

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 87401

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

At surface

1450' FSL & 790' 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

2198.38

19. PROPOSED DEPTH

5497'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

W/276.94 320

20. ROTARY OR CABLE TOOLS

Rotary

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

6296' GR

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	9-5/8"	36#	200'	224 cu. ft.
8-3/4"	7"	23#	3156'	344 cu. ft.
6-1/4"	4-1/2"	10.50#	3006'-5497'	433 cu. ft.
	2-3/8"	4.7#	5450'	

Surface formation is Nacimiento.

Top of Ojo Alamo sand is at 1637'.

Top of Pictured Cliffs sand is at 2856'.

A fresh water mud system will be used for drilling to intermediate casing point.

An air system will be used for drilling to total depth.

It is anticipated that IES and Density logs will be run at total depth.

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

It is expected that this well will be drilled before June 1, 1977. This depends
on time required for approvals, rig availability and the weather.We will follow the surface restoration plan set out by the appropriate surface
agency and the U.S.G.S..

You will be notified when approval from land owner is obtained.

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 Manager DATE November 11, 1976

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

NOV 22 1976

U. S. GEOLOGICAL
SURVEY

*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.

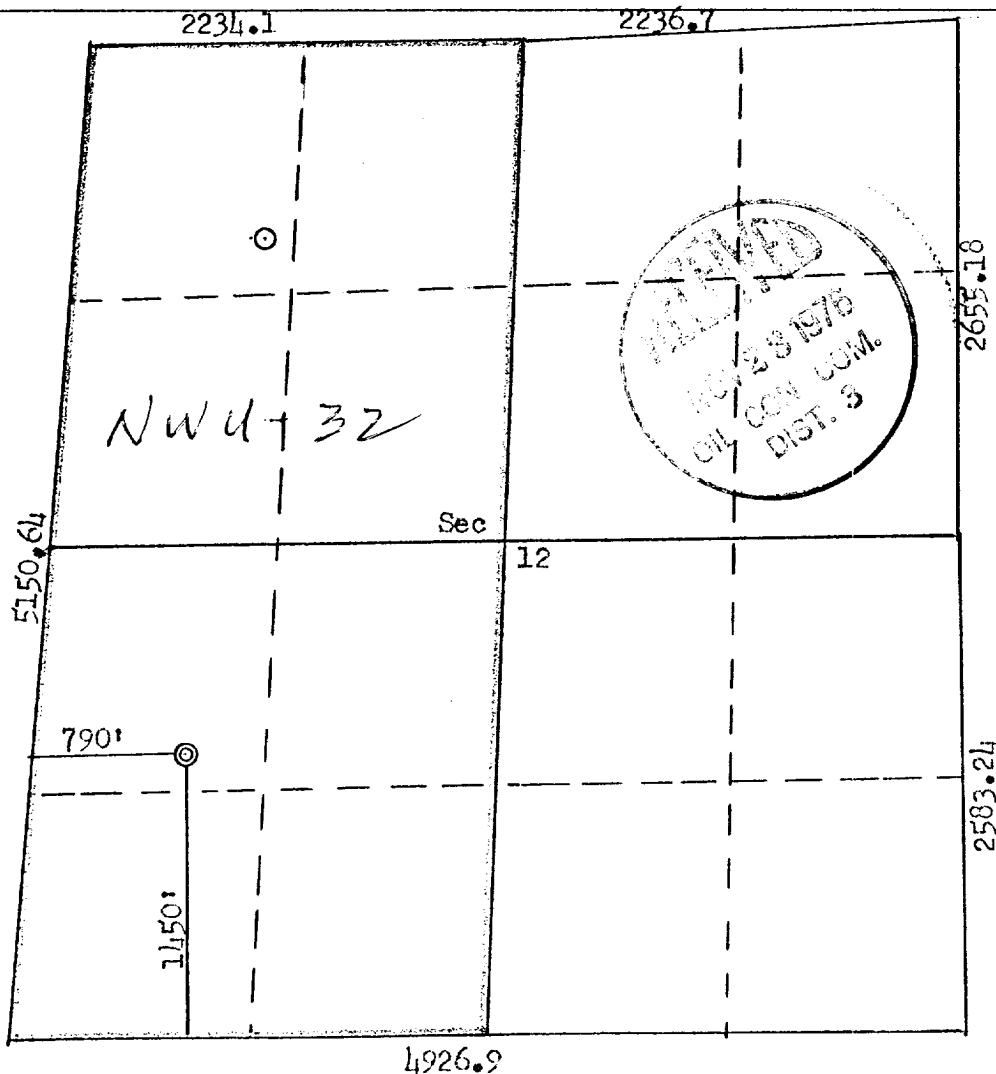
Operator Aztec Oil & Gas Company			Lease Davis		Well No. 4A
Unit Letter L	Section 12	Township 31N	Range 12W	County San Juan	
Actual Footage Location of Well: 1450 feet from the South line and 790 feet from the West line					
Ground Level Elev: 6296	Producing Formation Mesa Verde		Pool Blanco		Dedicated Acreage: 320 276.94 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.



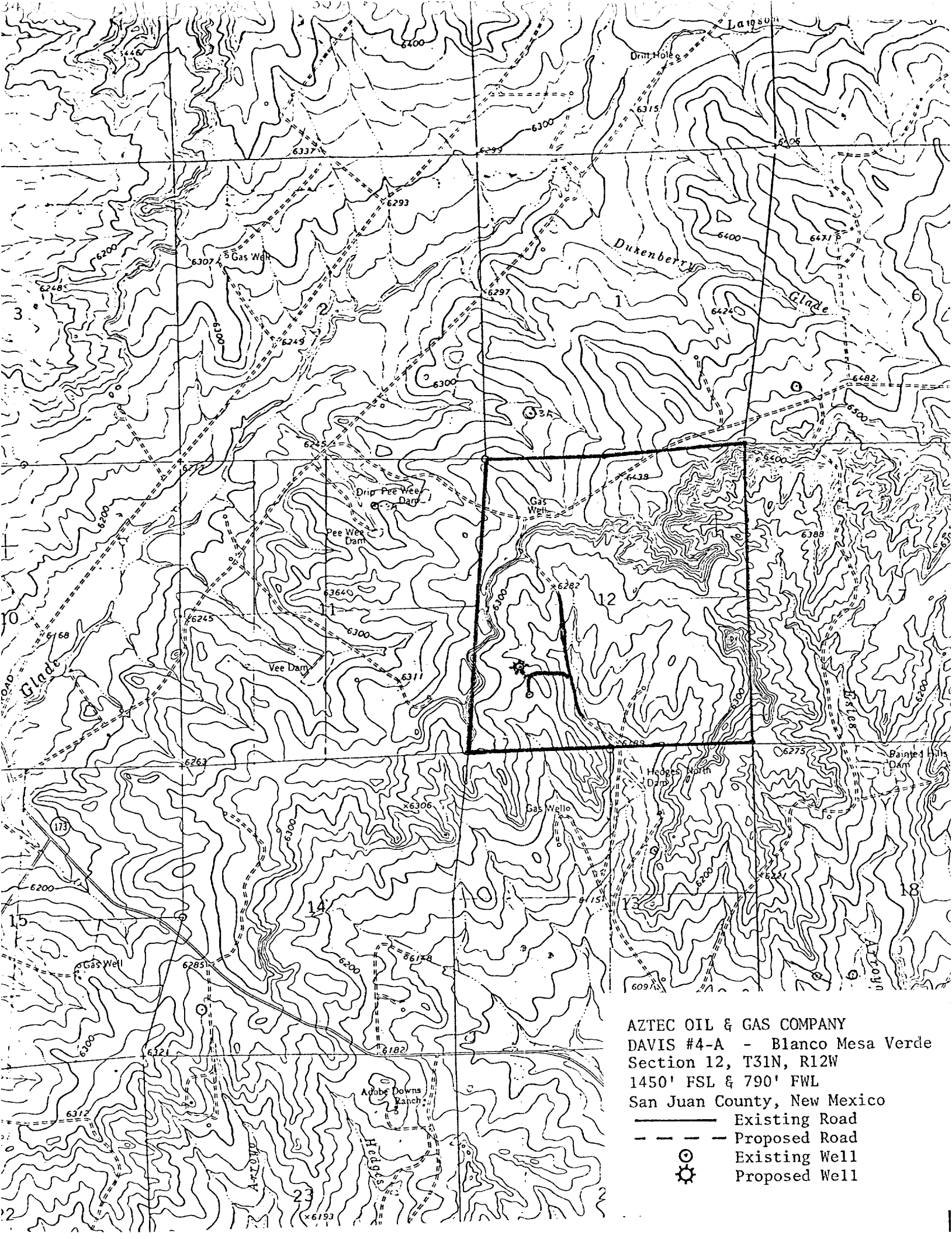
CERTIFICATION

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

Name *E. Van Rya*
Position
District Production Manager
Company
Aztec Oil & Gas Company
Date
November 11, 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
October 21, 1976
Registered Professional Engineer and Land Surveyor
Fred B. Kern Jr.
Certificate No.
3950



AZTEC OIL & GAS COMPANY
DAVIS #4-A - Blanco Mesa Verde
Section 12, T31N, R12W
1450' FSL & 790' FWL
San Juan County, New Mexico

— Existing Road
- - - Proposed Road
⊙ Existing Well
⊛ Proposed Well

AZTEC OIL & GAS COMPANY

P. O. DRAWER 570
FARMINGTON, NEW MEXICO 87401

November 11, 1976

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 Davis #4-A 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 Aztec Irrigation Ditch.

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

Mr. Jim Brown will be Aztec Oil & Gas Company's field representative supervising these operations.

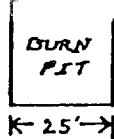
Yours truly,

AZTEC OIL & GAS COMPANY

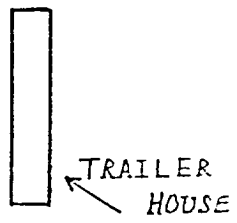
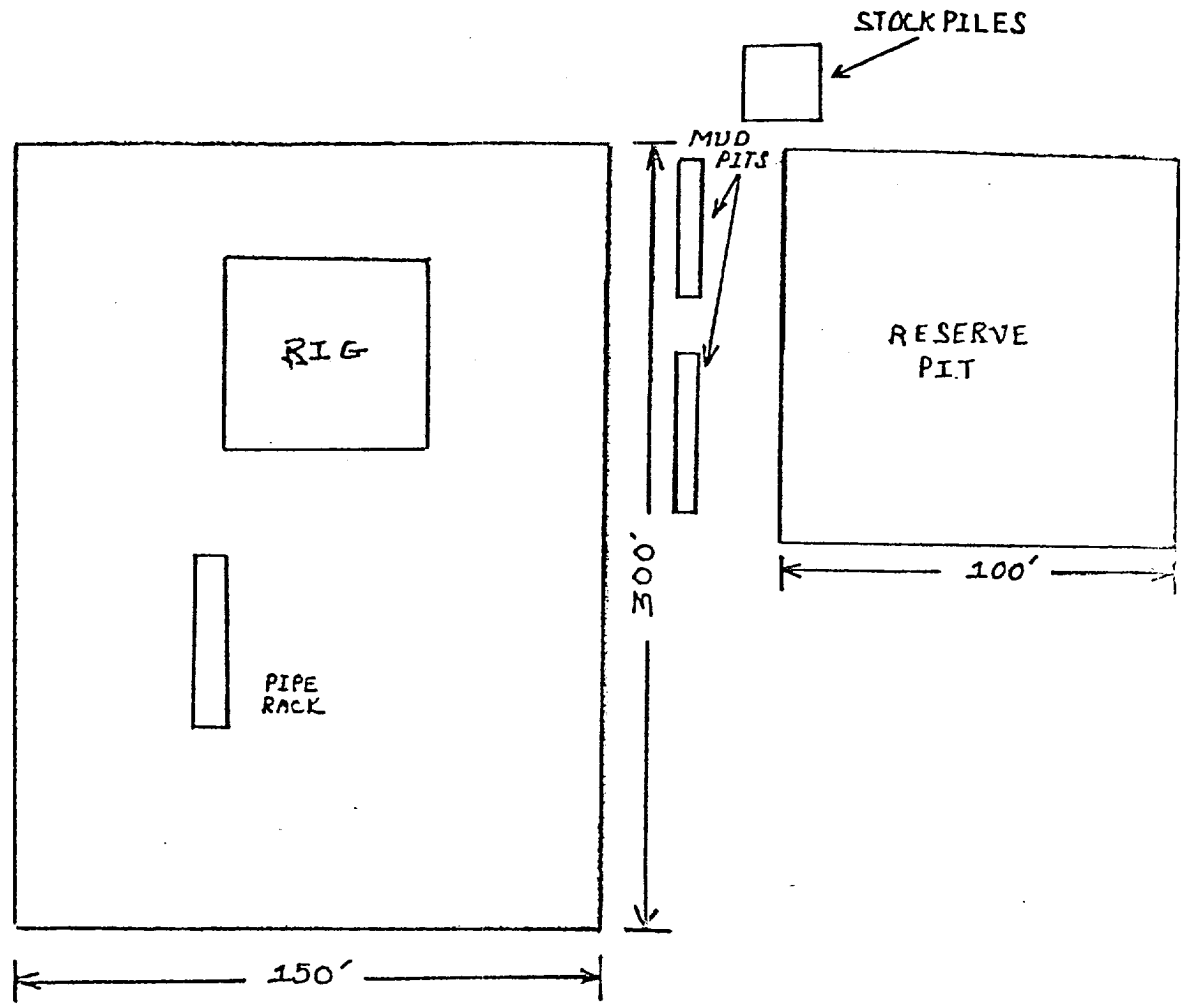
A handwritten signature in black ink, appearing to read "L. O. Van Ryan", is written over a large, stylized circular flourish.

L. O. Van Ryan
District Superintendent

LOVR/dg

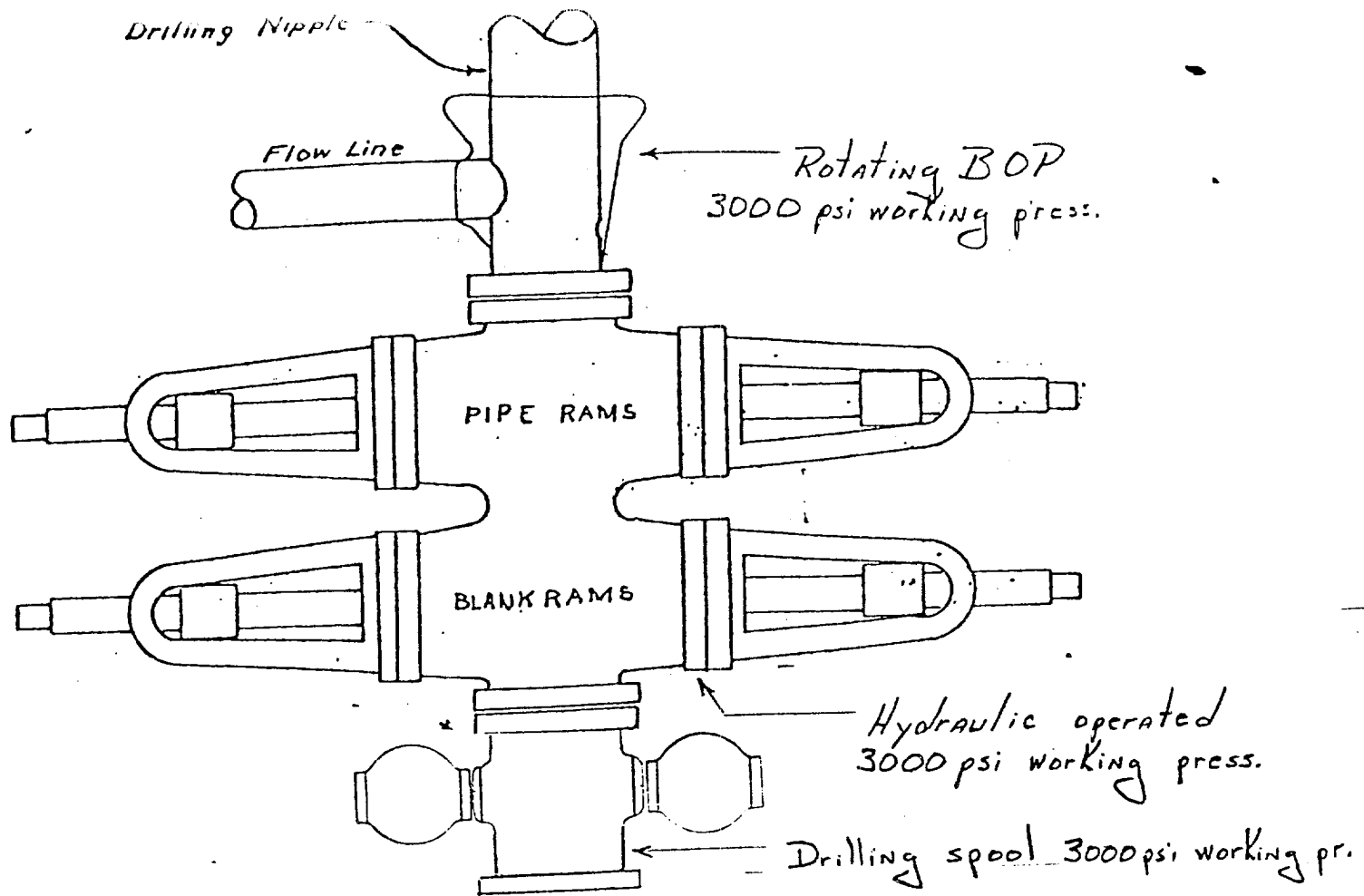


LOCATION LAYOUT



PARKING AREA

CUT REQUIRED FOR ABOVE LOCATION: 2'



Preventers and spools are to have
through bore of 8" - 3000# PSI or larger.

AZTEC OIL & GAS COMPANY

P. O. DRAWER 570
FARMINGTON, NEW MEXICO 87401

November 11, 1976

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: November 11, 1976

Name: Jim Brown

Title: Drilling Foreman

AZTEC OIL & GAS COMPANY

P. O. DRAWER 570
FARMINGTON, NEW MEXICO 87401

November 11, 1976

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

Attention: Mr. P. T. McGrath

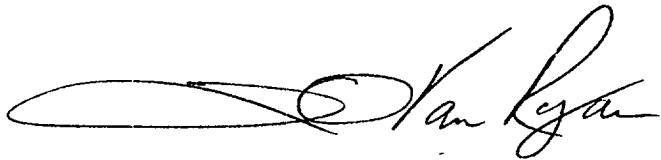
RE: Blowout Preventer Plan

Dear Sir:

All drilling and completion rigs will be equipped with 8" 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.



L. O. Van Ryan
District Production Manager

LOVR/dg