



Amoco Production Company

Post Office Box 68
Hobbs, New Mexico 88240

S. J. Okerson
District Superintendent

July 17, 1980

File: SJO-986.51 x WF-869

Re: Application for Salt Water Disposal
State "HR" Well No. 1
Airstrip Field
Lea County, New Mexico

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

Gentlemen:

Amoco Production Company requests administrative approval to dispose of produced water from the Airstrip Wolfcamp, Airstrip Upper Bone Springs, and Airstrip Lower Bone Springs fields into the Queen formation in our State "HR" Well No. 1, located 330' FNL and 1980' FWL, Section 36, T-18-S, R-34-E, Lea County, New Mexico. In accordance with rule 701-C we are attaching hereto our "Application to Dispose of Salt Water by Injection Into a Porous Formation". Also attached is a plat, a diagrammatic sketch of the proposed injection well, a water analysis test of the produced water to be injected, and a copy of certified mail receipts to the offset operators.

State "HR" Well No. 1, the proposed injection well, was originally drilled as a producing well in the Airstrip Wolfcamp Field and plugged back to 4900'. Prior to conversion to a disposal well a 5-1/2" liner will be run to 4850'. We will perforate from 4744' to 4764'. Produced water from our State "FU", State "HQ" and State "HR" leases will be disposed of in the perforated Queen interval 4744'-4764', through plastic coated tubing and injection packer set at approximately 4650'. Water will be injected at a maximum rate of 850 bbl per day.

Yours very truly,

ORIGINAL SIGNED BY S. J. OKERSON

cc: NMOCD-H
E. D. Newman
Houston, TX

Larry Squires
P. O. Box 726
Lovington, NM 88260

Attachments

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

OPERATOR Amoco Production Company		ADDRESS P. O. Box 68, Hobbs, NM 88240	
LEASE NAME State "HR"	WELL NO. 1	FIELD Airstrip	COUNTY Lea
LOCATION UNIT LETTER C ; WELL IS LOCATED 330 FEET FROM THE North LINE AND 1980 FEET FROM THE West LINE, SECTION 36 TOWNSHIP 18-S RANGE 34-E N.M.P.M.			

CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	13-3/8"	302'	325 sx Class C	Surface	Circulated
INTERMEDIATE	9-5/8"	3990'	1385 sx Lite 200 sx Class C	Surface	Circulated
LONG STRING	5-1/2"	3500'-4850'	550 sx Class C	Btm 9-5/8"	Calculated
TUBING	2-3/8"	4710'	NAME, MODEL AND DEPTH OF TUBING PACKER Guiberson Unit VI		
NAME OF PROPOSED INJECTION FORMATION Queen		TOP OF FORMATION 4622'		BOTTOM OF FORMATION 5020'	
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Plastic Coated Tubing		PERFORATIONS OR OPEN HOLES? Perforations		PROPOSED INTERVAL(S) OF INJECTION 4744'-4764'	
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No		IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? 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 SEAL OFF OR SQUEEZE EACH					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 200'		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA 3835'		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA 5020'	
ANTICIPATED DAILY INJECTION VOLUME (BBL'S.)	MINIMUM 700	MAXIMUM 850	OPEN OR CLOSED TYPE SYSTEM Closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure	APPROX. PRESSURE (PSI) 3000#
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) Larry Squires, P. O. Box 726, Lovington, NM 88260					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL See attached address list:					
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?		SURFACE OWNER		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL	
Yes		Yes		Yes	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)		PLAT OF AREA		ELECTRICAL LOG	
Yes		Yes		No	
				THE NEW MEXICO STATE ENGINEER	
				DIAGRAMMATIC SKETCH OF WELL	
				Yes	
				Yes	

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

Bob Davis
(Signature)

Admin. Analyst
(Title)

July 17, 1980
(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.

ADDRESSEE LIST

The Superior Oil Company
Box 1521
Houston, TX 77002

Bass & Richardson
3100 Fort Worth National Bank Bldg.
Fort Worth, TX 76102

Texas Oil & Gas Corp.
900 Wilco Bldg.
Midland, TX 79701

Mesa Petroleum Company
Suite 1000 Vaughn Bldg.
Midland, TX 79701

HNG Oil Company
Box 2267
Midland, TX 79702

Coquina Oil Corporation
P. O. Drawer 2960
Midland, TX 79702

Gulf Oil Corporation
Box 670
Hobbs, NM 88240

The Wiser Oil Company
1610 C & I Bldg.
Houston, TX 77002