

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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 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 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

P O BOX 1468
MUNAHANS TEXAS 79756
PH 943-3234 OR 563-1040

Martin Water Laboratories, Inc.

709 W INDIANA
MIDLAND TEXAS 79701
PHONE 683-4521

RESULT OF WATER ANALYSES

TO: Mr. S. L. Munsell
P.O.Box 1800, Hobbs, NM

LABORATORY NO. 118327
SAMPLE RECEIVED 11-3-83
RESULTS REPORTED 11-7-83

COMPANY NPTM LEASE Navajo
FIELD OR POOL Tociro
SECTION BLOCK SURVEY COUNTY San Juan STATE NM
SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 Produced water - taken from Navajo #3 10-25-83

NO. 2

NO. 3

NO. 4

REMARKS: 6,414' - 6,419' - Penn. "D"

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0710			
pH When Sampled				
pH When Received	6.4			
Bicarbonate as HCO ₃	580			
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	24,000			
Calcium as Ca	8,240			
Magnesium as Mg	826			
Sodium and/or Potassium	30,026			
Sulfate as SO ₄	652			
Chloride as Cl	62,497			
Iron as Fe	15.6			
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	102,821			
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen, Winkler				
Hydrogen Sulfide	0.0			
Resistivity, ohms/m at 77° F.	0.093			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks please contact us if we can be of any assistance in interpretation of the above results

Form No. 3

cc: Mr. K. D. Jones, Farmington, NM
(Box 778)

By W. Reagan White, B. S.

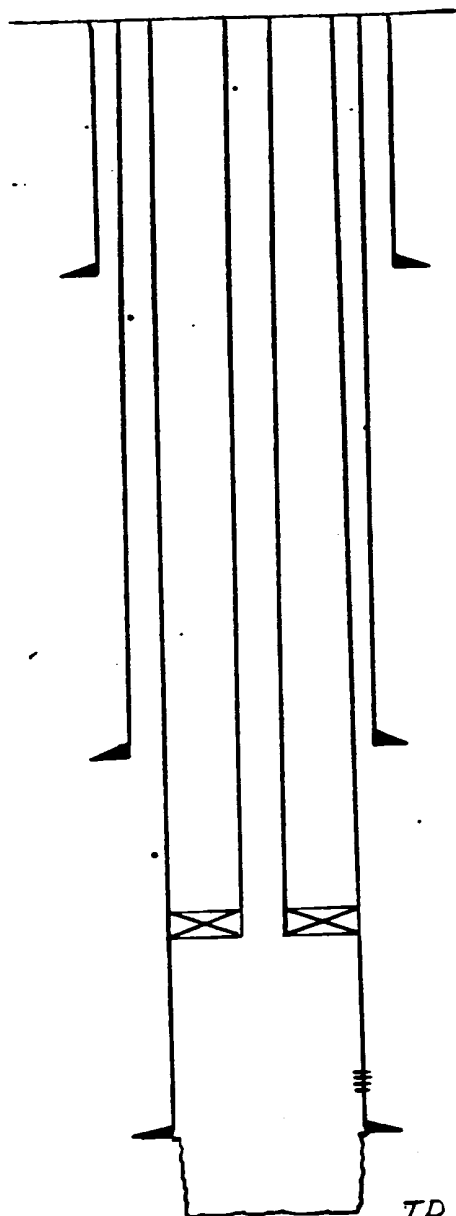
INJECTION WELL DATA SHEET

MOBIL PRODUCING TX. & N.M. INC.

NAVAJO

OPERATOR	LEASE			
1	660' FSL and 660' FWL	9	26N	18W
WELL NO.	FOOTAGE LOCATION	SECTION	TOWNSHIP	RANGE

Elevation data
DF 5764'
GL 5750'

SchematicTabular DataSurface Casing

Size 13-3/8 " Cemented with 150 sx.
TOC SURFACE feet determined by CIRCULATION
Hole size 17"

Intermediate Casing

Size 8-5/8 " Cemented with 360 sx.
Weight: 24 lbs/ft.
TOC Surface feet determined by Circulatoion
Hole size 10-5/8"

Long string

Size 5 1/2 " Cemented with 200 sx.
Weight: 14 & 15 lbs/ft
TOC 5495' feet determined by CMT BOND LOG
Hole size 7-7/8"
Total depth 6329'

Injection interval

6302 feet to 6329 feet
(perforated or open-hole, indicate which)
Open Hole and Perforated (4-3/4" OH)

Annulus will be filled w/2% KCL water treated
w/1% by volume packer fluid.

TD 6329'

Tubing size 2-7/8" 6.5 lb/ft J-55 lined with Plastic (Spincote SC-850) set in a
(material)
Baker "A-3" 45 B LOK-SET packer at ±6270 feet
(brand and model)
(or describe any other casing-tubing seal).

Other Data

- The well bore will be equipped with a leak detection device and monitoring measures to provide assurance that the disposal water goes into the permitted interval.
- Should this disposal well have to be shut in, the disposal water will be diverted to an offset operator in accordance with a water disposal contract.
- The depth of usable quality water with total dissolved solids of less than 10000 ppm is from the Dakota at $\approx$ 900'.