

1. $\frac{1}{x^2} = x^{-2}$
2. $\frac{d}{dx} x^{-2} = -2x^{-3}$
3. $= -\frac{2}{x^3}$

| | |
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| OPERATOR | 1 |

5A. Indicate Type of Lease
STATE FEDERAL

5. State Oil & Gas Lease No.

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"/> | | 7. Unit Agreement Name | |
| b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> | | 8. Form or Lease Name Maddox | |
| 2. Name of Operator UNION TEXAS PETROLEUM CORPORATION | | 9. Well No. #2 | |
| 3. Address of Operator 1860 Lincoln Street #1010, Denver, Colorado 80295 | | 10. Field and Pool, or Wildcat Blanco Pictured Cliffs | |
| 4. Location of Well UNIT LETTER I LOCATED 1875 FEET FROM THE South LINE AND 753 FEET FROM THE East LINE OF SEC. 17 TWP. 30N R. 8W NMPM | | 12. County San Juan | |
| 19. Proposed Depth 2800' | | 19A. Formation Pictured Cliffs | 20. Rotary or C.T. Rotary |
| 21. Elevations (State whether DF, KI, etc.) 5677' GR | 21A. Kind & Status Plug. Bond | 21B. Drilling Contractor Not contracted | 22. Approx. Date Work will start 7/15/80 |

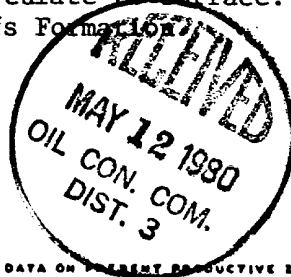
PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|----------|
| 12-1/4" | 8-5/8" | 32# | 300' | 200 | Surface |
| 7-7/8" | 5-1/2" | 14# | 2,800' | 1,200 | Surface |

Plan to drill as follows:

1. MIRU rotary tool, drill 12-1/4" hole to 300'.
2. Set 8-5/8", 32#, K-55, new casing at 300' and cement with sufficient volume to circulate to surface.
3. Drill 7-7/8" hole to approximately 2800' and log Pictured Cliffs formation.
4. In the event commercial quantities of gas are encountered, 5-1/2", K-55, new casing will be set at TD and cemented with sufficient volume to circulate to surface.
5. Based on logs, perforate and complete in Pictured Cliffs formation.
6. Stimulate if necessary.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,
EXPIRES 8-10-80



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, GIVE SHUT-IN PREVENTER PROGRAM, IF ANY.

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

Signed C.W. Alston Title DISTRICT PETROLEUM ENGINEER Date APRIL 24, 1980

(This space for State Use)

APPROVED BY Frank S. Chapp TITLE SUPERVISOR DISTRICT #3 DATE MAY 1980

CONDITIONS OF APPROVAL, IF ANY:

Hold C-104 for NSL

BCR will be used

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

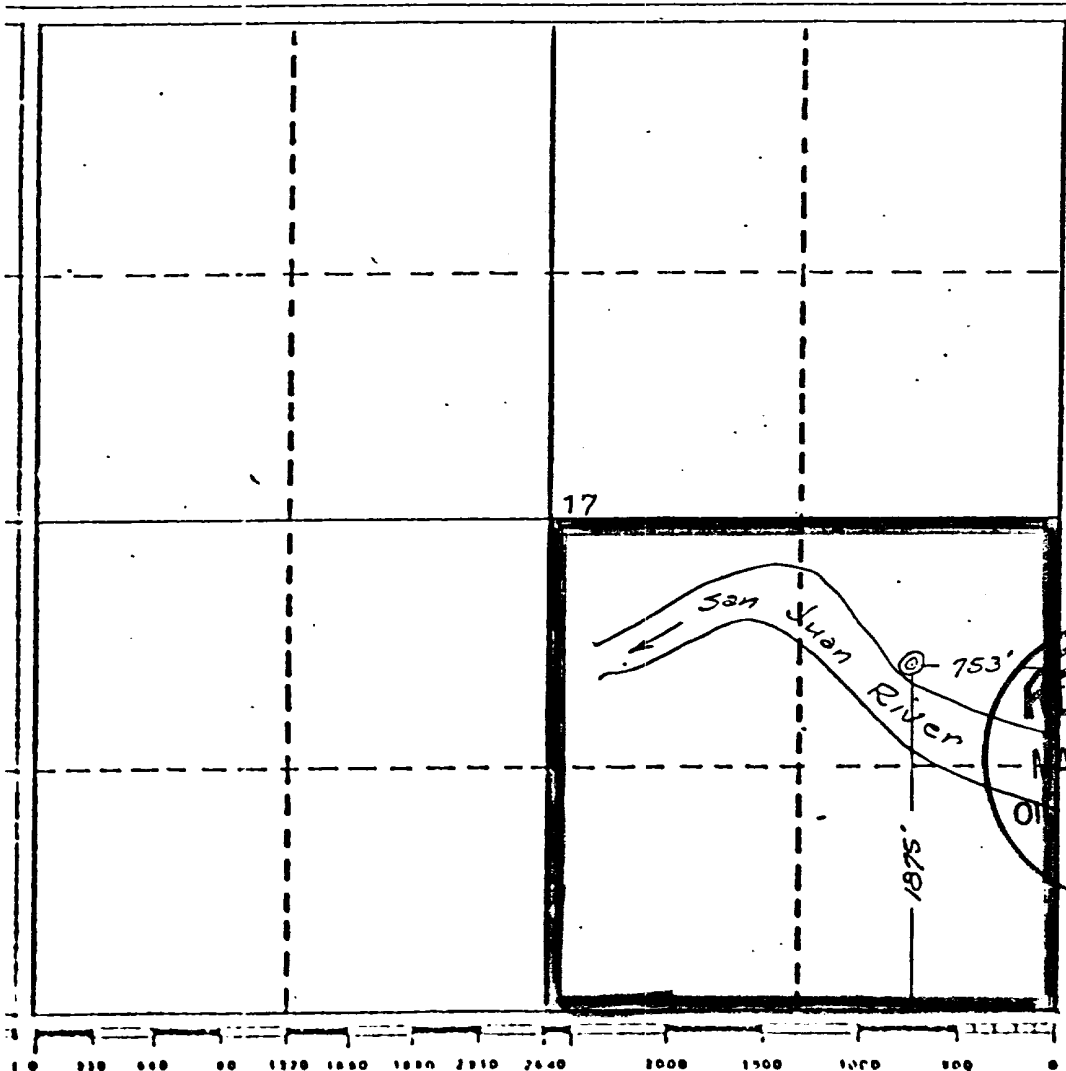
| | | | | |
|---|---|---|------------------------|--|
| Operator UNION TEXAS PETROLEUM CORP. | | Lease MADDOX | | Well No. 2 |
| Unit Letter I | Section 17 | Township 30 NORTH | Range 8 WEST | County SAN JUAN |
| Actual Postage Location of Well: 1875 feet from the SOUTH line and 753 feet from the EAST line | | | | |
| Ground Level Elev. 5677 | Producing Formation PICTURED CLIFFS | Pool BLANCO PICTURED CLIFFS est | | Dedicated Acreages 160 Acres |

1. Outline the acreage dedicated to the subject well by colored pencil or hocure 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. (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.

CW Clayton

Name
District Petroleum Engineer
Position
Union Texas Petroleum Corp.
Company
Date
May 7, 1980.

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

RECEIVED
MAY 12 1980
CON. COM.
DIST. 3
April 15, 1980

James P. Lease
James P. Lease
Registered Professional Engineer
and Oil Land Surveyor

Certificate No.
1463

Rim 7 34
INV 7 84

BLOOMFIELD
EAST III



Mapped, edited, and published by the
control by USGS and USC&GS
East half compiled in 1954 from 1:24,000
dated 1954. West half topography by photogrammetry
methods from aerial photographs taken and checked 1959.
Polyconic projection. 1927 North American datum.
63,000 foot grid based on New Mexico coordinate system,
east and central zones.
1000 meter Universal Transverse Mercator grid ticks,
zone 13, showing in blue.
Blue hatching indicates area to be submerged by Navajo
Reservoir at elevation 5570 feet.
Area covered by dashed light blue pattern is subject
to control of inundation to 5570 feet.

Union Texas Petroleum Corp
SE 1/4 Sec 17, T30N, R8W, N.M.P.M.
San Juan County, New Mexico
Ground Elev. 5677

UTM GRID AND 1959 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

THIS MAP COMPLETES
FOR SALE BY U. S. GEOLOGICAL SURVEY
A FOLDER DESCRIBING TOPOGRA