

UNITED STATES
DEPARTMENT OF THE INTERIORGEOLOGICAL SURVEY *API 30-039-21239*

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Contract #151	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Tribe	
2. NAME OF OPERATOR Aztec Oil & Gas Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Drawer 570, Farmington, New Mexico		8. FARM OR LEASE NAME Arizona Jicarilla "B"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface Section 4, T26N, R5W At proposed prod. zone 1450' FNL & 1030' FWL		9. WELL NO. #4A	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT Blanco Mesaverde	
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 Section 4, T26N, R5W	
16. NO. OF ACRES IN LEASE 319.77		12. COUNTY OR PARISH Rio Arriba	
17. NO. OF ACRES ASSIGNED TO THIS WELL 319.77		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.) 6520 GR.		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
13-3/8"	9-5/8"	32.30#	200	190 sxs.
8-3/4"	7"	20#	3400'	130 sxs.
6-3/4"	4-1/2"	10.50#	3250 - 5600	230 sxs.
	1-1/2"	2.90#	5600'	

PROPOSE TO:

Drill 13-3/8" hole.
Set 200' of 9-5/8". Cement with 190 sacks.
Drill 8-3/4" hole to approximately 3400'.
Run 7" casing. Cement with 130 sacks.
Gas drill 6-3/4" hole to approximately 5600'.
Run 4-1/2" liner from 3250' to Total depth.
Cement with 230 sacks.
Selectively perforate and frac Mesaverde formation.
Run 1-1/2" tubing.
Install well head.

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.

SIGNED _____ TITLE District Superintendent DATE May 28, 1976

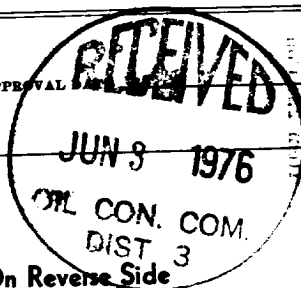
(This space for Federal or State office use)

PERMIT NO. _____

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

APPROVAL



*See Instructions On Reverse Side

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

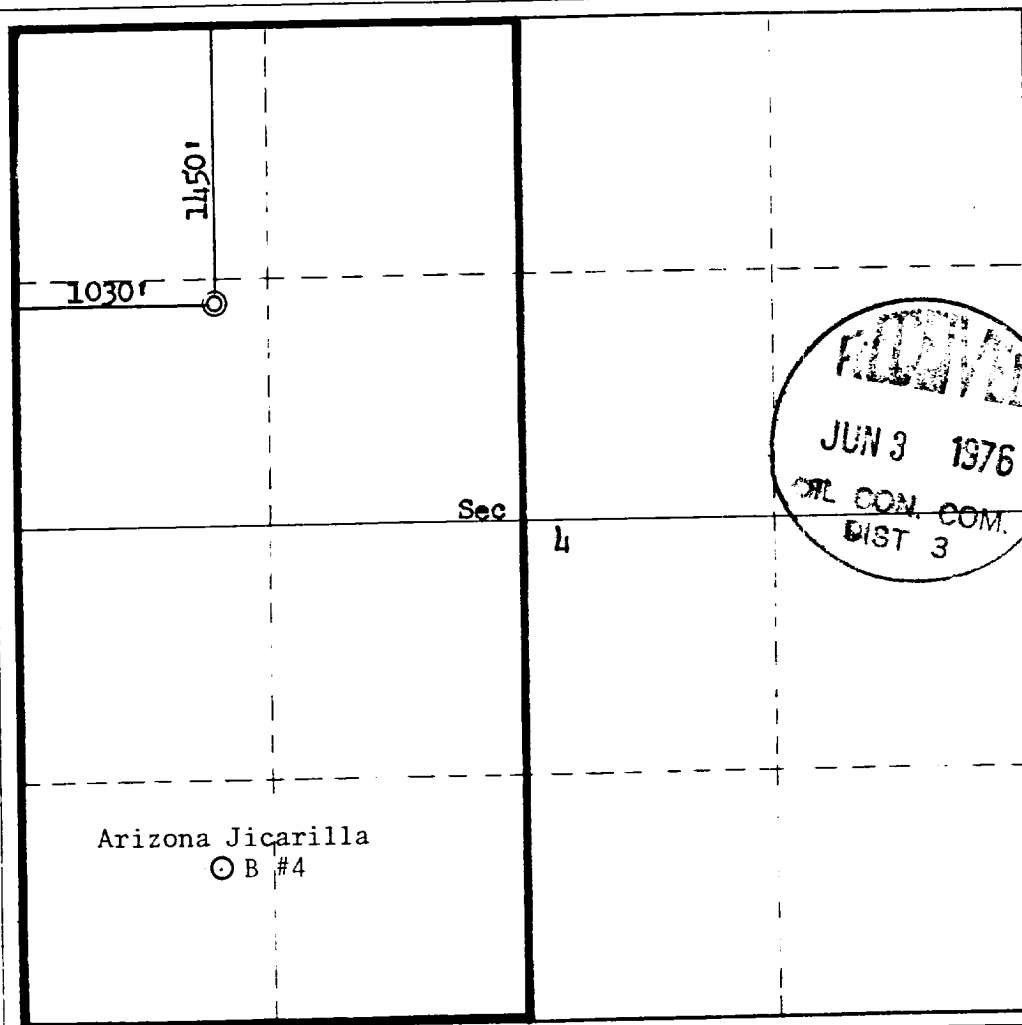
Operator Aztec Oil & Gas Company			Lease Arizona Jicarilla "B"		Well No. 4A
Unit Letter E	Section 4	Township 26N	Range 5W	County Rio Arriba	
Actual Footage Location of Well: 1450 feet from the North line and 1030 feet from the West line					
Ground Level Elev. 6520	Producing Formation Mesa Verde	Pool Blanco ✓		Dedicated Acreage: W / 319.77 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name
L. O. Van Ryan
Position
District Superintendent
Company
Aztec Oil & Gas Company
Date
May 27, 1976

I hereby certify that the well location shown on this plat 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
May 26, 1976
Registered Professional Engineer and/or Land Surveyor
Fred B. Kerr Jr.
Certificate No.
3950

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

AZTEC OIL & GAS COMPANY

P. O. DRAWER 570
FARMINGTON, NEW MEXICO 87401

May 28, 1976

United States Geological Survey
P. O. Box 1809
Durango, Colorado

Attention: Mr. Jerry Long

Dear Sir:

Enclosed please find map showing existing roads and planned access roads to Aztec Oil & Gas Company's Arizona Jicarilla "B" #4A well. The locations of tank batteries and flow lines will be on location with well.

There will be no camps or air strips.

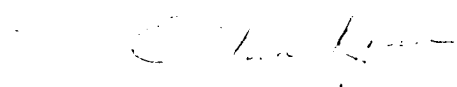
Also enclosed is location layout showing approximate location of rig, pits and pipe racks.

Water supply will be Companero Wash.

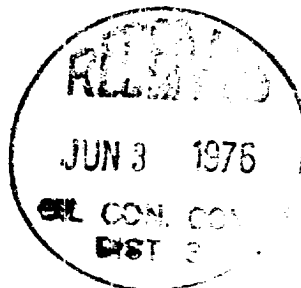
In the event of a dry hole, location will be graded and reseeded according to Bureau of Land Management standards.

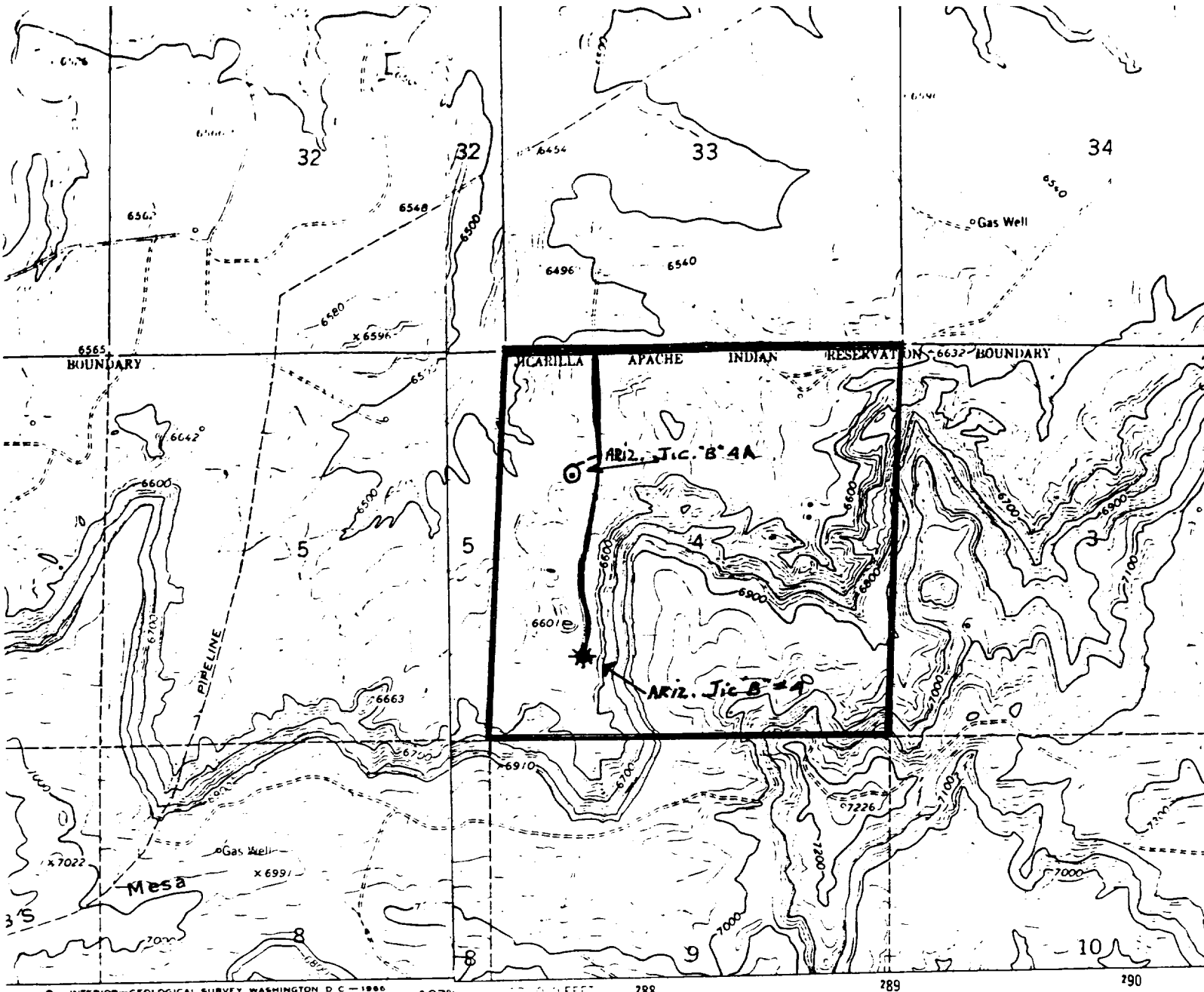
Yours truly,

AZTEC OIL & GAS COMPANY


L. O. Van Ryan
District Superintendent

LOVR/ dg





ROAD CLASSIFICATION

Light-duty ————— Unimproved dirt =====

○ State Route

SANTOS PEAK, N. MEX
N3630-W10722 5/7.5

1963

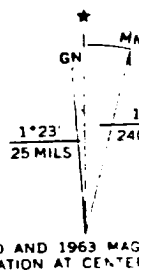
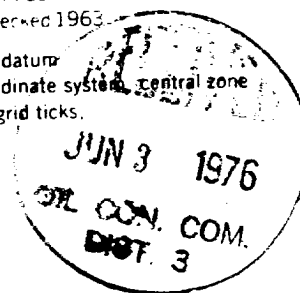
AMS 4557 III SW-SERIES V881

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1958 and 1962. Field checked 1963.

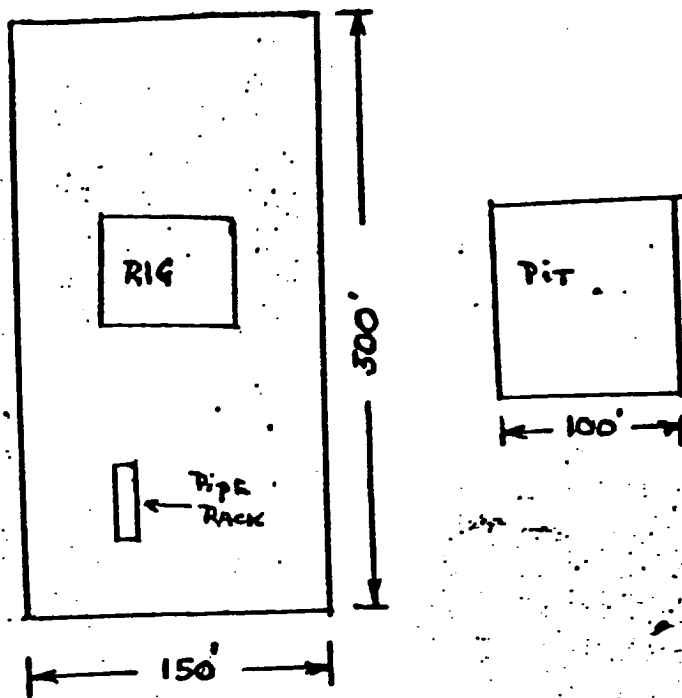
Polyconic projection. 1927 North American datum.
10,000-foot grid based on New Mexico coordinate system, central zone.
1000-meter Universal Transverse Mercator grid ticks, zone 13, shown in blue.



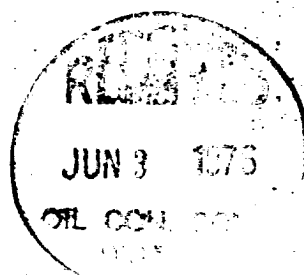
UTM GRID AND 1963 MAG DECLINATION AT CENTER

AZTEC OIL & GAS COMPANY
ARIZONA JICARILLA "B" #4A
NW/4 SECTION 4, T26N, R5W
RIO ARriba COUNTY, NEW MEXICO

- ★ Existing Well
- Proposed Well
- Existing Road
- Proposed Road



LOCATION LAYOUT



AZTEC OIL & GAS COMPANY

P. O. DRAWER 570
FARMINGTON, NEW MEXICO 87401

May 28, 1976

United States Geological Survey
P. O. Box 1809
Durango, Colorado

Attention: Mr. Jerry Long

RE: Blowout Preventer Plan

Dear Sir:

All drilling and completion wells will be equipped with 8" Shaffer LWP double hydraulic blowout preventers and a 2000 "C" Payne Hydraulic closing unit with steel line.

The preventer is 3000# working pressure and 6000# test.

All crews will be thoroughly trained in the operation of this preventer. The preventer will be tested at the beginning of every tower change to insure proper operation.


L. O. Van Ryan
District Superintendent

LOVR/

