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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-4-65

5A. Indicate Type of Lease
STATE ☒ FEE ☐
5. State Oil & Gas Lease No.
MM L-3881

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL ☐ GAS WELL ☒ OTHER ☐		8. Name of Lease Name	
DRILL ☒ DEEPEN ☐ PLUG BACK ☐		State "AR"	
c. Name of Operator		9. Well No.	
Astec Oil & Gas Company		1	
d. Address of Operator		10. Field and Pool, or Wildcat	
P.O. Box 837, Hobbs, New Mexico 88240		Antelope Ridge-Morrow	
1. Location of Well		11. County	
UNIT LETTER C LOCATED 990 FEET FROM THE North LINE		Lea	
ANT 1980 FEET FROM THE West LINE OF SEC. 35 TWP. 23s RGE. 34e NMPN			
13. Proposed Depth		13A. Formation	
13800'		Morrow	
14. Estimated Volume (Show whether DE, KI, etc.)		20. Rotary or C.T.	
3446.1 GL		Rotary	
21A. Kind & Status Plug Bond		22. Approx. Date Work will start	
State-wide		3/15/77	
21B. Drilling Contractor			
Undecided			

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
20"	16"	65# K	700'	750	Circulate
14 3/4"	10 3/4"	40.5# & 45.5# N	5200'	3150	Circulate
9 1/2"	7 5/8"	33.7# & 39# N	12100'	1500	4500
6 1/8"	5" liner	18# P110	11800-13800'	300	11800

* See Attachments for Blow-out Preventer & Stipulations.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES 5-16-77

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Thayer A. Wilson Title District Clerk Date 2/24/77

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT DATE FEB 16 1977

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

FEB 11 1977

GIL CONSERVA. & COMM.
HONOLULU, H. I.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All distances must be from the outer boundaries of the Section

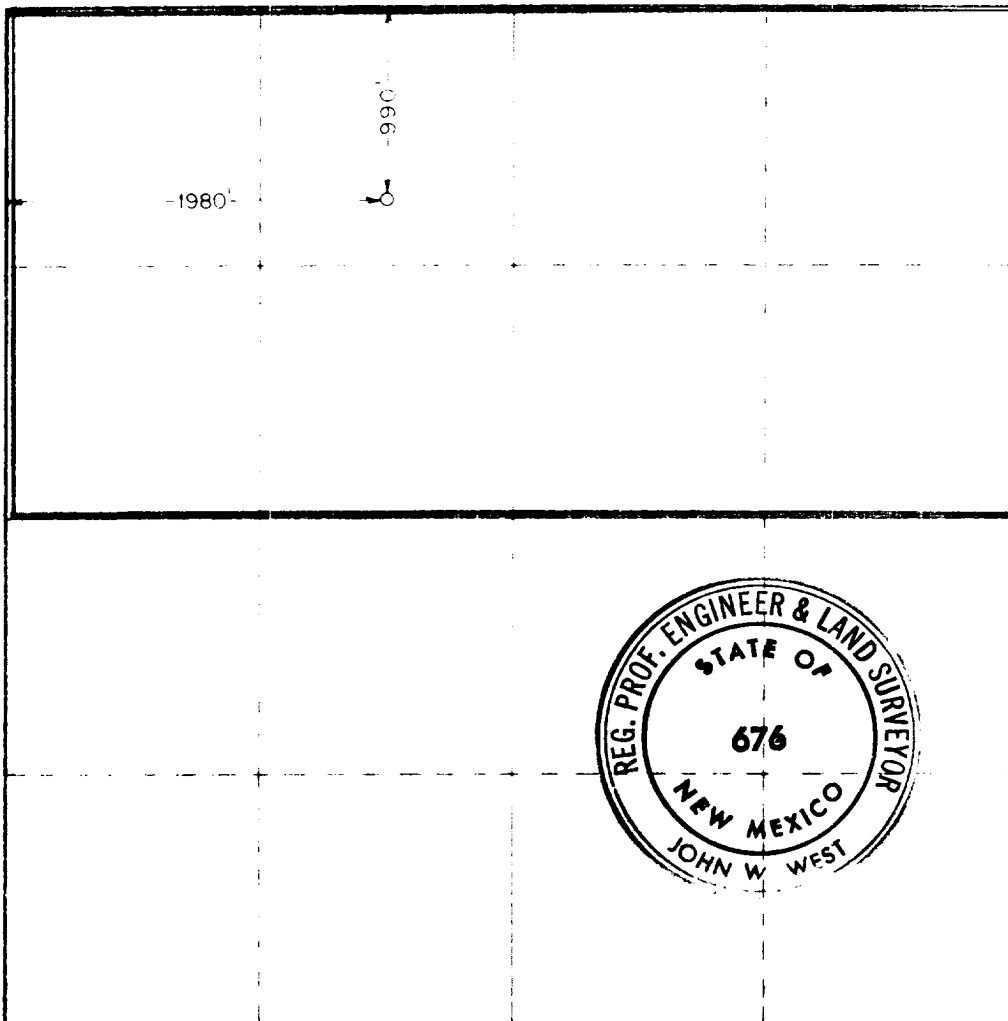
Lessee AZTEC OIL & GAS CORP.		State STATE AR		Acres 1	
Section C	Section 35	Township 23 South	Range 34 East	Lea	
Actual Surface Location of Well:					
990		North		1980	
feet from the		line and		feet from the	
3446.1		Morrow		Antelope Ridge - Morrow	
feet from the		line and		feet from the	
320		West		320	
feet from the		line and		feet from the	
320		West		320	

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

Hugh H. Tom

District Clerk

Aztec Oil & Gas Co.

2/14/77

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.

February 10, 1977

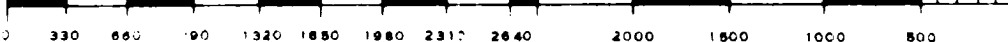
Date Surveyed

Registered Professional Engineer and Land Surveyor

John W. West

Certificate No.

676

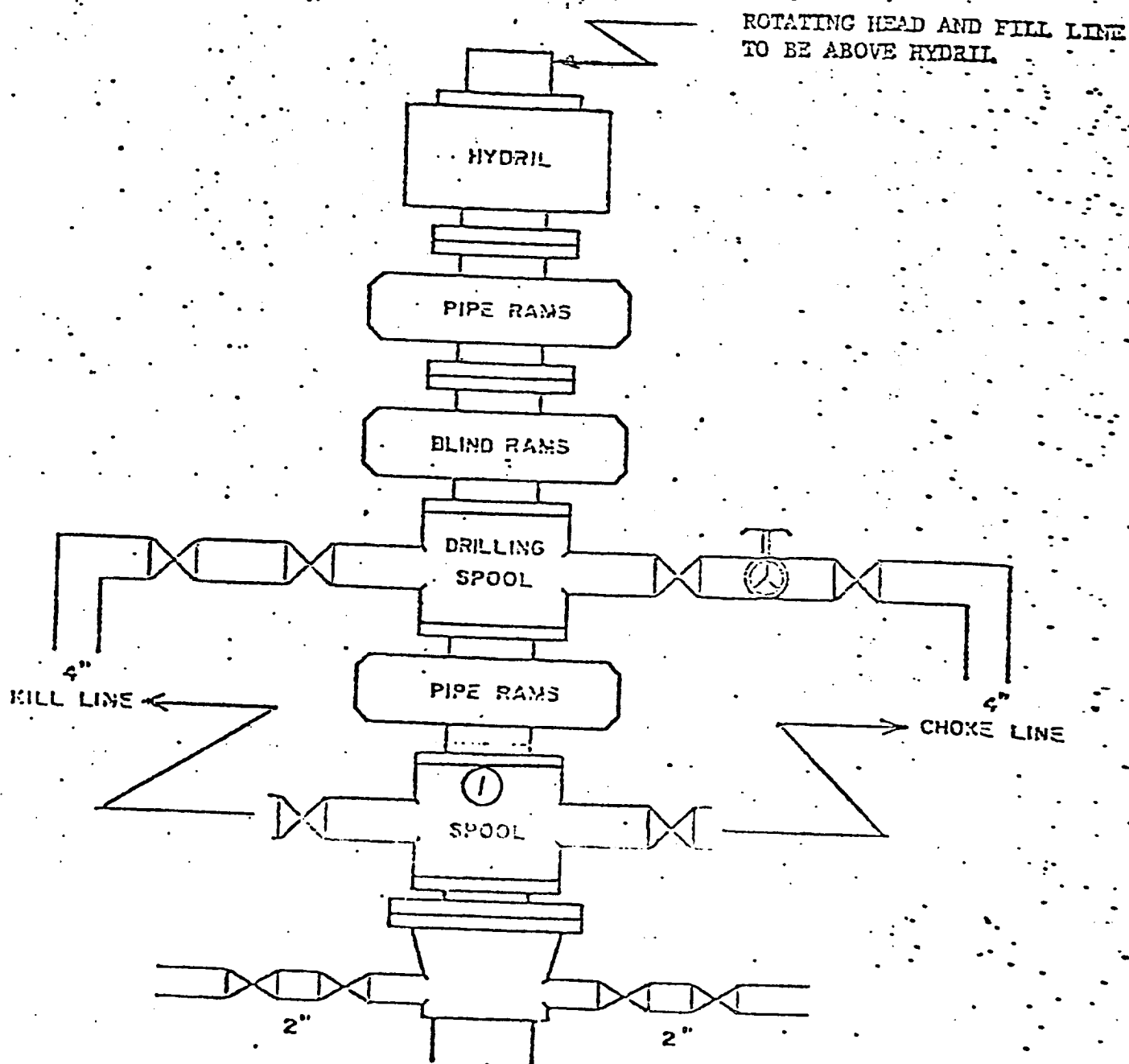


SAFETY EQUIPMENT STIPULATIONS

BOP

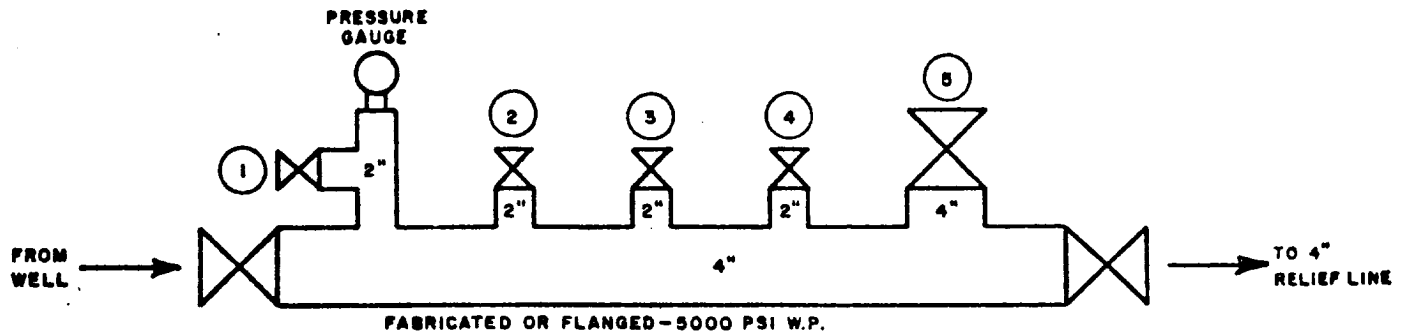
1. Blowout Prevention & Master Valve to be fluid operated and all fittings must be in good condition (min. 3000# wp 6000# tests).
2. Equipment through which bit must pass shall be as large as the inside diameter of casing that is being drilled through.
3. Kelly Cock required (min 3000# wp 6000# test).
4. Omsco or comparable safety valve must be available on rig floor at all times with proper connections or sub. (min 3000# wp 6000# test)

PROPOSED BOP STACK
10" - 5000 PSI



① — SPOOL NOT NEEDED IF LOWER PIPE RAMS HAVE OUTLETS THAT CAN BE TIED INTO CHOKE LINE AND KILL LINE.

CHOKE MANIFOLD



- ① FROM LOWER SPOOL OR LOWER BOP - TO BE TIED-IN AFTER 10 3/4" OD CSG RUN.
- ② FOR SWACO CHOKE - TO BE TIED-IN BEFORE REACHING 11,670' (WOLFCAMP).
- ③ FOR ADJUSTABLE CHOKE - TO BE TIED-IN AFTER 10 3/4" OD CASING RUN.
- ④ FOR POSITIVE CHOKE - TO BE TIED-IN AFTER 10 3/4" OD CSG RUN.
- ⑤ FOR BYPASS - TO BE TIED-IN BEFORE REACHING 11,670' (WOLFCAMP)
- ② ③ ④ WILL GO TO MUD GAS SEPARATOR WHEN INSTALLED

NOTE: ALTERNATE MANIFOLD ARRANGEMENTS WILL BE CONSIDERED