

N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

Form 3160-3
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

0
OMB No. 1004-0136
Expires November 30, 2000

1a. Type of Work: ☒ DRILL ☐ REENTER

b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☒ Single Zone ☒ Multiple Zone

2. Name of Operator
Yates Petroleum Corporation

3A. Address **105 South Fourth Street
Artesia, New Mexico 88210**

3b. Phone No. (include area code)
(505) 748-1471

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface **1980' FNL and 1880' FWL, SENW**
At proposed prod. Zone **same as above**

14. Distance in miles and direction from nearest town or post office*
Approximately fifteen (15) miles east of Roswell, NM

15. Distance from proposed* location to nearest property or lease line, ft.
(Also to nearest drig. unit line, if any) **726'**

16. No. of Acres in lease
1120.01

17. Spacing Unit dedicated to this well
320 acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. **1300'**

19. Proposed Depth
5630'

20. BLM/BIA Bond No. on file
NM-2811

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3748' GL

22. Approximate date work will start*
ASAP

23. Estimated duration
30 Days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized office.

25. Signature 

Name (Printed/Typed)

Robert Asher

Date

6/17/04

Title:

Regulatory Agent

Approved by (Signature) **LARRY D. BRAY**

Name (Printed/Typed)

LARRY D. BRAY

Date

JUL 02 2004

Title **Assistant Field Manager,
Lands And Minerals**

Office

ROSWELL FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

CEMENT TO COVER ALL OIL,
GAS AND WATER BEARING
ZONES *Cover Glacieta*

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS ATTACHED

1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
811 South First, Artesia, NM 88210

Energy, Minerals and Natural Resources Department

Revised March 17, 1990
Instruction on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name Precambrian
Property Code	Property Name GEBO "BEG" FEDERAL	Well Number 1
OGRID No. 025575	Operator Name YATES PETROLEUM CORPORATION	Elevation 3748

Surface Location

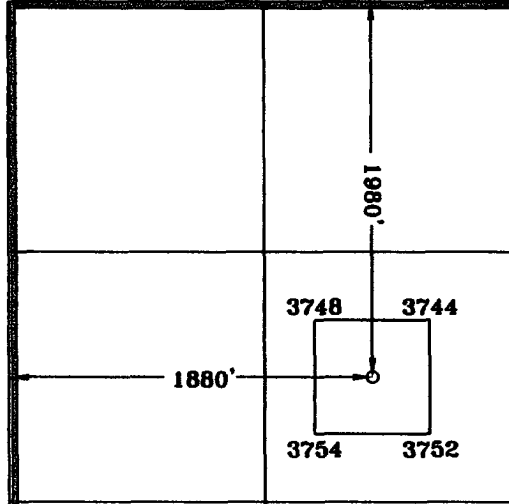
UL or lot No. F	Section 12	Township 10S	Range 25E	Lot Idn	Feet from the 1980	North/South line NORTH	Feet from the 1880	East/West line WEST	County CHAVES
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Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>N.33°27'43.0" W.104°21'28.1" N.895542.3 E.492691.8 (NAD 27)</p>
NM-12687	

OPERATOR CERTIFICATION

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



Signature

Robert Asher

Printed Name

Regulatory Agent

Title

6/17/2004

Date

SURVEYOR CERTIFICATION

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 belief.

5/04/2004

Date Surveyed

Signature of
Professional Surveyor



Certificate No. Herchel L. Jones RLS 3640

GEBO
PROFESSIONAL LAND SURVEYOR
GENERAL SURVEYING COMPANY

0 330' 660' 990' 1650' 1980' 2310' 2310' 1980' 1650' 990' 660' 330' 0'

YATES PETROLEUM CORPORATION
Gebo BEG Federal #1
 1980' FNL and 1880' FWL
 Section 12, T10S-R25E
 Chaves County, New Mexico

1. The estimated tops of geologic markers are as follows:

Queen	155'	Abo	4055'
Penrose	230'	Wolfcamp	4740'
Grayburg	420'	WC B Zone	4825'
San Andres	665'	Spear Zone	5090'
Glorieta	1740'	Cisco	5315'
Yeso	1875'	Strawn	5450'
Tubb	3300'	Precambrian	5480'
		TD	5630'

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

Water: 150'-300'
 Oil or Gas: All potential formations.

3. Pressure Control Equipment: BOPE will be installed on the 9 5/8" casing and rated for 3000 BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout Preventor controls will be installed prior to drilling the surface plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. See Exhibit B.

Auxiliary Equipment:

- A. Auxiliary Equipment: Kelly cock, pit level indicators, flow sensor equipment
 And a sub with full opening valve to fit the drill pipe and collars will be available on the rig floor in the open position at all times for use when kelly is not in use.

4. THE PROPOSED CASING AND CEMENTING PROGRAM:

- A. Casing Program: (All New)

<u>Hole Size</u>	<u>Casing Size</u>	<u>Wt./Ft</u>	<u>Grade</u>	<u>Coupling</u>	<u>Interval</u>
14 3/4"	9 5/8"	36#	J-55	ST&C	0-900' 600'
8 3/4"	*7"	23#	J-55	LT&C	0-4800'
8 3/4"	5 1/2"	15.5#	J-55	LT&C	0-5630'

WITNES:

*7" casing will only be set if hole conditions dictate. If 7" casing is run, hole will be reduced to 6 1/8" and 4 1/2" production casing will be run.

1. Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, Tensile Strength 1.8

B. CEMENTING PROGRAM:

Surface Casing: 750 sx Lite "C" (YLD 2.0 WT 12.5). Tail w/200 sx
C with 2% CaCL₂ (YLD 1.33 WT 15.6).

Intermediate Casing: 200 sx PVL (YLD 2.0 WT 12.5). Tail in w/200 sx
C with 2% CaCL₂ (YLD 1.33 WT 13.0). TOC=3550'

Production Casing: 750 sx Pecos Valley Lite (YLD 1.42 WT 13.0). TOC=3550'

5. MUD PROGRAM AND AUXILIARY EQUIPMENT:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0-900'	FW Gel/Paper/LCM	8.6 - 9.6	32-34	N/C
900'-3950'	Cut Brine	9.3 - 10.2	28	N/C
3950'-5615'	Starch/Salt Gel/4-6% KCL	9.7 - 10.0	45-55	<6/cc

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blow out will be available at the well site during drilling operations. Mud will be checked hourly by rig personnel.

6. EVALUATION PROGRAM:

Samples: 10' samples, surface casing to TD.

Logging: Platform Express: CNL/LDT/NGT TD-Surf csg; CNL/GR TD-Surf;
DLL/MSFL TD - Surf csg; BHC Sonic TD-Surf csg;

Coring: None

DST's: None.

7. ABNORMAL CONDITIONS, BOTTOM HOLE PRESSURE, AND POTENTIAL HAZARDS:

Anticipated BHP:

From: 0	TO: 900'	Anticipated Max. BHP: 450 PSI
From: 900'	TO: 5630'	Anticipated Max. BHP: 2950 PSI

Abnormal Pressures Anticipated: None

Lost Circulation Zones Anticipated: None.

H₂S Zones Anticipated: None Anticipated

Maximum Bottom Hole Temperature: 145 F

8. ANTICIPATED STARTING DATE:

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 10 days to drill the well with completion taking another 20 days.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

Gebo BEG Federal #1
1980' FNL and 1880' FWL
Section 12, T10S-R25E
Chaves 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 the BLM map showing the well and roads in the vicinity of the proposed location. The proposed wellsite is located approximately 15 miles east of Roswell, New Mexico and the access route to the location is indicated in red (new) and green (existing) on Exhibit A.

DIRECTIONS:

Drive east of Roswell on Hwy 380, approximately 8 miles to Alamo Rd. Turn left on Alamo Rd. and continue for approximately 1.9 miles to a "Y" in the road, take left fork and continue on Alamo Road for approximately 1.5 miles to a "Y" in the road, take left fork and continue for approximately 0.2 of a mile to another "Y" in the road, take right fork and continue for approximately 0.9 of a mile to the lease road staked on the left side, turn left and continue for approximately 100' to the NE corner of the location.

2. PLANNED ACCESS ROAD:

- A. The proposed new access will be approximately 100' in length from the point of origin to the northeast corner of the drilling pad. The road will lie in a east to west 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. Existing roads will be maintained in the same or better condition.

3. LOCATION OF EXISTING WELL:

- A. There is drilling activity within a 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 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:

Dirt contractor will locate nearest pit and obtain any permits and materials needed for construction.

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.
- D. 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 landfill.
Burial on site is not approved.

8. ANCILLARY FACILITIES: NONE

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. Yates Petroleum Corporation is in full compliance with the OCD General Plan for Drilling Pits approved on April 15, 2004.
- C. A 600' x 600' 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 well site in as aesthetically pleasing a condition as possible.
- B. Unguarded pits, if any, containing fluids will be fenced until they have dried and been leveled.
- 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 after they have evaporated and dried.

11. SURFACE OWNERSHIP: Bureau of Land Management, Roswell, NM.

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:
Robert Asher, Regulatory Agent
Yates Petroleum Corporation
105 South Fourth Street
Artesia, New Mexico 88210
Phone (505) 748-1471 | B. Through Drilling, Completions & Prod.
Pinson McWhorter, Operations Manager
Yates Petroleum Corporation
105 South Fourth Street
Artesia, New Mexico 88210
Phone (505) 748-1471 |
|--|---|

14. CERTIFICATION:

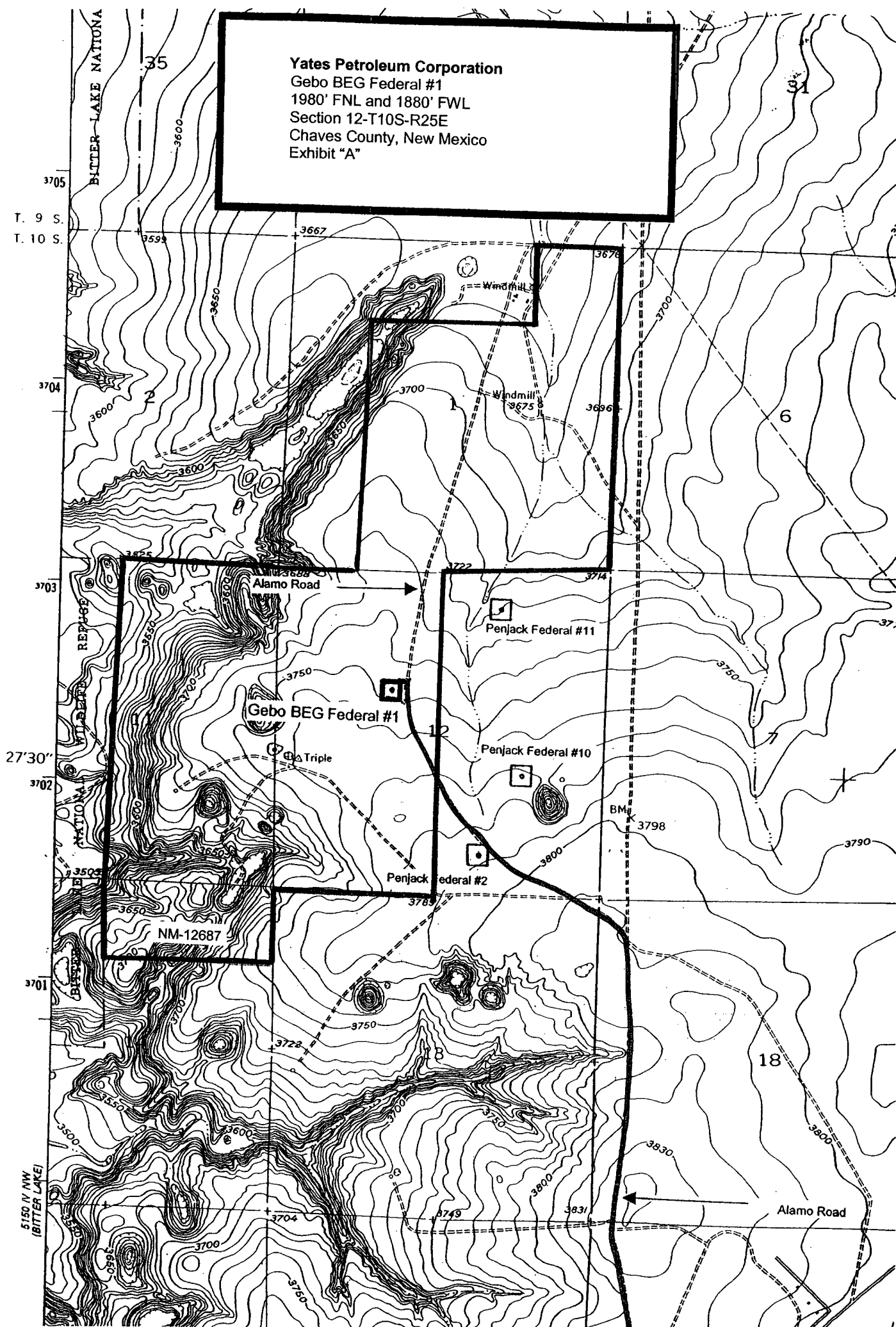
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and, that the work associated 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.

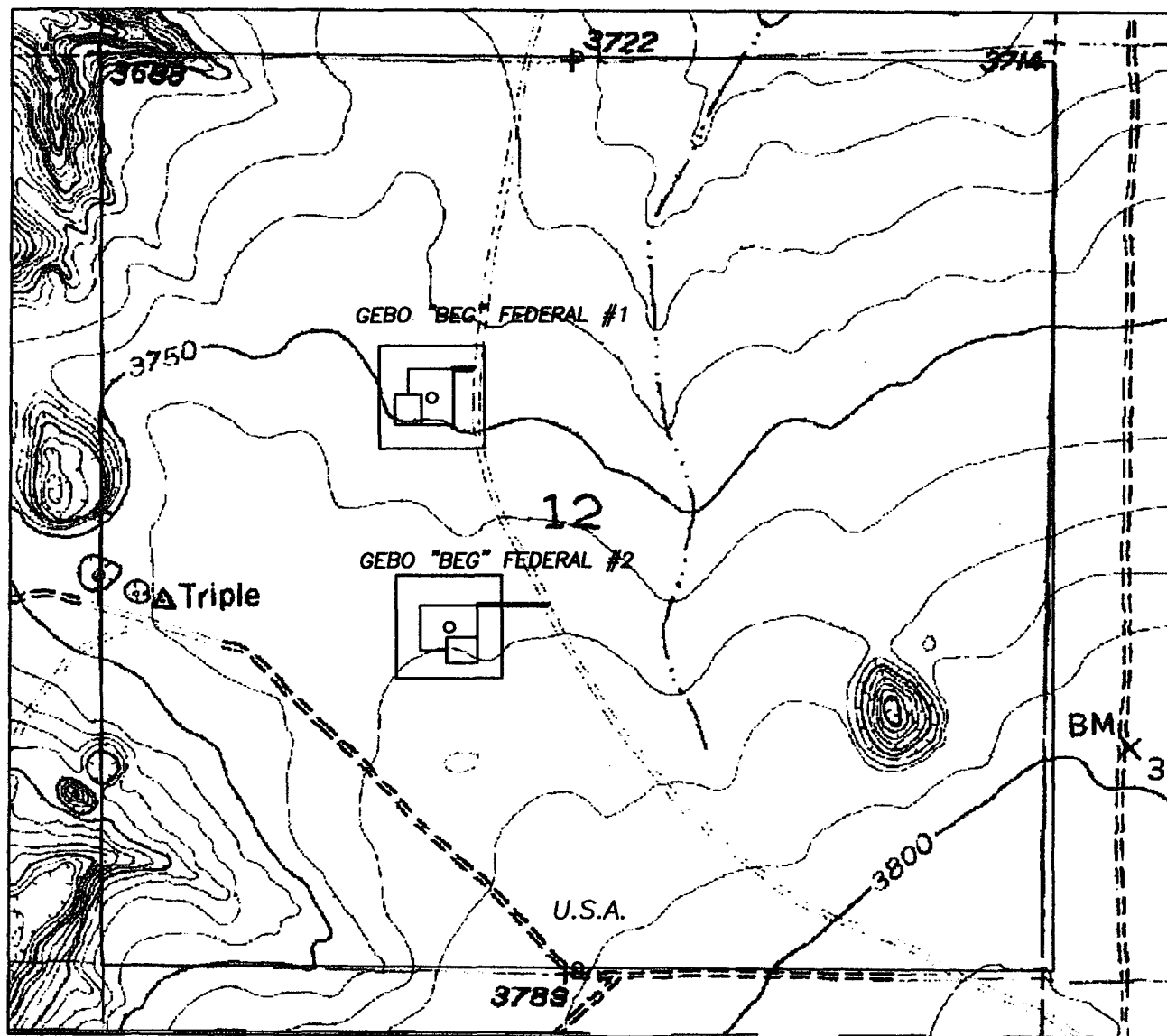
6/17/2004



Regulatory Agent

Yates Petroleum Corporation
Gebo BEG Federal #1
1980' FNL and 1880' FWL
Section 12-T10S-R25E
Chaves County, New Mexico
Exhibit "A"





Yates Petroleum Corporation
 Gebo BEG Federal #1
 1980' FNL and 1880' FWL
 Section 12-T10S-R25E
 Chaves County, New Mexico
 Exhibit "A-1"

1000' 0 1000' 2000'
 Scale 1" = 1000'

THE PREPARATION OF THIS PLAN AND THE PERFORMANCE OF THE SURVEY UPON WHICH IT IS BASED WERE DONE UNDER MY DIRECTION AND THE PLAN ACCURATELY DEPICTS THE RESULTS OF SAID SURVEY AND MEET THE REQUIREMENTS OF THE STANDARDS FOR LAND SURVEYS IN NEW MEXICO AS ADOPTED BY THE NEW MEXICO STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.

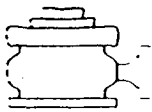
3640
 HERSCHEL L. JONES, P.E. AND L.S. No. 3640
 SURVEYOR

GENERAL SURVEYING COMPANY P.O. BOX 1928
 LOVINGTON, NEW MEXICO 88260

YATES PETROLEUM CORP.

LEASE ROAD TO ACCESS THE YATES GEBO "BEG" FEDERAL #1 & 2 WELLS, LOCATED IN SECTION 12, TOWNSHIP 10 SOUTH, RANGE 25 EAST, NMPM, CHAVES COUNTY, NEW MEXICO.

Survey Date: 5/04/2004	Sheet 1 of 1 Sheets
Drawn By: Ed Blevins	W.O. Number
Date: 5/04/04	Scale 1" = 1000' GEBO 1-2



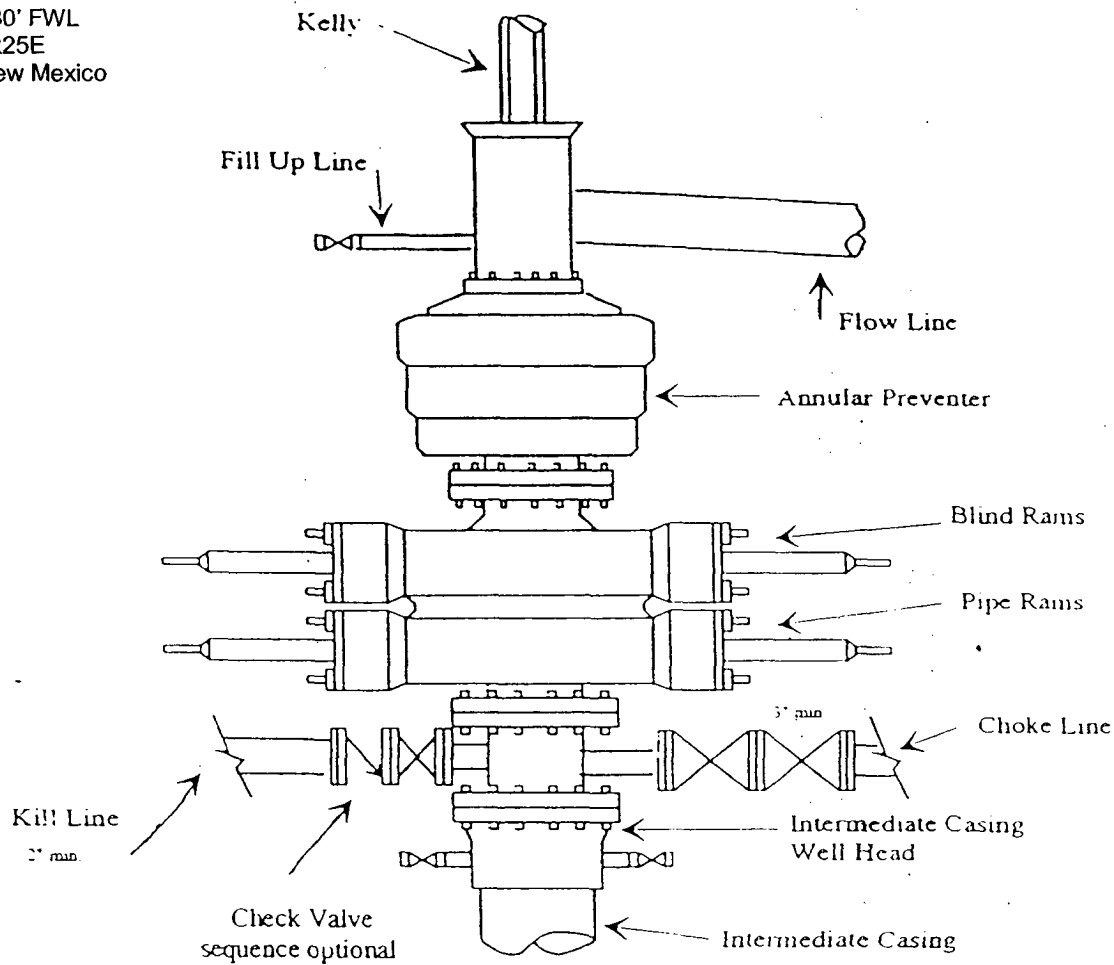
Yates Petroleum Corporation

BOP-3

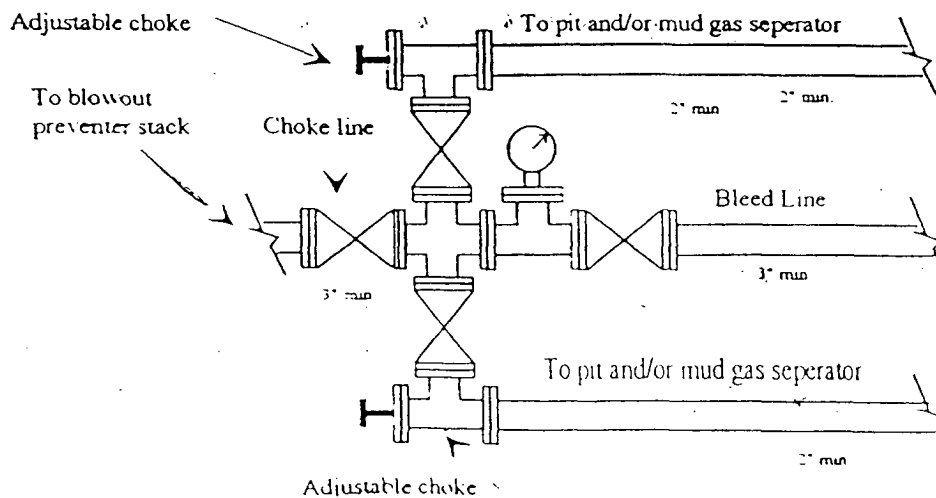
Typical 3,000 psi Pressure System Schematic

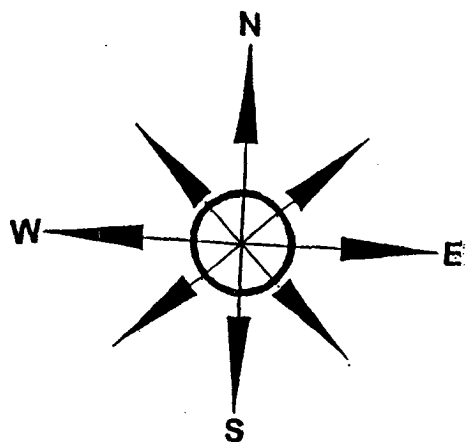
Annular with Double Ram Preventer Stack

Yates Petroleum Corporation
Gebo BEG Federal #1
1980' FNL and 1880' FWL
Section 12-T10S-R25E
Chaves County, New Mexico
Exhibit "B"



Typical 3,000 psi choke manifold assembly with at least these minimum features



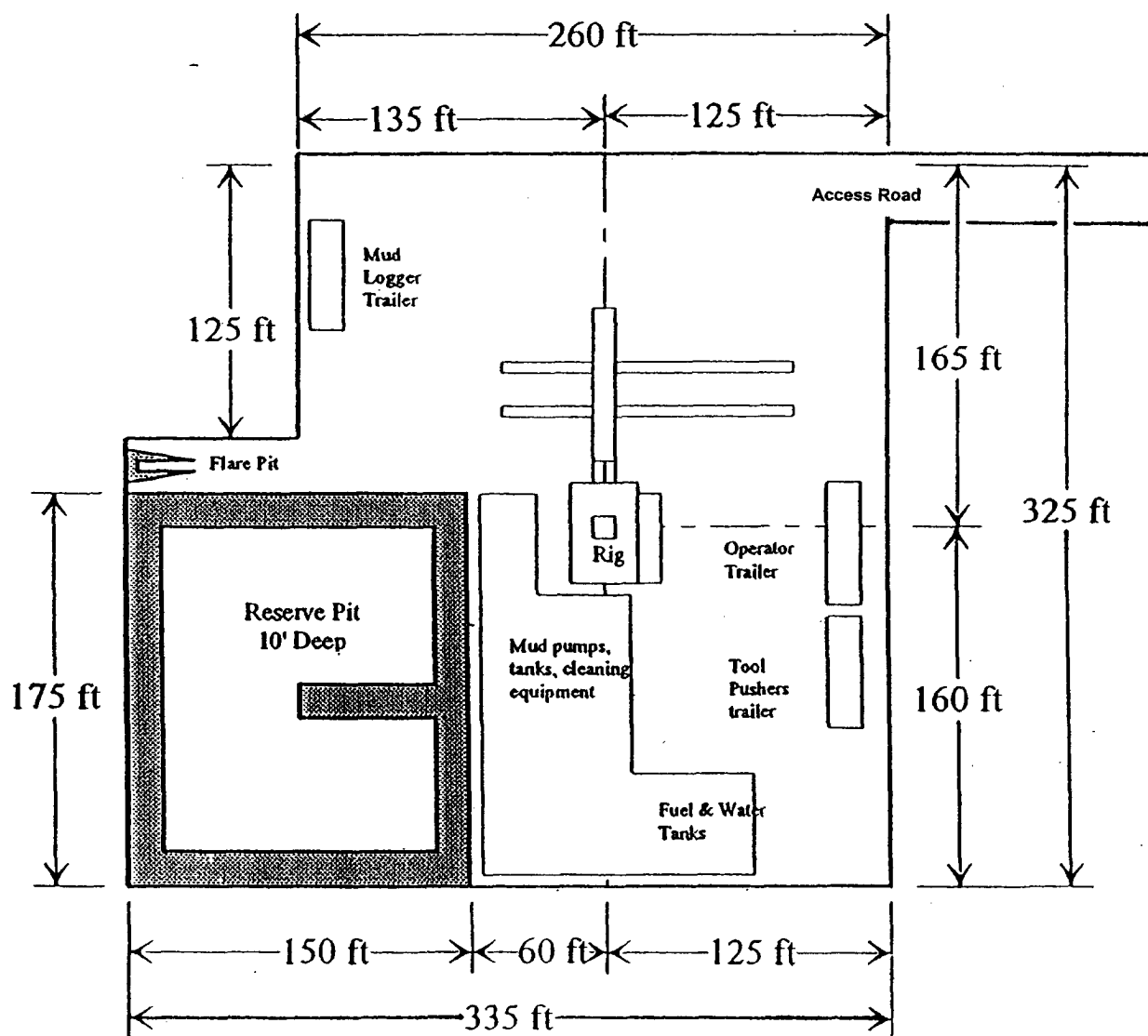


Yates Petroleum Corporation

Location Layout for Permian Basin

Up to 12,000'

Yates Petroleum Corporation
 Gebo BEG Federal #1
 1980' FNL and 1880' FWL
 Section 12-T10S-R25E
 Chaves County, New Mexico
 Exhibit "C"



Distance from Well
 Head to Reserve Pit
 will vary between rigs

The above dimension
 should be a maximum

Yates Petroleum Corporation
Gebo BEG Federal #1
1980' FNL and 1880' FWL
Section 12-T10S-R25E
Chaves County, New Mexico
Exhibit "D"

