

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

YATES PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

YATES BUILDING, ARTESIA, N. M. 88210

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

At surface
660' FNL, 1980' FEL, Sec. 6, T8S-R32E, NMPM

At proposed prod. zone

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

20 Miles S.E. Elkins, New Mexico

15. DISTANCE FROM PROPOSED*

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

660'

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

2560'

16. NO. OF ACRES IN LEASE

950.35 Ac.

19. PROPOSED DEPTH

4400 feet

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

4479.87 Gr.

22. APPROX. DATE WORK WILL START*

July 1, 1977

23.

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	28 lb.	1800	600 (or circulate)
7 7/8	4 1/2	10 1/2 lb.	4400	300 <i>on to true y salt</i>

Test San Andres

SEE ATTACHED FOR
CONDITIONS OF APPROVALUnder Drilling Conditions have
Commenced, this drilling approval
Expires 9-6-77

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

TITLE Agent

DATE 5/23/77

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

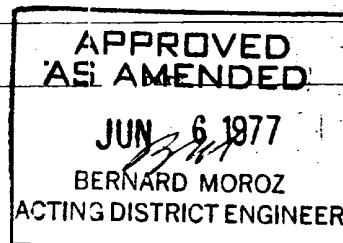
APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

"APPROVAL TO FLARE GRANTED
WHILE DRILLING AND TESTING."

*See Instructions On Reverse Side



Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

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U.S. CONSERVATION COMM.
WASDC, D. C.

APPLICATION for DRILLING
YATES PETROLEUM CORPORATION
Well No. 1 Wilson - Federal

1. The geologic surface formation is Ogallala.

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

Rustler	1735'
Salt	1800'
Base Salt	2100'
Yates	2170'
San Andres	3330'
Slaughter	4050'

3. The depth at which water, oil or gas are expected to be encountered is 4200'.

4. Casing program:

8 5/8", 24# at 1800' with cement circulated
4 1/2", 10 1/2# at 4300' with 200 sax.

New Pipe - J-55

5. Blowout Preventers:

Ram type with double hydraulic rams.
(See the specification sheet)

6. Circulating medium:

Steel and earthen pits will be used to hold mud and cuttings with drilling fluid as follows:

Water loss mud to 1800'.

Natural mud to 4000'.

After 4000' water loss to 10 cc or less with viscosity to 38-40.

7. The rig will be equipped with safety device such as a kelly cock, drill pipe float, full-opening stabbing valve, etc. Operational tests will be made as needed.

8. Two drill stem tests will be made in the San Andres.

9. No abnormal temperatures or pressures have been encountered in this area where many wells have been drilled heretofore.

10. Anticipated starting date is July 1, 1977 with completion approximately ten days later.

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CL. CONSERVATION COMM.
HARRIS, N. H.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION

Form 7-101
Supersedes 6-1-68
Date 11-15-1985

All distances must be from the outer boundaries of the Section.

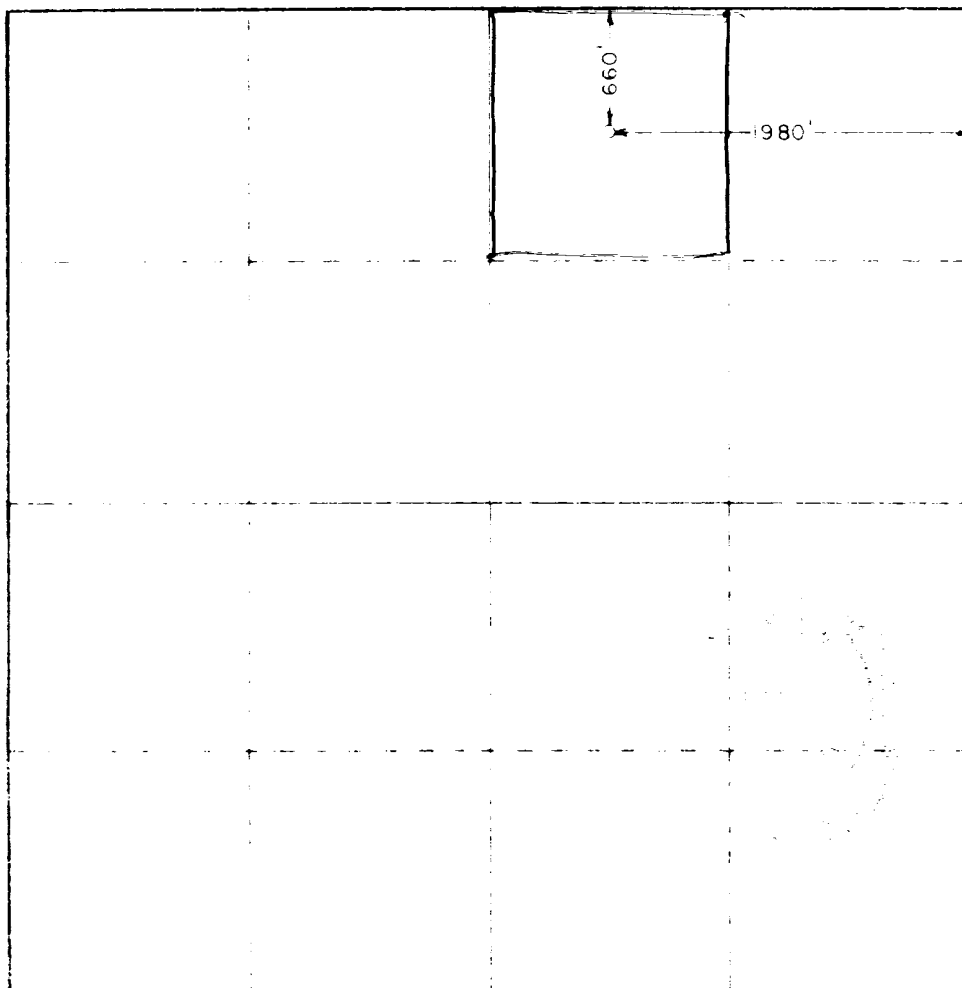
YATES PETROLEUM CORPORATION		Lease		EAST TOM TOM		Acreage	
B		6		8 South		32 East	
Chaves						1	
660		North		1980		East	
4479.87		SAN ANDRES				40	

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 interests 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 (if so reverse side of this form if necessary) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Charles C. Lovelless, Jr.
Agent
Yates Petroleum Corp.
5/31/77

I hereby certify that the verification 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.

May 5, 1977

John W. West

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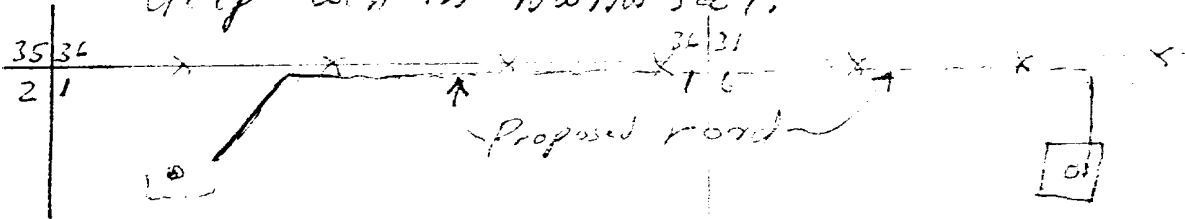
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U.S. CONSERVATION COMMISSION
HOUSTON, TEXAS

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OIL CONSERVATION COMM.
ROBBS, N. M.

Charles Leclerc

Due to the small scale
you cannot tell the details of
the road, but it goes north
from the NE corner of your pad
to a point 30' south of the east-west
fence which is near the section line
of section 6 and 1. We parallel
and are 30' south of the fence
going west for approx 1 1/2 mi then cuts
on a 45° angle southwesterly to the
Northeast corner of the pad of your
deep well in NWNW Sec 1.



We have attached some plats that
should be helpful in submitting your
application.

John West

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ROBES, N. H.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

YATES PETROLEUM CORPORATION

WELL NO. 1 EAST TOM TOM

660' FNL and 1980' FEL, Section 6, T8S-R32E, NMPM

Chaves County, New Mexico

Lease No. NM 0347394

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

1. EXISTING ROADS:

- A. See Exhibit "A". All existing roads within two miles of well site have been shown on County map.
- B. Exhibit "B" is a plat showing all existing roads within a one-mile radius of the wellsite, and the planned access road.
- C. Road from the shut-in gas well in NW/4 Sec. 1, T8S-R31E to Tom Tom Field road will be repaired as required for reasonable passage.

2. PLANNED ACCESS ROADS:

- A. Length and Width: New road required from above described well to subject location will be 12 feet wide and approximately 6500 feet in length. It will be graded and topped with caliche. John West engineering has staked and flagged the road shown in red on Exhibit "A"
- B. Surfacing Material: Six inches of caliche, water compacted and graded.
- C. Maximum Grade: 2 percent.
- D. Turnouts: Turnouts will be provided at two prior well locations and one turnout, 20 feet wide, will be placed between the well in NW/4 Section 1, above and the presently producing well in NW/4 Section 6, subject township.
- E. Drainage Design: New road will have a 6 inch crown longitudinally with borrow ditches for drainage.
- F. Culverts: One 12-inch culvert will be installed west of well site in a small depression.
- G. Cuts and Fills: None necessary.
- H. Gates and Cattleguards: None required.

3. LOCATION OF EXISTING WELLS:

- A. Existing wells within one mile radius are shown on Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

- A. Tank battery will be located on southeast corner of drill pad if such is needed. There are no indicated water disposal lines or injection lines. Flow lines, if required, will be laid on pad surface.
- B. No additional surface disturbance will occur.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Drilling water will be hauled from nearest commercial source over roads in existence or to be constructed.

6. SOURCE OF CONSTRUCTION MATERIALS:

- A. Caliche will be purchased from surface owner and BLM. Pit presently open.

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7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings will be disposed of in the drilling pits.
- B. Drilling fluids will be allowed to evaporate in the drilling pits until pits are dry.
- C. Water produced during tests will be disposed of in the drilling pits. Oil produced during tests will be stored in test tanks until sold.
- D. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- E. 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. Location of trash pit is shown on Exhibit "C".
- F. All trash and debris will be buried or removed from the well site within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES:

- A. None required.

9. WELLSITE LAYOUT:

- A. Exhibit "C" shows relative location and dimensions of the well pad, mud pits, reserve pit, trash pit, and location of major rig components.
- B. Only minor levelling of wellsite will be required. No cuts or fills necessary.
- C. The reserve pit will be plastic lined.
- D. The pad and pit area have been flagged.

10. PLANS FOR RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion operations all equipment and other material not needed for operations will be removed. Pits will be filled and location cleaned of all trash and junk to leave the wellsite in an aesthetically pleasing condition as possible.
- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. After abandonment of the well, surface restoration will be in accordance with the agreement with the surface owner. Pits will be filled and location will be cleaned. The pit area, well pad, and all unneeded access road will be ripped to promote revegetation. Rehabilitation should be accomplished within 90 days after abandonment.

11. OTHER INFORMATION:

- A. Topography: - Flat plain.
- B. Soil: Sandy.
- C. Flora and Fauna: Typical semi-arid desert. See Archeological report attached. Typical wildlife consists of rabbits, coyotes, reptiles, dove and quail.
- D. Ponds and Streams: None evident.
- E. Residences and Other Structures: None within two-mile radius.

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WASPS, N. M.

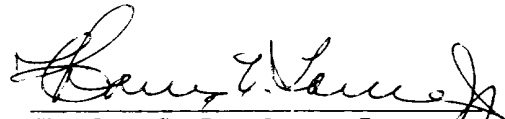
- F. Archeological, Historical and Cultural Sites: None observed. See report attached.
- G. Land Use: Grazing.
- H. Surface Owner: Mays Jenkins, Sr. All roads are on fee surface.
12. OPERATOR'S REPRESENTATIVE: Field personnel who can be contacted concerning compliance of this Multi-Point Surface Use and Operations Plan are as follows:

Drilling and Production

Charles C. Loveless, Jr.
P.O. Box 566
Roswell, New Mexico 88201
Telephone: 505-622-1958

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 as they actually exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the proposed work performed by Yates Petroleum Corporation and its contractors and sub-contractors will conform to this plan.

May 31, 1977
Date


Charles C. Loveless, Jr.

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U.S. CONSERVATION COMM.
HOBBES, N. M.

Rig #7

6x6x4
CELLAR

LOCATION

27'

27'

Bottom

65'

Top

SPACED FOR
SLOTTED

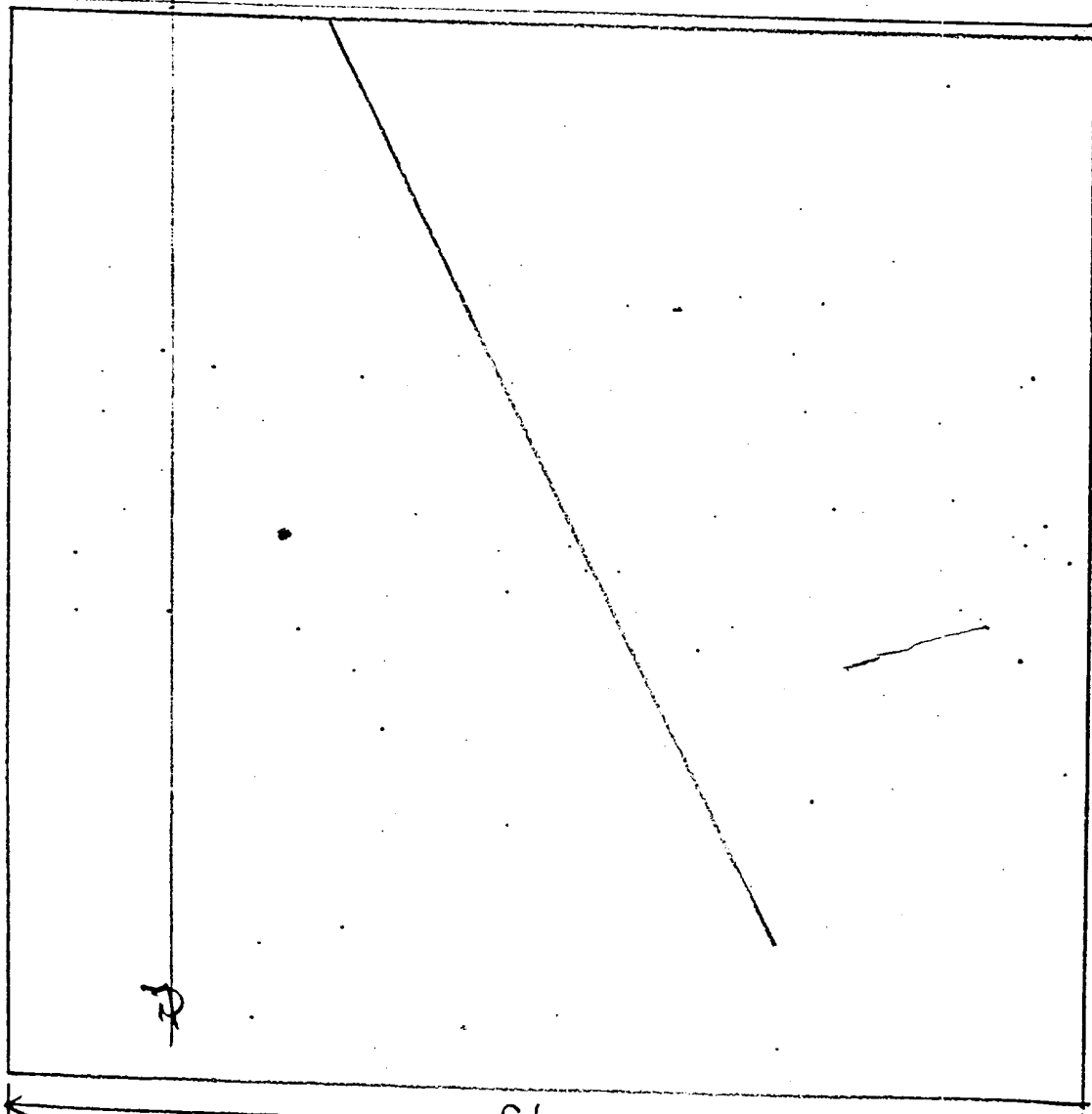
• 10' WIDE

5-6 FEET DEEP

Slope up
For Trucks

NOTE: PITS MUST BE 75'
CLEAR & LEVEL
FROM BOTTOM TO BOTTOM ENDS
NO LESS

80'

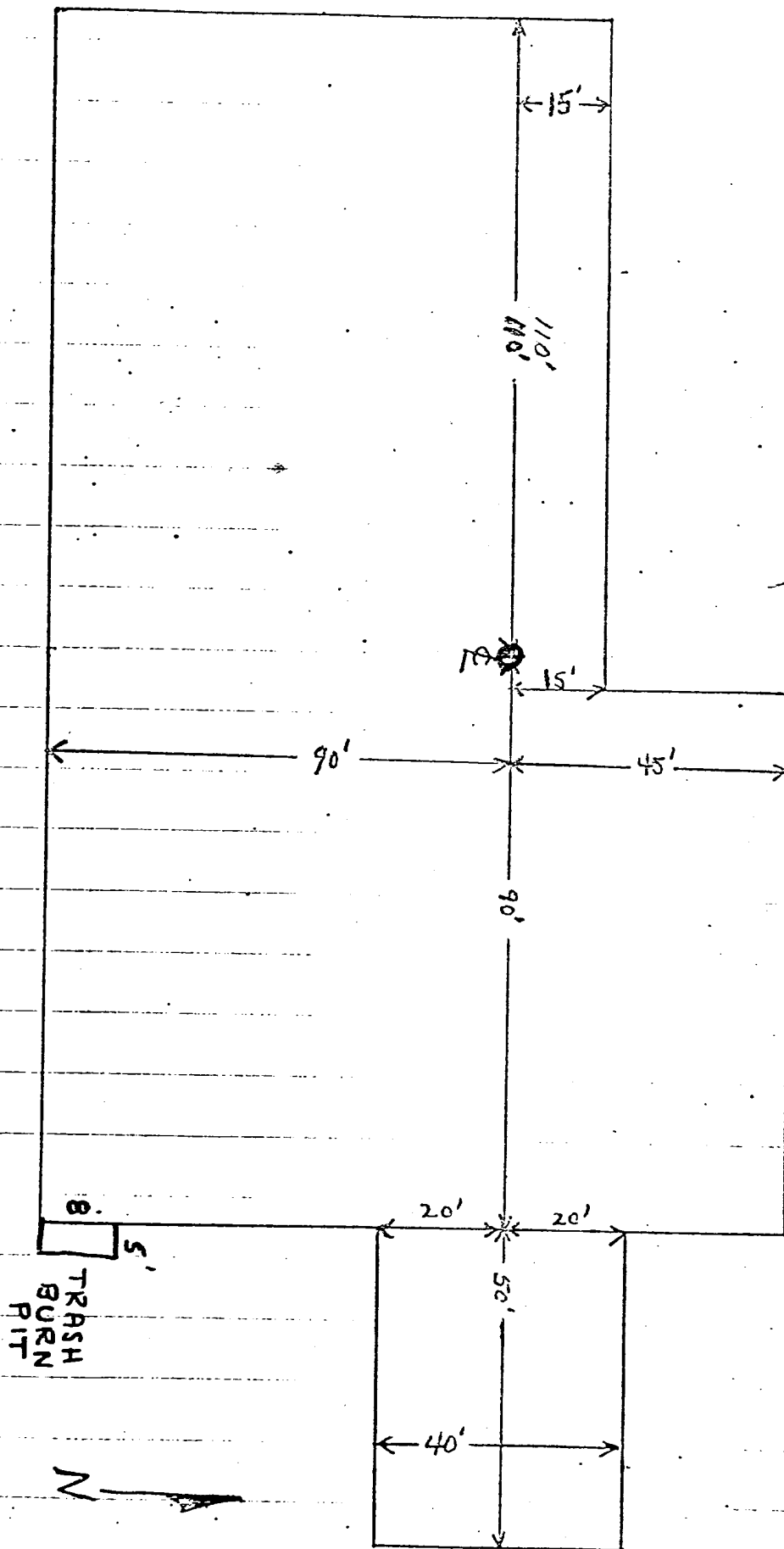


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PAD FOR MEDIUM SIZE RIG

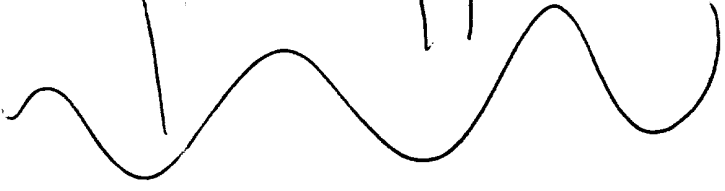


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PO BOX, N. M.

Continue
from here



"FOLDERS"
(Left off on Folder #30,
start on #31)

OFFSET LEASE OWNERS

County, _____

Township _____, Range _____ Township _____, Range _____

Township _____, Range _____ Township _____, Range _____

Form 104—Four on Township—In Stock and For Sale by Gass Printing Co., Tulsa, Okla.

31E

32E

7S

7S

8S

8S

6	5	4	3	2	1	6	5	4	3	2	1
7	8	9	10	11	12	7	8	9	10	11	12
18	17	16	15	14	13	18	17	16	15	14	13
19	20	21	22	23	24	19	20	21	22	23	24
30	29	28	27	26	25	30	29	28	27	26	25
31	32	33	34	35	36	31	32	33	34	35	36
6	5	4	3	2	1	6	5	4	3	2	1
7	8	9	10	11	12	7	8	9	10	11	12
18	17	16	15	14	13	18	17	16	15	14	13
19	20	21	22	23	24	19	20	21	22	23	24
30	29	28	27	26	25	30	29	28	27	26	25
31	32	33	34	35	36	31	32	33	34	35	36

ROOSEVELT COUNTY

CHAYES COUNTY

PROPOSED LOCATION

OFFSET LEASE OWNERS

☐ Wilson Oil ☐ Holly Energy ☐ Sundance ☐ Skarmen - 4444 ☐ WISEN OIL

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HOBBES, N. M.

1011 N. Lea Ave.
Roswell, N. M. 88201
May 10, 1977

Manager
Bureau of Land Management
1717 West Second St.
Roswell, N. M. 88201

Re: All of Section 1-8S-31E and All of Section 6-8S-32E,
N.M.P.M., Chaves County, New Mexico

Dear Sir:

I am the owner of the above described lands.

Be advised that a satisfactory settlement and agreement has been made between the undersigned parties with regard to the drilling of a well in search of oil and gas at a location 660 ft. from the North line and 1980 ft. from the East line of Section 6, T-8-S, R-32-E, N.M.P.M., Chaves County, New Mexico.

It is understood between the parties that all reasonable precautions will be taken to preserve the surface and keep all damages to a minimum during the whole of any operations conducted in connection with the above described well.

Yours very truly,

Mays Jenkins
Mays Jenkins, Sr.

Acknowledged and agreed to on
this 11th day of May, 1977:

YATES PETROLEUM CORPORATION
L. D. M. ASSOCIATES, agent

By: *Harry E. Lawrence*

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OIL CONSERVATION COMM.
HOESBS, N. M.

Archaeological Clearance Report

for

Yates Petroleum Corporation

by

Eduardo A. Mimiaga

Submitted by

Dr. J. Loring Haskell
Operations Director and
Principal Investigator
Agency of Conservation Archaeology
Eastern New Mexico University
Portales

16 May 1977

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INTRODUCTION

An archaeological reconnaissance was completed recently by the Agency of Conservation Archaeology, Eastern New Mexico University, Portales, for Yates Petroleum Corporation at the request of L. D. M. Associates, in Chaves County, New Mexico. The area will be impacted by the construction of an access road and drilling location. This project was completed under Federal Antiquities Permit No. 77-NM-021.

The project was administered by Mr. Charles J. Loveless, representative for L. D. M. Associates, and Dr. J. Loring Haskell, Operations Director and Principal Investigator, Agency of Conservation Archaeology, Eastern New Mexico University, Portales.

The reconnaissance was completed by Eduardo A. Mimiaga on 16 May 1977

SURVEY TECHNIQUE

The archaeologist accomplished the survey by walking a zigzag pattern the length and breadth of the proposed right-of-way. The drill pad was walked in a series of zigzag transects, measuring 25 ft each in width. These techniques permitted optimal conditions for the examination of primary and secondary areas of impact.

Proposed Access and Drill Location for
Yates Petroleum Corporation--East Tom Tom No. 1

LOCATION

The proposed access road is 12 ft wide and extends 7,920 ft passing through:

N $\frac{1}{2}$ N $\frac{1}{2}$, Section 1, T8S, R31E, NMPM, Chaves County, NM (BLM)
N $\frac{1}{2}$ N $\frac{1}{2}$, Section 6, T8S, R32E, NMPM, Chaves County, NM (BLM)

The proposed drill location measures 400 ft x 400 ft and is located in:

NE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 6, T8S, R32E, NMPM, Chaves County, NM (BLM)

Map Reference: None available.

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TERRAIN

Local terrain consists of a level plain with deep aeolian sand deposits interspersed with deflation basins ranging up to 6 ft in depth.

FLORISTICS

The local plant community consists of Prosopis juliflora, Quercus havardii, Aristida longiseta, Ephedra spp., and Bouteloua gracilis.

CULTURAL RESOURCES

No cultural resources were recorded during this reconnaissance.

RECOMMENDATIONS

ACA recommends clearance for the proposed access right-of-way and drill location and suggests that construction proceed without modification of existing plans.

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HOBBS, N. M.

U. S. Geological Survey

HOBBS DISTRICT

Yates Petroleum Corporation

No. 1 East Tom Tom

NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6-8S-32E

Chaves County, New Mexico

Above Data Required on Well Sign

CONDITIONS OF APPROVAL

1. Drilling operations authorized are subject to compliance with the attached General Requirements for Drilling Operations on Federal Oil and Gas Leases, dated January 1, 1977.
2. Notify this office (telephone (505) 393-3612) when the well is to be spudded and in sufficient time for a representative to witness all cementing operations. Attached are names and telephone numbers of Geological Survey and Bureau of Land Management personnel who are available for consultation during construction, drilling, completion, and rehabilitation activities.
3. Immediate notice is required of all blowouts, fires, spills, and accidents involving life-threatening injuries or loss of life.
4. Secure prior approval of the District Engineer for variance from the approved drilling program and before commencing plugging operations, plug-back work, casing repair work, corrective cementing operations, or suspending drilling operations indefinitely.
5. Blowout prevention equipment is to be installed, tested, and in working order before drilling below the surface casing and shall be maintained ready for use until drilling operations are completed.
6. All pits found to contain toxic liquids will be fenced and covered with a fine-mesh netting for the protection of wildlife as directed by the responsible BLM representative. (1/2" or less)
7. Operations must be in compliance with the provisions of the landowner agreement concerning surface disturbance and surface restoration.

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