

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. ST 077651
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 Dumas #570, Farmington, New Mexico		8. FARM OR LEASE NAME RICHARDSON "D"
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1190 FWL & 1720 FWL Sec. 10-T31N-R12W At proposed prod. zone		9. WELL NO. 10
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Twenty Three Miles		10. FIELD AND POOL, OR WILDCAT Dania Dakota
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)	16. NO. OF ACRES IN LEASE	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 10-T31N-R12W
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 7530	12. COUNTY OR PARISH San Juan
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6687 Ground	17. NO. OF ACRES ASSIGNED TO THIS WELL 320 acres	13. STATE New Mexico
20. ROTARY OR CABLE TOOLS Rotary		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"	24	300'	
7-7/8"	4-1/2"	10.5	7530'	

Propose To:

Run 300' 8-5/8" surface casing cemented to surface (225 sacks)
Run 7530' 4-1/2" production casing cemented with 250 sacks
DV Tool set at base of Mesaverte & Pictured Cliffs and cemented to cover each formation (650 sacks)
Perforate Dakota Section
Fracture with sand and water
Run 2-3/8" tubing

Pro-ration unit dedicated is the W 1/2 of Section 10-T31N-R12W
Dedicated acreage - 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 Signed)
SIGNED **Howard J. Speer** **Howard J. Speer** TITLE **District Geologist** DATE **6-3-64**

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY **AN** 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 June 3, 1964

OPERATOR AZTEC OIL & GAS COMPANY LEASE RICHARDSON
WELL NO. 10-D UNIT LETTER C SECTION 10 TOWNSHIP 31 NORTH RANGE 12 WEST NMPM
LOCATED 1190 FEET FROM NORTH LINE, 1720 FEET FROM WEST LINE
COUNTY SAN JUAN G. L. ELEVATION 6287 DEDICATED ACREAGE 320 ACRES
NAME OF PRODUCING FORMATION Dakota POOL Basin Dakota

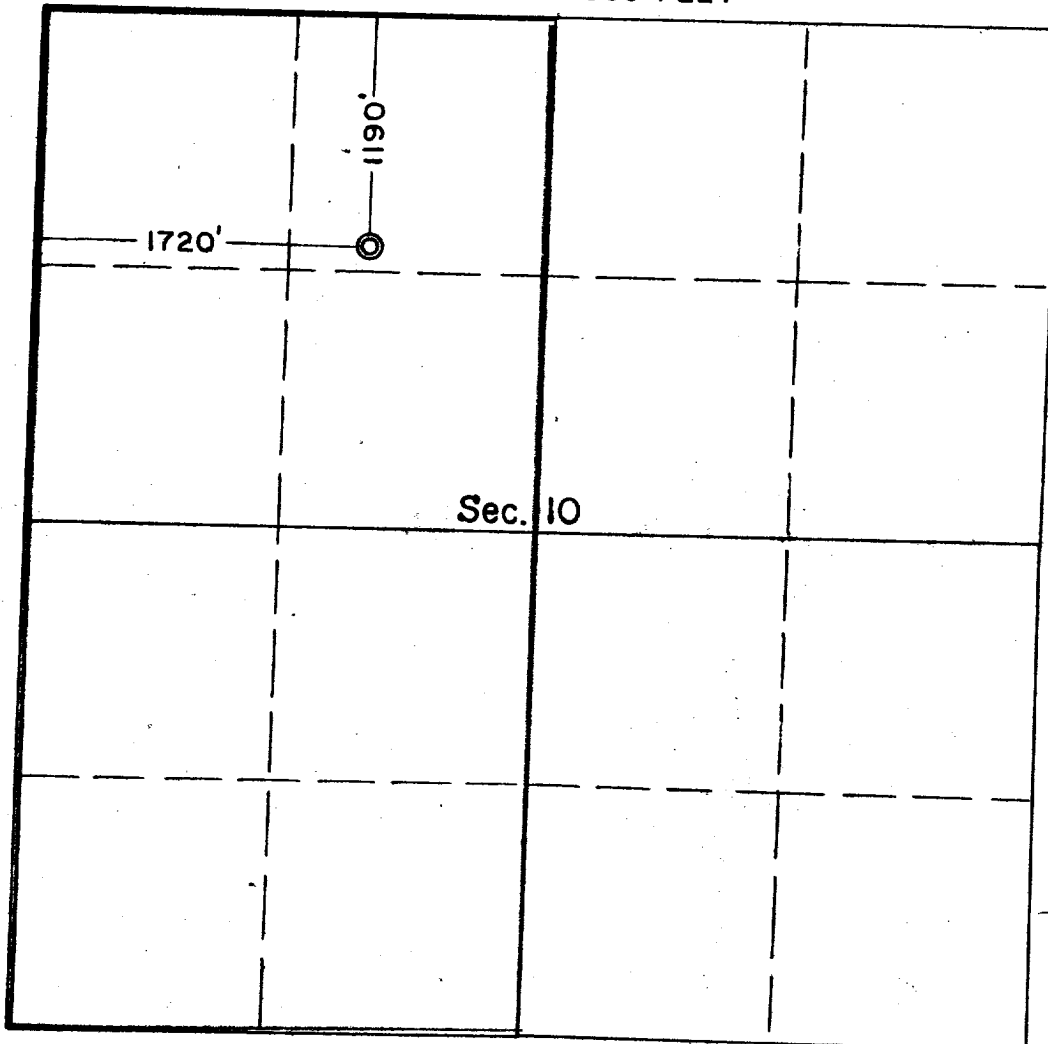
1. IS THE OPERATOR THE ONLY OWNER* IN THE DEDICATED ACREAGE OUTLINED ON THE PLAT BELOW? YES X NO _____
2. IF THE ANSWER TO QUESTION ONE IS "NO," HAVE THE INTERESTS OF ALL THE OWNERS BEEN CONSOLIDATED BY COMMUNITIZATION AGREEMENT OR OTHERWISE? YES _____ NO _____ IF ANSWER IS "YES," TYPE OF CONSOLIDATION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

OWNER

LAND DESCRIPTION

SECTION B.

1 INCH = 1000 FEET



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

Astec Oil & Gas Company
(OPERATOR)

(Original Signed) **Howard J. Speer**
Howard J. Speer
(REPRESENTATIVE)

Drawer #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 JUNE 2, 1964

FOUR STATES ENGINEERING CO.

FARMINGTON, NEW MEXICO

Emmett E. Cochran
REGISTERED ENGINEER OR LAND SURVEYOR

CERTIFICATE NO. 3602