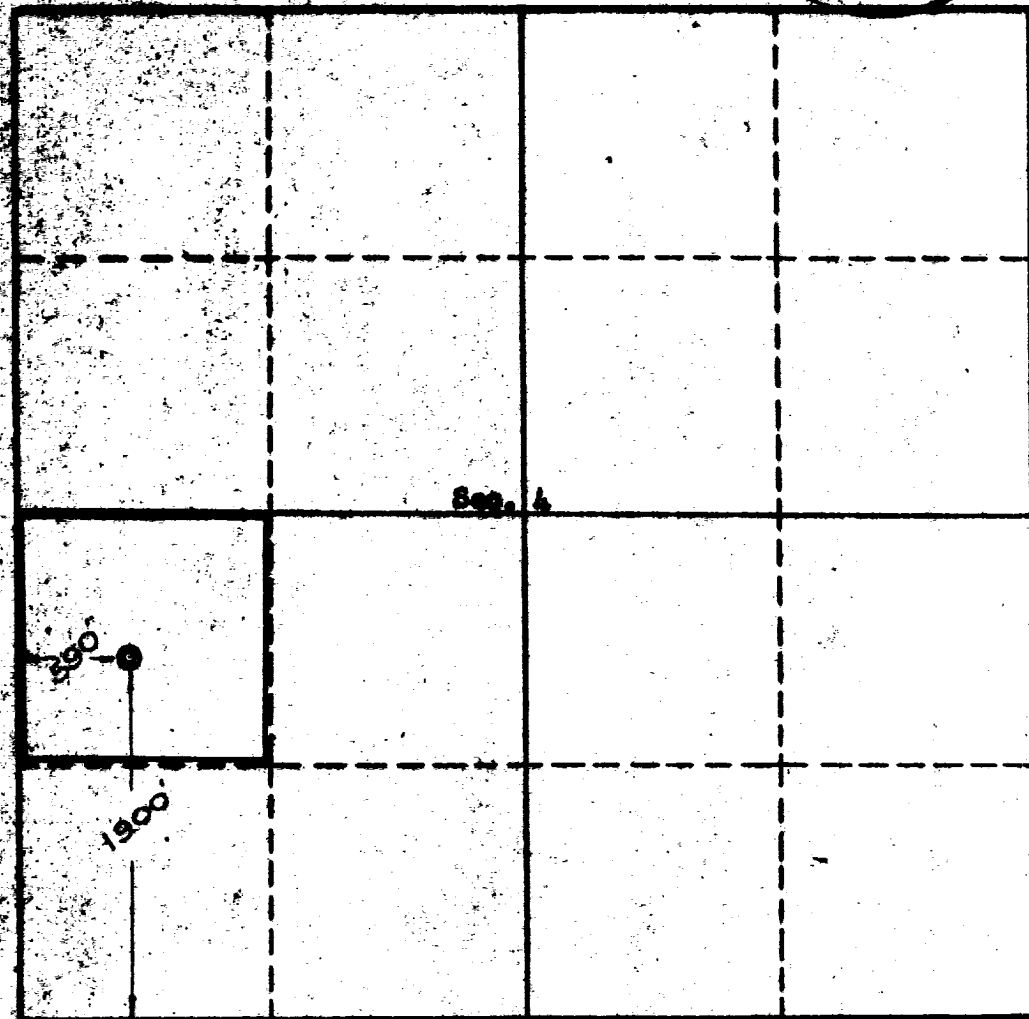
1. IS THE OPERATOR THE ONLY OWNER* IN THE DEDICATED ACREAGE OUTLINED ON THE PLAT BELOW? YES X NO
 2. IF THE ANSWER TO QUESTION ONE IS "NO," HAVE THE INTERESTS OF ALL THE OWNERS BEEN CONSOLIDATED BY JOINT VENTURE AGREEMENT OR OTHERWISE? YES NO IF ANSWER IS "YES," TYPE OF CONSOLIDATION

3. IF THE ANSWER TO QUESTION TWO IS "NO," LIST ALL THE OWNERS AND THEIR RESPECTIVE INTERESTS BELOW

OWNER	LAND DESCRIPTION



SECTION 2.



THIS IS TO CERTIFY THAT THE INFORMATION IN SECTION 2 ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Southern Oil & Gas Company
 (OPERATOR)

Kevin C. Johnson, Agent
 (REPRESENTATIVE)
% Val R. Reese & Assoc., Inc.
2820 Central S.E. Albuquerque, N.M.

THIS IS TO CERTIFY THAT THE INFORMATION ON THE PLAT IN SECTION 2 OF THIS PLAT IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE SURVEYED June 14, 1965

James E. Cook
 REGISTERED ENGINEER IN
 LAND SURVEYING

CERTIFICATE NO. 3602

Scale, 1 inch = 1,000 feet