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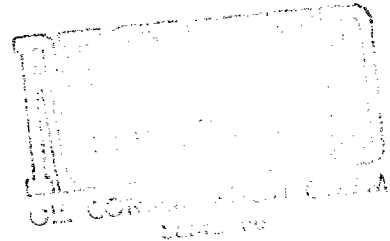
LAW OFFICES
LOSEE & CARSON, P.A.
300 AMERICAN HOME BUILDING
P. O. DRAWER 239
ARTESIA, NEW MEXICO 88210

A. J. LOSEE
JOEL M. CARSON

AREA CODE 505
746-3508

14 September 1973

Mr. A. L. Porter, Jr., Secretary-Director
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501



Dear Mr. Porter:

In support of the application of Navajo Refining Company for administrative approval of an exception to the requirements of Rule 701(A) of the Oil Conservation Commission of New Mexico for a salt water disposal well, please find:

1. Plat of area;
2. Electric log on Bolton "CU" No. 1 Well;
3. Diagrammatic sketch of injection well.

You are advised that the applicant proposes to dispose of refinery waste water through the Bolton "CU" No. 1 Well, located in the NW/4 NE/4 Section 9, Township 17 South, Range 26 East, N.M.P.M., through perforations in the Devonian formation. The components of the refinery waste water were set forth in a letter from Mr. Fred G. Hansen, President of applicant, addressed to you under date of May 9, 1973, a copy of which is enclosed. This refinery waste water is mineralized to such a degree as to be unfit for domestic stock, irrigation or other general use. The Devonian formation is not productive of oil or gas within a radius of two miles from the proposed injection well. You are advised that the well has actually been drilled and completed, subject to your administrative approval, in accordance with the enclosed diagrammatic sketch.

The consent of Yates Petroleum Corporation, the operator of all leases within 1/2 mile of the proposed injection well, and Messrs. C. D. and G. W. Bolton, the surface owners, is hereto attached and made a part hereof. We enclose an additional copy of this letter, with its enclosures, so that if you deem it necessary or desirable, such copy may be furnished to the State Engineer.

Mr. A. L. Porter, Jr., Secretary-Director
New Mexico Oil Conservation Commission

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If there is any further information I can furnish you in this matter, please do not hesitate to let me know.

Very truly yours,

LOSEE & CARSON, P.A.


A. J. Losee

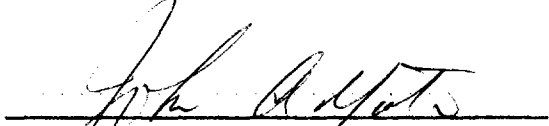
AJL:jw
Enclosures

cc: Mr. N. Raymond Lamb
Navajo Refining Company
Yates Petroleum Corporation w/enclosures
Messrs. C. D. and G. W. Bolton w/enclosures

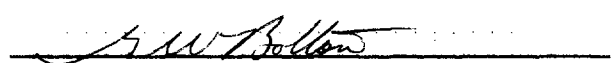
The undersigned acknowledge receipt of the foregoing letter with all enclosures therein described, and hereby consent to the application of Navajo Refining Company to dispose of salt water by injection through the Bolton "CU" No. 1 Well into the Devonian formation.

DATED this September 14, 1973.

YATES PETROLEUM CORPORATION

By: 


C. D. Bolton


G. W. Bolton

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

October 10, 1983

C
O
P
Y

Navajo Refining Company
Box 159
Artesia, New Mexico 88210

Gentlemen:

Enclosed herewith please find Administrative Order SWD-149 for the following well:

Bolton CU Well No. 1 located in Unit
B of Section 9, Township 17 South,
Range 26 East, NMPM, Eddy County,
New Mexico.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/CU/og

cc: Oil Conservation Commission
Drawer DD
Artesia, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION

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

OPERATOR Navajo Refining Company		ADDRESS Box 159, Artesia, New Mexico 88210	
LEASE NAME Bolton CU	WELL NO. 1	FIELD Wildcat	COUNTY Eddy
LOCATION UNIT LETTER B ; WELL IS LOCATED 660 FEET FROM THE N LINE 2180 FEET FROM THE East LINE, SECTION 9 TOWNSHIP 17S RANGE 26E NMPM.			

CASING AND TUBING DATA

SEP 25 1973

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	13 3/8	421'	275	Circulated	O. C. C.
INTERMEDIATE	8 5/8	1320'	600	Circulated	ARTESIA, OFFICE
LONG STRING	5 1/2	9040'	475	6560	Bennet W.L.
TUBING	2 1/2	9040'	NAME, MODEL AND DEPTH OF TUBING PACKER To be selected - Baker		
NAME OF PROPOSED INJECTION FORMATION Devonian			TOP OF FORMATION 8845		BOTTOM OF FORMATION 9040
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing			PERFORATIONS OR OPEN HOLES? 8850-9040 Perf. selected		
IS THIS A NEW WELL DRILLED FOR DISPOSAL? Yes			PROPOSED INTERVAL(S) OF INJECTION Same as perforations		
IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED?			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 1125'		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA Morrow 7963'		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA None known	
ANTICIPATED DAILY INJECTION VOLUME (BBLs.) 3000	MINIMUM 7000	MAXIMUM Closed	OPEN OR CLOSED TYPE SYSTEM Gravity	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Gravity	APPROX. PRESSURE (PSI) Max 3000 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 - Unfit			WATER TO BE DISPOSED OF Unfit		
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) G. W. & Curtis Bolton (Agreement approved)			NATURAL WATER IN DISPOSAL ZONE Unfit		
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL Yates Drilling Company & Yates Petroleum Company					
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING? Yes					
SURFACE OWNER Yes					
EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL Yes					
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.

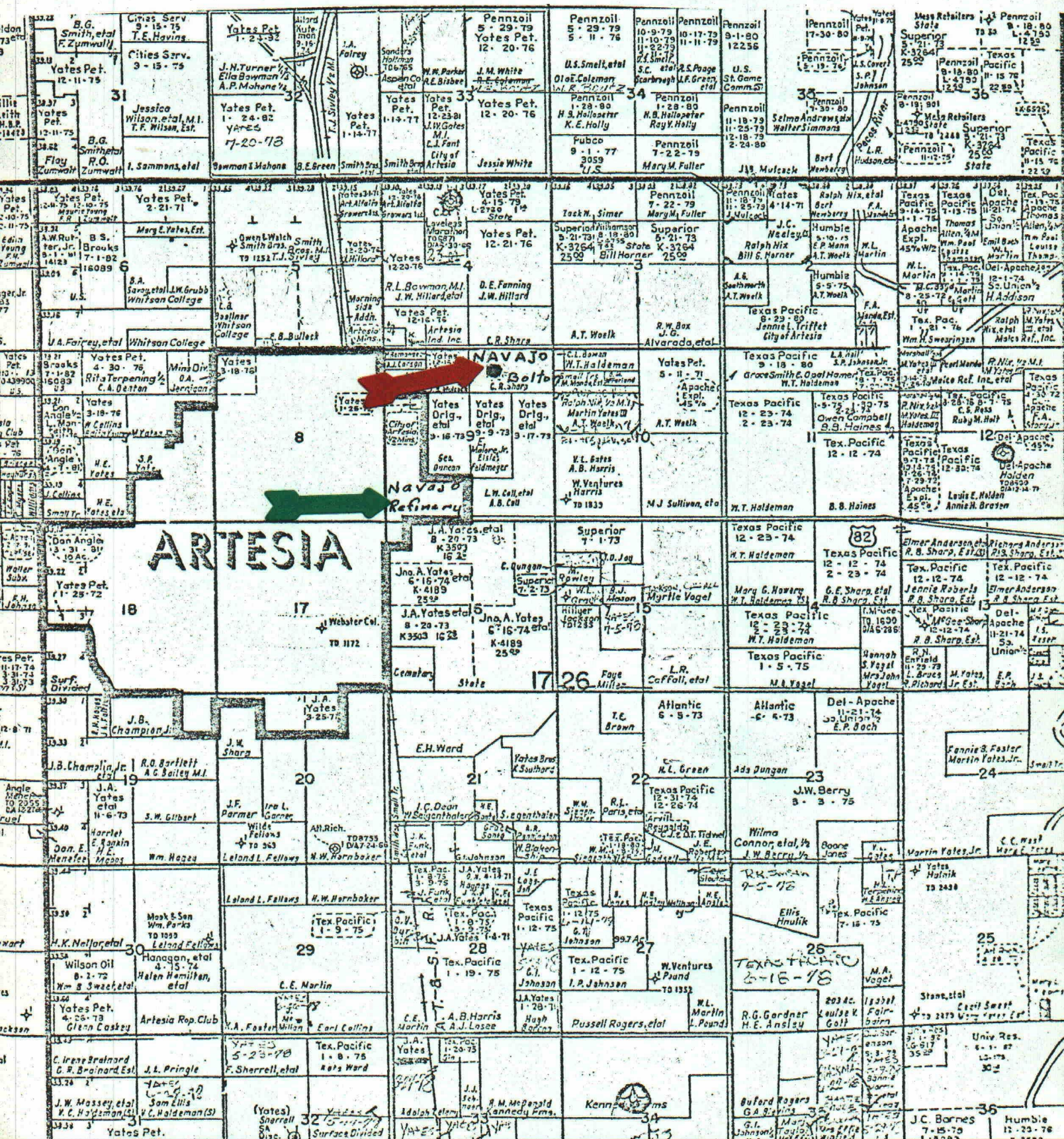
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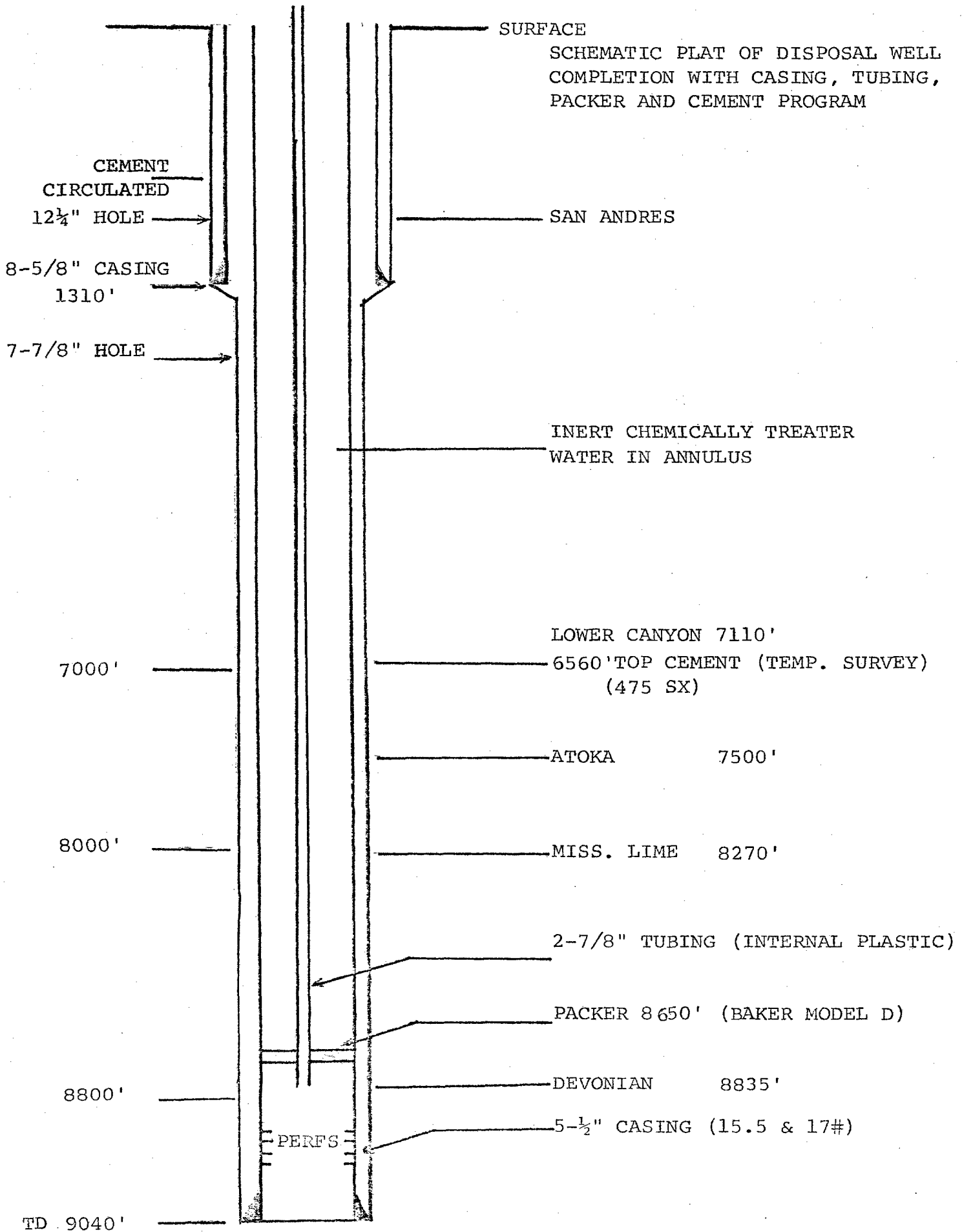
[Signature]
(Date)

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.

ARTESIA



NAVAJO REFINING COMPANY
 BOLTON CU #1 UNIT B 9-17-26
 EDDY COUNTY, NEW MEXICO





REFINING COMPANY

501 EAST MAIN STREET • P. O. DRAWER 159

ARTESIA, NEW MEXICO - 88210

May 9, 1973

Mr. A. L. Porter
Commissioner of Oil and Gas
State Land Office Building
Santa Fe, New Mexico 87501

Dear Sir:

Navajo Refining Company plans to drill a disposal well in the NENW of Section 4-T17S-R26E, approximately two miles north of the City of Artesia. We plan to use the Devonian formation for disposal of H₂S gases and some refinery waste water. The H₂S will be stripped from fuel gases prior to burning in our boilers and furnaces. This will be necessary to meet environmental standards. The refinery waste water will be wastes from certain processes in the refinery which contribute most heavily to the chemicals and biological oxygen demand in our overall waste disposal system. The following is more specific:

Gases

H₂S - 12 mols per hour
CO₂ - relatively small amounts.

These gases will come from an amine scrubbing process.

Liquids and Solids

Rate - estimated at 100 GPM containing the following in parts per million.

Oil and Grease	-	155 ppm
Phenols	-	34 ppm
Fluoride	-	30 ppm
Lead	- less than	100 ppb
Iron	- less than	100 ppb
Copper	- less than	10 ppb
Chromium	- less than	50 ppb
Phosphorus (as P)	-	1 ppm
Sodium Chloride	-	710 ppm
Sulfide	-	164 ppm

Mr. A. L. Porter
Commissioner of Oil and Gas
May 9, 1973

Page Two

Total Dis. Solids	-	2875 ppm
Chemical Oxygen Demand	-	200 ppm
Total Alkalinity	-	200 ppm
Total Hardness	-	700 ppm

This method of disposing of waste appears to be the best economic alternate available to Navajo Refining Company. Other methods are much more costly and could threaten the continued operation of the Artesia refinery.

For the reasons stated, Navajo plans to request permission to dispose of 12 mols per hour of H_2S gases and 100 GPM of waste water into the Devonian formation through this well in Section 4-T17S-R26E, Eddy County, New Mexico. All reasonable safety and control requirements will be followed and your office will be advised before disposal begins.

This preliminary information is being forwarded at the suggestion of A. J. Losee who will contact your office the week of May 14, 1973 concerning the proper procedure to follow in obtaining commission approval for this disposal well.

Very truly yours,



Fred G. Hansen
President

FGH-eh

