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



105 SOUTH FOURTH STREET

ARTESIA, NEW MEXICO 88210

TELEPHONE (505) 748-1471

February 15, 1988

FED 16 POT 1

S. P. YATES CHAIRMAN OF THE BOARD

JOHN A. YATES

PRESIDENT

PEYTON YATES

EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY

DENNIS G. KINSEY

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

postmester for fees and check box(es) for additional servi- 1. Show to whom delivered, date, and addressee's add †(Extra charge)†			
3. Article Addressed to:	4. Article Number		
Carl Ross	p 580 493 599		
P. O. Box 845	Type of Service:		
Artesia, New Mexico 88210	Registered Insured		
Alcesia, New Mexico 00210	☐ COD ☐ COD		
	LI Express Mail		
	Always obtain signature of addressee		
	or agent and DATE DELIVERED.		
5. Signature – Addressee	8. Addressee's Address (ONLY if requested and fee paid)		
x Carl Trus	requested and fee paids.		
6. Signature — Agent	Osage #1		
X			
7. Date of Delivery			
S Form 3811, Mar. 1987 * U.S.G.P.O. 1987-178-28	8 DOMESTIC RETURN RECEIPT		
CENDER: Complete hand 2 when addition			
SENDER: Complete items 1 and 2 when addition and 4.			
Put your address in the "RETURN TO" Space on the card from being returned to you. The return receipt	reverse side. Failure to do this will prevent this		
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↑ (Extra charge)↑	†(Extra charge)†		
3. Article Addressed to:	4. Article Number		
Champlin Exploration Inc.	p 580 493 595		
24 Smith Road, Ste. 280	Type of Service:		
Midland, TX 79701	Registered Insured		
	Express Mail		
	Always obtain signature of addressee or agent and DATE DELIVERED.		
5. Signature Addressee	8. Addressee's Address (ONLY if		
lv .	requested and fee paid)		
6. Signature – Agent	Osage #1		
Se Care of Section 19			
1 Description			
7. Date of Delivery Z			
2014 1/ 1005	<u> </u>		
PS Form 3811, Mar. 1987 * U.S.G.P.O. 1987-178-2	68 DOMESTIC RETURN RECEIP		
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1. ☐ Show to whom delivered, date, and addressee's ad				
3. Article Addressed to:	↑(Extra charge)↑ 4. Article Number			
	p 580 493 598			
Anadarko Petroleum Corp.	Type of Service:			
P. O. Box 2497	Registered Insured			
Midland, Texas 79701	☐ COD			
	L Express Mail			
	Always obtain signature of addressee or agent and <u>DATE DELIVERED</u> .			
5. Signature – Addressee	8. Addressee's Address (ONLY if			
X	requested and fee paid)			
6. Signature – Agent	Osage #1			
Drugon Panny	<u> </u>			
7. Date of Delivery				
2-4-88				
S Form 3811, Mar. 1987 * U.S.G.P.O. 1987-178-268	DOMESTIC RETURN REC			
SENDER: Complete items 1 and 2 when additional	services are desired, and complete item			
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↑(Extra charge)↑	†(Extra charge)†			
3. Article Addressed to:	4. Article Number p 580 493 597			
ВНР				
1300 One Midland, National Center	Type of Service: Registered Insured			
500 West Texas				
Midland, TX 79701	☐ Express Mail			
	Always obtain signature of addressee			
	or agent and DATE DELIVERED.			
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5. Signature – Addressee	8. Addressee's Address (ONLY if			
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X 6. Signature — Agent X 7. Date of Delivery	8. Addressee's Address (ONLY if requested and fee paid) Osage #1			
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DOMESTIC RETURN RECEIPT



S. P. YATES
PRESIDENT

JOHN A. YATES
VICE PRESIDENT

B. W. HARPER
SEC. - TREAS.

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

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 U Senior Engineer

EM/gb

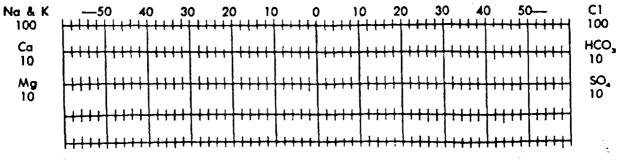
SAMPLE NO.

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 DA66212 DAAW	Date Received 2/4/26
Operator 4/2723	Submitted By
Well Rollan 6) 2 Unit K See 25 19524	Worked By Mester Holliss.
Depth 7794	Other Description
Formation Canyon dolomite	
CHEMICAL DETERMINA	TIONS as parts per million
	pH6.5
Iron	Hydrogen Sulfide 572 True
Sodium and Potassium	
Calcium	Sulfate 2098
Magnesium	Phosphate
Chloride	as Sodium Chloride
TOTAL ppm	
Resistivity -486710 ohm-meters	
Remarks: Total Solids = 18,286 ppm	
for Stiff type plot (in meq./1.)	
Na & K —50 40 30 20 10	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \



Per ____



WELL DIVISION OF THE DO CHEMICAL COMPANY

FIELD LABORATORY REPORT

WATER ANALYSIS

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

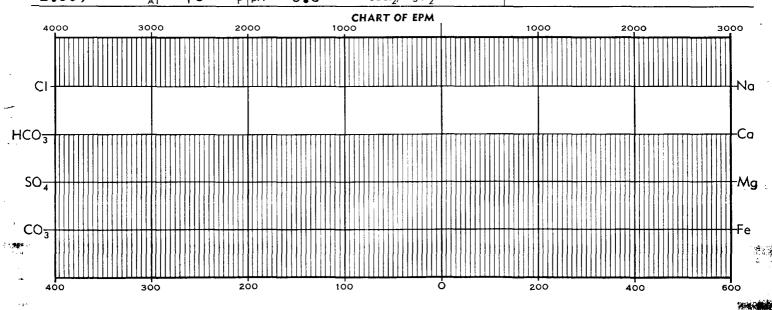
LABORATORY LOCATION	REPORT NUMBER
Hobbs, N.M.	
COMPANY	WELL
Yates Pet. Co.	Foster AN #1
POOL	LOCATION
Wildcat	9-1-205-24€
COUNTY	STATE
Eddy	N.M.

3-9-65

FORMATION 5765 - 5780 Wolfcamp TESTS DESIRED SUBMITTED BY

SAMPLE SOURCE

Top of Tool - Test #1			Arrow Testers		M/A	
	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	Nil	
HYDROGEN SULFIDE	Present		HYDROXIDE	0	0	
1.009	AT 78 .F	рн 8.6	CaCl ₂ /MgCl ₂	% SALT SATURA	TION	



REMARKS:

5% Drilling Mud Solids

Total solves in filtrate = 13343 ppm