

NEW MEXICO OIL CONSERVATION COMMISSION
APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

RECEIVED
APR 20 1971

OPERATOR Eugene E. Nearburg		ADDRESS 4219 Sigma Road, Dallas, Texas 75240	
LEASE NAME Anderson	WELL NO. 7	FIELD Allison Penn	COUNTY Roosevelt
LOCATION UNIT LETTER H ; WELL IS LOCATED 1980 FEET FROM THE North LINE AND 660 FEET FROM THE East LINE, SECTION 31 TOWNSHIP 8 South RANGE 37 East NMPM.			

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	10 3/4	420	225	Circulated	
INTERMEDIATE	7 5/8	4190	1000	Circulated	
LONG STRING	4 1/2	9730	400	7400'	Calculated
TUBING	2 3/8	4850	NAME, MODEL AND DEPTH OF TUBING PACKER Baker Model AD set 4855'		

NAME OF PROPOSED INJECTION FORMATION San Andres		TOP OF FORMATION 4120	BOTTOM OF FORMATION 5540
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLE? Perforations	PROPOSED INTERVAL(S) OF INJECTION 4861' to 4991'
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Bough "C" Producer (Casing collapsed)		HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? Yes
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH 4 shots per foot 9600 to 9604 & 9606 to 9624			

50 sack plug at 7200' Perforated 4 1/2" casing at 5400' and squeezed 210 sacks cement, left top cement in 4 1/2" casing at 5300'.

INJECTION VOLUME (BBLS.) 12	10	100	Closed	PRESSURE Pressure	1,000
ANSWER YES OR NO WHETHER THE FOLLOWING WATERS ARE MINERALIZED TO SUCH A DEGREE AS TO BE UNFIT FOR DOMESTIC, STOCK, IRRIGATION, OR OTHER GENERAL USE -		WATER TO BE DISPOSED OF Yes	NATURAL WATER IN DISPOSAL ZONE Yes	ARE WATER ANALYSES ATTACHED? No	

NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) W.P. Bilbrey Cross Roads, New Mexico			
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL			
Yates Petroleum Co. 207 West 4 th Street Artesia, N.M. 88210			
Marathon Oil Co. Box 552 Midland National Bank Bldg. Midland, Texas 79701			
Coastal States Box 235 Wilco Bldg. Midland, Texas 79701			

HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING? Yes	SURFACE OWNER Yes	EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL Yes	THE NEW MEXICO STATE ENGINEER Not Necessary
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B) Yes	PLAT OF AREA Yes	ELECTRICAL LOG Yes	DIAGRAMMATIC SKETCH OF WELL Yes

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Eddie G. Lewick
(Signature)

Production Supt.
(Title)

4-20-71
(Date)

NOTE: Should waivers from the State Engineer, the surface owner, and all operators within one-half mile of the proposed injection well, not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's Santa Fe office. If at the end of the 15-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing, if the applicant so requests. SEE RULE 701.

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This ensures transparency and allows for easy verification of the data.

In the second section, the author details the various methods used to collect and analyze the data. This includes both primary and secondary research techniques. The primary data was collected through direct observation and interviews, while secondary data was gathered from existing reports and databases.

The third part of the document presents the results of the analysis. It shows a clear trend of increasing activity over the period studied. The data indicates that the majority of the observed behavior is consistent with the theoretical model proposed in the introduction.

Finally, the document concludes with a summary of the findings and their implications. It suggests that the results have significant implications for the field and provides recommendations for further research. The author notes that while the current study provides valuable insights, there are still several areas that require further investigation.

The following table provides a detailed breakdown of the data collected during the study. It shows the distribution of responses across different categories and over time. The data is presented in a clear and concise format, allowing for easy comparison and interpretation.

The data presented in the table above shows a strong correlation between the variables being studied. This suggests that the factors identified in the study are indeed significant and have a direct impact on the outcomes being measured.

In conclusion, this study has provided a comprehensive look at the phenomenon being investigated. The findings are both interesting and informative, and they offer a solid foundation for future research in this area.

10 3/4" Casing set at 420'
Cemented W/225 sacks
Cement circulated.

7 5/8" Casing set at 4192'
Cemented W/1,000 sacks
Cement circulated

Set packer at 4855' on tubing

Perforated 4861 to 4991'.

Perforated 4 1/2" casing at 5400',
squeezed 210 sacks cement,
left cement in 4 1/2" at 5300'.

50' cement plug 7200 to 7150'

4 1/2" Casing collapsed
at 7225'

4 1/2" Casing set at 9730'
Cemented W/400 sacks.

Summary - Anderson #7

The No. 7 Anderson was completed in July, 1961 at 9730 TD as a Bough "C" producer in the Allison Penn. Field of Roosevelt Co. New Mexico.

The 4½" casing collapsed during the summer of 1963. The well was recompleted in the San Andres after an attempt to repair the casing failed.

A 50' cement plug was set from 7200' to 7150'. The casing was perforated at 5400', and 200 sacks of cement were squeezed thru the perforations leaving a 100' plug inside the casing, top of the plug was 5300'.

A cement bond log was ran over the San Andres interval and indicated a good bond over the zones of interest.

The well was then perforated from 4991' to 4983' and tested water.

A cast iron bridge plug was set at 4956'.

The well was perforated from 4921' to 4869' and tested water in all perforations below 4869. The perforation at 4869 tested oil.

A cast iron bridge plug was set at 4882'.

The well was completed thru perforations at 4861 to 4869' as a pumping well.

The production declined below the economic limit (1 bbl./day) in 1969 and was shut in.

We plan to drill out the bridge plugs at 4956' and 4882' and inject salt water from our #5 and #6 Anderson Pennsylvanian Wells, in the perforation from 4991' to 4861'.

We will set a Baker Model AD tension packer on 2 3/8" tubing at 4855'.

The San Andres zone should take water on a vacuum for a short time but, due to a poor reservoir it will be necessary to install a disposal pump in the near future.

Well History - Anderson #7

Spud date - June 9, 1961

Comp. Date - July 15, 1961

Casing Record:

10 3/4" set at 420' w/225 sx
7 5/8" set at 4192' w/1000 sx
4 1/2" set at 9730' w/400 sx

Perforation Record:

4 - JS per foot 9600-04 9606-24

Treatment:

Acidized w/500 gal. Spearhead acid + 5,000 gal. 15% reg.

Initial Potential:

Flowed 216 B0/24 hrs., No water on 15/64 choke

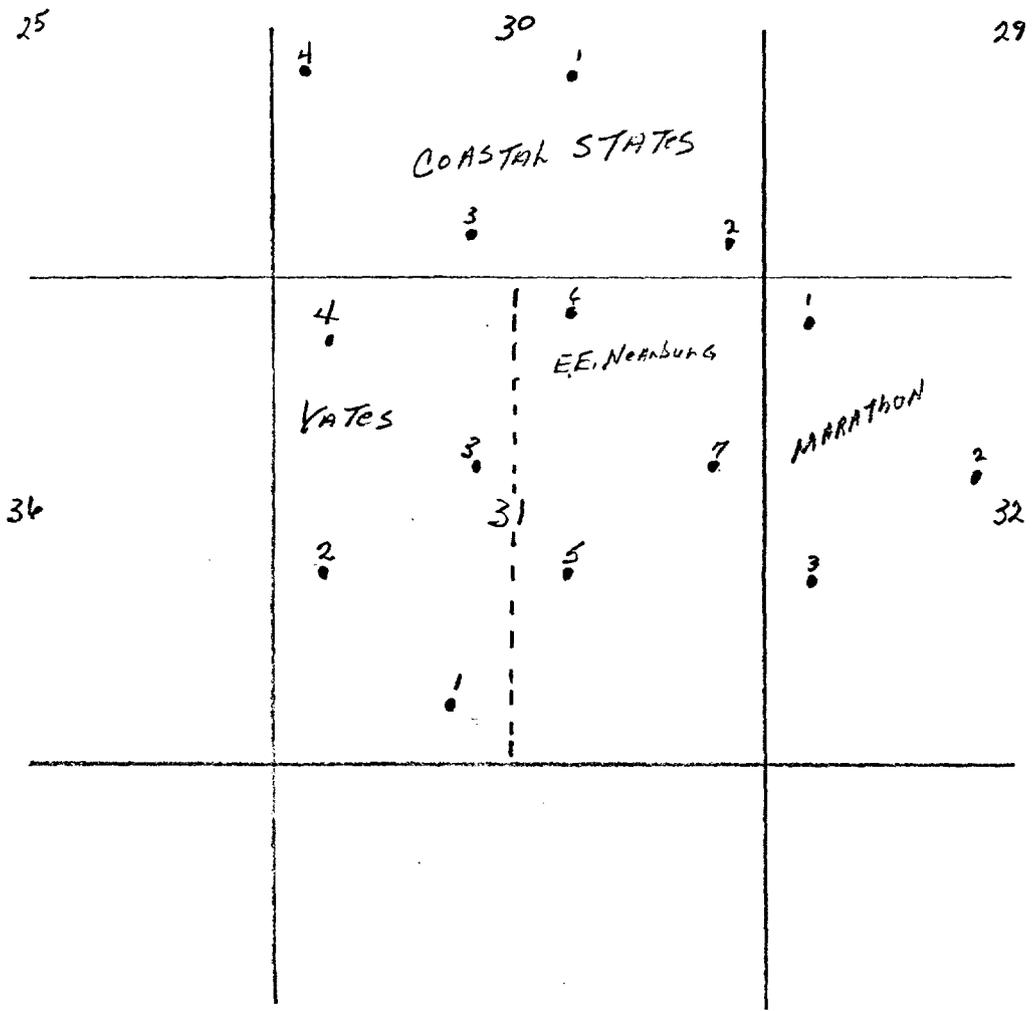
Gas-Oil Ratio 848
Csg. Pressure 910#

Gravity 47
Tbg. Pressure 300#

Tops:

Rustler	2250'	Hueco	9060'
Yates	2875'	Penn	9482'
San Andres	4120'	Bough "C"	9596'
Glorieta	5540'	Total depth	9730'
Abo	7725'	Plug back T.D.	9657'

50 ft. in 4 1/2" at 7200' + 100' plug in 4 1/2" at 5400 - 5300





GAMMATRON

Simultaneous Nuclear Log

FILING NO. 76114

COMPANY NEARBURG & INGRAM
 WELL ANDERSON #7
 FIELD ALLISON - PENN
 COUNTY ROOSEVELT STATE NEW MEXICO

LOCATION: 1980'FNL-660'FEL

 SEC. 31 TWP. 8S RGE. 37E

OTHER SERVICES

ELEVATIONS:
 KB. 4043.5
 DF.
 GL. 4029.5

PERMANENT DATUM GROUND LEVEL ELEV. 4029.5
 LOG MEASURED FROM FT. ABOVE PERMANENT DATUM
 DRILLING MEASURED FROM KELLY BUSHING

DATE	<u>7-12-61</u>	<u>7-12-61</u>
RUN NO.	<u>ONE</u>	<u>ONE</u>
TYPE LOG	<u>GAMMA RAY</u>	<u>NEUTRON</u>
DEPTH—DRILLER	<u>9697'</u>	<u>9697'</u>
DEPTH—LOGGER	<u>9656.5'</u>	<u>9656.5'</u>
BOTTOM LOGGED INTERVAL	<u>9647.5'</u>	<u>9655'</u>
TOP LOGGED INTERVAL	<u>SURF</u>	<u>SURF</u>
TYPE FLUID IN HOLE	<u>WATER</u>	<u>WATER</u>
SALINITY PPM CL.		
DENSITY		
LEVEL	<u>FULL</u>	<u>FULL</u>
MAX. REC. TEMP. DEG. F		
OPR. RIG TIME		
RECORDED BY	<u>CARROLL & THORNTON</u>	
WITNESSED BY	<u>MR. MC/PETERS</u>	

RUN NO.	BORE HOLE RECORD				CASING RECORD		
	BIT	FROM	TO	SIZE	WGT.	FROM	TO
				<u>10 3/4</u>		<u>SURF</u>	<u>420</u>
				<u>7 5/8</u>		<u>SURF</u>	<u>4192</u>
				<u>4 1/2</u>		<u>SURF</u>	<u>9726</u>

THIS HEADING AND LOG CONFORMS TO API RECOMMENDED STANDARD PRACTICE RP-28