

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

5. LEASE DESIGNATION AND SERIAL NO.

NM - 37604

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Boomer Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undes. Lucky Lake Queen

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 10-T15S-R29E

12. COUNTY OR PARISH

Chaves

13. STATE

NM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☐

BUREAU OF LAND MGT
ROS WELL RESOURCE
AREA

2. NAME OF OPERATOR

Abo Petroleum Corporation

3. ADDRESS OF OPERATOR

105 South Fourth Street, Artesia, New Mexico 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1650' FSL and 330' FWL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 17 miles North of Loco Hills

O. C. D.

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

330'

16. NO. OF ACRES IN PROPOSED OFFICE

Approx. 400

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

Approx. 1100'

19. PROPOSED DEPTH

1900'

20. ROTARY OR CABLE TOOLS

Cable Tool

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3868.2' GR

22. APPROX. DATE WORK WILL START*

As soon as possible

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/2"	8-5/8"	24#	300'	200 sx - circulated
8"	4-1/2"	9.5#	TD	As warranted

We propose to drill and test the Queen and intermediate formations. Approximately 300' of surface casing will be set, at least 50' below the top of the Rustler Anhydrite, 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: That used in cable tool drilling

NOTE: This APD is also a BLM road right-of-way application. Yates is applying for a 30' (maximum disturbance) road right-of-way across N $\frac{1}{2}$ NW $\frac{1}{4}$ of Sec. 13; N $\frac{1}{2}$ NE $\frac{1}{2}$ of Sec. 14; N $\frac{1}{2}$ NE $\frac{1}{4}$, NENW of Sec. 15; and SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Sec. 10 all being T15S-R29E. This is all existing road except for 500' of new access in SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 10. See Exhibit A.

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 6-21-90

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY /s/ Sandra L. Porenta

TITLE Area Manager

DATE 7-16-90

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL OF THIS APPLICATION 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.

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

18 U.S.C. 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 Dep.

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

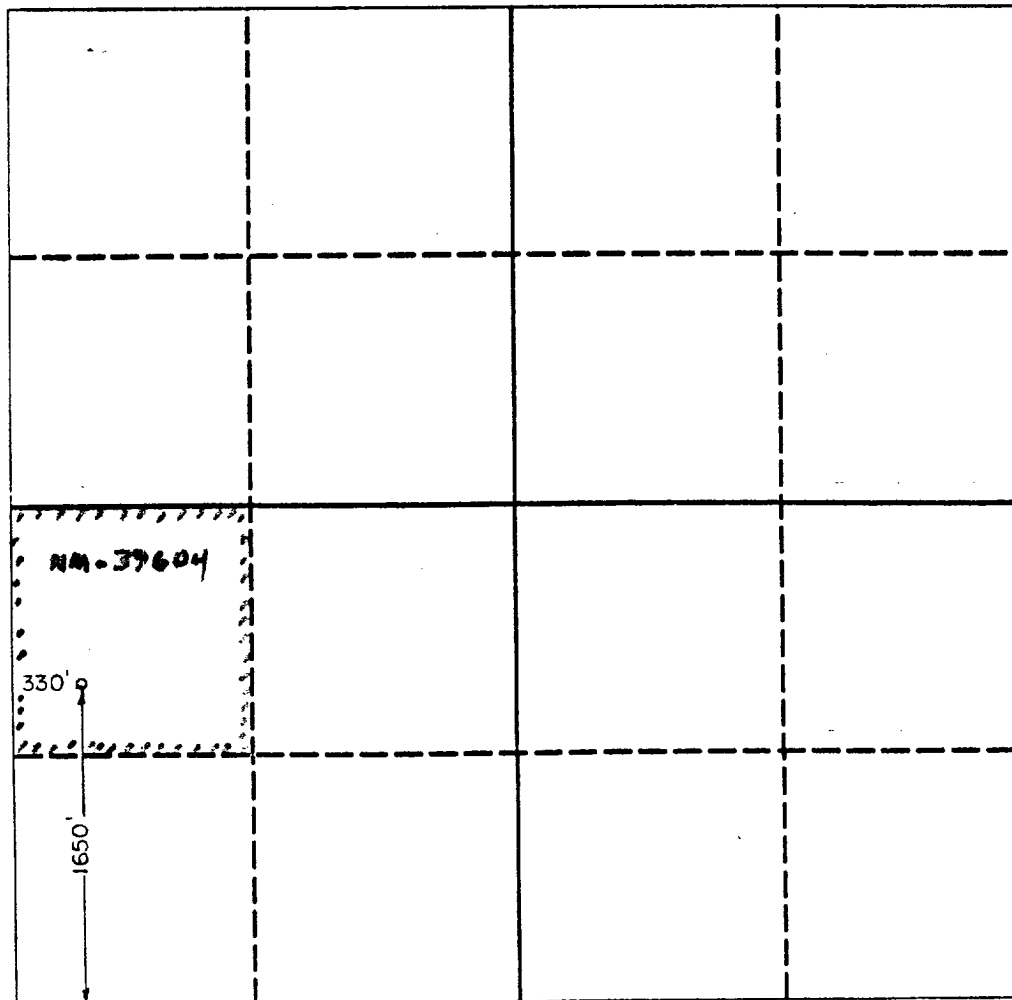
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ABO PETROLEUM CORPORATION			Lease BOOMER FEDERAL			Well No. 1		
Unit Letter L	Section 10	Township 15 SOUTH	Range 29 EAST	County NMPM CHAVES				
Actual Footage Location of Well: 1650 feet from the SOUTH line and 330 feet from the WEST line								
Ground level Elev. 3868.2		Producing Formation QUEEN		Pool UNDER LUCKY LAKE QUEEN		Dedicated Acreage: 40 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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
Abo Petroleum Corporation
Date
6-21-90

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
6-12-90

Signature of Seal of
Professional Surveyor

HERSCHL
1354
Certificate No.
3640

ABO PETROLEUM CORPORATION

Boomer Federal #1
1650' FSL and 330' FWL
Section 10, T15S-R29E
Chaves County, New Mexico

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

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

Anhydrite	206'
Top Salt	322'
Yates	1069'
Seven Rivers	1586'
Queen	1804'
TD	1900'
3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Water: Approximately 125'

Oil or Gas: Queen 1804'
4. Proposed Casing Program: See Form 3160-3.
5. Pressure Control Equipment: See Form 3160-3.
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 connection.
8. Testing, Logging and Coring Program:

Samples:	5' out from 8 5/8" casing.
DST's:	None
Coring:	None
Logging:	CNL-LDT from TD to casing with CNL to surface; DLL from TD to casing.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible after approval.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN
Abo Petroleum Corporation
Boomer Federal #1
1650' FSL and 330' FWL
Section 10-T15S-R29E
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 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 county map showing the well and roads in the vicinity of the proposed location. The proposed wellsite is located approximately 17 miles North of Loco Hills, New Mexico and the access route to the location is indicated in red and green on Exhibit A.

DIRECTIONS:

Go North of Loco Hills on County Road approximately 14 miles to good caliche road. Turn west and go approximately 2.2 miles and the road turns North at a location. Follow road approximately .25 of a mile. Turn west and go approximately .2 of a mile. New access will start here and go North approximately 900' to the southwest edge of pad.

*NOTE: Yates is applying for a lease right-of-way on the existing road from pavement to start of new access with exceptions of the state portion in the N $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 14, T15S-R29E. Federal portion N $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 13; N $\frac{1}{4}$ NE $\frac{1}{4}$ of Sec. 14; N $\frac{1}{4}$ NE $\frac{1}{4}$, NENW of Sec. 15, and SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Sec. 10, all being Township 15 South, Range 29 East. See Exhibit A.

2. PLANNED ACCESS ROAD

- A. The proposed new access will be approximately 900' in length from point of origin to the southwest edge of the drilling pad. The road will lie in a northerly 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. One traffic turnouts will be built.
- D. The route of the road is visible.
- E. One culvert will be needed, 20" or larger.

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 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 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:

- A. BLM pit located in the E $\frac{1}{2}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 13-T15S-R29E.

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 for appropriate approval.
- 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. Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind.
- G. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion operations.

8. ANCILLIARY FACILITIES:

- A. None required.

9. WELLSITE LAYOUT:

- A. Exhibit B 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. A cross section of drill pad with approximate cuts, fills and pad orientation is shown on Exhibit C.
- B. The reserve pits will be plastic lined.
- C. A 400' X 400' area has been staked and flagged.
- D. An earthen berm will be built out of the top 5" of topsoil along the East and South edges of the location to control drainage.

10. PLANS FOR RESTORATION OF THE SURFACE:

- 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 stipulations 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: Bureau of Land Management - Roswell Resource Area
Roswell, New Mexico 88201
12. OTHER INFORMATION:
- A. Topography: Refer to the 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:
- Clifton R. May
Permit Agent
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 Abo 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.

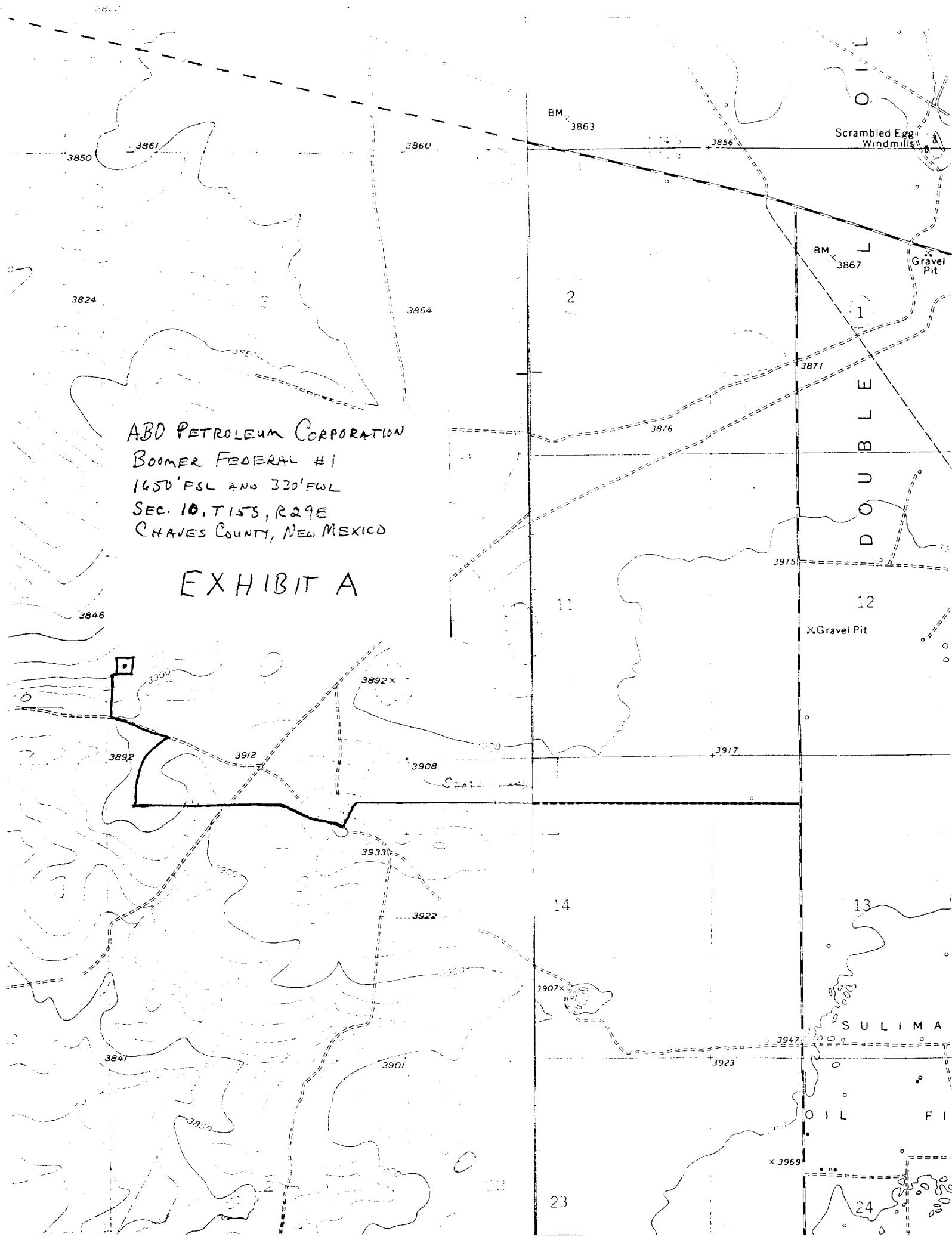
6-27-90

Date

Clifton R. May
Clifton R. May
Permit Agent

ABO PETROLEUM CORPORATION
BOOMER FEDERAL #1
1450' FSL AND 330' FWL
SEC. 10, T15S, R29E
CHAVES COUNTY, NEW MEXICO

EXHIBIT A



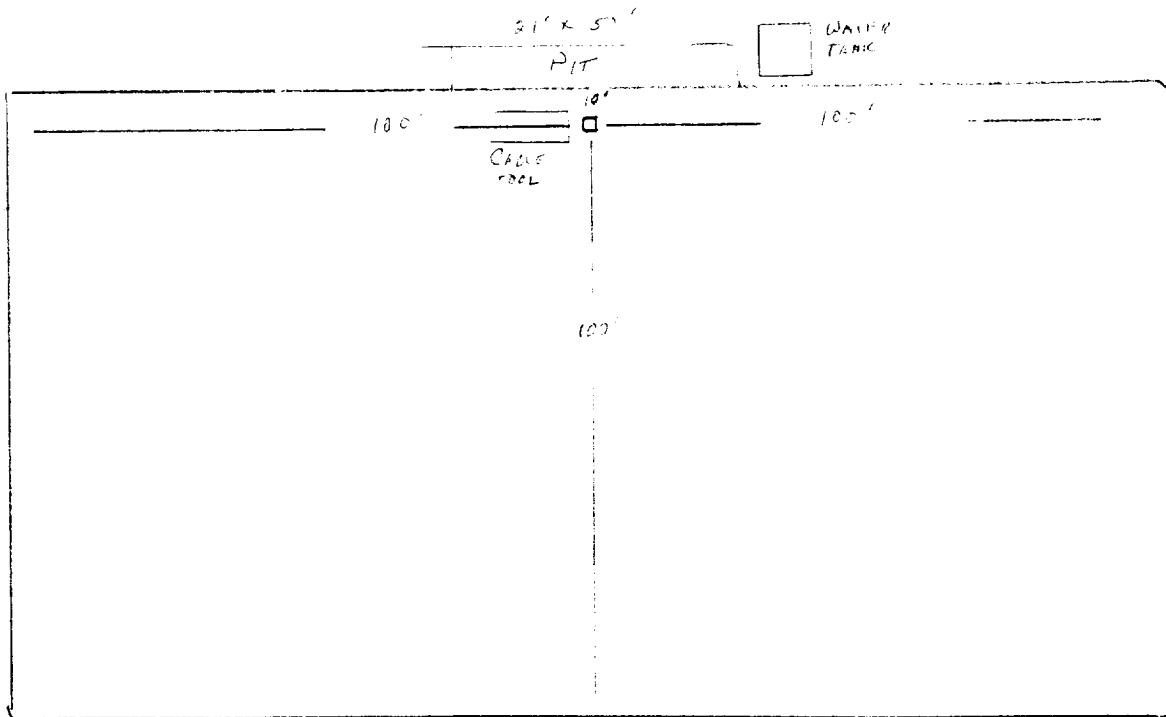


Exhibit B

EXHIBIT B

JOB No.

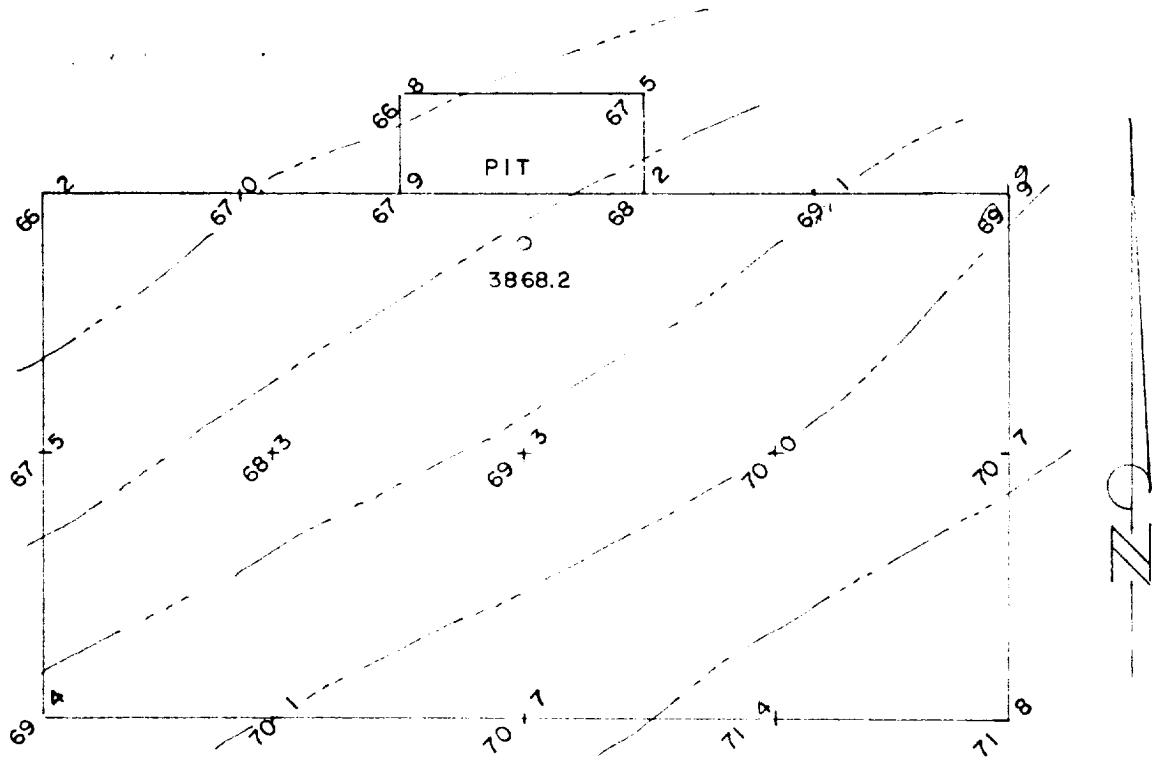


EXHIBIT C

ABO PETROLEUM CORPORATION

TOPO SHEET ABO PETROLEUM CORP.
BOOMER FEDERAL #1
330/W & 1650/S
Sec.10, T.15 S., R.29 E.,
CHAVES, NEW MEXICO

P.O. Box 996

Lovington, New Mexico 88260

SCALE: 1" = 1000'

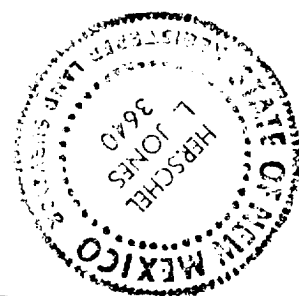
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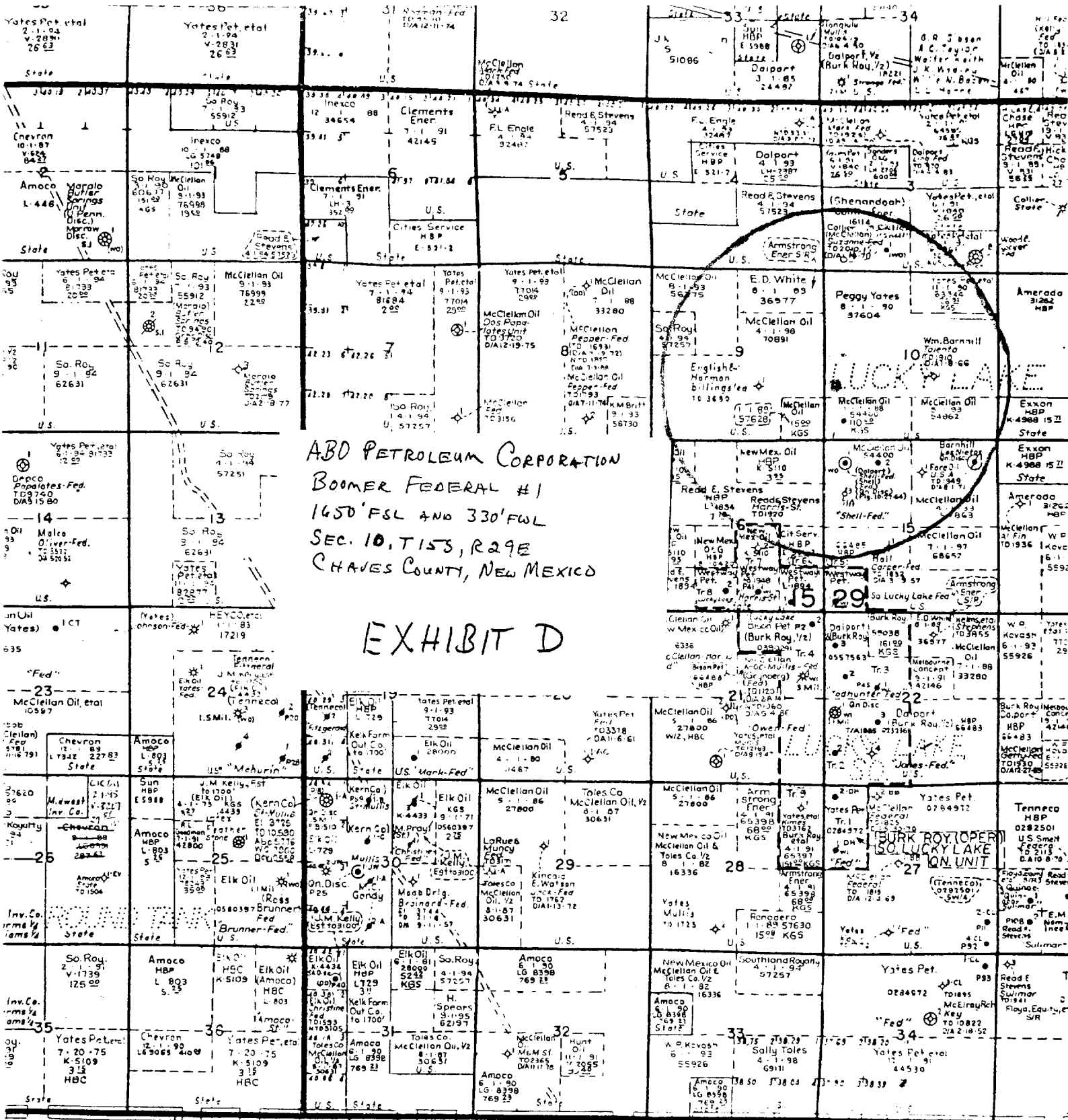
DATE: 6/13/90

SHEET 2 OF 2

Herschel L. Jones
HERSCHEL L. JONES

R.L.S. No. 3640





ABO PETROLEUM CORPORATION
BOOMER FEDERAL #1
1650' FSL AND 330' FWL
SEC. 10, T15S, R29E
CHAVES COUNTY, NEW MEXICO

EXHIBIT D

R29E

EDDY East



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