



REGIONAL OFFICE
MIDLAND, TEXAS 79701

P.O. BOX 4067
1509 WEST WALL STREET



TEL. 915-684-5584
TWN. 915-895-5324

March 6, 1981

Oil Conservation Division
New Mexico Department of Energy
and Minerals
P.O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. Joe D. Ramey
Director

Re: Salt Water Disposal
Lea County, New Mexico
For Sun Texas Company

Dear Mr. Ramey:

Enclosed are two (2) revised copies of the N.M.O.C.C. Form C-108 which supercede any previously submitted forms. The revisions include squeezing off the open perforations and setting the packer at 10,900'.

Yours very truly,

SUN TEXAS COMPANY

A handwritten signature in cursive script, appearing to read "R. J. Womack".

R. J. Womack
Midland Regional Manager

RJW/SJG/pls



A DIVISION OF SUN OIL COMPANY (DELAWARE)

NEW MEXICO OIL CONSERVATION COMMISSION

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

Form C-104
Revised 3-1-68

MAR 12 1981

OIL CONSERVATION DIVISION

OPERATOR SUN TEXAS COMPANY		ADDRESS BOX 4067, MIDLAND, TEXAS 79704	
LEASE NAME STATE "C" A/C-1	WELL NO. 3	FIELD BAGLEY (SILURO-DEVONIAN)	COUNTY LEA
LOCATION UNIT LETTER L I WELL IS LOCATED 1980 FEET FROM THE SOUTH LINE AND 660 FEET FROM THE WEST LINE, SECTION 2 TOWNSHIP 12-S RANGE 33-E NEPM.			

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	13-3/8"	324'	350	Circ'd	
INTERMEDIATE	9 5/8"	3,894'	2,700	Circ'd	
LONG STRING	5 1/2"	11,034'	3,000	Circ'd	
TUBING	3 1/2"	10,900'	NAME, MODEL AND DEPTH OF TUBING PACKER GUIDERSON UNIPACKER -V O 10,900'		

NAME OF PROPOSED INJECTION FORMATION DEVONIAN		TOP OF FORMATION 10,846	BOTTOM OF FORMATION NOT PENETRATED
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? TUBING		PERFORATIONS ON OPEN HOLE? OPEN HOLE	PROPOSED INTERVAL(S) OF INJECTION 11,034' - 11,370'
IN THIS A NEW WELL DRILLED FOR DISPOSAL? NO	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? SILURO-DEVONIAN PRODUCING WELL	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 SHUT OFF OR ISOLATE EACH 10,907-994' - sqz'd w/50 sxs, 10,856-90' - open, will be sqz'd prior to injection			
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 150' (est'd)	DEPTH OF BOTTOM OF NEAR HIGHER OIL OR GAS ZONE IN THIS AREA Penn (Collier) - 9,950'	DEPTH OF TOP OF NEAR LOWER OIL OR GAS ZONE IN THIS AREA NONE	
ANTICIPATED DAILY INJECTION VOLUME (BBL/D) MINIMUM 6,400 MAXIMUM 8,000	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 MINORIALIZED 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 (IF LEASED, F STATE OR FEDERAL LAND) LESSEE: Marsha Hilburn Mathers, P. O. Box 303, Caprock, New Mexico 88213
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF MILE OF THIS INJECTION WELL Amerada Hess, P. O. Box 840, Seminole, Texas 79360

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
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)?	FLAT OF AREA Yes	ELECTRICAL LOG Yes
		DIAGRAMMATIC SKETCH OF WELL

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

R. J. O'Neal
(Signature)

Regional Operations Superintendent

3-6-81
(Date)

NOTE: Should notices from 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.

Elevation: 4254 DF
Datum: Zero @ DF-12 AGL

State of N.M. No. 3
1780' FSL & 660' FHL
Sect. 2, T-12-S, R-33
Bagley (Devonian) Field
Lee County, New Mexico

13 3/8" 48" H-40 @ 324'
Cmt'd w/ 350 SX - Circ'd

PROPOSED
S.W.D.W.
CONVERSION

9 5/8" 36" J-55 @ 3824'
Cmt'd w/ 2700 SX - Circ'd

3 1/2" tubing w/ PKR
@ 10,900'

9950'
10856'
10890'
10907'
10994'

Perf'd 45PF @ 9950'
Circ'd Cmt w/ 2800 SX

OTOC @ 9980' after 200SX
(Temp. Surv.)

Perf'ns 10856-10907 (25PF)
Sque'd DRY

Perf'ns 10860-90 (15PF)
Perf'ns 10856-90 to be
Sque'd

Perf'ns 10907-94 (510 JSWts)
Sque'd w/ 50 SX

5 1/2" 17" A-80 @ 11034'
Cmt'd w/ 200 SX
Weld FCL shoe to 11033'

INJECTION ZONE

DRILL-OUT TO
TDC @ 11,330'