

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 078198
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 Drewer #570, Farmington, New Mexico		8. FARM OR LEASE NAME NYE
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 1020' FWL 990' FWL At proposed prod. zone		9. WELL NO. 13
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 23 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)	16. NO. OF ACRES IN LEASE 320	17. NO. OF ACRES ASSIGNED TO THIS WELL 300
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 7105	20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5912 Ground		22. APPROX. DATE WORK WILL START*

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"		300'	250 sacks
8 5/8"	4 1/2"		7105'	200 sacks

Set 300' of 8 5/8" surface casing and cement with 250 sacks of cement
Run 7105' of 4 1/2" production casing to approximately 7105' and cement with 200 sacks.

DV tool to be set at base of Mesaverde and Pictured Cliffs.
Perforate Dakota section. Frac with sand and water
Run 2 3/8" tubing.

Proration unit W 1/2 Section 12 - 320 acres



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 Signature)
Howard J. Spear
SIGNED Howard J. Spear TITLE District Geologist DATE 4-1-64
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY CA 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 April 1, 1964

Operator Aztec Oil & Gas Company Lease Nye
Well No. 13 Unit Letter D Section 12 Township 30 North Range 11 West NMPM
Located 1020 Feet From North Line, 990 Feet From West Line
County San Juan G. L. Elevation 5912 Dedicated Acreage 300 Acres
Name of Producing Formation Dakota Pool Dakota Dakota

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



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)
Howard J. Speer Howard J. Speer
(REPRESENTATIVE)

Dwaver #570, Farmington, N.Mex.
(ADDRESS)

This is to certify that the well location shown on the plat in Section B 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 Feb. 6, 1964
Four States Engineering Co.
FARMINGTON, NEW MEXICO

Cornell T. Cebshaw
REGISTERED ENGINEER OR
LAND SURVEYOR

Certificate No. 3602

SECTION B.

