

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 ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Aztec Oil & Gas Company

3. ADDRESS OF OPERATOR

P. O. Drawer 570, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1780' FSL & 1670' FWL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

5305'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

W/ 294.96

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6212' GR

22. APPROX. DATE WORK WILL START*

January 15, 1978

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	200'	130 cu. ft.
8-3/4"	7"	20#	2945'	395 cu. ft.
6-1/4"	4-1/2"	10.50#	2795'-5305'	408 cu. ft.
	2-3/8"	4.7#	5250'	

Surface formation is Nacimiento.

Top of Ojo Alamo sand is at 1195'.

Top of Pictured Cliffs sand is at 2645'.

Fresh water mud will be used to drill to intermediate casing point.

An air system will be used to drill to total depth.

It is anticipated that a Gamma Ray Induction and a Gamma Ray Density
log be run at total depth.

No abnormal pressures or poisonous gases are anticipated in this well.

It is expected that this well be drilled before April 1, 1978. This
depends on time required for approvals, rig availability and the
weather.

Gas is dedicated.

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 Production Mgr. Dec. 20, 1977

DATE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

DEC 27 1977

*See Instructions On Reverse Side

U.S. Geological Survey,
Farmington, N.M.

NW 11 - 21

**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.

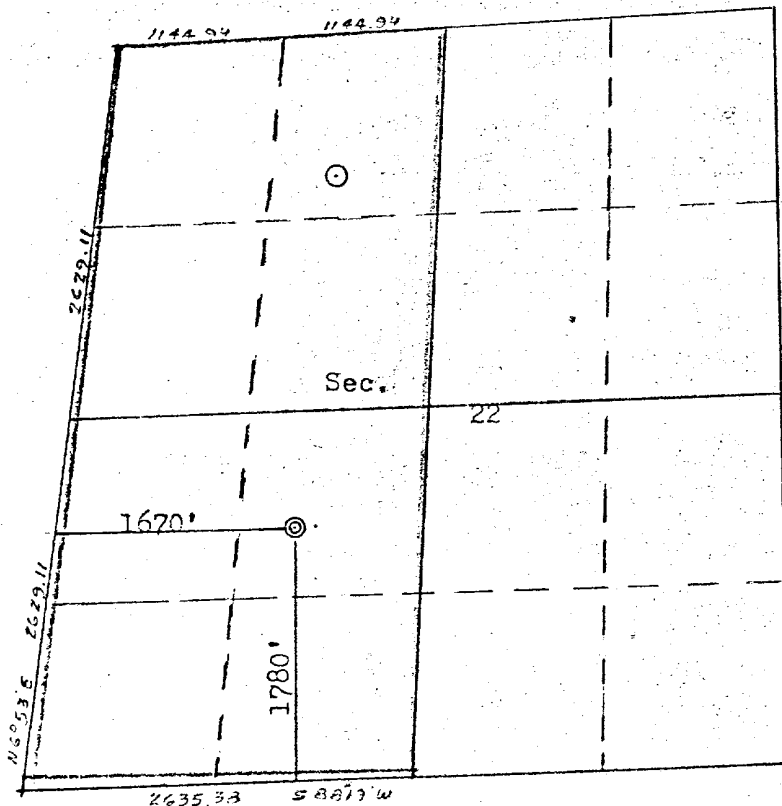
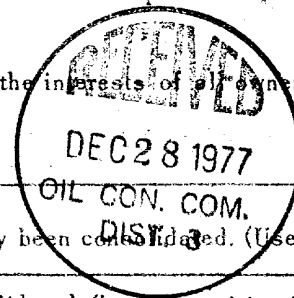
Operator Aztec Oil & Gas Company			Lease Richardson		Well No. 3A
Unit Letter K	Section 22	Township 31N	Range 12W	County San Juan	
Actual Footage Location of Well: 1780 feet from the South line and 1670 feet from the West line					
Ground Level Elev. 6212	Producing Formation Mesa Verde	Pool Blanco		Dedicated Acreage: 294.96 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.



Scale: 4 inches = 1 mile

CERTIFICATION

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

Name _____

Position
Dist. Production Manager

Company
Aztec Oil & Gas Company

Date
December 20, 1977

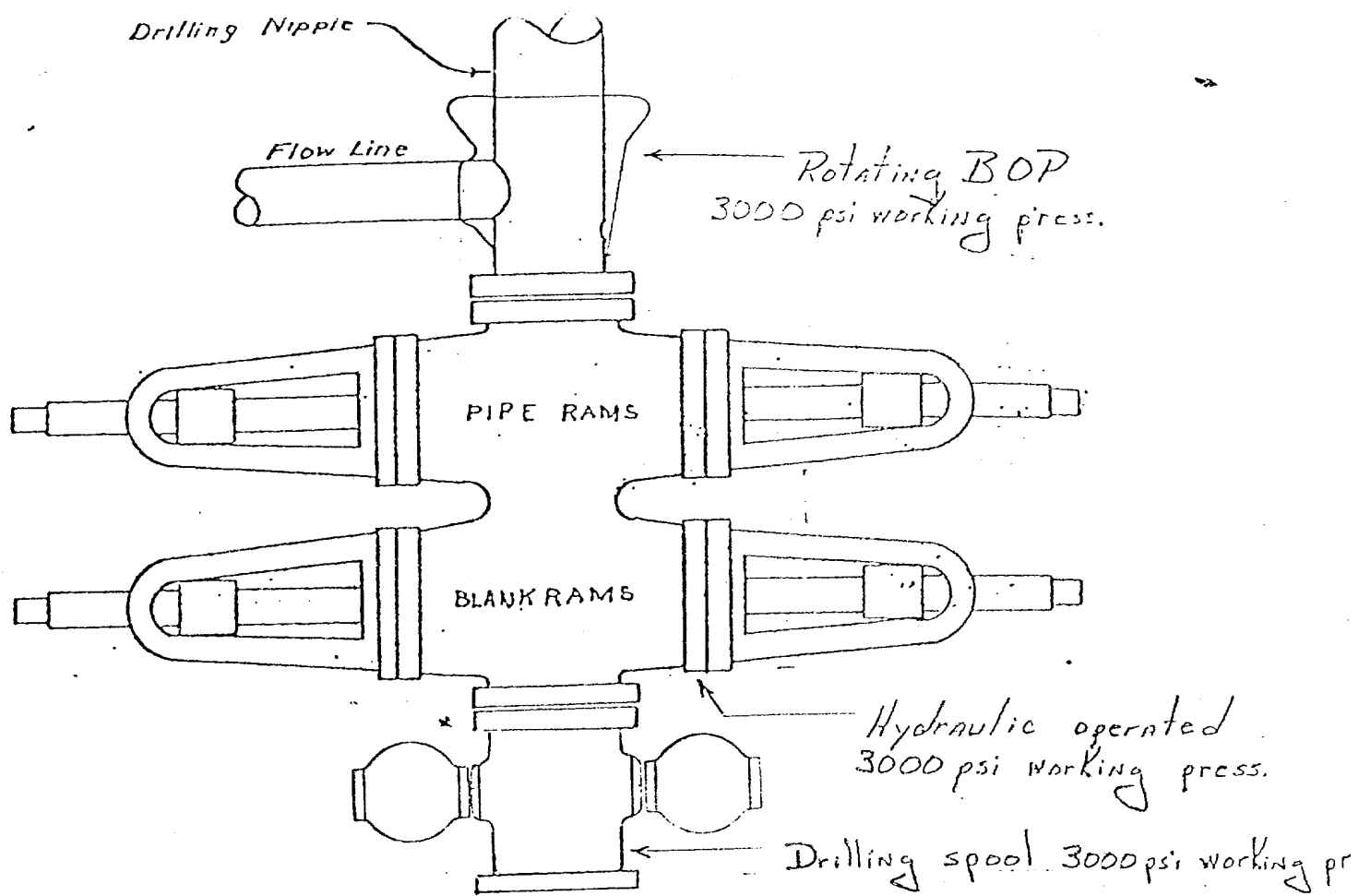
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
November 10, 1977

Registered Professional Engineer
and Land Surveyor

Fred B. Kerr
Fred B. Kerr

Certificate No.
3950

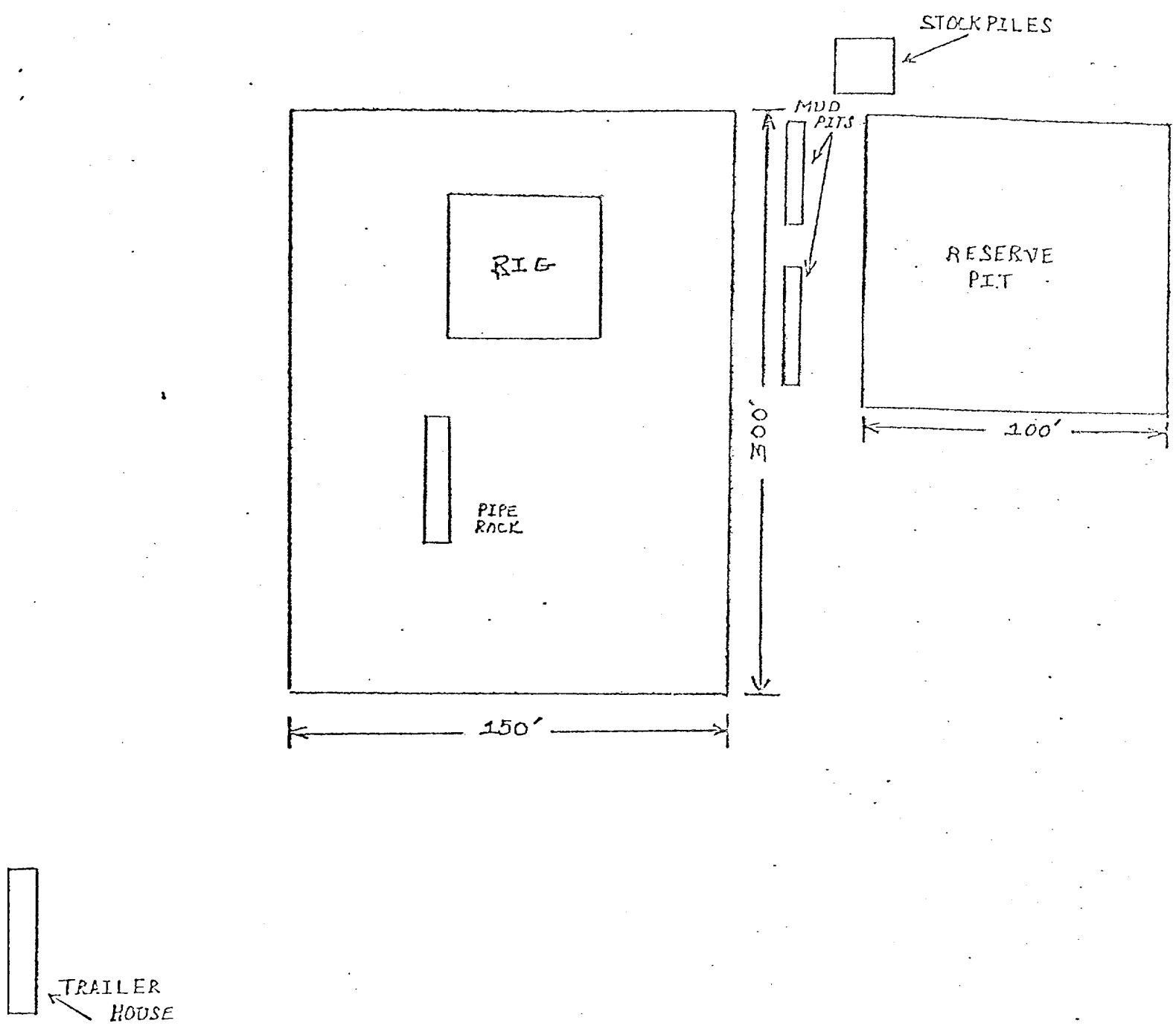


Preventers and spools are to have
through bore of 6" - 3000# PSI or larger.

DUMP
PIT

25'

LOCATION LAYOUT



PARKING AREA

CUT REQUIRED FOR ABOVE
LOCATION: 6'

AZTEC OIL & GAS COMPANY

P. O. DRAWER 570
FARMINGTON, NEW MEXICO 87401

United States Geological Survey
P. O. Box 959
Farmington, New Mexico

Attention: Mr. P. T. McGrath

Dear Sir:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein be performed by Aztec Oil & Gas Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date: December 20, 1977

Name: Curtis A. Pava
Title: District Engineer *clg*

AZTEC OIL & GAS COMPANY

P. O. DRAWER 570
FARMINGTON, NEW MEXICO 87401

December 20, 1977

United States Geological Survey
P. O. Box 959
Farmington, New Mexico 87401

Attention: Mr. P. T. McGrath

Enclosed please find map showing existing roads and planned access roads to Aztec Oil & Gas Company's Richardson #3A well. The locations of tank batteries and flow lines will be on location with well. A burn pit will be provided for disposal of trash. Cuttings, drilling fluid and produced fluids will be put into the reserve pit and properly disposed of depending on amount and type of fluids.

There will be no camps or air strips.

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

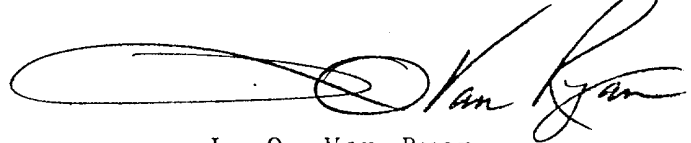
Water supply will be Farmer's Ditch.

The location will be restored according to Bureau of Land Management standards. This work will begin when all related construction is finished.

Mr. Max Larson will be Aztec Oil and Gas Company's field representative supervising these operations.

Yours truly,

AZTEC OIL & GAS COMPANY

A handwritten signature in dark ink, appearing to read "L. O. Van Ryan", is written over a horizontal line.

L. O. Van Ryan
District Production Manager

LOVR/dg

AZTEC OIL & GAS COMPANY

P.O. DRAWER 570
FARMINGTON, NEW MEXICO 87401

December 20, 1977

United States Geological Survey
P. O. Box 959
Farmington, New Mexico

Attention: Mr. P. T. McGrath

Re: Blowout Preventer Plan

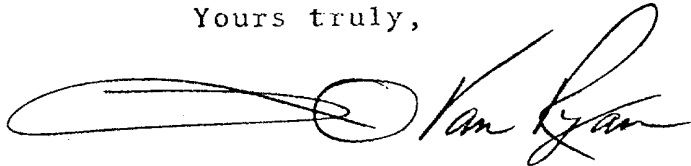
Dear Sir:

All drilling and completion rigs will be equipped with 6" or larger double gate hydraulic blowout preventers and a Hydraulic operated closing unit with steel lines.

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.

Yours truly,

A handwritten signature in black ink, appearing to read "L. O. Van Ryan". The signature is stylized with a large, sweeping loop at the beginning and a cursive script for the rest of the name.

L. O. Van Ryan
District Production Manager

LOVR/dg



Vicinity Map for
AZTEC OIL & GAS CO. #3A Richardson
1780'PSL 1670'PSL Sec 22-T31N-R12W
San Juan County, New Mexico