

MARTIN YATES, III
1912 - 1985
FRANK W. YATES
1936 - 1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 748-1471

S. P. YATES
CHAIRMAN OF THE BOARD
JOHN A. YATES
PRESIDENT
PEYTON YATES
EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY
DENNIS G. KINSEY
TREASURER

June 16, 1992

Mr. Walt Thayer
IMC Fertilizer, Inc.
P.O. Box 71
Carlsbad, New Mexico 88220

Dear Mr. Thayer:

Yates Petroleum Corporation is the operator of the Oil and Gas Lease NM-71774. We have staked the following location:

Feline "ALF" Federal #6
1980' FSL and 660' FWL
Section 34-T21-R30E
Eddy County, New Mexico

An Application to Drill is being filed with the Bureau of Land Management.

We have been advised that your company is the owner of record of certain potash leases in this area. We respectfully request that you waive any objection you may have to this proposed well location and so indicate by signing and returning one copy of this letter in the enclosed envelope.

Your favorable consideration of this request will be greatly appreciated.

Sincerely,

YATES PETROLEUM CORPORATION

Clifton R. May
Clifton R. May
Permit Agent

CRM:tgr
Enclosures

NO OBJECTIONS OFFERED

IMC FERTILIZER, INC.

By: *Don Monahan*

Title: *Mine Manager*

Date: *June 17, 1992*

OBJECTIONS OFFERED

IMC FERTILIZER, INC.

By: _____

Title: _____

Date: _____

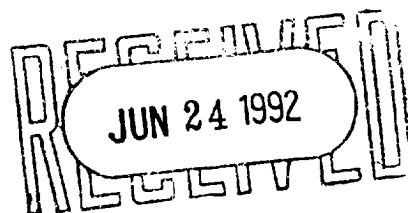
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June 16, 1992



Mississippi Chemical Corporation
Randy Foote, General Manager
P.O. Box 101
Carlsbad, NM 88220-0101

Dear Mr. Foote:

Yates Petroleum Corporation is the operator of the Oil and Gas Lease NM-71774. We have staked the following location:

Feline "ALF" Federal #6
1980' FSL and 660' FWL
Section 34-T21S-R30E
Eddy County, New Mexico

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We have been advised that your company is the owner of record of certain potash leases in this area. We respectfully request that you waive any objection you may have to this proposed well location and so indicate by signing and returning one copy of this letter in the enclosed envelope.

Your favorable consideration of this request will be greatly appreciated.

Sincerely,

YATES PETROLEUM CORPORATION

Clifton R. May
Permit Agent

CRM:tg
Enclosures

NO OBJECTIONS OFFERED

MISSISSIPPI CHEMICAL CORPORATION

By: Randy Foote

Title: General Manager

Date: 6-19-92

OBJECTIONS OFFERED

MISSISSIPPI CHEMICAL CORPORATION

By: _____

Title: _____

Date: _____

YATES PETROLEUM CORPORATION

Feline "ALF" Federal #6

2180' ~~1980'~~ FSL and ~~660'~~ FWL 860'

Section 34-T21S-R30E

Eddy County, New Mexico

SSS

H2S Drilling Operations Plan

Personnel employed at the rig site shall receive training in H2S detection, safe drilling procedures and contingency plans. H2S safety equipment shall be installed and functional 3 days or 500 feet prior to encountering known or probable H2S zone at 3200 feet.

Submitted with the APD is a well site diagram showing:

- 1) Drilling rig orientation, location of flare pit.
- 2) Prevailing wind direction.
- 3) Location of access road.

Primary briefing area will be established 150' from wellbore and up wind of prevailing wind direction. Secondary briefing area will be established 180 degrees from primary briefing area.

A H2S warning sign will be posted at the entrance of the location. Depending on conditions, a green, yellow, or red flag will be displayed.

Green - Normal conditions

Yellow - Potential danger

Red - Danger H2S present

Wind indicators will be placed on location at strategic, highly visible areas. H2S monitors (a minimum of three) will be positioned on location for best coverage and response. H2S concentrations of 10 ppm will trigger a flashing light and 20 ppm will trigger an audible siren.

H2S breathing equipment will consist of:

- 1) 30 minute "pressure demand" type working unit for each member of rig crew on location.
- 2) 5 minute escape packs for each crew member.
- 3) Trailer with a "cascade air system: to facilitate working in a H2S environment for time period greater than 30 minutes.

Breathing equipment will be stored in weather proof cases or facilities. They will be inspected and maintained weekly.

The mud system will be designed to minimize or eliminate the escape of H2S at the rig floor. This will be accomplished through the use of proper mud weight, proper pH control of the drilling fluid and the use of H2S scavengers in the drilling fluid. A mud gas separator will be utilized when H2S has is present in the mud.

Drilling experience has shown that wells in developmental areas, (i.e. Dagger Draw, Livingston Ridge Delaware, and Lusk Delaware) are normally pressured and don't experience either H₂S kicks or loss of returns. Due to these circumstances, we request exceptions to the rule requiring flare line with remote lighter and choke manifold with minimum of one remote choke. This equipment would be provided on exploratory wells or wells with the known potential for H₂S kicks. Additionally, a SO₂ monitor would be positioned near the flare line, and a rotating head utilized.

The drill string, casing, tubing, wellhead, blowout preventers and associated lines and valves will be suitable for anticipated H₂S encounters.

Radio and or mobile telephone communication will be available on site. Mobile telephone communication will be available in company vehicles.

Drill stem testing to be performed with a minimum number of essential people on location. They will be those necessary to safely conduct the test. If H₂S is encountered during a drill stem test, essential personnel will mask up and determine H₂S concentration. The recovery will then be reversed to flare pit. Pulling of test tools will be conducted in a safe manner.

YATES PETROLEUM CORPORATION

Feline "ALF" Federal #6
 2180' ~~1980'~~ FSL and 060' FWL
 Section 34-T21S-R30E
 Eddy County, New Mexico

SJS

In conjunction with Form 3160-3, Application for Permit to Drill subject well, Yates Petroleum Corporation submits the following ten items of pertinent information in accordance with BLM requirements.

1. The geological surface formation is Sandy Alluvium:
2. The estimated tops of geologic markers are as follows:

Rustler	73'
Top of Salt	359'
Base of Salt	3,231'
Bell Canyon	3,502'
Cherry Canyon	4,450'
Brushy Canyon	6,289'
Bone Springs	7,262'
TD	7,500'

3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Water:	150'
Oil or Gas:	4,450' and 6,289'

4. Proposed Casing Program:

	<u>Hole Size</u>	<u>O.D.</u>	<u>Weight (lb/ft)</u>	<u>Grade</u>	<u>Type</u>	<u>Setting Depth</u>
NEW {	17 1/2"	13 3/8"	54.5 #	J-55	ST&C	250'
	11"	8 5/8"	32.0 #	J-55	LT&C	3550'
	7 7/8"	5 1/2"	15.5 # & 17 #	J-55	LT&C	TD

Surface pipe (0' - 250') will be cemented with 300 sacks C + 2% CaCl + 1/4 lb/sk Celloseal. Yield 1.33 cu.ft./sk. Weight will be 14.8 lb/gal. Quantity sufficient to circulate to surface.

Intermediate pipe (0' - 3550') will be cemented with 1200 sacks C-Lite + 10 lbs/sk salt + 1/4 lb/sk Celloseal. Yield 1.94 cu.ft./sk. Weight will be 12.9 lb/gal. Tailed in with 200 sacks C + 1% CaCl. Yield 1.32 cu.ft./sk. Weight will be 13.8 lb/gal. Quantity will be sufficient to circulate to surface.

Production pipe (0' - 7500') will be cemented with 200 sacks (or sufficient to cover zones of interest) Class H + 5 lb. CSE + .7% CF-14 + 10 lb/sk Gilsonite. Yield 1.45 cu.ft./sk. Weight will be 14.4 lb/gal.

5. Pressure Control Equipment: See Form 3160-3 and Exhibit B.
6. Mud Program: See Form 3160-3.
7. Auxiliary Equipment: Kelly Cock; pit level indicators and flow sensor equipment; sub with full-opening valve on floor, drill pipe connections.

SJS

tie back

8. Testing, Logging and Coring Program:

Samples: Out from under surface casing to TD.

DST's: As warranted.

Coring: None anticipated.

Logging: Dual Induction Laterolog, Gamma Ray/Litho Density, Gamma Ray/Compensated Neutron with Caliper Log.

9. No abnormal pressures or temperatures are anticipated. No H₂S is expected to be encountered during drilling operations. *BHP @ TD is 3488 psig.*

10. Anticipated starting date: As soon as possible after approval. *Duration: 30 days.*

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

Yates Petroleum Corporation

Feline "ALF" Federal #6

2180' ~~1980'~~ FSL and 860' FWL 

Section 34-T21S-R30E

Eddy County, New Mexico

This plan is submitted with Form 3160-3, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of the surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effect associated with the operations.

1. EXISTING ROADS:

Exhibit A is a portion of BLM map showing the well and roads in the vicinity of the proposed location. The proposed wellsite is located approximately 25 miles northeast of Loving, New Mexico and the access route to the location is indicated in red and green on Exhibit A.

DIRECTIONS:

Go out of Carlsbad, New Mexico on Hobbs Highway (62-180) to Road 31. Go south for approximately 8 miles to Cimarron Road (736). Go east approximately 5.5 miles through cattle guard past ranch house. County Road goes south. Continue east on lease road approximately 1.5 miles (road forks past trailer house). Go left approximately 1.5 miles road T's. Turn left and go .4 of a mile to old location. Turn right and follow the road to the Julia "AJL" Federal #4 location. Continue west approximately .5 of a mile. The new access road will start here and go south.

2. PLANNED ACCESS ROAD

- A. The proposed new access will be approximately 1100' in length from point of origin to the southwest edge of the drilling pad. The road will lie in a southerly direction.
- B. The new road will be 14 feet in width (driving surface) and will be adequately drained to control runoff and soil erosion.
- C. The new road will be bladed with drainage on both sides. Adequate traffic turnouts will be built.
- D. The route of the road is visible.

3. LOCATION OF EXISTING WELL

- A. There is drilling activity within one-mile radius of the wellsite.
- B. Exhibit D shows existing wells within a one-mile radius of the proposed wellsite.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. There are no production facilities on this lease at the present time.
- B. In the event that the well is productive, the necessary production facilities will be installed on the drilling pad. If the well is productive oil, a gas or diesel self-contained unit will be used to provide the necessary power. No power will be required if the well is productive of gas.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. It is planned to drill the proposed well with a fresh water system. The water will be obtained from commercial sources and will be hauled to the location by truck over the existing and proposed roads shown in Exhibit A.

6. SOURCE OF CONSTRUCTION MATERIALS:

Request that BLM provide a pit in that area.

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings will be disposed of in the reserve pits.
- B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.
- C. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or separate disposal application will be submitted.
- D. Oil produced during operations will be stored in tanks until sold.
- E. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- F. All trash, junk, and other waste materials will be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary land fill. Burial on site is not approved.

8. ANCILLARY FACILITIES:

- A. None required.

9. WELLSITE LAYOUT:

- A. Exhibit C shows the relative location and dimensions of the well pad, the reserve pits, the location of the drilling equipment, rig orientation and access road approach.
- B. The reserve pits will be plastic lined.
- C. A 400' x 400' area has been staked and flagged.

10. PLANS FOR RESTORATION

- A. After finishing drilling and/or completion operations, all equipment and other material not needed for further operations will be removed. The location will be cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing a condition as possible.
- B. Unguarded pits, if any, containing fluids will be fenced until they have dried and been levelled.
- C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the Bureau of Land Management will be complied with and will be accomplished as expeditiously as possible. All pits will be filled level within 90 days after abandonment.

11. SURFACE OWNERSHIP: Federal surface administered by the Bureau of Land Management.

12. OTHER INFORMATION:

- A. Topography: Refer to the existing archaeological report for a description of the topography, flora, fauna, soil characteristics, dwellings, historical and cultural sites.
- B. The primary surface use is for grazing.

13. OPERATOR'S REPRESENTATIVE

A. Through A.P.D. Approval:

Clifton R. May, Permit Agent
Yates Petroleum Corporation
105 South Fourth Street
Artesia, New Mexico 88210
Phone (505) 748-1471

B.

Through Drilling Operations,
Completions and Production:

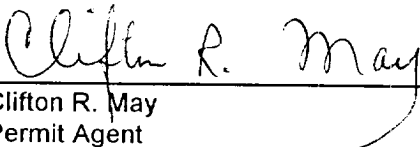
Mike Slater, Operations Manager
Yates Petroleum Corporation
105 South Fourth Street
Artesia, New Mexico 88210
Phone (505) 748-1471

14. CERTIFICATION:

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 will be performed by Yates Petroleum Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

8 -11-92

Date

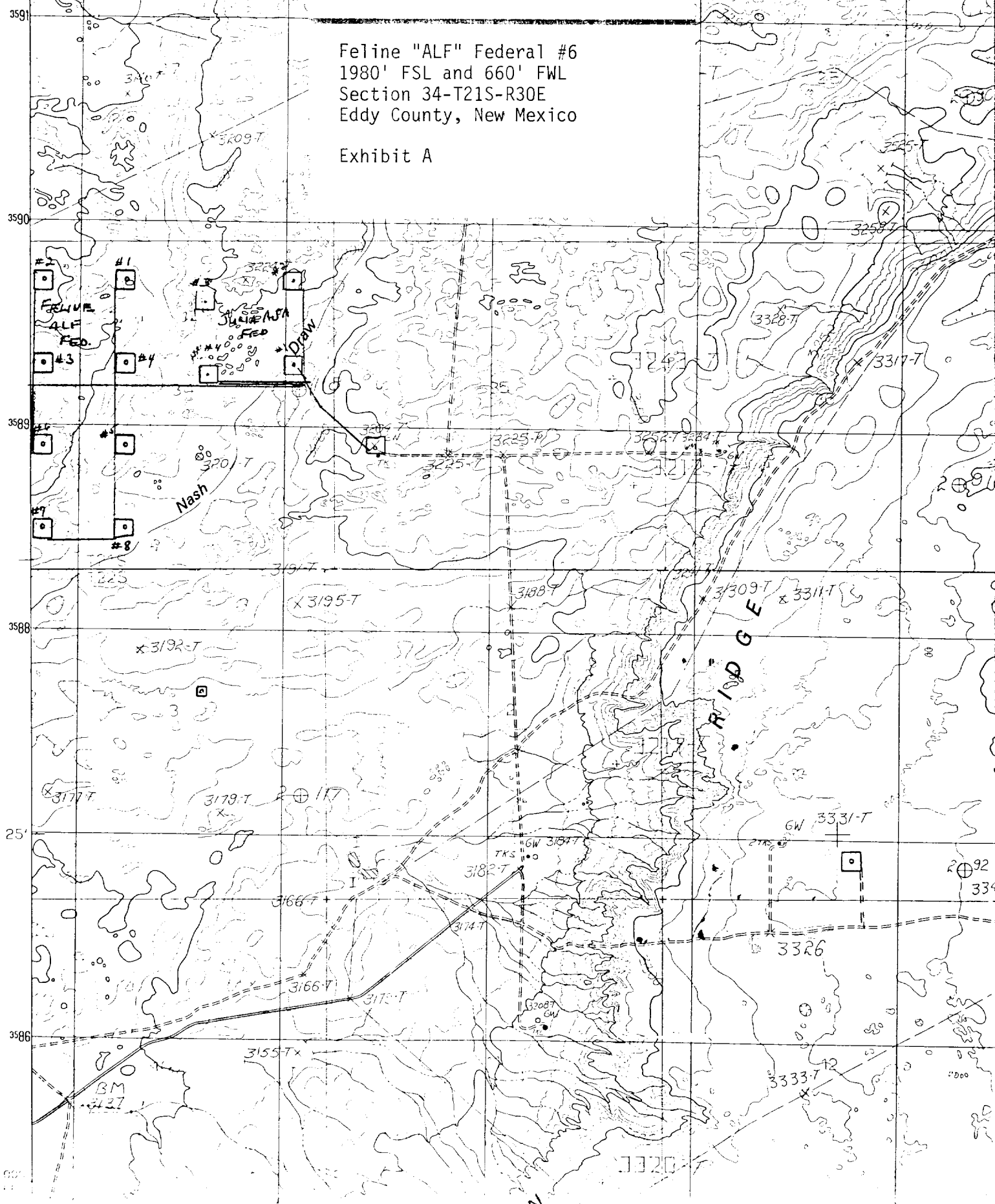


Clifton R. May
Permit Agent

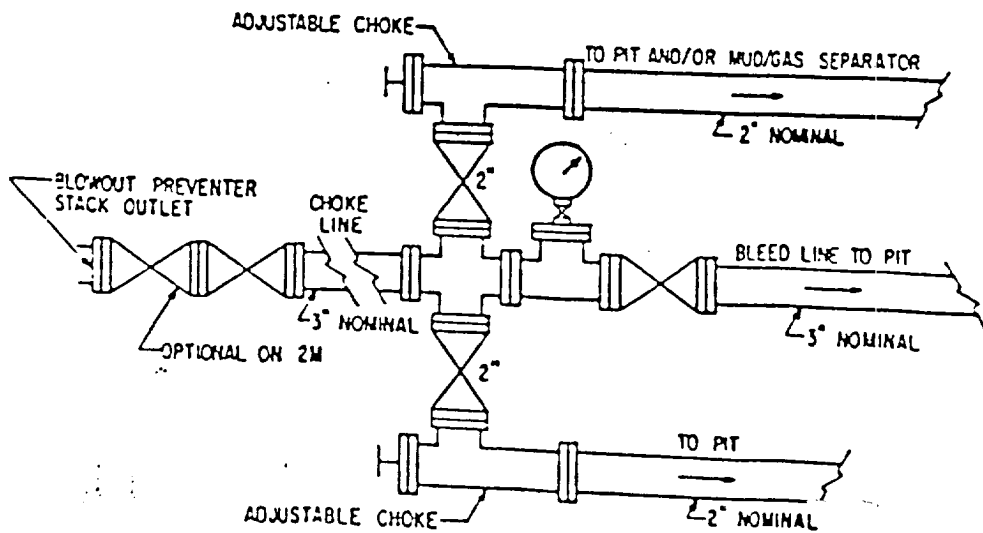
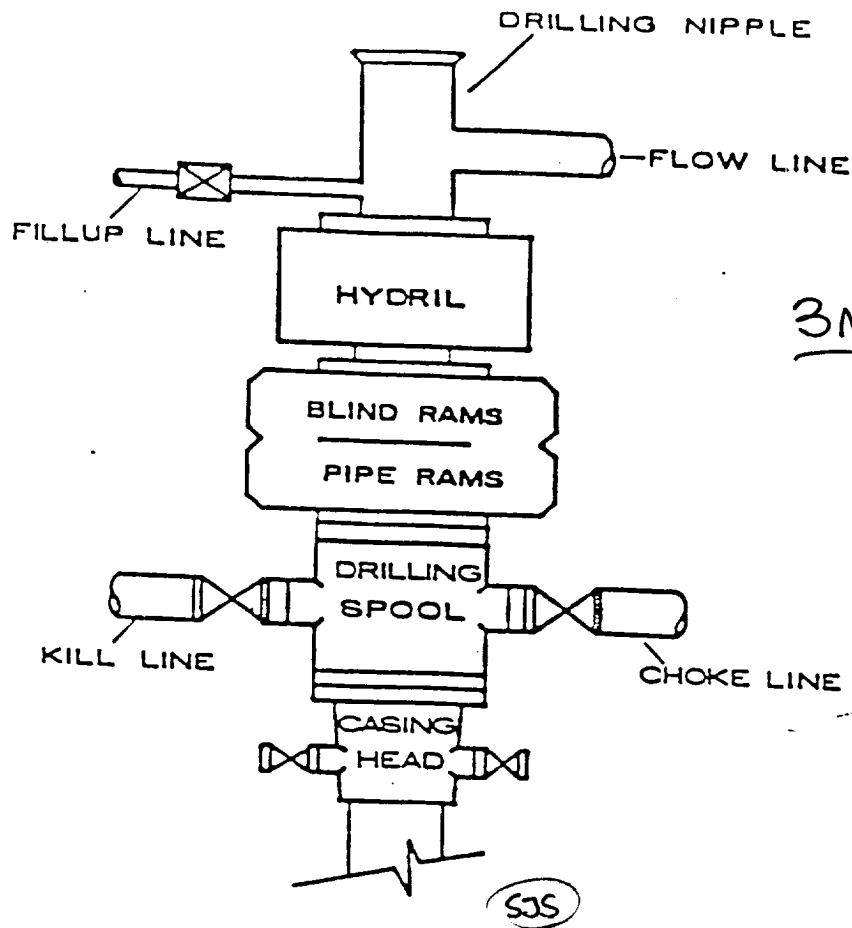
United Technology Corporation
105 SOUTH 4TH STREET
ALBUQUERQUE, NEW MEXICO 87102

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Exhibit A



BOP STACK



YATES PETROLEUM CORPORATION

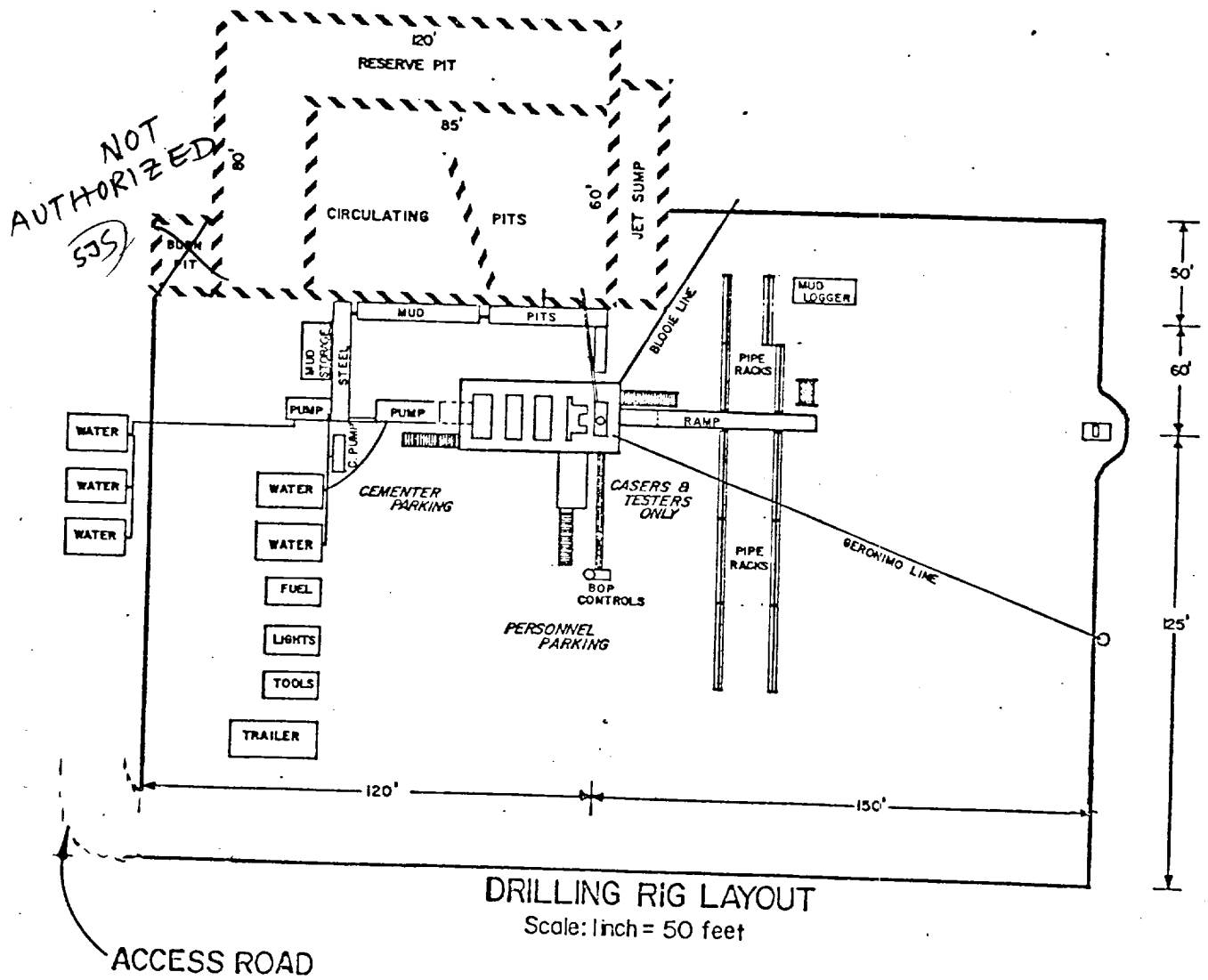


Exhibit D