

13 MAY 1968

BEFORE THE OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF )  
TEXAS PACIFIC OIL COMPANY FOR PER- )  
MISSION TO DISPOSE OF PRODUCED SALT )  
WATER INTO THE SEVEN RIVERS, QUEEN )  
FORMATIONS THROUGH THE OPEN HOLE )  
INTERVAL FROM APPROXIMATELY 3148 )  
FEET TO 3450 FEET IN ITS MCKINNEY )  
WELL NO. 1, LOCATED IN UNIT "A" OF )  
SECTION 36, TOWNSHIP 24 SOUTH, )  
RANGE 36 EAST, LANGLEY MATTIX POOL, )  
LEA COUNTY, NEW MEXICO. )

No. 3976

APPLICATION

COMES NOW Texas Pacific Oil Company, a division of Joseph E. Seagram & Sons, Inc., by its Attorney, John F. Russell, and states:

1. Applicant proposes to commence the disposal of salt water produced from the Tansil, Yates and Seven Rivers Formations by injection into the Seven Rivers and Queen Formations through open hole interval from approximately 3148 feet to <sup>3200</sup> ~~3450~~ feet in its McKinney Well N . 1, located in Unit "A" of Section 36, Township 24 South, Range 36 East, Langlie Mattix Pool, Lea County, New Mexico.

2. The water being disposed of is not suitable for domestic or agricultural purposes and the disposal of said water, as proposed, will not impair production of oil, gas or fresh water from the reservoir nor will it impair correlative rights.

3. Applicant attaches hereto as Exhibit "1" a plat showing the location of the proposed injection well and all wells within two miles of said proposed injection well and the names of the lessees.

4. Applicant attaches hereto as Exhibit "2" a diagrammatic

EXHIBIT "A"

DOCKET  
11-21-68  
BBS

sketch showing the manner of completing the proposed injection well.

5. Applicant attaches hereto as Exhibit "3" a graph showing the production history of the aforesaid well.

6. Applicant will present at the time of the hearing the well log of the proposed injection well.

WHEREFORE, Applicant requests that the Commission set this matter down for hearing before its Examiner, publish notice as required by law and, after hearing, issue its order authorizing the disposal of salt water as aforesaid.

Respectfully submitted,

TEXAS PACIFIC OIL COMPANY,  
A division of  
Joseph E. Seagram & Sons, Inc.

Applicant's Attorney

By John F. Russell  
John F. Russell  
P. O. Drawer 640  
Roswell, New Mexico 88201

DATED:

10-3/4" Csg. @ 298' w/200 sx.  
Cement circulated to surface

Top of cement @ 2085'

Packer set @ 3130'

7" Csg. @ 3148' w/500 sx.

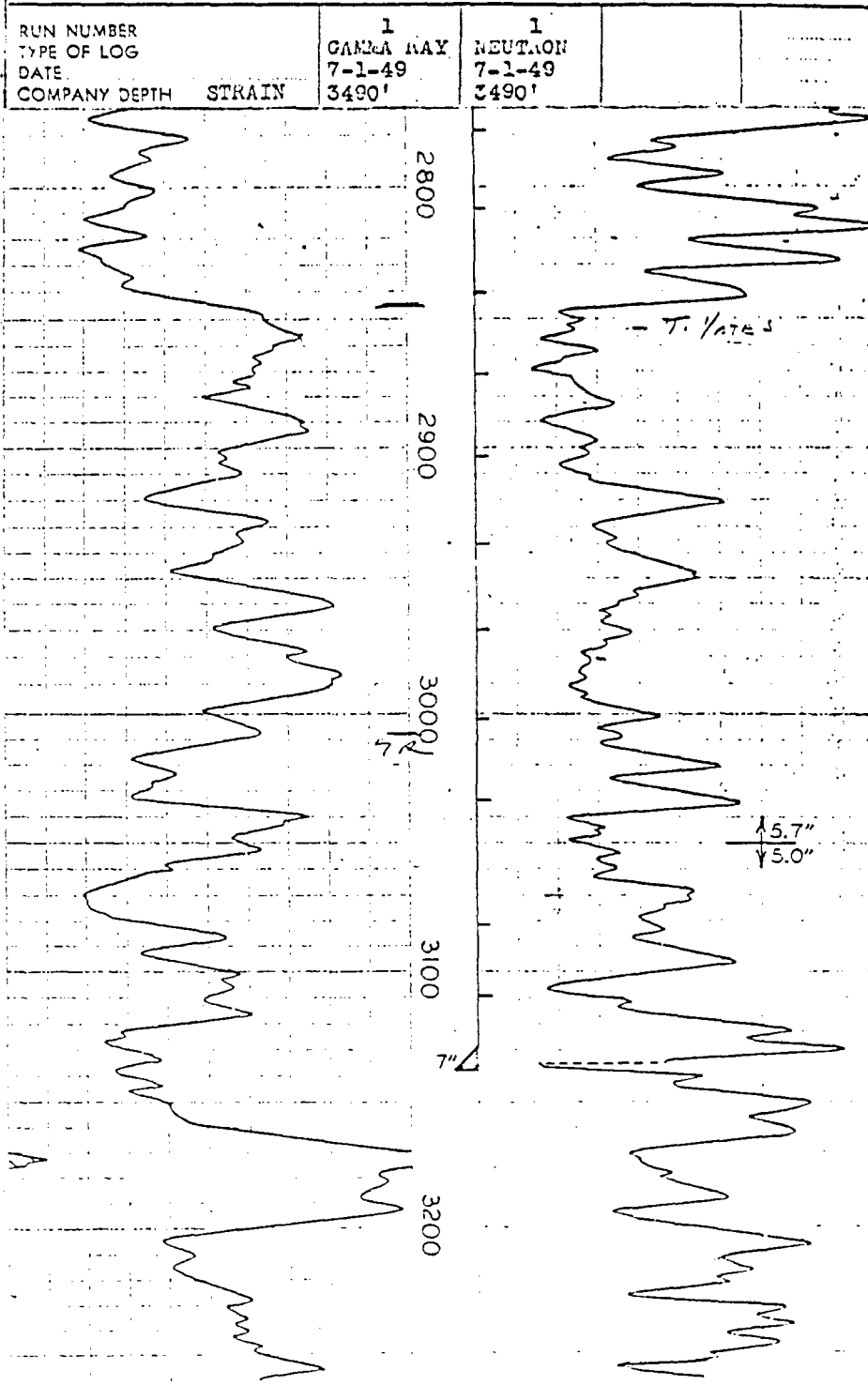
TD: 3490'  
PBTD: 3210'

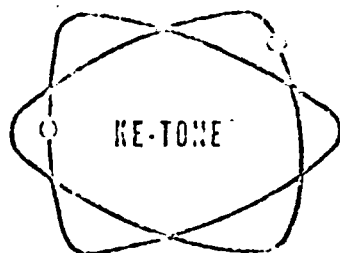
TEXAS PACIFIC OIL COMPANY

McKinney No. 1 Unit "A"  
Elevation 3269'  
660' FNL & 660' FEL  
Sec. 36, T-24-S, R-36-E  
Langlie Mattix Pool  
Lea County, New Mexico

*Exhibit II*

COMPANY: R. OLSEN OIL CO. WELL: <i>McKinney</i> FIELD: COOPER JAL COUNTY: IFA STATE: N.M. LOCATION: *		COMPANY: R. OLSEN OIL CO. WELL: COOPER NO. 1 FIELD: COOPER JAL COUNTY: IFA STATE: N.M. LOCATION:
LOG MEASURED FROM TUBING SPOOL ELEVATION * DRILLING MEASURED FROM T. SPOOL ELEVATION * TUBING SPOOL IS 4' PERMANENT DATUM BELOW OLD NOTARY ELEVATION *		





## UNITED CHEMICAL CORPORATION

OF NEW MEXICO

601 NORTH LEECH

P. O. BOX 1499

MOSES, NEW MEXICO 88240

Company Texas PacificField Jalmit Yates 7 RiversLease Watkins #1 Sampling Date 10/31/68

Type of Sample \_\_\_\_\_

## WATER ANALYSIS

IONIC FORM	me/l *	mg/l *
Calcium (Ca++)	31.94	640
Magnesium (Mg++)	21.71	264
Sodium (Na+) Calculated	109.08	2508
Iron		2
Bicarbonate (HCO <sub>3</sub> -)	15.80	963
Carbonate (CO <sub>3</sub> -)	NOT	FOUND
Hydroxide (OH-)	NOT	FOUND
Sulphate (SO <sub>4</sub> -)	70.79	3400
Chloride (Cl-)	76.14	2700
7.2 ph c 68 °F		
Dissolved Solids on Evap. at 103° - 105° C		
Hardness as Ca CO <sub>3</sub>	53.65	2683
Carbonate Hardness as CaCO <sub>3</sub> (temporary)	15.80	790
Non-Carbonate Hardness as CaCO <sub>3</sub> (permanent)	37.85	1893
Alkalinity as CaCO <sub>3</sub>	15.80	790
Specific Gravity c 68° F 1.000		

\* mg/l = milligrams per Liter

\* me/l = milliequivalents per Liter

Calcium carbonate scaling index positive at 86° F

Calcium sulfate scaling index positive

//////////////////////////////////// *Mohr Water Works* //////////////////////////////////

## 601 NORTH LEECH

HOBBS, NEW MEXICO 86240

P. O. BOX 1499

Company Texas Pacific Oil Company

Field	Value
Age	18
Gender	Male
Height	175
Weight	70
Marital Status	Single
Education	High School
Occupation	Student
Income	1000
Exercising	Yes
Smoking	No
Drinking	No
Stress	Low
Sleeping	7
Family Size	3
Religion	Christian
Political Affiliation	Democrat
Health Insurance	Yes
Auto Insurance	Yes
Life Insurance	No
Travel Frequency	Monthly
Favorite Food	Italian
Hobbies	Reading, Gaming
Pets	Yes
Volunteering	No
Charitable Giving	No
Real Estate Interest	No
Stock Market Interest	No
Crypto Interest	No
Art Collection	No
Golfing	No
Fishing	No
Gardening	No
Collecting	No
DIY Projects	No
Home Renovation	No
Traveling Abroad	No
Cruising	No
Adventure Travel	No
Business Travel	No
Family Travel	No
Religious Travel	No
Political Travel	No
Health Travel	No
Education Travel	No
Work Travel	No
Leisure Travel	No
Family Time	Yes
Friends Time	Yes
Partner Time	No
Alone Time	No
Group Time	No
Family Reunions	No
Friends Reunions	No
Partner Reunions	No
Alone Reunions	No
Group Reunions	No
Family Events	No
Friends Events	No
Partner Events	No
Alone Events	No
Group Events	No
Family Celebrations	No
Friends Celebrations	No
Partner Celebrations	No
Alone Celebrations	No
Group Celebrations	No
Family Gatherings	No
Friends Gatherings	No
Partner Gatherings	No
Alone Gatherings	No
Group Gatherings	No
Family Meetings	No
Friends Meetings	No
Partner Meetings	No
Alone Meetings	No
Group Meetings	No
Family Discussions	No
Friends Discussions	No
Partner Discussions	No
Alone Discussions	No
Group Discussions	No
Family Decisions	No
Friends Decisions	No
Partner Decisions	No
Alone Decisions	No
Group Decisions	No
Family Plans	No
Friends Plans	No
Partner Plans	No
Alone Plans	No
Group Plans	No
Family Goals	No
Friends Goals	No
Partner Goals	No
Alone Goals	No
Group Goals	No
Family Values	No
Friends Values	No
Partner Values	No
Alone Values	No
Group Values	No
Family Beliefs	No
Friends Beliefs	No
Partner Beliefs	No
Alone Beliefs	No
Group Beliefs	No
Family Attitudes	No
Friends Attitudes	No
Partner Attitudes	No
Alone Attitudes	No
Group Attitudes	No
Family Opinions	No
Friends Opinions	No
Partner Opinions	No
Alone Opinions	No
Group Opinions	No
Family Perspectives	No
Friends Perspectives	No
Partner Perspectives	No
Alone Perspectives	No
Group Perspectives	No
Family Experiences	No
Friends Experiences	No
Partner Experiences	No
Alone Experiences	No
Group Experiences	No
Family Memories	No
Friends Memories	No
Partner Memories	No
Alone Memories	No
Group Memories	No
Family Traditions	No
Friends Traditions	No
Partner Traditions	No
Alone Traditions	No
Group Traditions	No
Family Customs	No
Friends Customs	No
Partner Customs	No
Alone Customs	No
Group Customs	No
Family Rituals	No
Friends Rituals	No
Partner Rituals	No
Alone Rituals	No
Group Rituals	No
Family Habits	No
Friends Habits	No
Partner Habits	No
Alone Habits	No
Group Habits	No
Family Preferences	No
Friends Preferences	No
Partner Preferences	No
Alone Preferences	No
Group Preferences	No
Family Interests	No
Friends Interests	No
Partner Interests	No
Alone Interests	No
Group Interests	No
Family Passions	No
Friends Passions	No
Partner Passions	No
Alone Passions	No
Group Passions	No
Family Hopes	No
Friends Hopes	No
Partner Hopes	No
Alone Hopes	No
Group Hopes	No
Family Dreams	No
Friends Dreams	No
Partner Dreams	No
Alone Dreams	No
Group Dreams	No
Family Aspirations	No
Friends Aspirations	No
Partner Aspirations	No
Alone Aspirations	No
Group Aspirations	No
Family Ambitions	No
Friends Ambitions	No
Partner Ambitions	No
Alone Ambitions	No
Group Ambitions	No
Family Desires	No
Friends Desires	No
Partner Desires	No
Alone Desires	No
Group Desires	No
Family Needs	No
Friends Needs	No
Partner Needs	No
Alone Needs	No
Group Needs	No
Family Wants	No
Friends Wants	No
Partner Wants	No
Alone Wants	No
Group Wants	No
Family Requirements	No
Friends Requirements	No
Partner Requirements	No
Alone Requirements	No
Group Requirements	No
Family Obligations	No
Friends Obligations	No
Partner Obligations	No
Alone Obligations	No
Group Obligations	No
Family Responsibilities	No
Friends Responsibilities	No
Partner Responsibilities	No
Alone Responsibilities	No
Group Responsibilities	No
Family Commitments	

License C. D. Woolworth #1 Sampling Date 11/15/68

Type of Sample	Well head
----------------	-----------

IONIC FORM		me/l *	mg/l *
Calcium ( $\text{Ca}^{++}$ )		39.32	788
Magnesium ( $\text{Mg}^{++}$ )		16.28	198
Sodium ( $\text{Na}^+$ )	(calculated)	62.39	1434
Iron			0.89
Bicarbonate ( $\text{HCO}_3^-$ )		22.31	1361
Carbonate ( $\text{CO}_3^{--}$ )			Not Found
Hydroxide ( $\text{OH}^-$ )			Not Found
Sulphate ( $\text{SO}_4^{--}$ )		31.92	1533
Chloride ( $\text{Cl}^-$ )		63.76	2261
7.3 pH @ 68° F			
Dissolved Solids on Evap. at 103° - 105° C			
Hardness as $\text{CaCO}_3$		55.60	2780
Carbonate Hardness, as $\text{CaCO}_3$ (temporary)		22.31	1116
Non-Carbonate Hardness as $\text{CaCO}_3$ (permanent)		33.29	1665
Alkalinity as $\text{CaCO}_3$		22.31	1116
Specific Gravity @ 68° F	1.005		

\* me/l = milliequivalents per Lit.

Calcium Sulfate scaling index - negative

# Makes Water Work