

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

C/SR

OMB No. 1004-0136
Expires November 30, 2000

5. Lease Serial No.
LC-028990-B
6. If Indian, Allottee or Tribe Name

1a. Type of Work: ☒ DRILL ☐ REENTER

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

2. Name of Operator **25575 Yates Petroleum Corporation** **Shugart, Bone Spring, North**

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 **990' FSL and 1780' FEL**
At proposed prod. Zone **Unit 0 Same**

14. Distance in miles and direction from nearest town or post office*
Approximately 8 miles South of Loco Hills, New Mexico

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) **1780'**

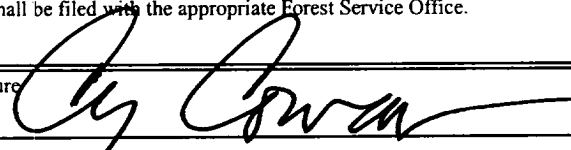
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. **1300'**

21. Elevations (Show whether DF, KDB, RT, GL, etc.) **3611' GL**

Secretary's Potash

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

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized office.

25. Signature  Name (Printed/Typed) **Cy Cowan** Date **10/2/01**

Title: **Regulatory Agent**

Approved by (Signature) **151 FRANK SPLENDORIA** Name (Printed/Typed) **151 FRANK SPLENDORIA** Date **FEB 15 2002**

Title **ACTING STATE DIRECTOR** Office **NM STATE 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.

APPROVAL FOR 1 YEAR

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)

**APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED**

RECEIVED

2001 OCT -5 PM 12:41

PROPERTY OF THE
FEDERAL BUREAU OF INVESTIGATION

NOV 20 2001

				<p>OPERATOR CERTIFICATION</p> <p><i>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p><u>Cy Cowan</u></p> <p>Signature</p> <p><u>Cy Cowan</u></p> <p>Printed Name</p> <p><u>Regulatory Agent</u></p> <p>Title</p> <p><u>10-2-01</u></p> <p>Date</p>
				<p>SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p><u>9/17/2001</u></p> <p>Date Surveyed</p> <p><u>[Signature]</u></p> <p>Signature & Seal of Professional Surveyor</p>
		<p>N.32°43'42.2" W.103°55'21.7"</p>	<p>3600 3618</p> <p>3600 3623</p> <p>1780'</p> <p>1086</p> <p>LC-02899-B</p>	<p>RECEIVED PROPOSED PROJECT</p> <p>HERSCHEL JONES</p> <p>NEW MEXICO</p> <p>3640</p> <p>Certificate No. Herschel Jones RLS 3640</p> <p>GREEK 10</p> <p>GENERAL SURVEYING COMPANY</p>

YATES PETROLEUM CORPORATION
Creek "AL" Federal #16
 990' FSL and 1780' FEL
 Section 24-T18S-R30E
 Eddy County, New Mexico

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

Rustler	485'
Tansill	1800'
Yates	1910'
Severn Rivers	2350'
Queen	3075'
Grayburg	3560'
Delaware	4600'
Bone Spring	5820'
Dolomite	8220'
TD	8400'

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

Water: 250'-350'
 Oil or Gas: All potential zones.

3. Pressure Control Equipment: BOPE will be installed on the 8 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>	<u>Length</u>
17 1/2"	13 3/8"	48#	H-40	ST&C	0-700'	700'
11"	8 5/8"	32#	J-55	ST&C	0-2800'	2800'
7 7/8"	5 1/2"	17#	J-55	LT&C	0-100'	100'
7 7/8"	5 1/2"	15.5#	J-55	LT&C	100'-6800'	6700'
7 7/8"	5 1/2"	17#	J-55	LT&C	6800'-8400'	1600'

Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, Joint Strength 1.8

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B. CEMENTING PROGRAM:

Surface casing: 400 sx Lite(Yld 2 Wt. 12.5) Tail in w/250 sx Class "C" + 2% CaCL2 (YLD 1.32 WT 14.8).

Intermediate Casing: 600 sx Lite (Yld 2 Wt 12.5). Tail in w/250 sx Class "C" + 2% CACL2 (Yld 1.32 Wt. 14.8).

Production Casing: TOC-2300'; 550 sx Lite (Yld 2 Wt. 12.5). Tail in w/500 sx Super "C" (Yld 1.32).

5. MUD PROGRAM AND AUXILIARY EQUIPMENT:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0-700'	FW/Native Mud	8.4-9.0	28-32	N/C
700'-2800'	Brine	10.0-10.2	28	N/C
2800'-TD	FW/Cut Brine	8.4-9.2	28	N/C

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: 30' samples to 5000'. 10' samples to 5000' to TD.

Logging: Platform HALS.

Coring: Sidewall cores as warranted.

DST's: As warranted.

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

Anticipated BHP:

From: 0	TO: 700'	Anticipated Max. BHP: 300	PSI
From: 700'	TO: 2800'	Anticipated Max. BHP: 1200	PSI
From: 2800'	TO: TD	Anticipated Max. BHP: 3700	PSI

No abnormal pressures or temperatures are anticipated.

Lost Circulation Zones Anticipated: None

H2S Zones Anticipated: None Anticipated

8. ANTICIPATED STARTING DATE:

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 30 days to drill the well with completion taking another 15 days.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN
YATES PETROLEUM CORPORATION
Creek "AL" Federal #16
990' FSL and 1780' FEL
Section 24-T18S-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 the BLM map showing the well and roads in the vicinity of the proposed location. The proposed wellsite is located approximately 8 miles Southeast of Loco Hills, New Mexico and the access route to the location is indicated in red and green on Exhibit A.

DIRECTIONS:

Go east of Artesia on Highway 82 to Highway 360. Turn right on 360 and go to Duval Shaft Road (CR 251). Turn left on Duval Shaft Road and to the Grubbs Road (CR 250). Turn right on Grubbs Rd. and go approx. 4.8 miles. Turn North here and go approx. 0.7 of a mile to the Creek "AL" Battery on the right. On the West side of the Creek Battery follow road to the North for approx. 0.3 of a mile to the Creek "AL" Fee #2 well. Turn West and follow existing two track road West for approx. 0.2 of a mile to the Southeast corner of the well pad.

2. PLANNED ACCESS ROAD:

- A. The proposed new access will go west for approximately 0.2 of a mile to the Southeast 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. The new road will be bladed with drainage on one side. Some traffic turnouts will be built.
- D. The route of the road is visible.
- E. Existing roads will be maintained in the same or better condition.

3. LOCATION OF EXISTING WELL:

- A. There is no 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 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.

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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.
- 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: INCLUDE ONE (1) 3" SDR-11, POLY, SURFACE FLOWLINE AND ONE (1) 640 VOLT, 3 PHASE, RAPTOR PROOF POWERLINE FOLLOW ACCESS ROADS TO THE CREEK BATTERY. SEE EXHIBIT.

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 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: Federal Surface, Administered by Bureau of Land Management, Carlsbad, New Mexico.

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:

Cy Cowan, Regulatory Agent
Yates Petroleum Corporation
105 South Fourth Street
Artesia, New Mexico 88210
Phone (505) 748-1471

- B. Through Drilling Operations, Completions and Production:
Pinson McWhorter,
Operations Manager
Yates Petroleum Corporation
105 South Fourth Street
Artesia, New Mexico 88210
Phone (505) 748-1471

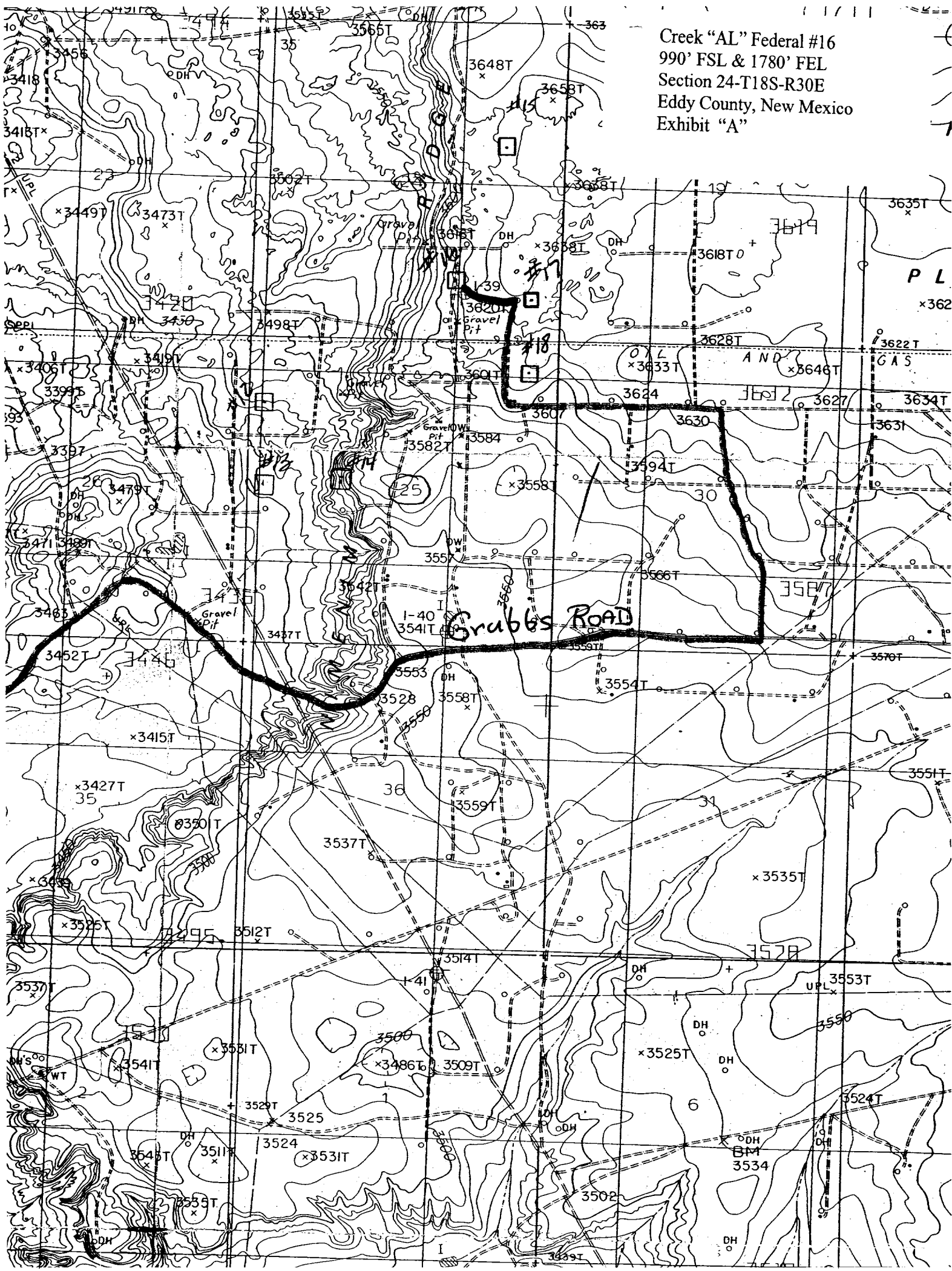
14. CERTIFICATION:

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.

10/02/01


Regulatory Agent

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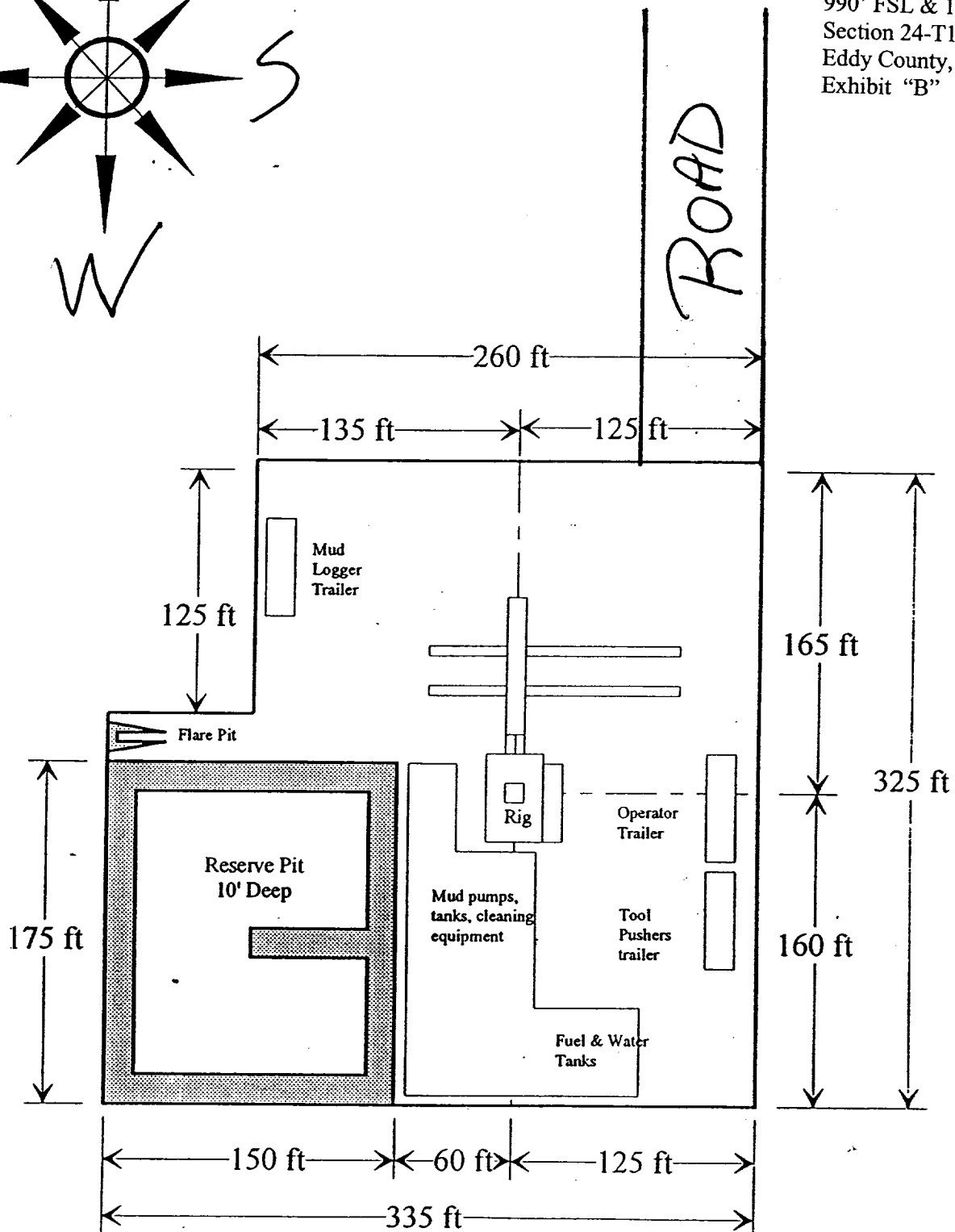
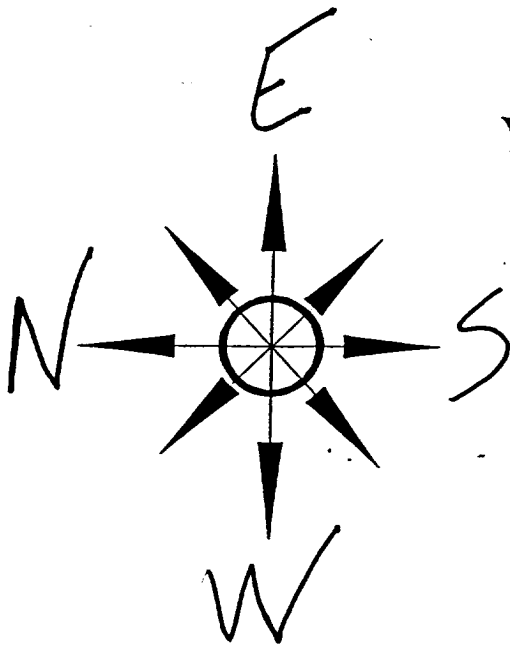
PB - L1

Yates Petroleum Corporation

Location Layout for Permian Basin

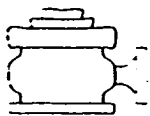
Up to 12,000'

Creek "AL" Federal #16
990' FSL & 1780' FEL
Section 24-T18S-R30E
Eddy County, New Mexico
Exhibit "B"



Distance from Well
Head to Reserve Pit
will vary between rigs

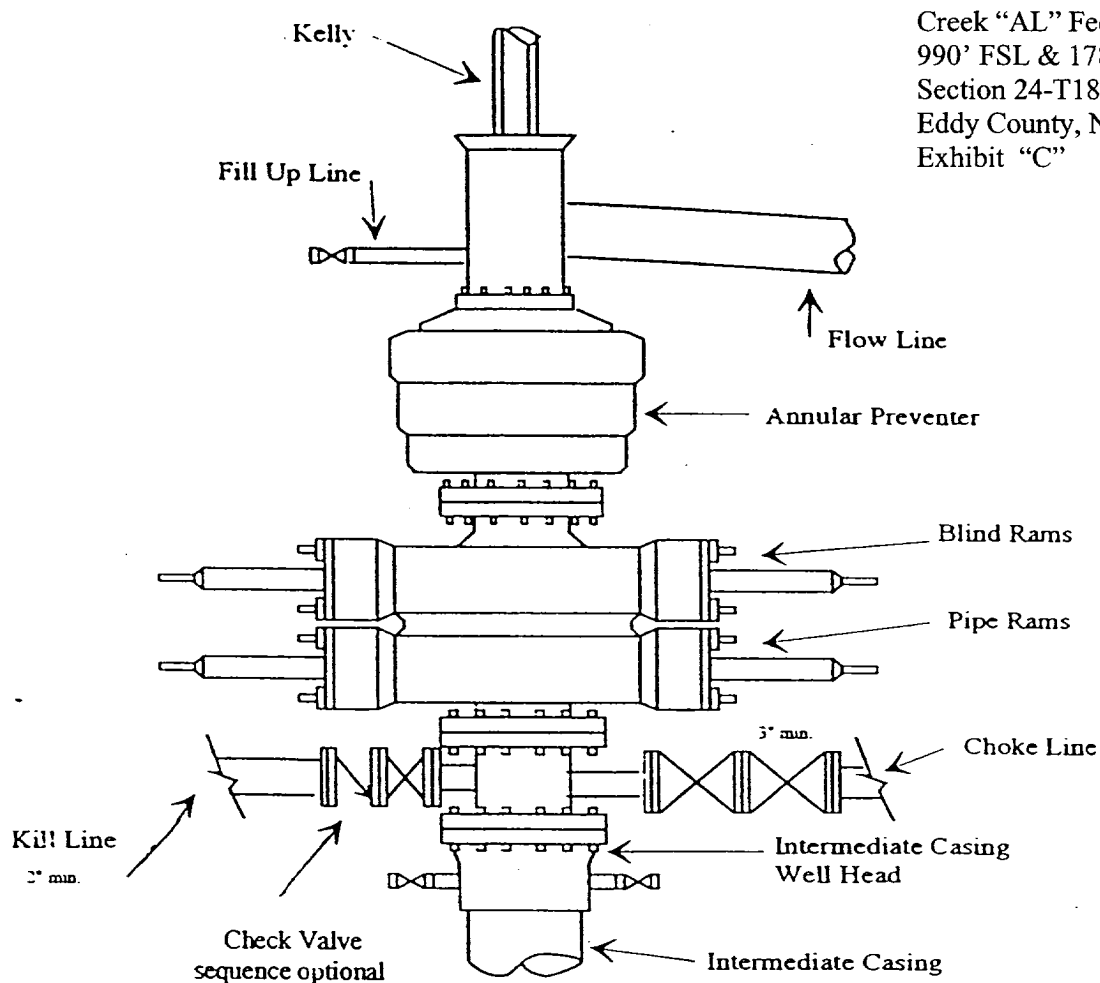
The above dimension
should be a maximum



Yates Petroleum Corporation

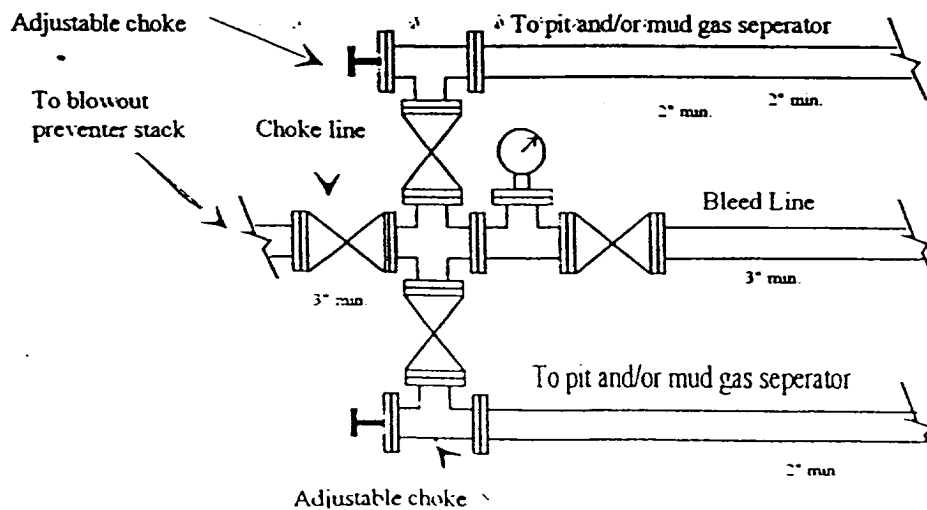
BOP-3

Typical 3,000 psi Pressure System Schematic Annular with Double Ram Preventer Stack



Creek "AL" Federal #16
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Section 24-T18S-R30E
Eddy County, New Mexico
Exhibit "C"

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

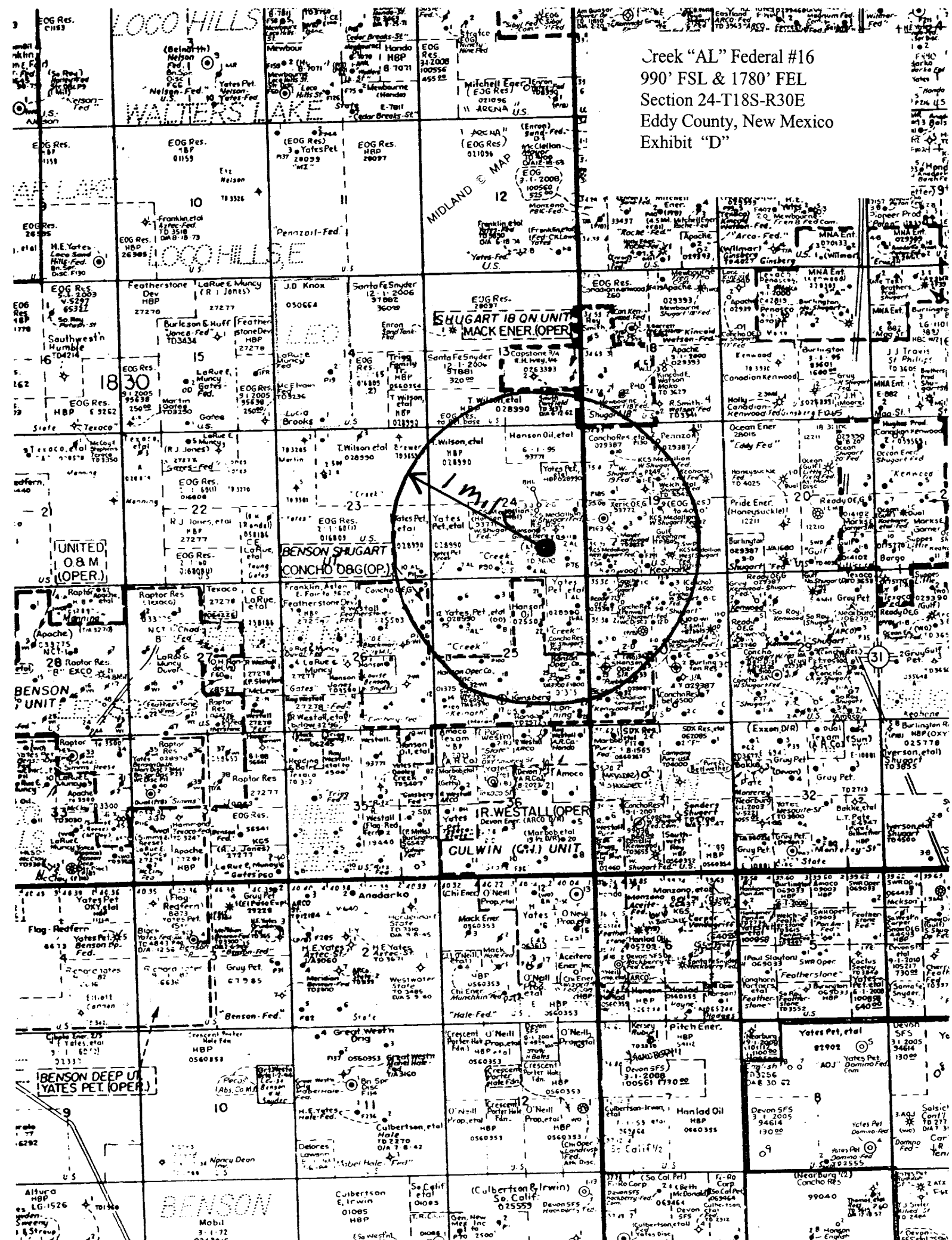


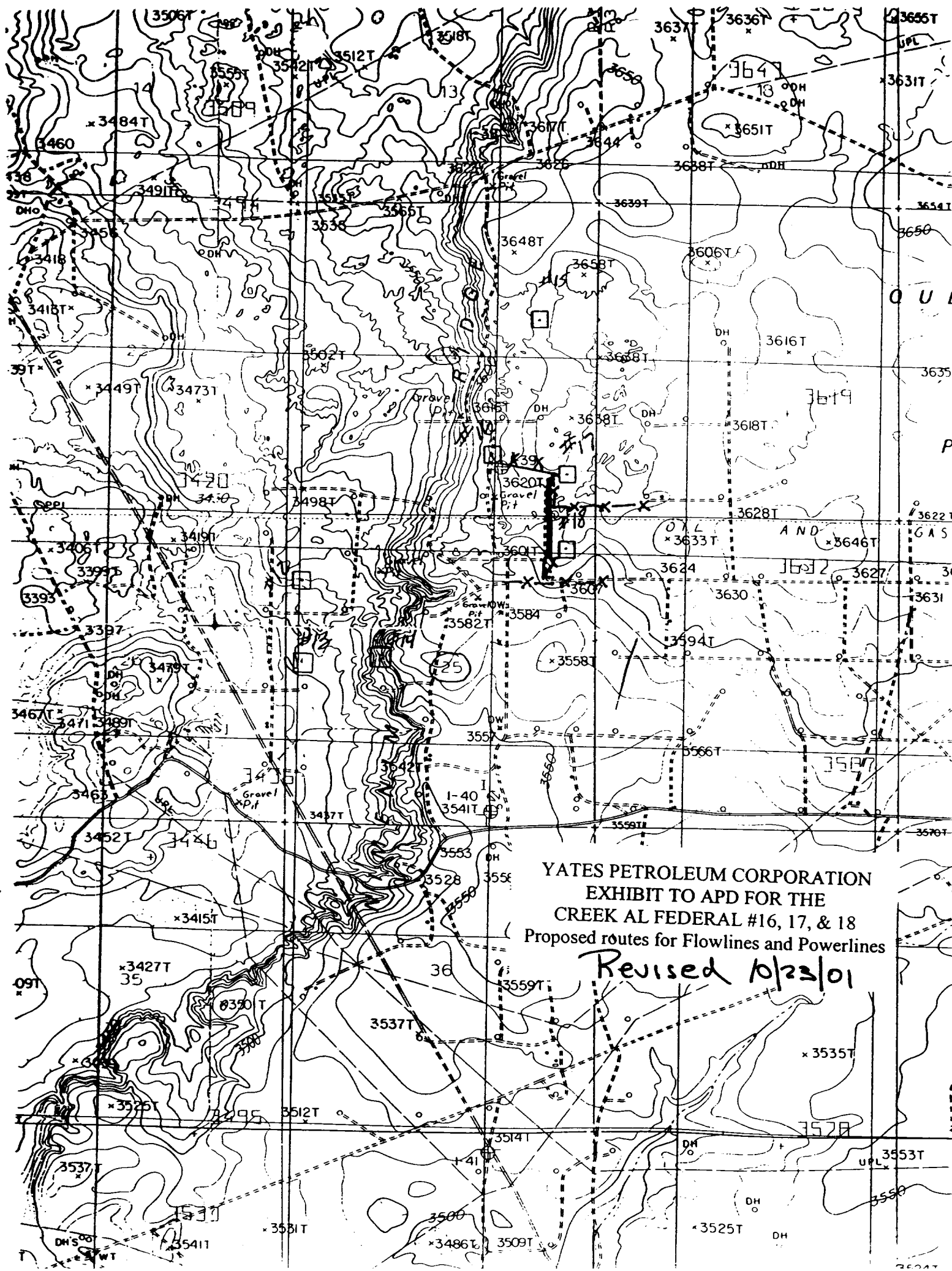
Loco Hills

(Belmont)
Nelson
Fed. U.S.
10.3
Yates Pk.
Nelson Fed. U.S.
10.3
Yates Fed.
10.3
Mcbroun
Mcbroun Pk.
10.3

Walters Lake

10 miles





YATES PETROLEUM CORPORATION
EXHIBIT TO APD FOR THE
CREEK AL FEDERAL #16, 17, & 18
Proposed routes for Flowlines and Powerlines

Revised 10/23/01

