



TEEL, Inc.
333 East Main
Farmington
New Mexico
87401
505/327-3311



OIL-FIELD WATER ANALYSIS REPORT

REPORTED TO: John Staver
c/o Pohlmann & Assoc.
Room 200 Petroleum Plaza
3535 E. 30th Farmington, N.M. 87401

DATE: October 4, 1983
FURNISHED BY: M. Seelinger
COPIES TO:

LABORATORY No. 4-176

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Company John Staver		Sample No.		Date Sampled	
Field Table Mesa	Legal Description Sec 3.T.27N., R1700	County or Parish San Juan		State N.M.	
Lease or Unit I-89-Ind-57	Well	Depth	Formation Dakota	Water, B/D 800-1000	
Type of Water (Produced, Supply, etc.) Produced		Sampling Point Disposal Tank		Sampled By Seelinger	

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	812	35
Calcium, Ca	9.6	0.5
Magnesium, Mg	2.3	0.2
Barium, Ba		
Potassium	3	0.08

ANIONS

Chloride, Cl	450	13
Sulfate, SO ₄	492	10
Carbonate, CO ₃	45	2
Bicarbonate, HCO ₃	533	9

Total Dissolved Solids 2948

Iron, Fe (total) _____
Sulfide, as H₂S _____

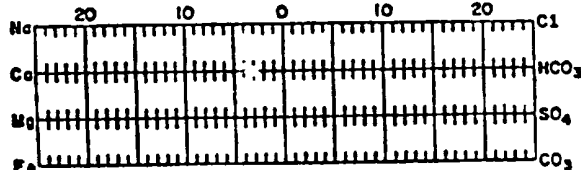
Fluorides 1.8 mg/L
Nitrates 2.75 mg/L

OTHER PROPERTIES

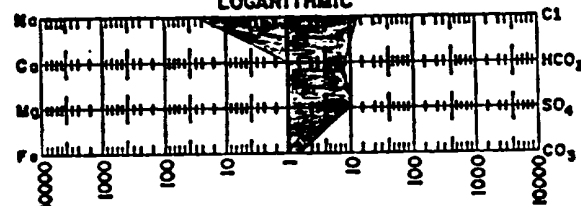
pH	8.98
Specific Gravity, 60/60 F.	1.0046
Resistivity (ohm-meters) 75 F.	0.30

WATER PATTERNS — me/l

STANDARD



LOGARITHMIC



Date Received 9/28/83	Preserved	Date Analyzed 9/28/83-9/30/83	Analyzed By NO & SL
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REMARKS & RECOMMENDATIONS:

Molybdenum* < 0.005 ppm

Selenium* 3.15 ppm

0.05 State Standard

* Tests performed by AnaCor Laboratories, Albuquerque, New Mexico.

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TEEL, Inc.

By Stan Swack

RECEIVED
OCT 12 1983
CON. DIV.
DIST. 3



Pohlmann and Associates

FARMINGTON, NEW MEXICO

3535 E. 30th Street
200 PETROLEUM PLAZA BLDG.
FARMINGTON, NEW MEXICO 87401
PHONE (505) 325-4608

HENRY F. (HANK) POHLMANN
M.L. (MOE) SEELINGER

October 10, 1983

Navajo Tribe
Attention: Arlene Luther
Environmental Protection Commission
P. O. Box 308
Window Rock, Arizona 86515

Bureau of Land Management
Suite 206-Petroleum Plaza Building
3535 E. 30th Street
Farmington, New Mexico 87401

✓ New Mexico Oil & Gas Commission
1000 Rio Brazo Road
Aztec, New Mexico 87410

Gentlemen:

We are requesting a beneficial use permit for disposing of produced water from the Table Mesa Dakota Field in San Juan County, New Mexico.

The field presently has three producible Dakota wells located in Sec. 3, T.27N., R.17W., N.M.P.M. Water production averages about 800-1,000 barrels per day with an oil-cut of about one percent.

Our present water disposal wells have become overpressured and problems with the injection equipment foreshadow early abandoning without relief of a beneficial use permit.

The attached water analysis performed by an independent testing lab confirms the potable water classification criteria. This same water was for years allowed to drain on the surface and provides a badly needed resource for pasture grass.

To insure that no oil is carried over into the drainage system, there is already in place a large separator, a 210 barrel constant level skim tank, a 210 barrel tank and a two-stage surface pit to be cleaned and restored for your inspection.

Your earliest consideration on this request would be appreciated so that plans can be made prior to freezing weather.

Very truly yours,

M. Seelinger
Pohlmann & Associates, Agents for
John Staver

Called Mrs 10-17-83

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OCT 12 1983

MS/oh
Attachments OIL CON. DIV.