

14 Gulf 12-1-71 0204868 U.S.	13 Gulf 12-1-71 0204868 U.S.	12 Mobile 12-1-71 0204868 U.S.	11 Mobile 12-1-71 0204868 U.S.	10 Mobile 12-1-71 0204868 U.S.	9 Mobile 12-1-71 0204868 U.S.	8 Mobile 12-1-71 0204868 U.S.	7 Mobile 12-1-71 0204868 U.S.	6 Mobile 12-1-71 0204868 U.S.	5 Mobile 12-1-71 0204868 U.S.	4 Mobile 12-1-71 0204868 U.S.	3 Mobile 12-1-71 0204868 U.S.	2 Mobile 12-1-71 0204868 U.S.	1 Mobile 12-1-71 0204868 U.S.
23 Pon Amer. 12-1-71 0204868 U.S.	24 Pon Amer. 12-1-71 0204868 U.S.	25 Pon Amer. 12-1-71 0204868 U.S.	26 Pon Amer. 12-1-71 0204868 U.S.	27 Pon Amer. 12-1-71 0204868 U.S.	28 Pon Amer. 12-1-71 0204868 U.S.	29 Pon Amer. 12-1-71 0204868 U.S.	30 Pon Amer. 12-1-71 0204868 U.S.	31 Pon Amer. 12-1-71 0204868 U.S.	32 Pon Amer. 12-1-71 0204868 U.S.	33 Pon Amer. 12-1-71 0204868 U.S.	34 Pon Amer. 12-1-71 0204868 U.S.	35 Pon Amer. 12-1-71 0204868 U.S.	36 Pon Amer. 12-1-71 0204868 U.S.

Hand-drawn map of a property with a grid overlay. The map shows a rectangular area divided into four quadrants by a vertical line and a horizontal line. The horizontal line is labeled "HAWAIIAN ST" and the vertical line is labeled "SUP STATE". The top-left quadrant contains a "Water P/T" and a "Tank". The top-right quadrant contains a "Water P/T" and a "Tank". The bottom-left quadrant contains a "Water P/T" and a "Tank". The bottom-right quadrant contains a "Water P/T" and a "Tank". A "Water Well" is located on the right side of the map. A "9" is written in the bottom-right quadrant. The map is overlaid on a grid with coordinates ranging from 0 to 2640 on the horizontal axis and 0 to 330 on the vertical axis.

60

Tank Battery Descriptions

Exhibit #3

Richardson and Mass well No. 1

Tank battery - one high 500
water pit - 60 ft. x 60 ft. 5 ft. deep
well produces 4 bbls. oil,
13 bbls. water.

Superior State Lease

Tank battery - two high 500
water pit - 40 ft. x 50 ft. 5 ft. deep.
No. 1 produces 3 bbls. oil, 13 bbls. water.
No. 2 produces 3 bbls. oil, 13 bbls. water.

Managan State No. 1

Tank battery - one low 250 tank
water pit - 20 ft. x 30 ft. 4 ft. deep
well produces 4 bbls oil
15 bbls. water

Water well - S E C 9

total depth unknown, reported by ranchman to be 300 ft.

water depth reported by owner to be 332 ft.

S E C 9

T 12
W 12

REPORT MADE OIL CONSERVATION COMMISSION Santa Fe, New Mexico Exhibit No. 3 Case No. 4026
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Tank Battery Descriptions

Exhibit #3

Richardson and Bass well No. 1

Tank battery - one high 500
water pit - 60 ft. x 60 ft. 5 ft. deep
well produces 4 bbls. oil,
13 bbls. water.

Superior State Lease

Tank battery - two high 500
water pit - 40 ft. x 50 ft. 5 ft. deep.
No. 1 produces 3 bbls. oil, 13 bbls. water.
No. 2 produces 3 bbls. oil, 13 bbls. water.

Managan State No. 1

Tank battery - one low 250 tank
water pit - 20 ft. x 30 ft. 4 ft. deep
well produces 4 bbls oil
15 bbls. water

Water well - S 22 9

Total depth unknown, reported by ranch man to be 399 ft.

Water depth reported by user to be 332 ft.

S 22 9

T 12
W 25

REPORT ON OIL CONSERVATION OPERATIONS ON State Fe, New Mexico Exhibit No. 3 Case No. 4026

ILLEGIBLE

SAMPLE NO. _____

THE WESTERN COMPANY
Service Laboratory

Exhibit #4

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

Exhibit No. 4

Case No. 9026

WATER ANALYSIS

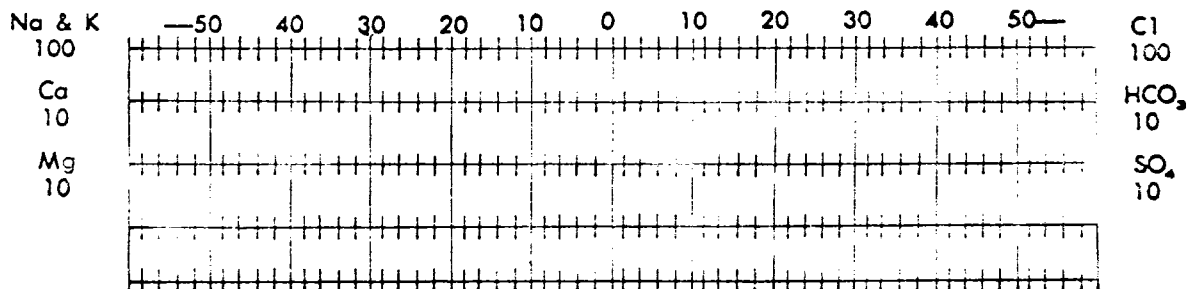
Operator		Date Sampled	
Well	Water Well	Date Received	2-5-69
Field	NW $\frac{1}{4}$ of NW $\frac{1}{4}$ of Sec. 9	Submitted by	Fred Pool Drlg. Co.
Formation		Worked by	Jones
Depth		Other Description	Sampled from water trough
County	Eddy, N. M.		

CHEMICAL DETERMINATIONS

Density	1.004 @ 72° F.	pH	7.7
Iron	Very faint trace	Hydrogen Sulfide	None
Sodium and Potassium	310 ppm	Bicarbonate	122 ppm
Calcium	600 ppm	Sulfate	2160 ppm
Magnesium	131 ppm	Phosphate	ppm
Chloride	260 ppm	as Sodium Chloride	ppm

Remarks:

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



Per _____

SAMPLE NO. _____

THE WESTERN COMPANY
Service Laboratory

Exhibit #5

BEFORE THE
CIVIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Exhibit No. 5
Case No. 4026

WATER ANALYSIS

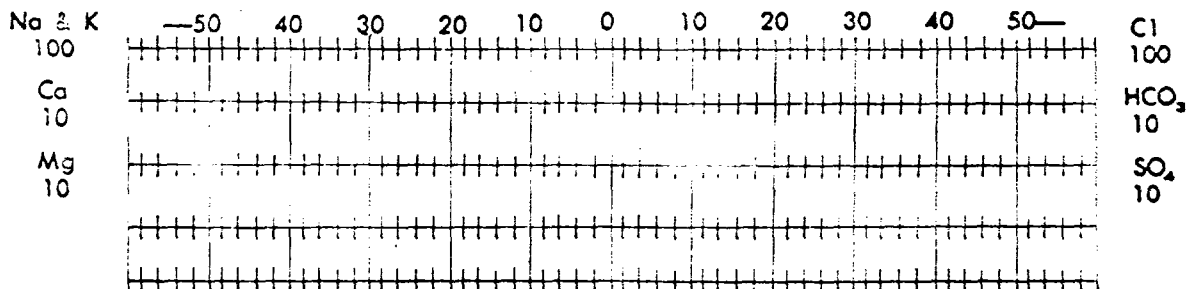
Operator	Fred Pool Drlg. Co.	Date Sampled	2-5-69
Well	Perry R. Bass #1	Date Received	2-5-69
Field	Corral Canyon	Submitted by	Fred Pool Drlg. Co.
Formation	Delaware	Worked by	Jones
Depth		Other Description	
County	Eddy, N. M.		

CHEMICAL DETERMINATIONS

Density	<u>1.100 @ 76° F.</u>	pH	<u>6.9</u>
Iron	<u>None</u>	Hydrogen Sulfide	<u>None</u>
Sodium and Potassium	<u>48,500</u> ppm	Bicarbonate	<u>159</u> ppm
Calcium	<u>7,600</u> ppm	Sulfate	<u>240</u> ppm
Magnesium	<u>1,800</u> ppm	Phosphate	<u> </u> ppm
Chloride	<u>92,000</u> ppm	as Sodium Chloride	<u> </u> ppm

Remarks:

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



SAMPLE NO. _____

THE WESTERN COMPANY
Service Laboratory

Exhibit #6

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Exhibit No. 6
Case No. 4026

WATER ANALYSIS

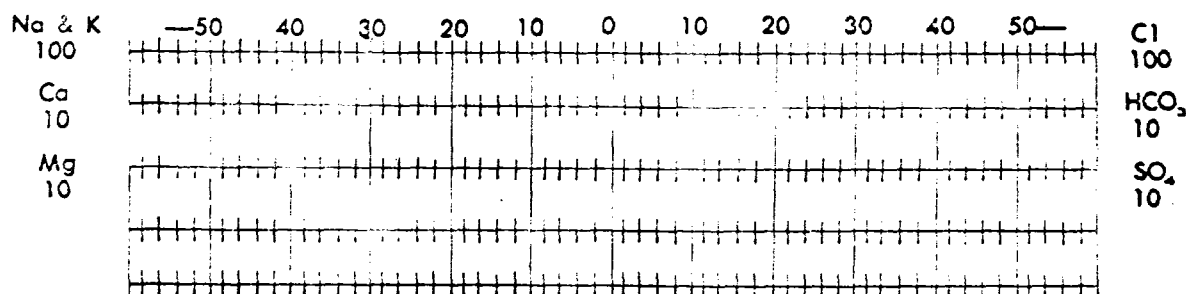
Operator	Fred Pool Drlg. Co.	Date Sampled	2-5-69
Well	Hanagan State	Date Received	2-5-69
Field	Corral Canyon	Submitted by	Fred Pool Drlg. Co.
Formation	Delaware	Worked by	Jones
Depth		Other Description	
County	Eddy, N. M.		

CHEMICAL DETERMINATIONS

Density	1.102 @ 76° F.	pH	7.1
Iron	Faint trace	Hydrogen Sulfide	None
Sodium and Potassium	50,300 ppm	Bicarbonate	146 ppm
Calcium	8,000 ppm	Sulfate	160 ppm
Magnesium	1,431 ppm	Phosphate	ppm
Chloride	95,600 ppm	as Sodium Chloride	ppm

Remarks:

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



Per _____

SAMPLE NO. _____

THE WESTERN COMPANY
Service Laboratory

Exhibit #7

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Exhibit No. 7
Case No. 4026

WATER ANALYSIS

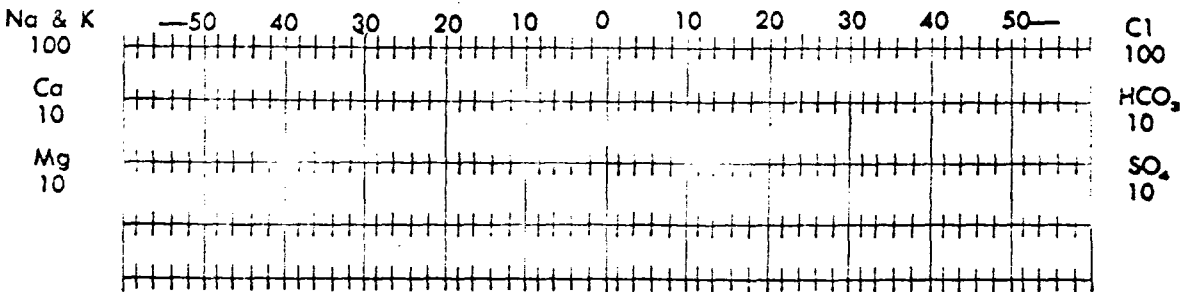
Operator	Fred Pool Drlg. Co.	Date Sampled	2-5-69
Well	Superior State #1 and #2	Date Received	2-5-69
Field	Corral Canyon	Submitted by	Fred Pool Drlg. Co.
Formation	Delaware	Worked by	Jones
Depth		Other Description	
County	Eddy, N. M.		

CHEMICAL DETERMINATIONS

Density	1.100 @ 77° F.	pH	6.8
Iron	Faint trace	Hydrogen Sulfide	None
Sodium and Potassium	48,600 ppm	Bicarbonate	122 ppm
Calcium	7,220 ppm	Sulfate	70 ppm
Magnesium	1,505 ppm	Phosphate	ppm
Chloride	92,800 ppm	as Sodium Chloride	ppm

Remarks:

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



NEW MEXICO SCHOOL OF MINES
STATE BUREAU OF MINES AND MINERAL RESOURCES
SOCORRO, NEW MEXICO

Exhibit #8

NEW MEXICO WELL LOG DIVISION

Casing Record:

Eddy County
Sun Oil Company
J. Edgar Pew Well No. 1
Located on Oil and Gas Prospecting
Permit Las Cruces 029853
SW $\frac{1}{4}$ Sec. 21-T. 25S-R. 30E.
Elevation: 3150'
Commenced:
Completed:

Formation	Bottom	Formation	Bottom
Gray sand	20	Red clay	748
Gypsum and sand	30	Red shale	805
Red clay	50	Gravel	815
Red sand	90	Salt	825
Red clay	100	Red shale	846
Red sand	130	Gravel	855
Red clay	140	Red shale	865
Pack sand	150	Red shale - gravel	888
Red sand	160	Lime and gypsum	900
Red clay	170	Soft red shale	925
Sand	180	Gypsum gravel	945
Hard sand	190	Gypsum	965
Sand - Hole caving at 285'	295	Gray lime	975
Red clay	306	Hard white gypsum	995
Sand	318	Hard gypsum	1010
Red mud	335	Soft gypsum - 1 BWPH	1035
Yellow clay	340	Soft white clay, gradually	
Red clay	350	turning to dark	1055
Light clay	360	Hard gypsum	1061
Soft sand	370	Hard gypsum	1072
Red clay	380	Hard gypsum	1078
Gray shale	400	Pipe on bottom	1080
Blue gumbo	415	Gypsum	1082
Blue mud	430	Black gumbo	1084
Red bed	440	Blue clay	1087
Blue shale	450	Red clay and gypsum	1098
Soft brown shale, caving	460	Red clay	1100
Shale	470	Red clay and gypsum	1110
Sandy lime	478	Soft white gypsum	1120
Blue shale	488	Light blue shale	1172
Lime	510	Streaks red and blue shale	1180
Soft red shale	518	Red shale	1190
Red clay	520	Gypsum	1220
Red shale - Hole caving	535	Hard gypsum	1230
Blue shale	545	Gypsum	1240
Sand	585	Pink shale	1245
Red bed	595	Rock salt	1285
Red sand	605	Salt	1287
Clay	615	Hard white gypsum	1295
Red clay	630	Gypsum and salt	1300
Sticky clay	645	Gypsum	1305

BEFORE THE
OIL CONSERVATION COMMISSION

State of New Mexico

Exhibit No. *8*

File No. *4026*

Exhibit #9

FRED POOL DRILLING COMPANY

T and P State #1

Havagan State #1

0 - 5	Surface
5 - 15	Caliche
15 - 50	Sand
50 - 125	Sand and Shale
125 - 230	Sand and Shale
230 - 265	Shale
265 - 275	Hard Sand
275 - 300	Shale
300 - 315	Red Shale
315 - 340	Gray Shale
340 - 375	Red and Blue Shale (Hole caving)
375 - 415	Gray Shale
415 - 435	Blue Shale
435 - 455	Red Shale
455 - 459	Red Shale
459 - 475	Anhydrite
475 - 485	Red and Blue Shale
485 - 540	Blue Shale
540 - 560	Blue Shale and Gypsum
560 - 590	Blue Shale
590 - 600	Blue Shale and Gypsum
600 - 630	Blue Shale and Red Shale
630 - 665	Blue Shale
665 - 675	Lime and Anhydrite

BUREAU OF	
OIL CONSERVATION COMMISSION	
Santa Fe, New Mexico	
Exhibit No.	9
Case No.	4026