

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 ☐		5. LEASE DESIGNATION AND SERIAL NO. SP 078115
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR AZTEC OIL & GAS COMPANY		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR DRAVER 7570, FARMINGTON, NEW MEXICO		8. FARM OR LEASE NAME GREATER
4. LOCATION OF WELL (See instructions on reverse side for State requirements.) At surface 1450' FSL 1500' FSL SECTION 20-T1N-R1E SAN JUAN COUNTY, NEW MEXICO At proposed prod. zone		9. WELL NO. 13-D
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 25 miles		10. FIELD AND POOL, OR WILDCAT BASIN DAKOTA
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any)		11. SEC., T., R., M., OR BLK. (AND SURVEY OR AREA) 1450' FSL 1500' FSL SEC. 20-T1N-R1E
16. NO. OF ACRES IN LEASE 320		12. COUNTY OR PARISH SAN JUAN
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		13. STATE NEW MEXICO
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6029' G.L.		22. APPROX. DATE WORK WILL START* 11- -63

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4" 6 3/4"	8 5/8" 4 1/2"	24# 9.5 & 10.5	300' 7275	300 sacks 300 sacks

Propose To:

Set 300 feet of 8 5/8" surface casing and cement to surface.
Drill with rotary to approximately 7275 feet or through the Dakota formation.
Set 4 1/2" production casing at total depth and cemented with 200 sacks. Set BV Tool approximately 100 feet below the Mesaverde formation and cement with sufficient amount (400 sks) to cover the Mesaverde and Pictured Cliffs formations.
Perforate and frac the Dakota formation. Run 2 3/8" tubing.

West One-Half, 320 acres, Section 20, dedicated to this well.

Application for approval of non-standard proration unit applied for 11-1-63.



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 JOE C. SALMON JOE C. SALMON DISTRICT SUPERINTENDENT 11-1-63
SIGNED TITLE DATE

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY CU TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

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 A.

DATE _____

OPERATOR Aztec Oil & Gas Company LEASE Grenier
WELL NO. 13-D UNIT LETTER K SECTION 20 TOWNSHIP 31 North RANGE 11 West NMPM
LOCATED 1450 FEET FROM South LINE, 1500 FEET FROM West LINE
COUNTY San Juan S. L. ELEVATION 6029 DEDICATED ACREAGE 320 ACRES
NAME OF PRODUCING FORMATION _____ POOL _____

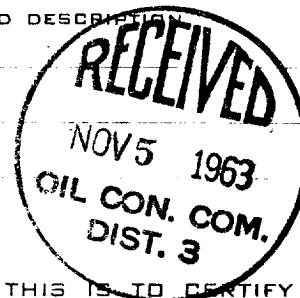
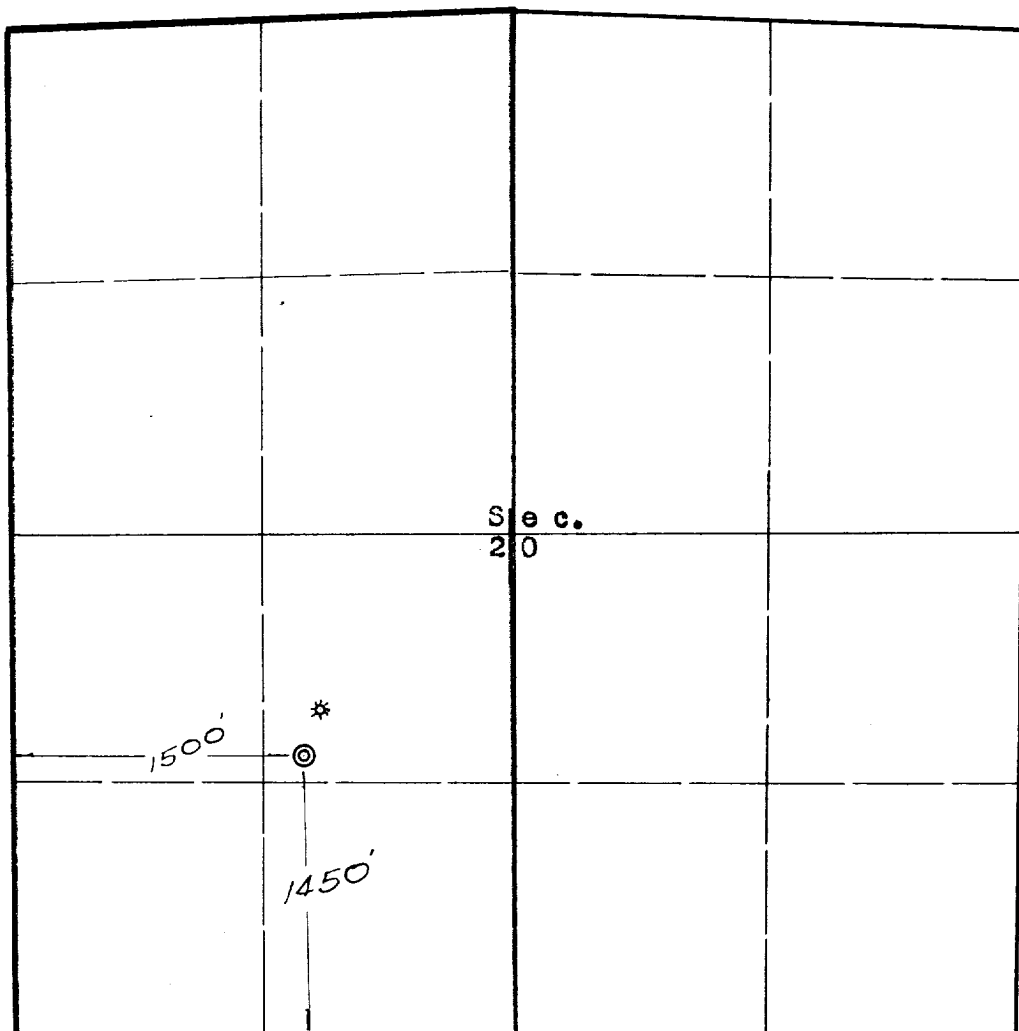
1. IS THE OPERATOR THE ONLY OWNER* IN THE DEDICATED ACREAGE OUTLINED ON THE PLAT BELOW? YES ☒ NO ☐
2. IF THE ANSWER TO QUESTION ONE IS "NO," HAVE THE INTERESTS OF ALL THE OWNERS BEEN CONSOLIDATED BY COMMUNITIZATION AGREEMENT OR OTHERWISE? YES ☐ NO ☐ IF ANSWER IS "YES," TYPE OF CONSOLIDATION _____

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

OWNER

LAND DESCRIPTION

SECTION B.



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

AZTEC OIL & GAS COMPANY
(OPERATOR)

Joe C. Salmon
JOE C. SALMON, DISTRICT SUP'T

DRAWER 570, FARMINGTON, NEW MEXICO
(ADDRESS)

THIS IS TO CERTIFY THAT THE WELL LOCATION SHOWN ON THE PLAT IN SECTION A 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.

DATE SURVEYED Oct. 31, 1963

FOUR STATES
ENGINEERING CO.

FARMINGTON, NEW MEXICO

Edward C. Chisholm
REGISTERED ENGINEER OR
LAND SURVEYOR

CERTIFICATE NO. 3602

