

NEW-MEXICO OIL CONSERVATION COMMISSION

APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR Flag-Redfern Oil Company			ADDRESS P. O. Box 23, Midland, Texas 79702		
LEASE NAME Bilbrey "51"		WELL NO. 1	FIELD Sawyer (San Andres)		COUNTY Lea
LOCATION UNIT LETTER A ; WELL IS LOCATED 660 FEET FROM THE North LINE AND 660 FEET FROM THE East LINE, SECTION 23 TOWNSHIP 9S RANGE 37E NMPM. Fed. Lse. LC-065151					
CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	8-5/8"	415'	250	Surface	Circulated
INTERMEDIATE	None				
LONG STRING	4-1/2"	5070'	250	3827'	Calculated
TUBING	2-3/8"	4934'	NAME, MODEL AND DEPTH OF TUBING PACKER Baker Model "R" set at 4900'		
NAME OF PROPOSED INJECTION FORMATION San Andres			TOP OF FORMATION 4774'		BOTTOM OF FORMATION Not drilled through
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Through tubing		PERFORATIONS OR OPEN HOLE? Perforations	PROPOSED INTERVAL(S) OF INJECTION 4941-5022'		
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No		IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? For oil production		HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? No	
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH -					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA No useable water aquifers		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA No higher oil or gas zones		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA Devonian - 11,618'	
ANTICIPATED DAILY INJECTION VOLUME (BBLS.) 225	MINIMUM 175	MAXIMUM 350	OPEN OR CLOSED TYPE SYSTEM Closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure	APPROX. PRESSURE (PSI) 2000
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 - Yes			WATER TO BE DISPOSED OF Yes	NATURAL WATER IN DISPOSAL ZONE Yes	ARE WATER ANALYSES ATTACHED? Yes
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) W. P. Bilbrey, Route 1, Crossroads, New Mexico					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL No offset operators within 1/2 mile of well					
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?		SURFACE OWNER Yes		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL NA	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)		PLAT OF AREA Yes		ELECTRICAL LOG Yes	
				THE NEW MEXICO STATE ENGINEER 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.



(Signature)

Petroleum Engineer

(Title)

8-11-77

(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.

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OIL COMBUSTION COMM.
HOBBS, N. M.

Date 1-12-73

Report No. _____

Company Flag Redfern

County Lea

Lease Bilbrey

Address _____

Field _____

Well No. 51 #1

Attention Mr. Graves

Formation San Andres

Depth _____

Recent Treatments _____

Date 1-11-73
Sampled Evening

Sample Well-head
Source _____

WATER ANALYSIS

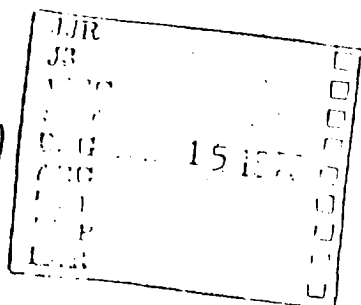
(Reported as mg per Liter)

Specific Gravity 1.160
Chloride 144,000
Bicarbonate 1269
Sulfate 280
Sulfide Strong
Total Hardness (as Ca CO₃) 79,000

pH 4.5
Calcium 28,000
Magnesium 2160
Total Iron Nil
Sodium (Calc.) 57,569
Total Dissolved Solids (Calc.) 203,378

Resistivity _____ Ohm Meters @ _____

Remarks: _____



Analyst John A. Sims

Cardinal Representative _____

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OL COMM. & PTV COMM.
HOBBS, N. M.

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator Flag-Redfern Oil Company			Lease Bilbrey 51		Well No. 1
Unit Letter A	Section 23	Township 9-S	Range 37-E	County Lea	
Actual Footage Location of Well: 660 feet from the North line and 660 feet from the East line					
Ground Level Elev. 3981	Producing Formation San Andres		Pool Sawyer		Dedicated Acreage: 160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☒ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

Section 23 Twp 9-S Rge 37-E	Flag-Redfern Oil Company <i>BILBREY 51 WELL #1</i>
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CERTIFICATION

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

Name *Bryon H. Duce*
Position _____

Production Manager
Company
Flag-Redfern Oil Company

Date
11-9-72

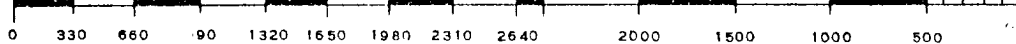
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
11-8-72

Registered Professional Engineer and/or Land Surveyor

[Signature]
Certificate No.

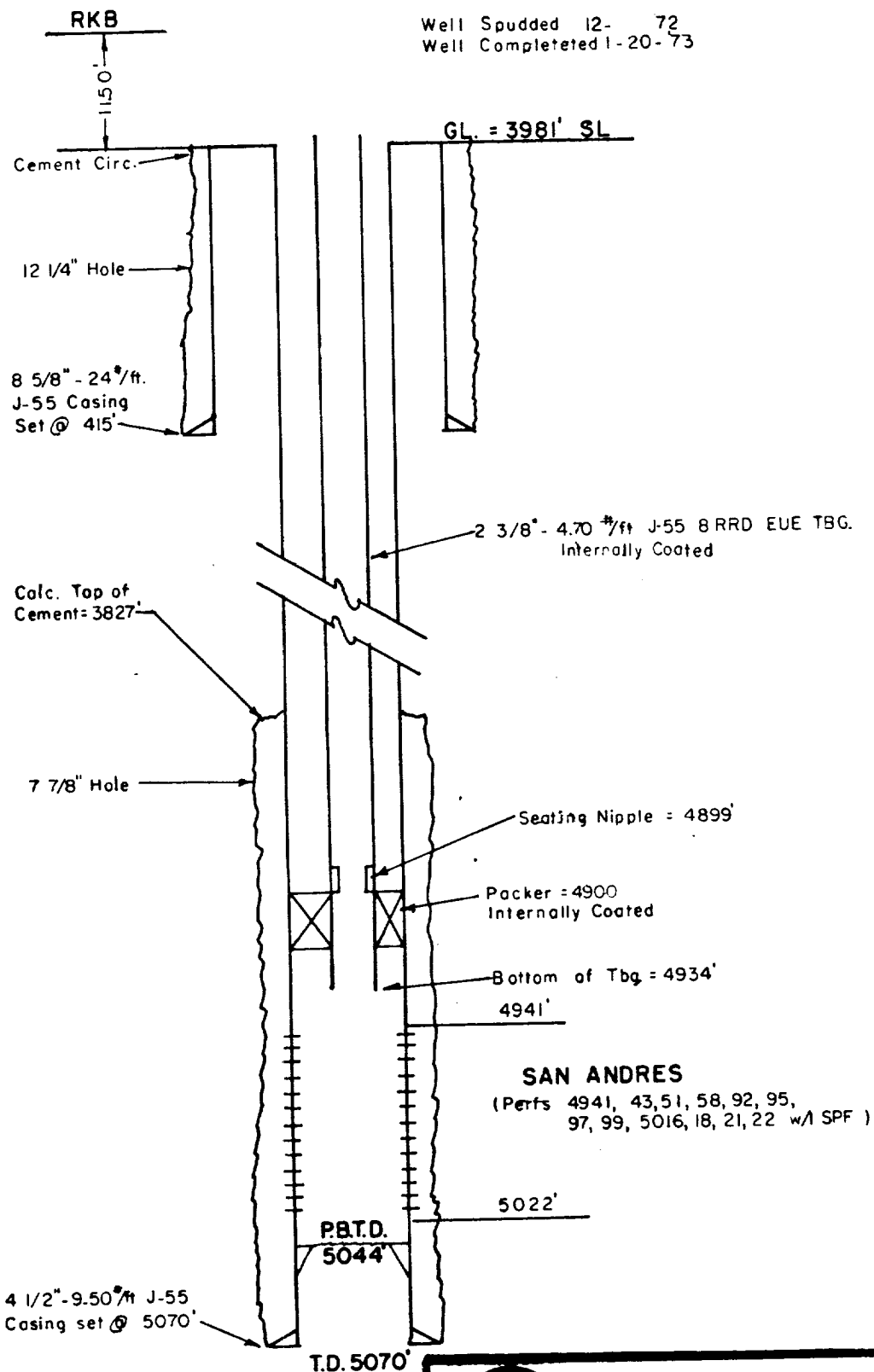
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OIL CONG. & ENV. COMM.
HOBBS, N. M.



Flag-Redfern Oil Company

1200 WALL TOWERS WEST • MIDLAND, TEXAS 79702

P. O. BOX 23 • PHONE (915) 683-5184

WELL PROFILE

**PROPOSED WATER INJECTION WELL
BILBREY 51-Well No. 1
SAWYER (SAN ANDRES) FIELD**

Federal Lease #Lc-065151
Location: Unit Letter 'A', 660' FN & EL, Sec. 23, T-9-S, R-37-E
Lea County, New Mexico

8-12-77

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