

MARTIN YATES, III
1912 - 1985
FRANK W. YATES
1936 - 1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 748-1471

S. P. YATES
CHAIRMAN OF THE BOARD
JOHN A. YATES
PRESIDENT
PEYTON YATES
EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY
DENNIS G. KINSEY
TREASURER

February 15, 1988

New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Attention: Mr. William J. LeMay

Re: Osage No. 1
21-T19S-R25E
Eddy County, New Mexico

Gentlemen:

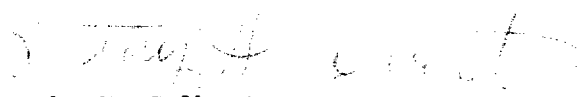
Please find enclosed three copies of Application for Authorization to Inject covering the captioned well. Also enclosed is affidavit of mailing and copies of the certified return receipts covering notification of same to surface owner and offset operators.

We respectfully request Administrative Approval. Please advise should you require anything else or if you have any questions.

Thank you.

Very truly yours,

YATES PETROLEUM CORPORATION


Kathy H. Colbert
Landman

KHC/mw

Enclosures

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery
↑(Extra charge)↑ ↑(Extra charge)↑

3. Article Addressed to: Carl Ross P. O. Box 845 Artesia, New Mexico 88210	4. Article Number <p style="text-align: center;">p 580 493 599</p> Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Addressee X <i>Carl Ross</i>	8. Addressee's Address (ONLY if requested and fee paid) Osage #1
6. Signature — Agent X	
7. Date of Delivery <i>2/3/88</i>	

PS Form 3811, Mar. 1987 ★ U.S.G.P.O. 1987-178-268 **DOMESTIC RETURN RECEIPT**

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

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↑(Extra charge)↑ ↑(Extra charge)↑

3. Article Addressed to: Champlin Exploration Inc. 24 Smith Road, Ste. 280 Midland, TX 79701	4. Article Number <p style="text-align: center;">p 580 493 595</p> Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Addressee X	8. Addressee's Address (ONLY if requested and fee paid) Osage #1
6. Signature — Agent <i>Amel K. Hartman</i>	
7. Date of Delivery <i>2-3-88</i>	

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↑(Extra charge)↑ ↑(Extra charge)↑

3. Article Addressed to: Bravo Energy P. O. Box 2160 Hobbs, NM 88241 <i>C. E. Coogan</i>	4. Article Number <p style="text-align: center;">p 580 493 594</p> Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Addressee X	8. Addressee's Address (ONLY if requested and fee paid) Osage #1
6. Signature — Agent X	
7. Date of Delivery <i>2-3-88</i>	

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↑(Extra charge)↑ ↑(Extra charge)↑

3. Article Addressed to: Anadarko Petroleum Corp. P. O. Box 2497 Midland, Texas 79701	4. Article Number <p style="text-align: center;">p 580 493 598</p> Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Addressee X	8. Addressee's Address (ONLY if requested and fee paid) Osage #1
6. Signature — Agent <i>[Signature]</i>	
7. Date of Delivery <p style="text-align: center;">2-4-88</p>	

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↑(Extra charge)↑ ↑(Extra charge)↑

3. Article Addressed to: BHP 1300 One Midland, National Center 500 West Texas Midland, TX 79701 <i>[Signature]</i>	4. Article Number <p style="text-align: center;">p 580 493 597</p> Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Addressee X	8. Addressee's Address (ONLY if requested and fee paid) Osage #1
6. Signature — Agent X	
7. Date of Delivery <p style="text-align: center;">2-5-88</p>	

PS Form 3811, Mar. 1987 ★ U.S.G.P.O. 1987-178-268 DOMESTIC RETURN RECEIPT

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↑(Extra charge)↑ ↑(Extra charge)↑

3. Article Addressed to: American National P. O. Box 2960 Midland, TX 79702	4. Article Number <p style="text-align: center;">p 580 493 596</p> Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Addressee X	8. Addressee's Address (ONLY if requested and fee paid) Osage #1
6. Signature — Agent <i>[Signature]</i>	
7. Date of Delivery <p style="text-align: center;">02/08/88</p>	

PS Form 3811, Mar. 1987 ★ U.S.G.P.O. 1987-178-268 DOMESTIC RETURN RECEIPT



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 748-1471

S. P. YATES
PRESIDENT
JOHN A. YATES
VICE PRESIDENT
B. W. HARPER
SEC. - TREAS.

March 3, 1988

State of New Mexico
Energy & Minerals Dept.
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87501

Attn: Mr. David Catanach

Re: Application for SWD
YPC Osage #1
Dagger Draw
Upper Penn

Dear Mr. Catanach:

I am forwarding the water analysis you requested as per our
phone conversation this morning.

Sincerely,

Eddie Mahfood
Senior Engineer

EM/gb

SAMPLE NO. 2**THE WESTERN COMPANY**

Service Laboratory
Midland, Texas
Phone 683-2781 Day
Phone 683-4162 Night

Service Laboratory
Oklahoma City, Oklahoma
Phone 840-2771 Day
Phone 751-5470 Night

WATER ANALYSIS

County Eddy Date Sampled 2/3/88
Field DAgger DRAW Date Received 2/4/88
Operator YATES Submitted By _____
Well Roden GD #2 Unit K Sec 25 195242 Worked By Western Nobles
Depth 7794 Other Description _____
Formation Canyon dolomite

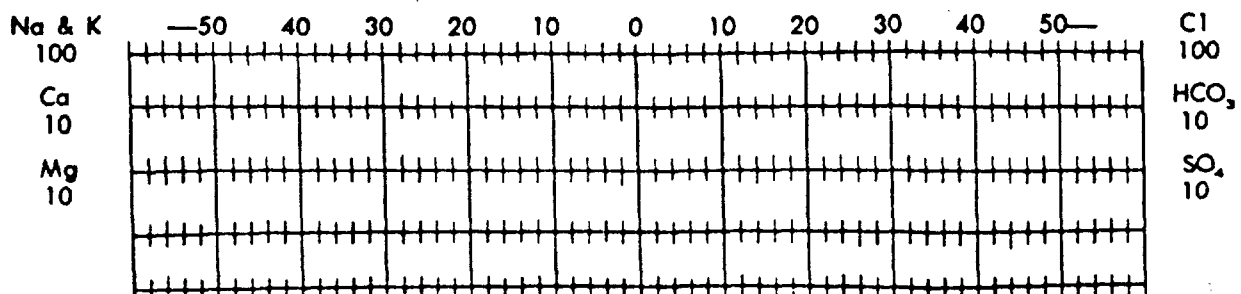
CHEMICAL DETERMINATIONS as parts per million

Density 1.02 @ 71° pH 6.5
Iron NONE Hydrogen Sulfide STR trace
Sodium and Potassium 4211 Bicarbonate 1136
Calcium 2039 Sulfate 2098
Magnesium 375 Phosphate _____
Chloride 8627 as Sodium Chloride _____

TOTAL ppm _____

Resistivity .48 @ 71° ohm-metersRemarks: Total solids = 18,286 ppm

for Stiff type plot (in meq./l.)



Per _____



DOWELL DIVISION OF THE DO (CHEMICAL COMPANY

FIELD LABORATORY REPORT

WATER ANALYSIS

TO: Yates Petroleum Company
309 Carper Bldg.
Artesia, N.M.

LABORATORY LOCATION	REPORT NUMBER
Hobbs, N.M.	
COMPANY	WELL
Yates Pet. Co.	Foster AN #1
POOL	LOCATION
Wildcat	D-1-20s-24E
COUNTY	STATE
Eddy	N.M.
FORMATION	DEPTH
Wolfcamp	5765 - 5780
SUBMITTED BY	TESTS DESIRED
Arrow Testers	W/A

DATE SAMPLE SUBMITTED

3-9-65

SAMPLE SOURCE

Top of Tool - Test #1

	PPM	EPM		PPM	EPM
CALCIUM	820	41	CHLORIDE	6900	195
MAGNESIUM	120	10	SULFATE	1500	30
SODIUM	4000	174	BICARBONATE	0	0
IRON	0	0	CARBONATE	3	N11
HYDROGEN SULFIDE	Present		HYDROXIDE	0	0

SPECIFIC GRAVITY

1.009

AT

78

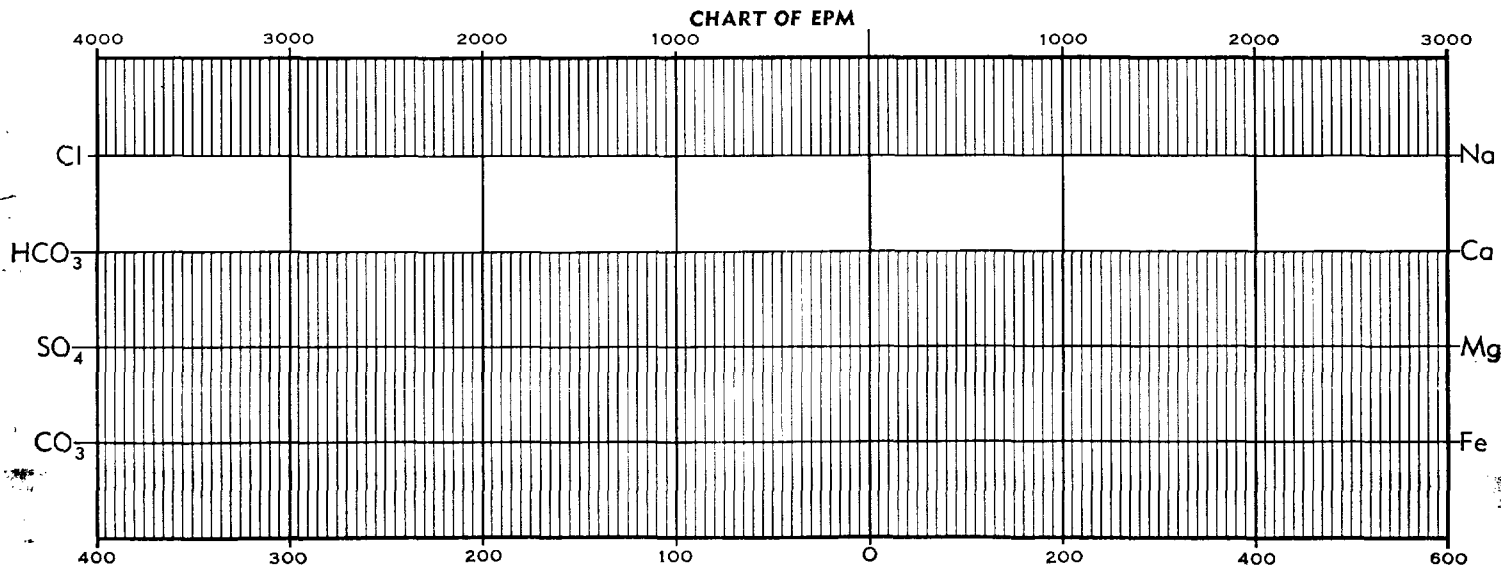
°F

pH

8.6

CaCl₂/MgCl₂

% SALT SATURATION



REMARKS:

5% Drilling Mud Solids

Total solids in filtrate 13343 ppm

P.L. Crenshaw

3-10-65

CHEMIST

DATE