

NEW MEXICO OIL CONSERVATION COMMISSION

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

OPERATOR Amoco Production Company		ADDRESS Security Life Bldg, Denver, Colorado 80202	
LEASE NAME U S G Section 19	WELL NO. 17	FIELD Hogback Dakota	COUNTY San Juan
LOCATION UNIT LETTER <u>I</u> ; WELL IS LOCATED <u>1850</u> FEET FROM THE <u>South</u> LINE AND <u>790</u> FEET FROM THE <u>East</u> LINE, SECTION <u>19</u> TOWNSHIP <u>29N</u> RANGE <u>16W</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"	251'	250	Surface	Returns
INTERMEDIATE	9-5/8"	2157'	625	772'	Temperature
LONG STRING	7"	5613'	475	3100'	Temperature
TUBING	None		None	NAME, MODEL AND DEPTH OF TUBING PACKER	

NAME OF PROPOSED INJECTION FORMATION Entrada and Chinli		TOP OF FORMATION 2045' - Entrada	BOTTOM OF FORMATION 3100' - Chinli
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Casing and annulus		PERFORATIONS OR OPEN HOLES Perfs: 2045-2105 OH: 2157-3100	PROPOSED INTERVAL(S) OF INJECTION 2045'-2105' and 2157'-3100'
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Oil and gas in Pennsylvanian		HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? Yes - Pennsylvanian

LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH 6530-70', 350 sx; 6396-6426', 200 sx; 6350-6370', 150 sx; 6045-6080', 400 sx; 6643-6659', 175 sx; plug 5000'-6597'			
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA None known	DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA Dakota - 960'		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA Pennsylvanian 5340'

ANTICIPATED DAILY INJECTION VOLUME (BBLs.) 3000	MINIMUM 3000	MAXIMUM 6000	OPEN OR CLOSED TYPE SYSTEM Closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure	APPROX. PRESSURE (PSI) 600
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? Yes

NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) Navajo tribe of Indians, c/o U.S.G.S. Box 965, Farmington, New Mexico	
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL None	

HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING? To U.S.G.S.	SURFACE OWNER To U.S.G.S.	EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL Yes (None)	THE NEW MEXICO STATE ENGINEER Yes
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.

RB Giles Sr Staff Engr. Amoco Prod. Co.
(Signature) (Title)

10/12/72
(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.