

NEW MEXICO OIL CONSERVATION COMMISSION

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

Form C-108
Revised 1-1-65

OPERATOR Samedan Oil Corporation		ADDRESS 2207 Wilco Building, Midland, Texas 79701	
LEASE NAME Amerada State	WELL NO. 1	FIELD East Morton (Wolfcamp)	COUNTY Lea
LOCATION			
UNIT LETTER <u>G</u> ; WELL IS LOCATED <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM THE <u>East</u> LINE, SECTION <u>4</u> TOWNSHIP <u>15-S</u> RANGE <u>35-E</u> NMPM.			

CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	13-3/8"	470	350	Surface	Circulation
INTERMEDIATE	8-5/8"	4660'	300	3800'	Temp. Survey
LONG STRING					
TUBING	2-3/8"	4650'	8-5/8" Johnson Tension Type		

NAME OF PROPOSED INJECTION FORMATION San Andres and Glorieta		TOP OF FORMATION 4660'	BOTTOM OF FORMATION 6325'
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLES Open Hole	PROPOSED INTERVAL(S) OF INJECTION 4660' - 6325'

IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Oil - Drilled to T.D. 10,650'	HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? No
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LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH (Open Hole)

70 sx. @ 6325' - 6564'; 50 sx. @ 8055' - 8211'; 50 sx. @ 9604' - 9770'; 75 sx. @ 10,369' - 10,570'

DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA Approximately 150'	DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA None	DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA 10,540'
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ANTICIPATED DAILY INJECTION VOLUME (BBLS.) 200	MINIMUM 70	MAXIMUM 250	OPEN OR CLOSED TYPE SYSTEM Closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Gravity	APPROX. PRESSURE (PSI) --
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. K. Fields, Bronco, Texas

LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL

Union Oil of California, 300 Security National Bank Building, Roswell, New Mexico 88201

Superior Oil Company, P.O. Box 1900, Midland, Texas 79701

HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?	SURFACE OWNER Yes	EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL Yes	THE NEW MEXICO STATE ENGINEER
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)	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.

G. W. Putnam Division Production Superintendent March 9, 1971
 (Signature) (Title) (Date)

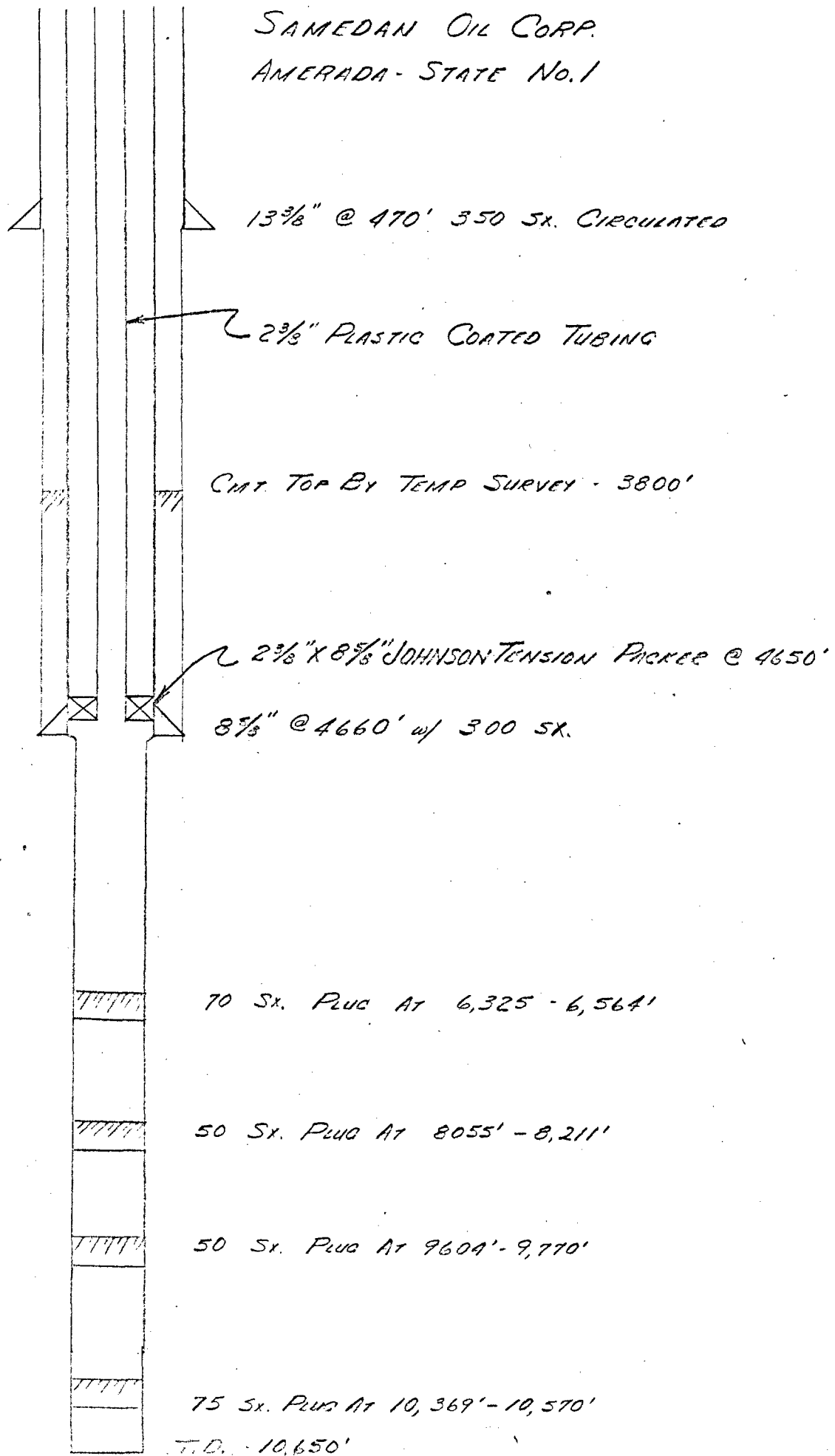
NOTE: Should waivers from the State Engineer, the surface owner, and all operators within one-half mile of the proposed injection well, not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's 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.

RECEIVED

MAR 1 1971

**OIL CONSERVATION COMM.
HOBBS, N. M.**

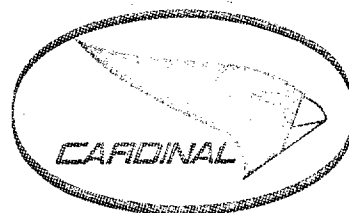
SAMEDAN OIL CORP.
AMERADA - STATE No. 1



4660
3800
—
860'

Cardinal

ANALYTICAL SERVICE LABORATORY



Date 3-5-71

Report No. _____

Company Samedan Oil Co.

County Lea

Lea County, State of Texas
Lease Amerada State

Address P.O. Box 190

Field _____

Well No. 1

Attention Bob Frizzell

Formation San Andres and Depth 4660' - 6325'
Glorieta

Recent Treatments 250 gal. 15 % MEC Acid

Date _____
Sampled 3-5-71

Sample _____
Source _____

WATER ANALYSIS

(Reported as mg per Liter)

Specific Gravity 1.100

pH 6

Chloride 75,000

Calcium 2000

Bicarbonate 488

Magnesium 1200

Sulfate 1000

Total Iron Strong

Sulfide Nil

Sodium (Calc.) 44,666

Total Hardness (as Ca CO₃) 10,000

Total Dissolved Solids (Calc.) 124,354

Resistivity Onm Meters @

Remarks:

Analyst Russell Hawk

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE