

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

13 APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

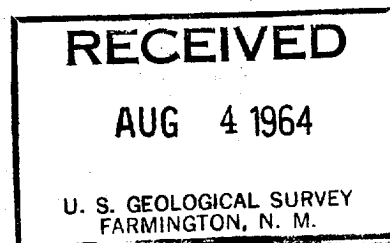
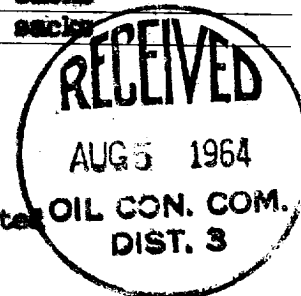
1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐			5. LEASE DESIGNATION AND SERIAL NO. SF 078115		
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR Astec Oil & Gas Company			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR Box 570, Farmington, New Mexico			8. FARM OR LEASE NAME Grenier		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 965 FWL 1965 FWL At proposed prod. zone			9. WELL NO. 14		
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. unit line, if any)			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 7 - T31N - R11W		
16. NO. OF ACRES IN LEASE			12. COUNTY OR PARISH San Juan		
17. NO. OF ACRES ASSIGNED TO THIS WELL 318.80			13. STATE New Mexico		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 7620			20. ROTARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6329 ground level			22. APPROX. DATE WORK WILL START*		

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"		300"	225 sacks
7-7/8"	4-1/2"			250 sacks

Propose To:

Set 300' 8-5/8" surface pipe cemented to surface (225 sacks)
7620 feet 4-1/2" Production casing cemented with 250 sacks
DV tool set at base of Mesaverde and Pictured Cliff and cemented
to cover each formation (650 Sacks)
Perforate Dakota section
Frac with sand and water
Run 2-3/8" tubing

Promotion unit applied for. West 1/2 of Sec. 7, 318.80 acres
Approval for unorthodox location applied for.



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
SIGNED Joe C. Salmon TITLE District Superintendent DATE August 3, 1964
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ 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.

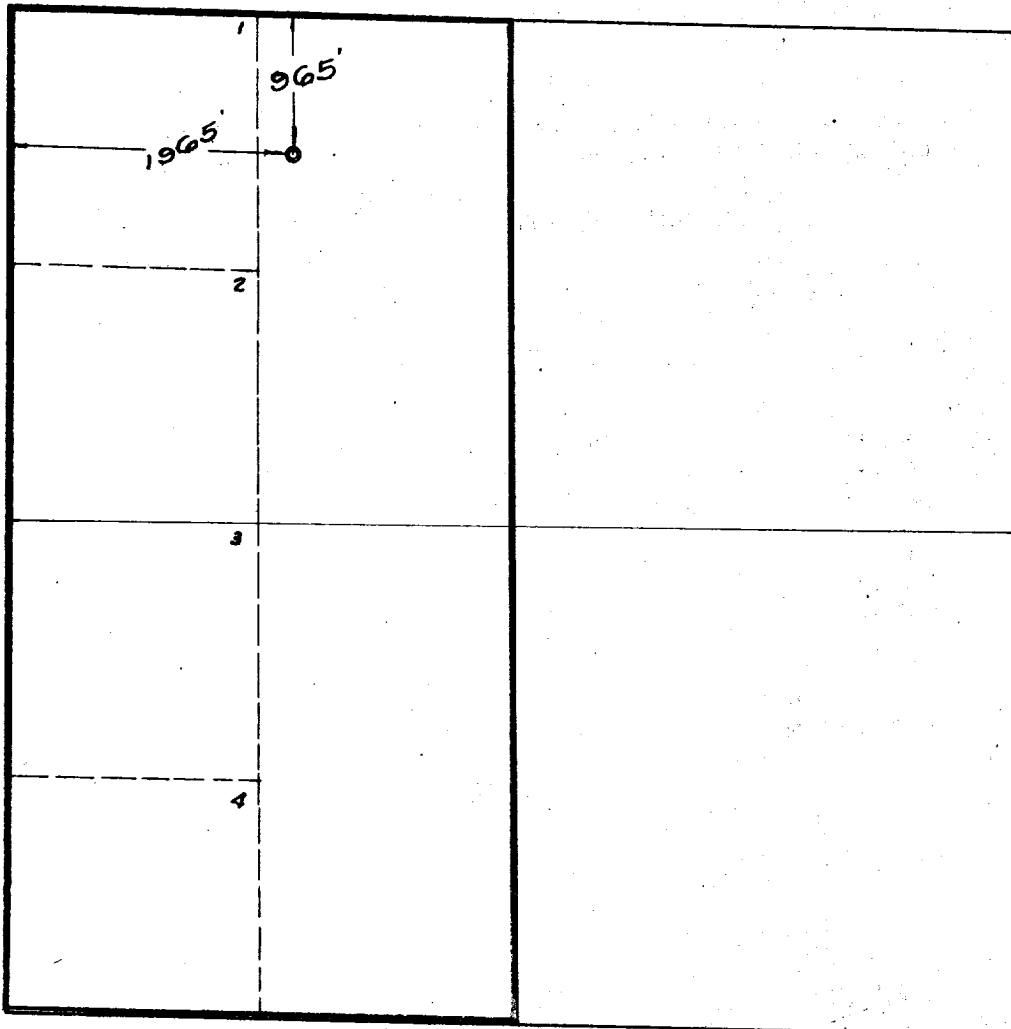
DATE August 3, 1964

OPERATOR AZTEC OIL & GAS COMPANY LEASE GRENIER
WELL NO. 14 UNIT LETTER C SECTION 7 TOWNSHIP 31 NORTH RANGE 11 WEST NMPM
LOCATED 965 FEET FROM NORTH LINE, 1965 FEET FROM WEST LINE
COUNTY SAN JUAN G. L. ELEVATION 6329 DEDICATED ACREAGE 32.80 ACRES
NAME OF PRODUCING FORMATION Del Norte POOL Del Norte

1. IS THE OPERATOR THE ONLY OWNER^s 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 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 DESCRIBED

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)

ORIGINAL SIGNED BY JOE C. SALMON
(REPRESENTATIVE)
Joe C. Salmon

Box 970, Farmington, New Mexico

THIS REGISTERED LAND SURVEYOR CERTIFIES THAT THE WELL LOCATION SHOWN ON THE PLAT IN SECTION B WAS PLOTTED FROM REG. NO. 3602 NOTES OF ACTUAL SURVEY 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 JULY 27, 1964

**FOUR STATES
ENGINEERING CO.**

FARMINGTON, NEW MEXICO

Conrad H. Fehshaw

REGISTERED ENGINEER OR
LAND SURVEYOR

CERTIFICATE NO. 3602