

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-015-23900

## 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 14297-A
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR RPM ENERGY, INC.		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 613 Commercial Bank Tower, Midland, TX 79701		8. FARM OR LEASE NAME CITCO FEDERAL
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 430' FNL 2210' FEL Sec. 21-16S-26E O. C. D. At proposed prod. zone Same ARTESIA, OFFICE		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 5 Miles Northeast of Artesia, N.M.		10. FIELD AND POOL, OR WILDCAT Undesignated San Andres
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 430'	16. NO. OF ACRES IN LEASE 80	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 14-B 21-16S-26E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None	19. PROPOSED DEPTH 1400' San Andres	12. COUNTY OR PARISH Eddy
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3355 GL		13. STATE NM
22. APPROX. DATE WORK WILL START* August 7, 1981		

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14"	12 3/4"	35# X-42	400'	350 sx Class H (Circ.)
11"	8 5/8"	24# J-55	1030'	950 sx Class C (Circ.)
7 7/8"	4 1/2"	9.5# X-42	1400'	325 sx Class C

Plan to drill to 1400'± with Cable Tool Rig to test the San Andres Formation.

Cable Tool control head will be used while drilling.

Drilling operations will be conducted over the August 31, 1981 expiration date to justify a 2-year lease extension pursuant to 43 CFR, Part 3107.2-3.

RECEIVED  
AUG 3 1981

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, reverse blowout preventer program, if any.

SIGNED Jerry H. Long TITLE Agent DATE July 30, 1981

(This space for Federal or State office use)

PERMIT NO. APPROVED APPROVAL DATE AUG 17 1981APPROVED BY JAMES A. GILLHAM TITLE DISTRICT SUPERVISOR DATE AUG 17 1981FOR  
JAMES A. GILLHAM  
DISTRICT SUPERVISOR

\*See Instructions On Reverse Side

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

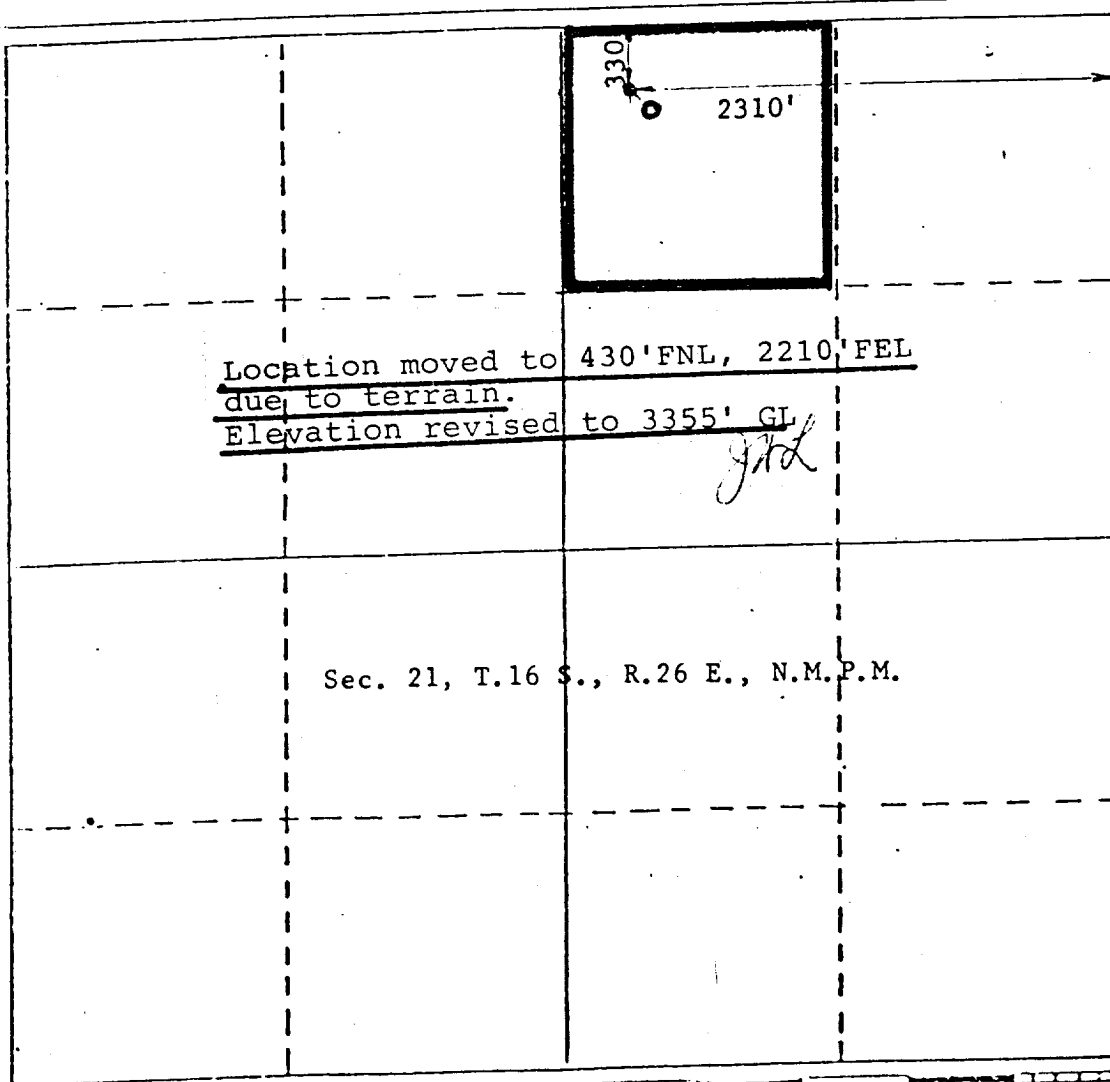
Operator <del>XXXXXX</del> RPM ENERGY, INC.		Lease CITCO FEDERAL		Well No. 1
Well Letter B	Section 21	Township 16 South	Range 26 East	County Eddy
Actual Footage Location of Well: 430' 330' feet from the North line and 2310' 2210' feet from the East line				
Ground Level Elev. 3352	Producing Formation San Andres	Pool Undesignated	Dedicated Acreage: 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 work 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. (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 interests, has been approved by the Division.



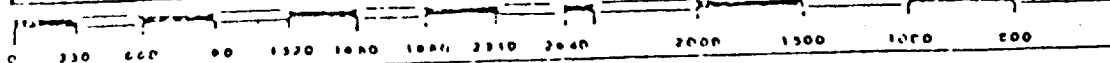
#### CERTIFICATION

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

Name  
JERRY W. LONG  
Position  
Agent  
Company  
RPM ENERGY, INC.  
Date  
July 30, 1981

I hereby certify that the well location shown on this plat was plotted from the notes of actual surveys made by me under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
July 12, 1981  
Registered Professional Engineer  
and/or Land Surveyor  
John D. Jaquess  
Certificate No. 6290



PERTINATE INFORMATION

For

RPM ENERGY, INC.  
No.1 CITCO FEDERAL  
NW $\frac{1}{4}$ NE $\frac{1}{4}$  Sec.21-16S-26E  
Eddy County, N.M.

NM 14297-A

<u>LOCATED:</u>	5 miles northeast of Artesia, N.M.
<u>FEDERAL LEASE NUMBER:</u>	NM 14297-A
<u>LEASE ISSUED:</u>	September 1, 1971 10 Year Primary Term
<u>RECORD LESSEE:</u>	Cities Service Company
<u>BOND COVERAGE:</u>	Lessee's Nationwide Bond
<u>AUTHORITY TO OPERATE:</u>	Designation of Operator
<u>ACRES IN LEASE:</u>	80
<u>SURFACE OWNERSHIP:</u>	Privately-owned
<u>OWNER:</u>	Barbara J. Bedingfield
<u>POOL RULES:</u>	General Statewide Rules 40 Acre spacing
<u>EXHIBITS:</u>	A. Road Map B. Contour Map with adjacent Wells C. Rig Layout D. Flood Plain Map

## SUPPLEMENTAL DRILLING DATA

RPM ENERGY, INC.  
No.1 CITCO FEDERAL  
NW¼NE¼ Sec.21-16S-26E  
Eddy County, N.M.

NM 14297-A

The following items supplement Form 9-331C in accordance with instructions contained in NTL-6.

1. SURFACE FORMATION: Recent

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Surface - Alluvian  
San Andres - 800'

3. PRIMARY OBJECTIVE: Oil from San Andres formation. No surface water expected below 300'.

4. CASING AND CEMENTING PROGRAM:

Surface: 12 3/4", 35#, X-42 casing will be set to protect surface waters. The casing will be set at about 400' with 14 ppg cement circulated to the surface.

Intermediate: 8 5/8", 24#, J-55 casing will be set to protect the Artesian fresh water zones. This casing will be set at about 1030'± and cemented back to the surface with an estimated 950 sacks of Class C cement.

Production: If commercial quantities of oil are encountered, a string of 4½", 9.5#, X-42 casing will be run through the production zone and cemented with sufficient cement to isolate all water, oil and gas zones.

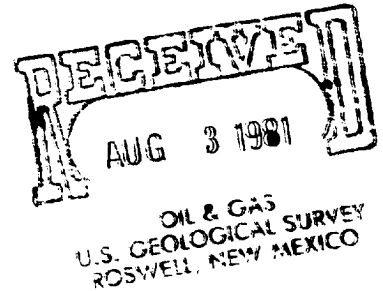
5. PRESSURE CONTROL EQUIPMENT: Current development of the San Andres formation in this general area indicates that high pressures should not be present in this zone. Since the well will be drilled with cable tools, formation pressure will be controlled by weight of the mud in the hole and use of a control head at the surface.

6. CIRCULATING MEDIUM: None
7. TESTING, LOGGING AND CORING: Since this will be a cable tool operation, there will be no coring or drillstem tests. A Neutron Formation Density log will be run after total depth is reached. Other logs will be run as necessity dictates.
8. SUBSURFACE HAZARDS: No abnormal pressure or temperature conditions are expected. No production of hydrogen sulfide gas is anticipated.
9. STARTING DATE: This lease is due to expire on August 31, 1981. Therefore, operations will be commenced in sufficient time for the well to be drilling over the expiration date, to justify a 2 year lease extension pursuant to CFR 43, Part 3107.2-3. Drilling operations will be conducted for about 30 days. Normal operations will be conducted after drilling is completed. This will include selective perforating of potentially productive zones and stimulation with 2000 gallons of 15% HCL.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

RPM ENERGY, INC.  
No.1 CITCO FEDERAL  
NW $\frac{1}{4}$ NE $\frac{1}{4}$  Sec.21-16S-26E  
Eddy County, N.M.

NM 14297-A



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. Exhibit "A" is a portion of a road map showing the location of the proposed well as staked. The well is located 5 miles northeast of Artesia, N.M.
- B. Directions: Go 5 miles north from Artesia, paralleling the railroad track. Turn East on County paved road and go  $\frac{1}{2}$  mile to new access road to the location. The well is about 150' north of the paved road.

2. PLANNED ACCESS ROAD:

- A. Length and Width: Access from the paved road will require construction of a new road 150' long and 12' wide. This road and pad will be entirely on fee surface. An agreement has been made with the fee surface owner regarding surface disturbance and restoration.
- B. Surfacing Material: None required
- C. Maximum Grade; Essentially level
- D. Turnouts: None necessary
- E. Drainage Design: None necessary

- F. Culverts: None necessary
- G. Cuts and Fills: Approximately 1' of cut and fill for the road and pad. Pit will be 8'x50'x6' deep.
- H. Gates, Cattle Guards: None necessary
- 3. LOCATION OF EXISTING WELLS:
  - A. Location of adjacent wells are indicated on attached Exhibit B.
- 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:
  - A. There are presently no wells or facilities on the lease. It is anticipated that oil separation and storage facilities will be constructed on an unused portion of the well pad.
  - B. If a central lease battery is constructed at a later date, a modified surface use plan will be submitted.
- 5. LOCATION AND TYPE OF WATER SUPPLY:
  - A. Since this well will be drilled with cable tools, a minimal amount of water will be required. Necessary water will be obtained from a commercial source.
- 6. SOURCE OF CONSTRUCTION MATERIALS:
  - A. If a caliche surface is necessary, it will be obtained from a commercial source.
- 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 the 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 the trash pit is shown on Exhibit C.
- F. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES:

A None necessary

9. WELL SITE LAYOUT:

- A. Exhibit "C" indicates the relative location of the mud pit, trash pit, cable tool rig, and the size of the location.
- B. A minimum of rig components will be necessary, since this will be a cable tool operation.
- C. No generating equipment will be necessary, since this will be a daylight operation.

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 the 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. Restoration will be consistent with the wishes of the surface owner. Minimum rehabilitation will consist of removing trash and leveling of the location and pits.

11. OTHER INFORMATION:

- A. Topography: The terrain is an essentially flat portion of the Pecos Valley. The well is not within the Designated Flood Plain of the Pecos River, as indicated by Exhibit D.



- B. Soil: The soil is predominantly a gray gypsiferous silt, interspersed with small pebbles and caliche fragments. Taxonomically it can be classified as a calciorthid.
- C. Flora and Fauna: Density of vegetation on the road and pad is about 70%, consisting primarily of grasses. Species present are ring muchly, four wing salt brush, prickly pear, rabbit brush and sand drop seed. No animals were noted during the initial field survey. However, it is expected that fauna would include such animals as rodents, birds and reptiles.
- D. Ponds or Streams: The well is located about 2 miles west of the Pecos River and ½ mile southwest of Cottonwood Creek.
- E. Residences and other Structures: The nearest dwelling is 0.15 mile west of the location. The operation should not cause an adverse impact on the dwelling.
- F. Archaeological, Historical and other Cultural Sites: An archaeological survey was conducted by the Agency for Conservation Archaeology. A few widely scattered lithics were the only indication of cultural resources. An Archaeological Report and recommendations has been furnished to U.S.G.S. and BLM for consideration by those agencies.
- G. Land Use: The land is not cultivated. It is suitable for grazing, but is not fenced.
- H. Surface Ownership: Privately-owned by Barbara J. Bedingfield. A copy of the surface owner agreement is attached.

12. OPERATOR'S REPRESENTATIVE:

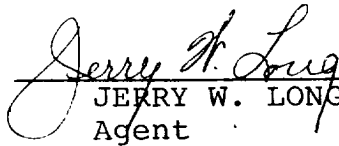
Representative responsible for assuring compliance with the approved Surface Use Plan:

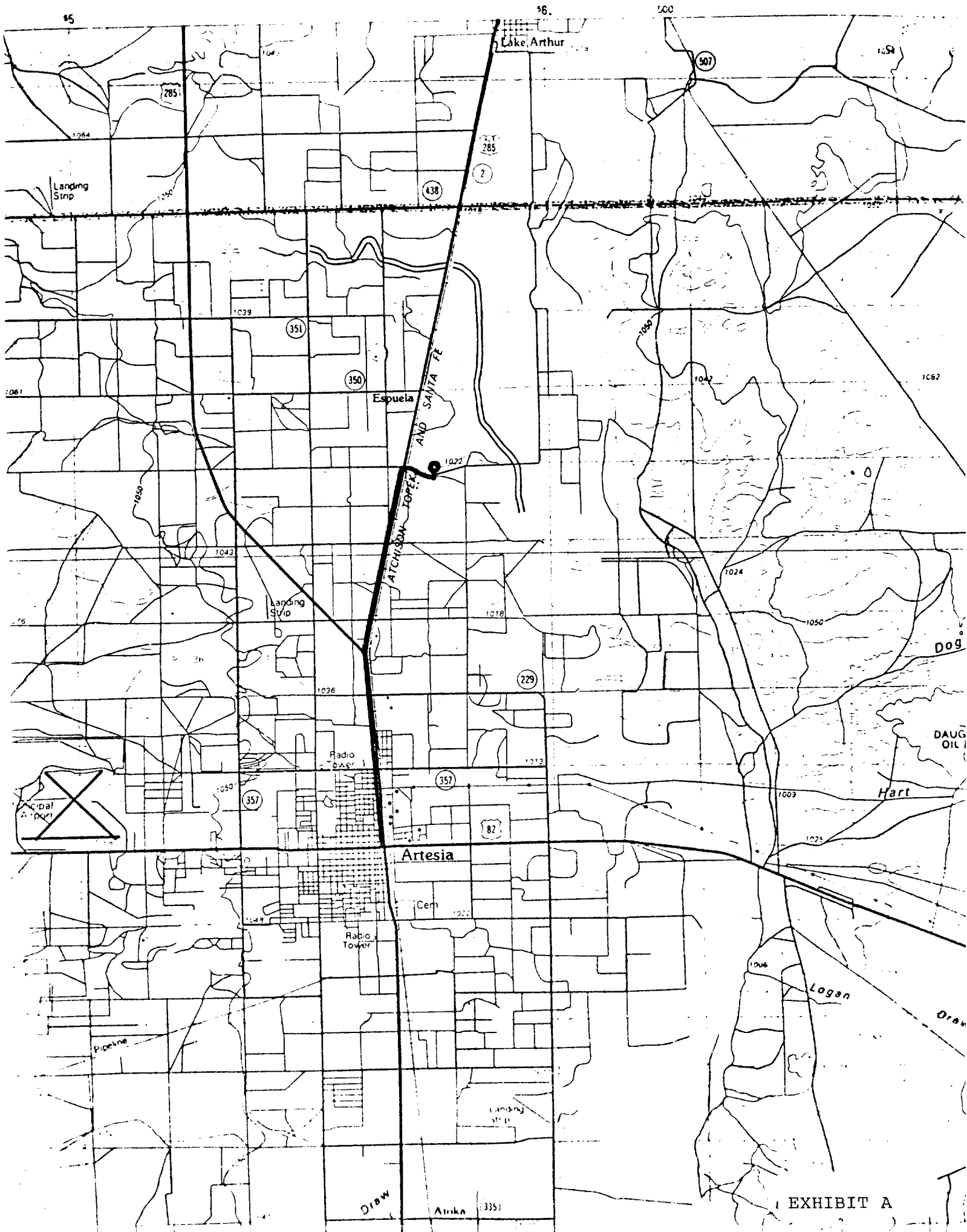
Roy Jones  
613 Commercial Bank Tower  
Midland, TX 79701  
Ph.915-684-7811

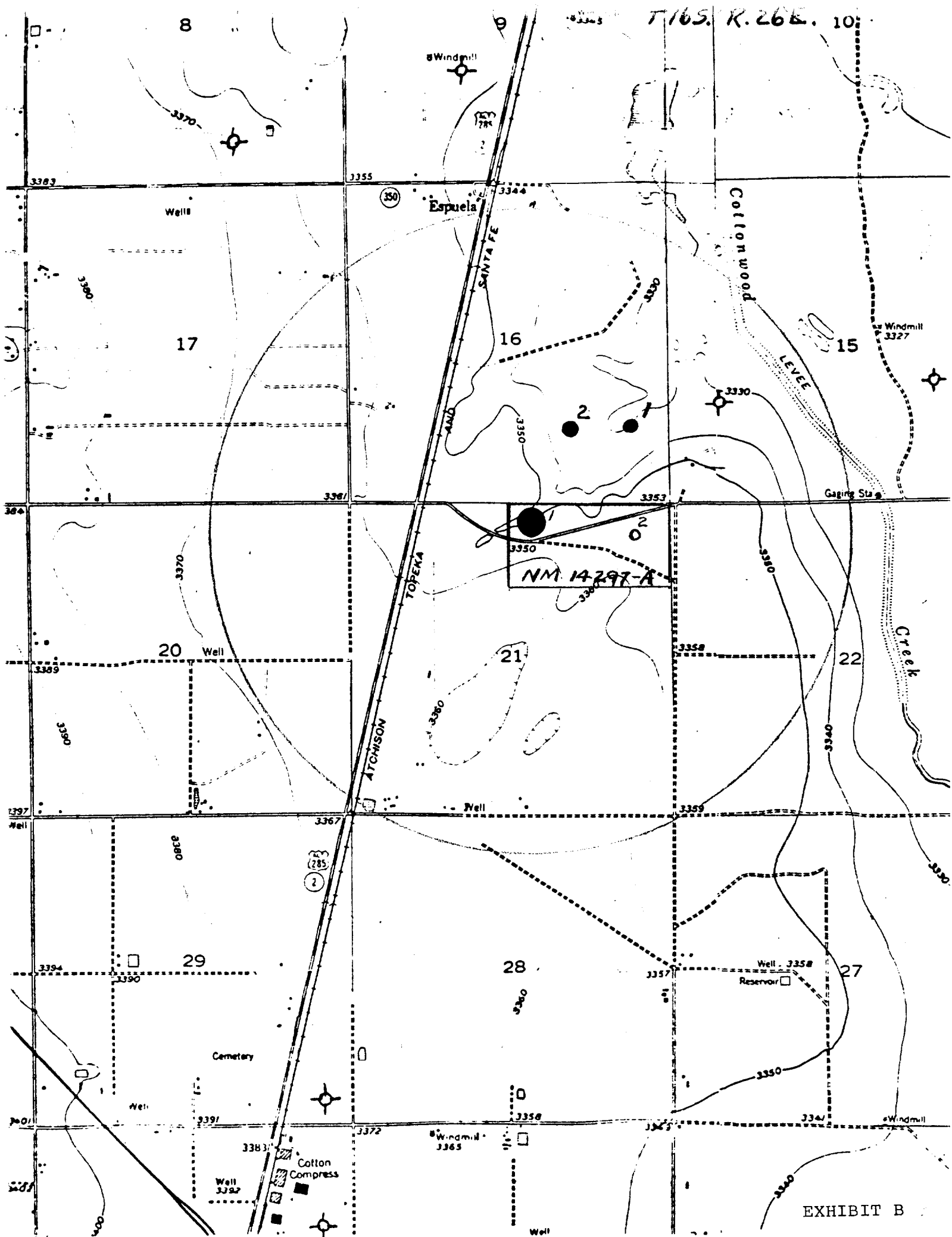
13. CERTIFICATION:

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 RPM ENERGY, INC. and its sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

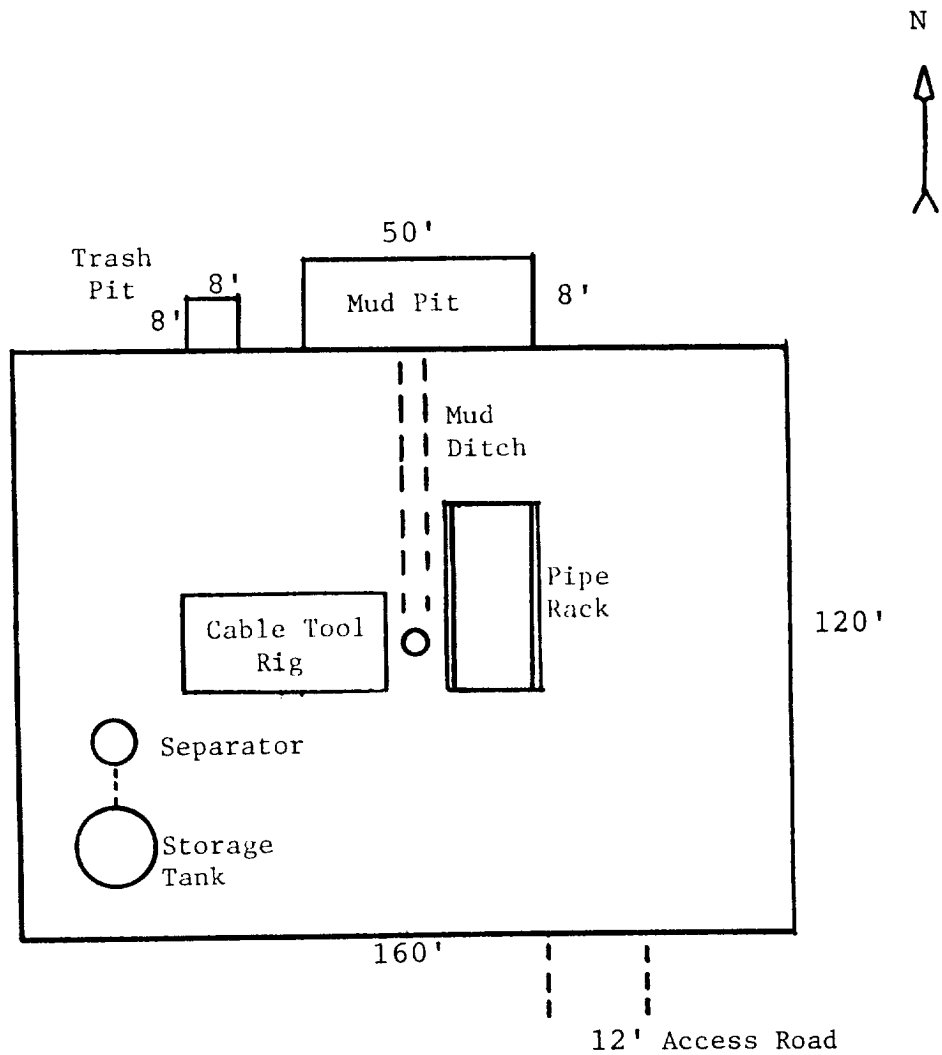
July 30, 1981  
Date

  
JERRY W. LONG  
Agent

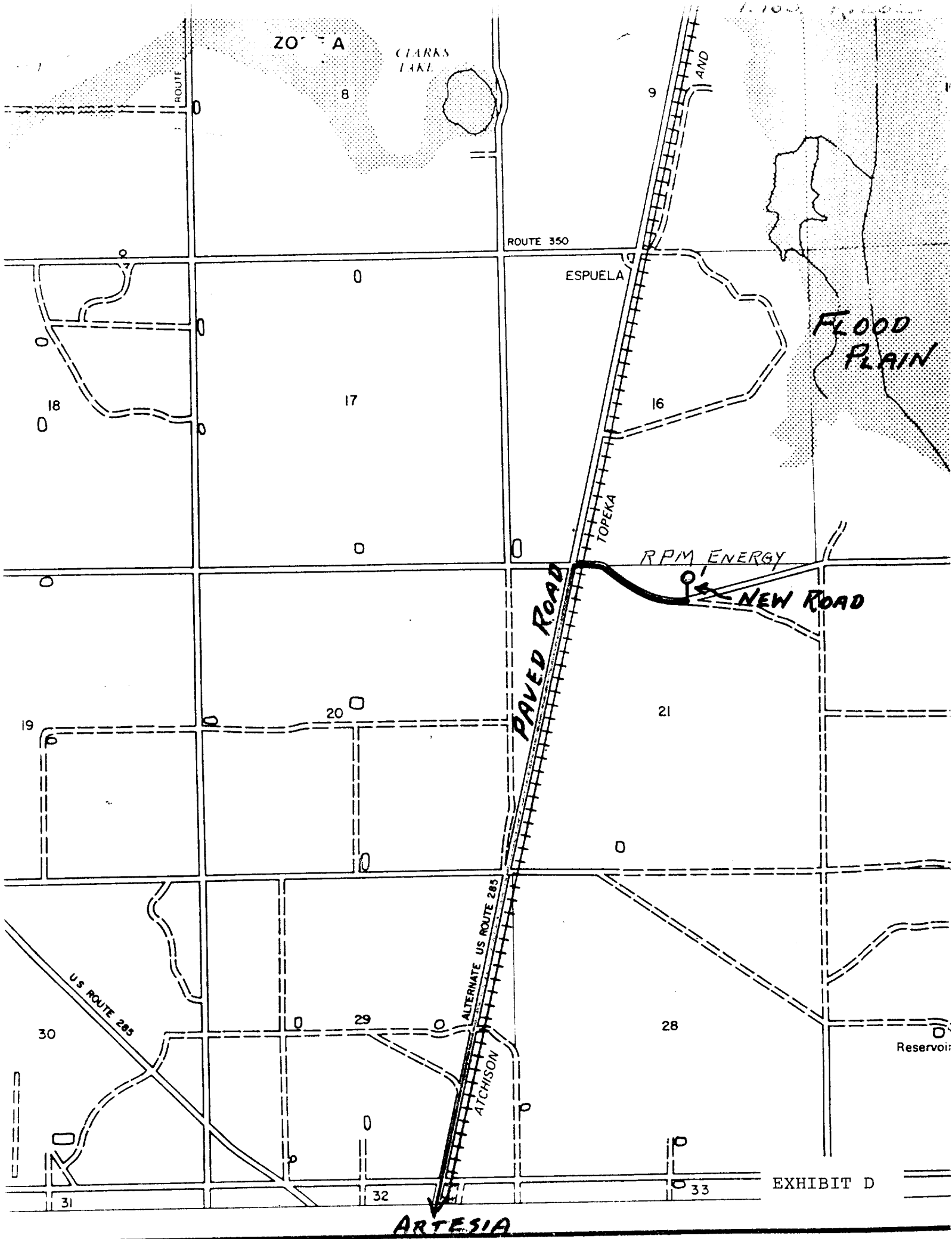




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NW $\frac{1}{4}$ NE $\frac{1}{4}$  Sec.21-16S-26E  
Eddy County, N.M.



CABLE TOOL RIG LAYOUT



REHABILITATION PLAN

Lease No.: NM-14297-A; Well Name and No.: Federal #1  
Location: 430' FNL & 2210' FEL, Sec. 21, T. 16S N., R. 26E W

RPM Energy, Inc. intends to drill a well on surface owned by Barbara J. Beddingfield. The lessee/operator agrees to complete the following rehabilitation work if the well is a producer:

- ☒ Yes ☐ No Maintain access road and provide adequate drainage to road.  
☒ Yes ☐ No Reshape and reseed any area not needed for maintenance of the pump and support facilities.

Other requirements: \_\_\_\_\_

The following work will be completed when the well is abandoned:

- ☒ Yes ☐ No Pit will be fenced until dry, then filled to conform to surrounding topography.  
☐ Yes ☒ No Water bars will be constructed as deemed necessary.  
☐ Yes ☒ No Site will require reshaping to conform to surrounding topography.  
☐ Yes ☒ No Entire disturbed area will be reseeded. If yes, the following seed mixture will be used.

\_\_\_\_\_  
☐ Yes ☒ No Access road will be closed, rehabilitated and reseeded using the same seed mixture as above.

☒ Yes ☐ No Access road will remain for surface owner's use.

☐ Yes ☒ No Water bars will be constructed on the access road as deemed necessary.

Other requirements: \_\_\_\_\_

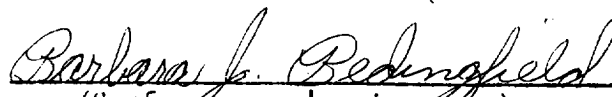
Surface Owner:

Name: Barbara J. Beddingfield  
Address: 307 McArthur  
City: Artesia, New Mexico  
State: New Mexico  
Telephone: (505) 741-4547  
Date: 7/29/81

Operator/Lessee:

Name: RPM Energy, Inc.  
Address: 613 Commercial Bank Tower  
City: Midland, Texas  
State: Texas  
Telephone: (915) 684-7811  
Date: 7/29/81

I CERTIFY that above rehabilitation plan is acceptable to me. I also waive an intensive Cultural Resource Field Inventory.

  
(Surface owner's signature)

This plan does not affect any other agreements between the lessee/operator and surface owner.