

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM-19175
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
2. NAME OF OPERATOR Yates Petroleum Corporation			7. UNIT AGREEMENT NAME N/A
3. ADDRESS OF OPERATOR 105 South Fourth Street, Artesia, New Mexico 88210			8. FARM OR LEASE NAME Keebler "AMJ" Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660' FSL and 1980' FEL At proposed prod. zone same			9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 25 miles east of Roswell, New Mexico			10. FIELD AND POOL, OR WILDCAT Pecos Slope Abo
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 13-T9S-R25E
16. NO. OF ACRES IN LEASE			12. COUNTY OR PARISH Chaves
17. NO. OF ACRES ASSIGNED TO THIS WELL 160			13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 4450'			14. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3679' GR			22. APPROX. DATE WORK WILL START* ASAP

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24# J-55	Approx. 1000'	675 sacks - circulated
7 7/8"	4 1/2"	9.5# J-55	TD	575 sacks

Yates Petroleum Corporation proposes to drill and test the Abo and Intermediate formations. Approximately 1000' of surface casing will be set and cement circulated to shut off gravel and cavings. If commercial, production casing will be run and cemented with adequate cover, perforated and stimulated as needed for production.

MUD PROGRAM: FW gel/LCM to 1000'; cut Brine to 3600'; salt gel, starch, and diesel to TD

BOP PROGRAM: BOP's will be installed on the 8 5/8" casing and tested daily.

GAS NOT DEDICATED

Post 10-1
2-12-93
NELOC 1 AP

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 Clifton R. May TITLE Permit Agent DATE 12-22-92
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY Lawrence L. Allen TITLE Area Manager DATE 2-5-93
CONDITIONS OF APPROVAL, IF ANY:

APPROVAL OF THIS PERMIT CERTIFIES THAT THE APPLICANT OR AGENT OR TITLE TO THOSE RIGHTS IN THE LAND WHICH WOULD ENTITLE THE APPLICANT TO CONDUCT OPERATIONS THEREON

PLEASE BE ADVISED THAT THERE WILL BE NO EXCAVATION OF FEDERALLY OWNED MINERAL MATERIAL FOR CONSTRUCTION OF THE ACCESS ROAD OR PAD WITHOUT PAYMENT IN ADVANCE

Section 1001, makes 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.



Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

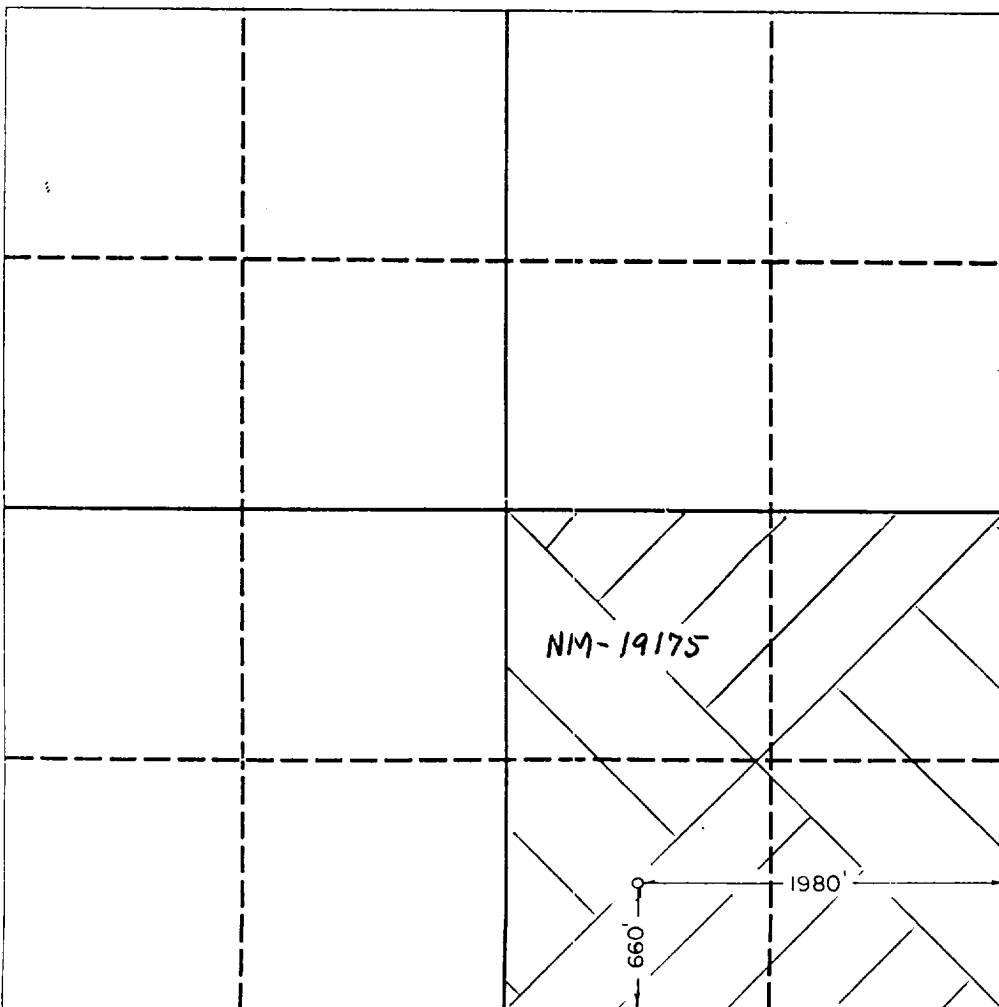
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator YATES PETROLEUM CORPORATION			Lease KEEBLER "AMJ" FEDERAL		Well No. 1
Unit Letter 0	Section 13	Township 9 SOUTH	Range 25 EAST	County CHAVES	
Actual Footage Location of Well: 1980 feet from the EAST line and 660 feet from the SOUTH line					
Ground level Elev. 3679	Producing Formation		Pool	Dedicated Acreage: Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 interest 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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

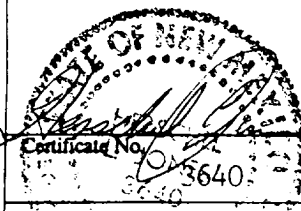
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature *Clifton R. May*
Printed Name **Clifton R. May**
Position **Permit Agent**
Company **Yates Petroleum Corporation**
Date **December 22, 1992**

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 knowledge and belief.

Date Surveyed **12/09/92**
Signature & Seal of Professional Surveyor





YATES PETROLEUM CORPORATION
Keebler "AMJ" Federal #1
660' FSL and 1980' FEL
Section 13-T9S-R25E
Chaves County, New Mexico
DRILLING PROGNOSIS

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

San Andres	493'
Glorieta	1,581'
Fullerton	3,140'
Abo	3,863'
TD	4,450'

2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS, OR MINERAL FORMATIONS:

Water:	250' - 300'
Gas:	3863''

3: PRESSURE CONTROL EQUIPMENT - (Schematic Attached)

A. The Blow-Out Preventor will be equipped as follows:

1. One (1) blind ram (above)
2. One (1) pipe ram (below)
3. Kill line (2-inch minimum)
4. One (1) kill line valve (2-inch minimum)
5. One (1) choke line valve
6. Two (2) adjustable chokes.
7. Upper kelly cock valve with handle available
8. Safety valves & subs to fill all drill strings in use
9. 2-inch (minimum) choke line
10. Fill-up line above the upper most preventor

B. Pressure Rating: 2,000 PSI

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>Thread</u>	<u>Coupling</u>	<u>Interval</u>	<u>Length</u>
12 1/4"	8 5/8"	24#	J-55	8RD	ST&C	0 - 1000'	1000'
7 7/8"	4 1/2"	9.5#	J-55	8RD	ST&C	0 - 4450'	4450'

1. Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, Tensile Strength 1.8
2. Yates Petroleum Corporation requests that a variance be granted in requiring the casing to be tested to 1500 PSI to testing the casing to 1000 PSI. The rig pumps will be used to test the casing. Rig pumps used in this area cannot safely test above 1000 PSI. We would have to go to the greater expense of hiring an independent service to do the testing. Also, the maximum shut-in bottom hole pressure is 1100 PSI. Pressure at the surface is much less. Most of the time the Abo formation requires treatment before it flows.



Keebler "AMJ" Federal #1

Page 2

B. CEMENTING PROGRAM:

Surface Casing: Set with 475 sacks pacesetter lit with 1/2#/sx celloseal + 3% CaCl₂ with weight of 12.7 ppg and Yield 1.84 cu.ft./sx. Tail in 200 sx "C" with 2% CaCl₂ with weight of 14.8 ppg and yield 1.32 cu.ft./sx, circulated to surface.

Production Casing: Set with 575 sx 65/35 Poz "C" with 2% Gel + .6% Halad - 332 + 2#/sx salt with weight of 14.0 ppg and yield 1.6 cu.ft./sx with cement top being approximately 3500'.

A greater amount of cement will be used if necessary to ensure that all potentially productive hydrocarbon zones are cemented off. Fill-up to be determined from logs.

5. MUD PROGRAM:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0 - 1000'	Spud Mud			
1000' - 3600'	Cut Brine	9.9	28	
TD	S.Gel/Starch & Diesel	9.3	31-39	15cc

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

6. EVALUATION PROGRAM:

Samples: Every 10' out from under surface casing.

Logging: CNL/LDT - TD to casing w/GR/CNL to surface; DLL w/RXO - TD to casing.

Coring: None Anticipated.

DST's: Any tests will be based on the recommendation of the well site geologist as warranted by breaks and shows.

7. ABNORMAL CONDITIONS

No abnormal temperatures or pressures are anticipated. No H₂S has been reported or is known to exist from previous drilling in this area at this depth.

8. ANTICIPATED STARTING DATES

Plans are to drill this well before the end of the year. It should take approximately 15 days to drill the well with completion taking another 15 days.



MULTI-POINT SURFACE USE AND OPERATIONS PLAN

**Yates Petroleum Corporation
Keebler "AMJ" Federal #1
660' FSL and 1980' FEL
Section 13-T9S-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 BLM map showing the well and roads in the vicinity of the proposed location. The proposed well site is located approximately 21 miles northeast of Roswell, New Mexico, and the access route to the location is indicated in red and green on Exhibit A.

DIRECTIONS:

Go east of Roswell on Portales Highway to the rock school house. Turn south and go approximately 2 miles. Turn right and follow road approximately 3.2 miles. Turn right(west) for approximately 1.4 miles. New access will start here and go north.

2. PLANNED ACCESS ROAD

- A. The proposed new access will be approximately 700' in length from point of origin to the southwest of the pad.
- B. The road will have a 14 feet in width (driving surface) and will be adequately drained to control runoff and soil erosion.
- C. The route of the road is flagged.
- D. An off lease road right-of-way will be needed for Section 24-T9S-R25E.

3. LOCATION OF EXISTING WELL

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

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. There are no production facilities on this lease at the present time.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. It is planned to drill the proposed well with a fresh water system. A local water trucking firm will be contracted to furnish the water. They will provide the water obtaining it from whatever sources available to them at their discretion. It will be trucked to the location over the existing and proposed roads shown in Exhibit A. A probable source is LL Cattle Company #1 location in the NWNW of Section 28-T9S-R27E.



6. SOURCE OF CONSTRUCTION MATERIALS:

- A. Additional construction materials may not be needed for drilling the well or constructing the access road into the location during drilling. The surface soil materials may be sufficient. If additional material is needed, it will be bought from a private source.
- B. No construction materials will be taken off Federal land except that taken off location which is on Federal land.
- C. The local dirt contractor will be responsible for proper permits for any material used for construction of this road and pad.
- D. A probable source is McCrea's pit in the NENE of Section 30-T9S-R26E.

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. Yates is applying for approximately 200' of new access road and 2200' of existing road all located in the N/2NE/4 of Sec. 24-T9S-R25E. See Exhibit A.

9. WELL SITE 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 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:

- A. The wellsite and access road will be on Federal Surface administered by the BLM.
- B. The surface has been leased to David McCrea, Auto Route East, Box 1202, Roswell, New Mexico 88201.
- C. A portion of existing road is on private land belonging to David McCrea. Yates has an existing agreement with Mr. McCrea.



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. Waterways: None.

13. OPERATOR'S REPRESENTATIVE

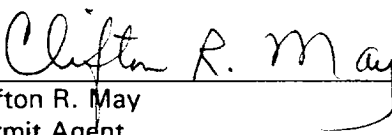
- | | |
|---|--|
| A. Through A.P.D. Approval: | B. Through Drilling Operations,
Completions and Production: |
| Clifton R. May, Permit Agent
Yates Petroleum Corporation
105 South Fourth Street
Artesia, New Mexico 88210
Phone (505) 748-1471 | Mike Slater, Operations Manager
Yates Petroleum Corporation
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 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.

12-22-92

Date



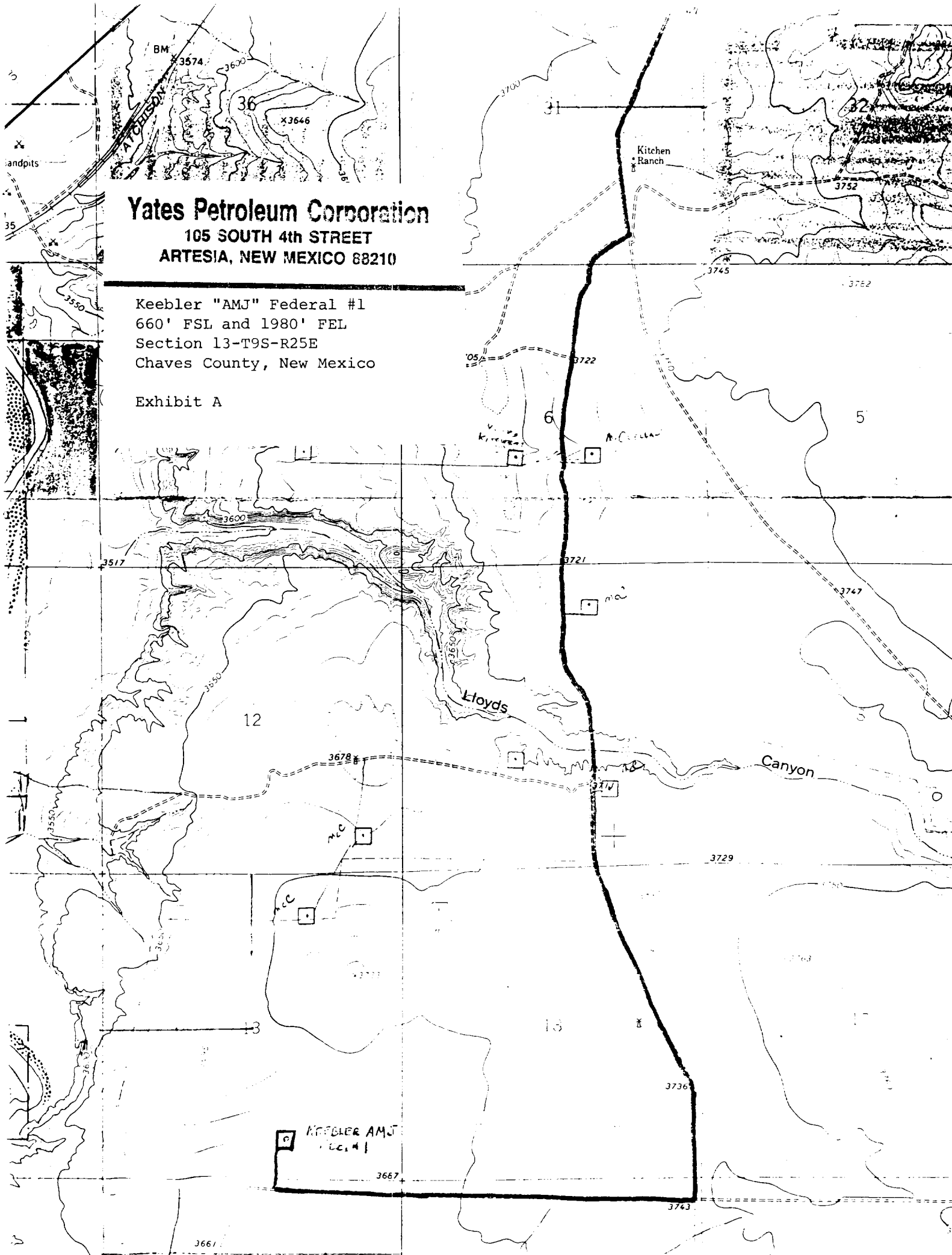
Clifton R. May
Permit Agent

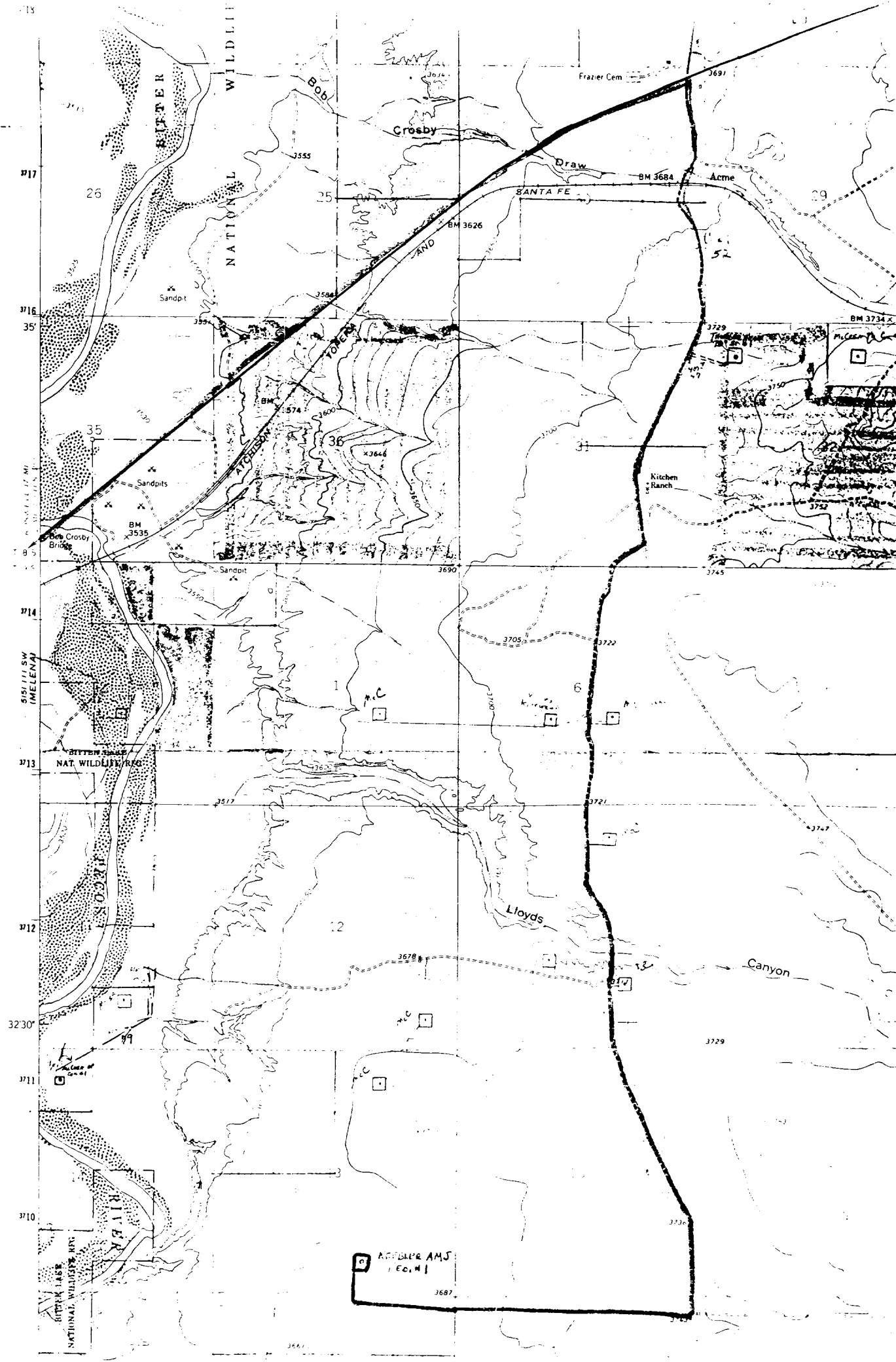


Yates Petroleum Corporation
105 SOUTH 4th STREET
ARTESIA, NEW MEXICO 88210

Keebler "AMJ" Federal #1
660' FSL and 1980' FEL
Section 13-T9S-R25E
Chaves County, New Mexico

Exhibit A

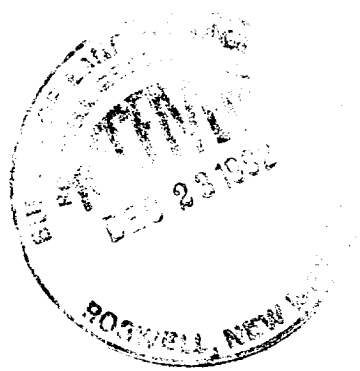




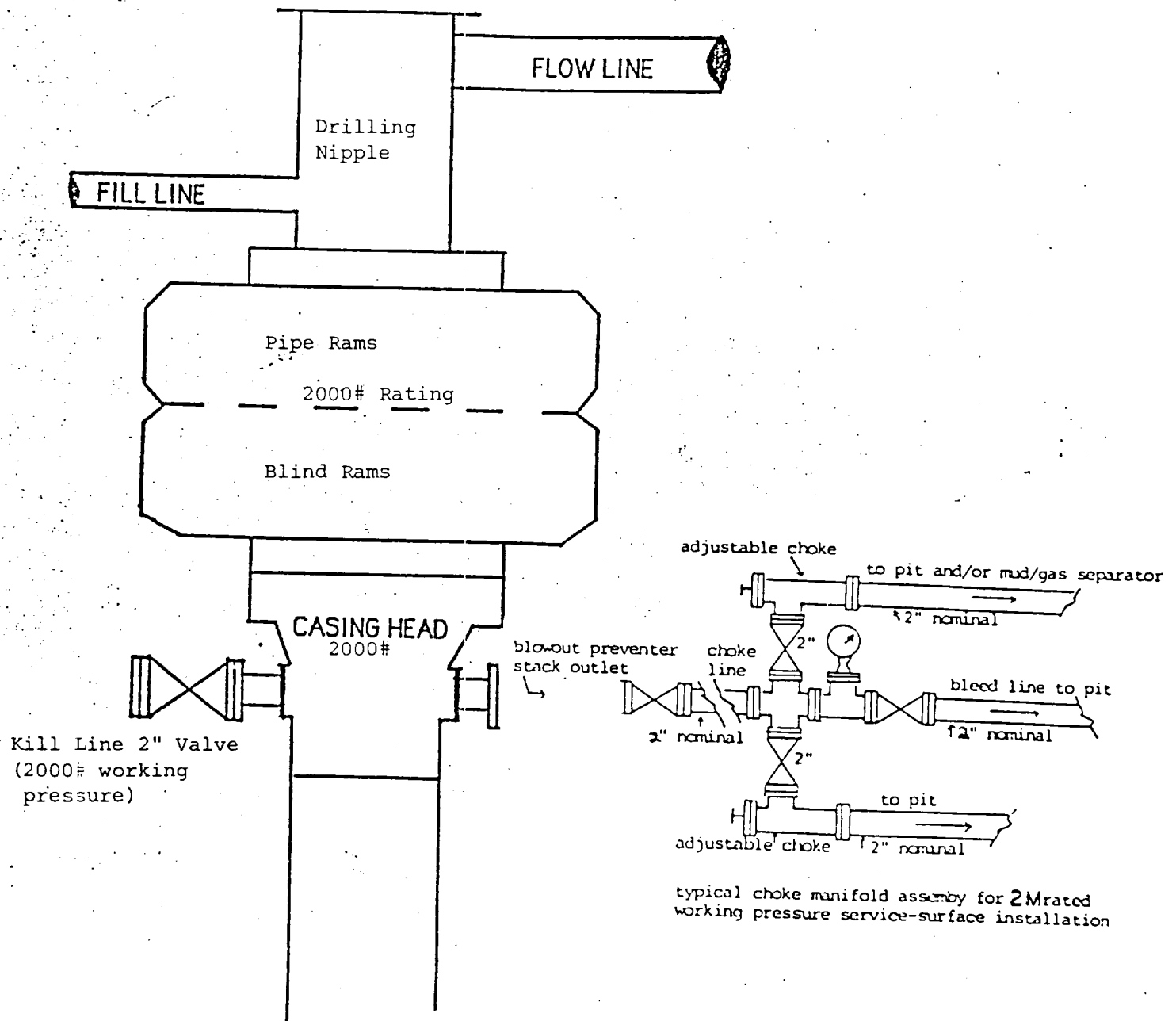
3230

ADDITIONAL AMS
[E.C.M.]

3687

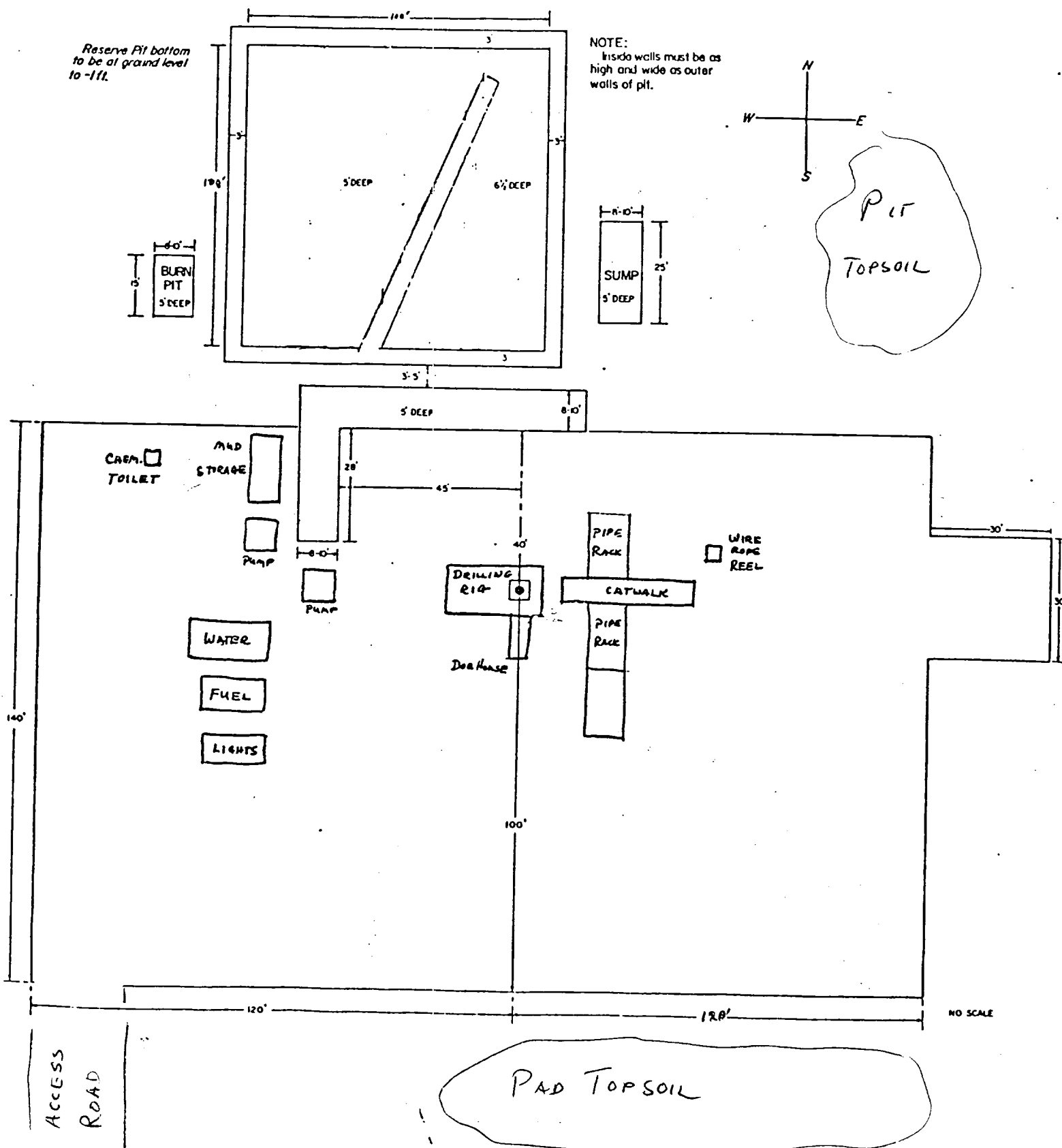


YATES PETROLEUM CORPORATION



**BLOWOUT PREVENTER
2M SYSTEM**

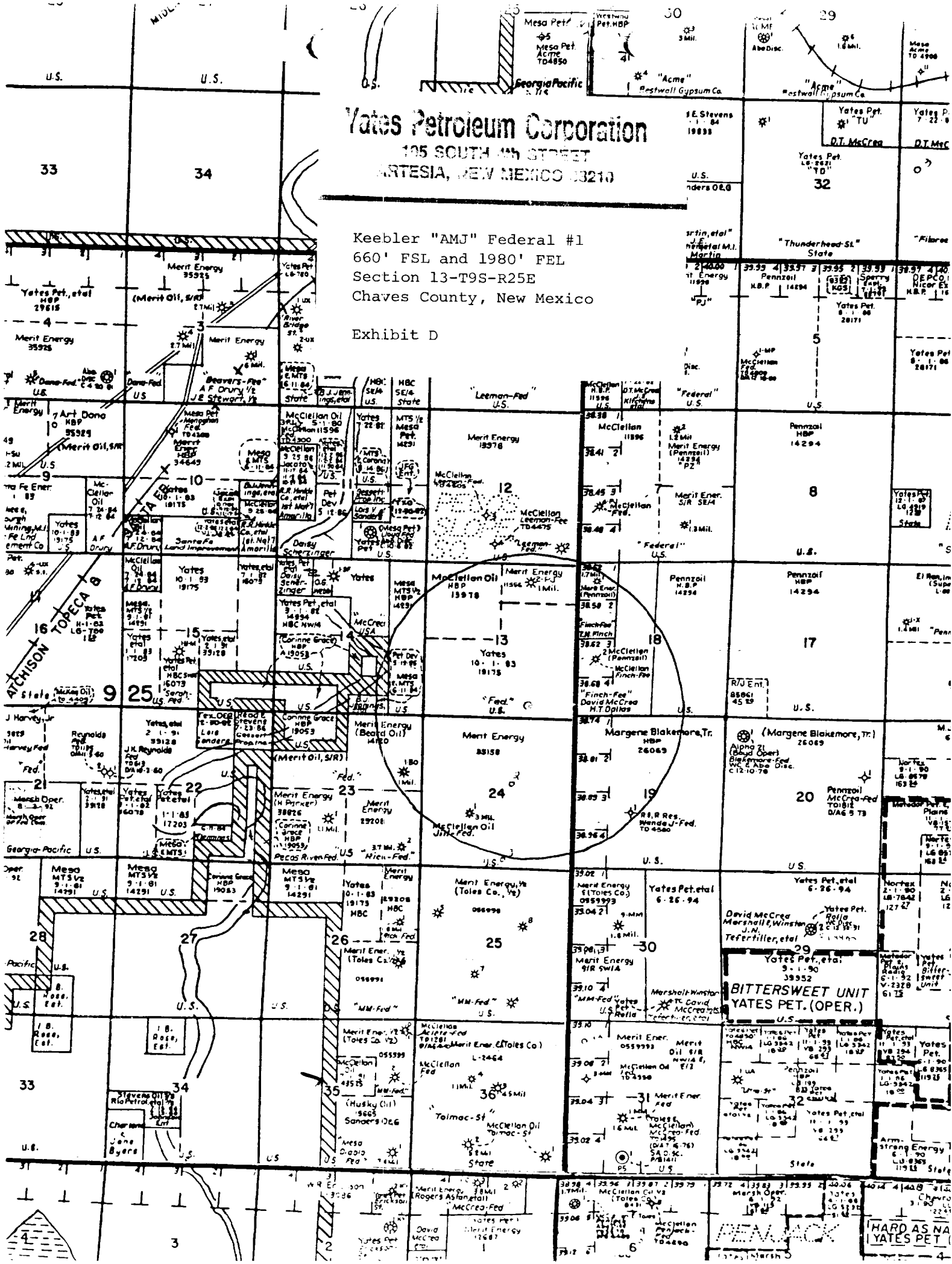






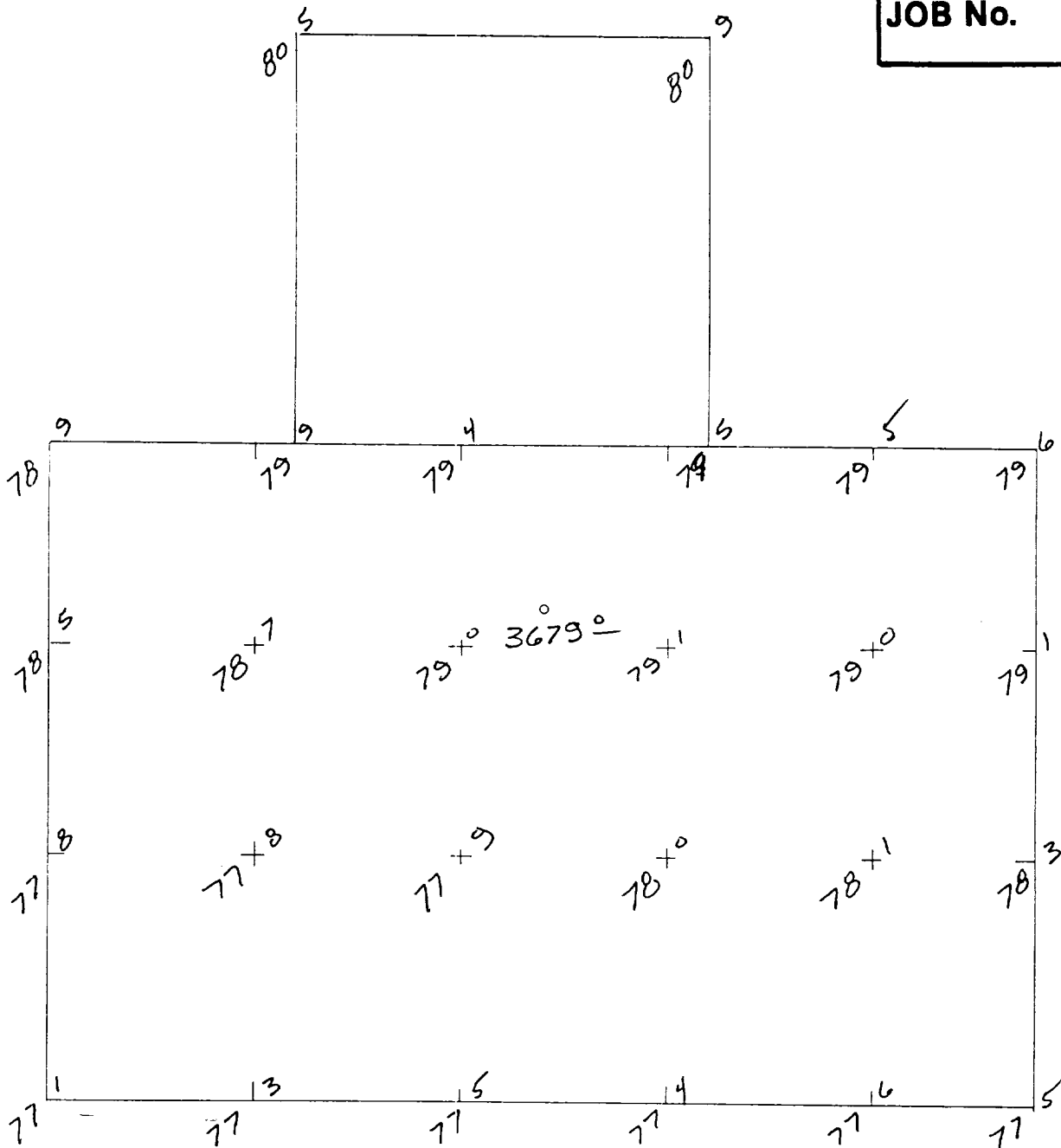
105 SOUTH 4th STREET
ARTESIA, NEW MEXICO 88210

Exhibit D





JOB No.



THE PREPARATION OF THIS PLAT AND THE PERFORMANCE OF THE SURVEY UPON WHICH IT IS BASED* WERE DONE UNDER MY DIRECTION AND THE PLAT ACCURATELY DEPICTS THE RESULTS OF SAID SURVEY AND MEETS THE REQUIREMENTS OF THE STANDARDS FOR LAND SURVEYS IN NEW MEXICO AS ADOPTED BY THE NEW MEXICO STATE BOARD OF REGISTRATION FOR

