

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK: DRILL ☒ DEEPEN ☐ PLUG BACK ☐

2. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE BORE ☒ MULTIPLE BORE ☐

3. NAME OF OPERATOR: **Astec Oil & Gas Company**

4. ADDRESS OF OPERATOR: **Drawer #770, Farmington, New Mexico**

5. LOCATION OF WELL: Report location clearly and in accordance with any State requirements.
A. SURFACE: **990 PNL 1840 PNL**

At proposed prod. zone

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE:

25 miles

7. DISTANCE FROM PROPOSED:

LOCATION: NEAREST PROPERTY OR LEASE: IRS, ET

Also to nearest drilg. unit line if any.

8. DISTANCE FROM NEAREST LOCATION: (If well is to be drilled on a lease, give the lease number or name of the lease.)

9. ELEVATION (Show whether OF RT GR, etc.):

6293 Ground

6305 IF

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF CASING	SIZE OF TUBING	WEIGHT PER FOOT	SETTING DEPTH
12-1/4"	8-5/8"		300'
7-7/8"	4-1/2"		7595'

Propose To:

Set 300' 8-5/8" surface pipe cemented to surface (225 sacks)

7595' 4-1/2" production casing cemented with 250 sacks.

DV Tool set at base of Mesaverde & Pictured Cliffs and cemented to each formation (650 sacks)

Perforate Dakota section.

Fracture with sand and water

Run 2-3/8" tubing

Proportion unit applied fur. West 1/2 of Section 1. 32.29 Acreage Interest

NWU 506

Subject to state approval
of unorthodox ~~location~~ *proportion unit*

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to deepen or plug back, give data on present production and proposed new production. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give proposed production program if any.

SIGN: **Joe C. Salmon**

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY: *[Signature]*
CONDITIONS OF APPROVAL, IF ANY

TITLE

*See Instructions On Reverse Side

7. NAME OF OPERATOR: **ASTEC OIL & GAS CO.**
8. IF DRILLING, ALL OTHERS ON TRACT NAME:
9. AGREEMENT NAME:
10. OR TRACT NAME:
11. OR TRACT NAME:
12. OR TRACT NAME:
13. OR TRACT NAME:
14. OR TRACT NAME:
15. OR TRACT NAME:
16. COUNTY OR PARISH: **San Juan** STATE: **New Mexico**

17. NO. OF ACRES IN LEASE: **32.29**
18. PROPOSED DEPTH: **7595**
19. RETURN TO: **Notary**
20. APPROVAL DATE WORK WILL START:



SECTION A

OPERATOR **ARTEC OIL & GAS COMPANY**

LEASE **DAVIS**

DATE **Jul 15, 1964**

WELL NO. **13** UNIT LETTER **C** SECTION **1** TOWNSHIP **31 NORTH** RANGE **12 WEST** NMPM

LOCATED **990** FEET FROM **NORTH** LINE **1840** FEET FROM **WEST** LINE

COUNTY **SAN JUAN** S. C. ELEVATION **6293** DEDICATED ACREAGE **312.29** 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

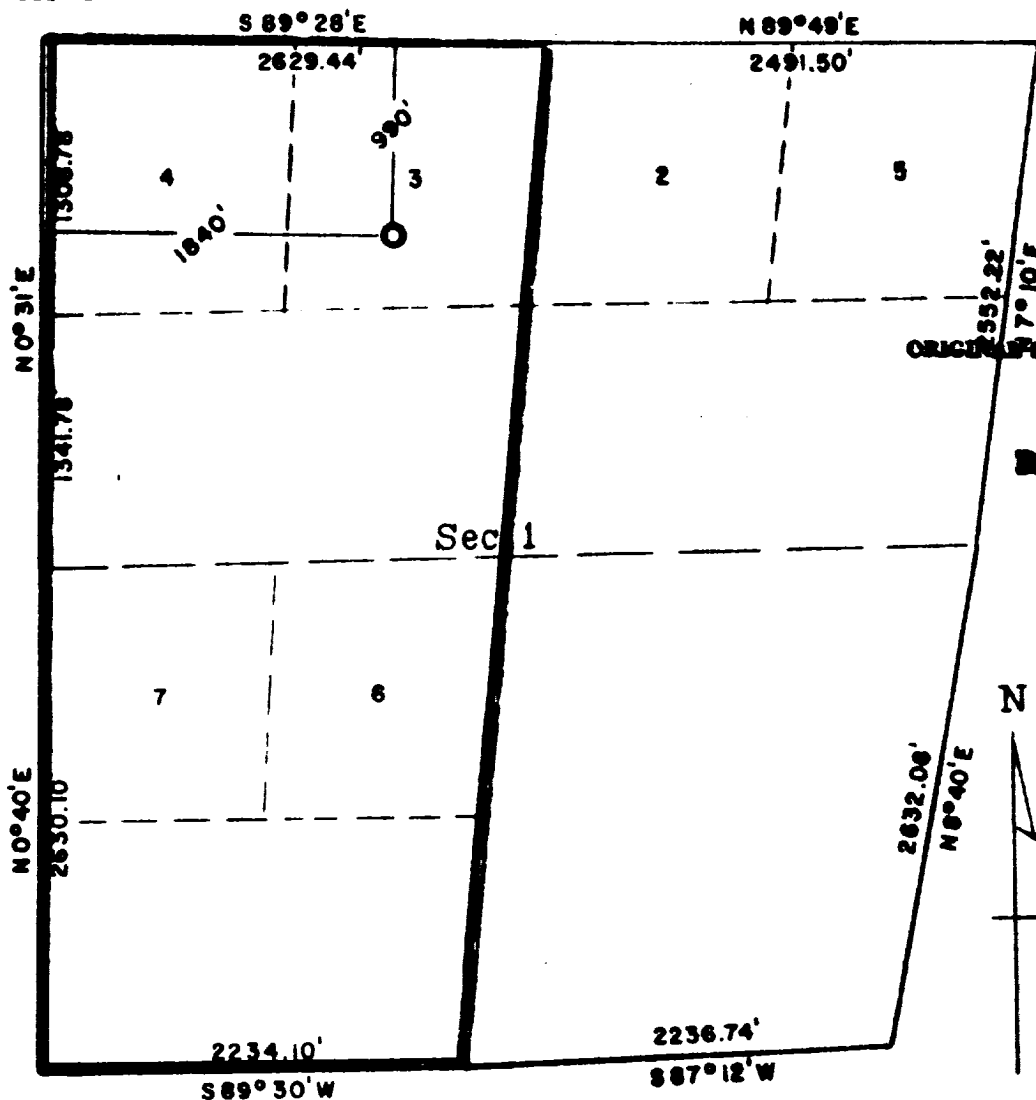
3. IF THE ANSWER TO QUESTION TWO IS "NO," LIST ALL THE OWNERS AND THEIR RESPECTIVE INTERESTS BELOW:

OWNER

LAND DESCRIPTION



SECTION B.



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

Artec Oil & Gas Company
(OPERATOR)

ORIGINAL SIGNED BY **JOE C. SALAS**, **JOE C. SALAS**
REPRESENTATIVE

Joe C. Salas, Farmington, New Mexico
(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 15, 1964**

FOUR STATES ENGINEERING CO.

FARMINGTON, NEW MEXICO

Tom C. Calhoun
REGISTERED ENGINEER OR LAND SURVEYOR

CERTIFICATE NO. **3502**