

**OIL CONSERVATION COMMISSION**

**P. O. BOX 2088**

**SANTA FE, NEW MEXICO 87501**

**May 16, 1977**

**Dome Petroleum Corporation  
Suite 1500  
Colorado State Bank Building  
1600 Broadway  
Denver, Colorado 80202**

**Re: Administrative Order No. SWD-183**

**Gentlemen:**

**Enclosed herewith please find Administrative Order  
No. SWD-183 for the following described well:**

**Navajo Allotted 15 Well No. 6 located  
in Unit M, Section 15, Township 19  
North, Range 5 West, NMPM, McKinley  
County, New Mexico.**

**Very truly yours,**

**JOE D. RAMEY  
Secretary-Director**

**JDR/cu/og**

**cc: Oil Conservation Commission  
Artesia, Aztec, Hobbs**

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P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

MAY 16, 1977

Oil Conservation Commission  
Suite 1000  
Colorado State Bank Building  
1600 Broadway  
Denver, Colorado 80202

Re: Administrative Order No. 270-190

Enclosure

Enclosed herewith please find Administrative Order  
No. 270-190 for the following described well:

Navajo Allotment 15 Well No. 1 located  
in Unit A, Section 1, Township 19  
North, Range 7 West, NMTN, Montezuma  
County, New Mexico.

Very truly yours,

JOE D. SAWY  
Secretary-Director

DDK/WH/ps

cc: Oil Conservation Commission  
Attn: Mr. Hobbs

## NEW MEXICO OIL CONSERVATION COMMISSION

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

OPERATOR Dome Petroleum Corp.		ADDRESS 1600 Broadway, Denver, CO 80202	
LEASE NAME Navajo Allotted	WELL NO. 15-6	FIELD Papers Wash	COUNTY McKinley
LOCATION UNIT LETTER <u>M</u> ; WELL IS LOCATED <u>850</u> FEET FROM THE <u>West</u> LINE AND <u>990</u> FEET FROM THE <u>South</u> LINE, SECTION <u>15</u> TOWNSHIP <u>19N</u> RANGE <u>5W</u> NMPM.			

## CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	10-3/4"	225'	200	surface	circulation
INTERMEDIATE					
LONG STRING	7"	5250'	600	Surface	circulation
TUBING	3-1/2"		NAME, MODEL AND DEPTH OF TUBING PACKER Baker Model "FA" @ 2860'		

NAME OF PROPOSED INJECTION FORMATION Gallup		TOP OF FORMATION 2908' (est)	BOTTOM OF FORMATION 3200 (est)
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLE? perforations	PROPOSED INTERVAL(S) OF INJECTION to be determined from logs
IS THIS A NEW WELL DRILLED FOR DISPOSAL? Yes	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 2100'		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 5160'	
ANTICIPATED DAILY INJECTION VOLUME (BBL/S.) 6000	MINIMUM 15000	MAXIMUM Closed	OPEN OR CLOSED TYPE SYSTEM Pressure	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure	APPROX. PRESSURE (PSI) 750
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-disposed wtr.

NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND)

Navajo Allotted - Contract No. N00-C-14-20-5377

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

Mrs. Billie Robinson P. O. Box 2181, Santa Fe, N.M. 87501

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 Yes
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)	PLAT OF AREA Yes	ELECTRICAL LOG no-well not yet drilled	DIAGRAMMATIC SKETCH OF WELL Yes

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

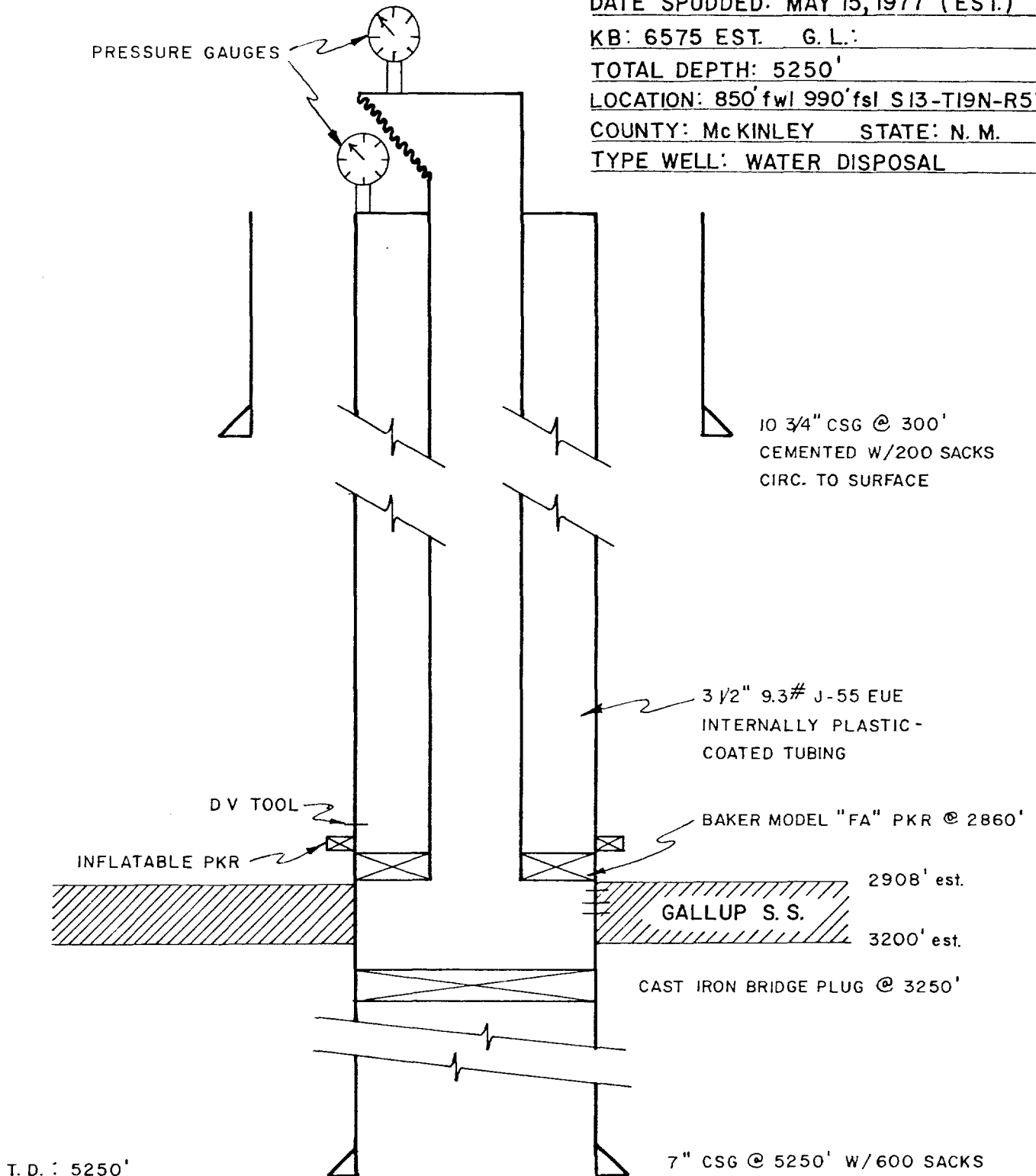
*William S. Schatz, P.E.*  
(Signature)

District Engineer  
(Title)

March 24, 1977  
(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.

FIELD: PAPERS WASH ENTRADA  
 WELL & NO.: NAVAJO ALLOTTED 15-6  
 DATE SPUDDED: MAY 15, 1977 (EST.)  
 KB: 6575 EST. G. L.:  
 TOTAL DEPTH: 5250'  
 LOCATION: 850' fwl 990' fsl S13-T19N-R5W  
 COUNTY: Mc KINLEY STATE: N. M.  
 TYPE WELL: WATER DISPOSAL



NOTE: AN INFLATABLE PKR WILL BE SET OUTSIDE THE 7" CSG ABOVE THE GALLUP TO KEEP THE HYDROSTATIC OF THE SECOND CEMENT STAGE OFF THE GALLUP AND ASSURE ADEQUATE CEMENT UPHOLE.

DOME PETROLEUM CORP.

WELL BORE SCHEMATIC

SCALE : NONE

DRAWN BY: WEB CHECKED BY:



**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*  
**DALLAS, TEXAS**  
**WATER ANALYSIS**

File WA-5

Company Dome Petroleum Corp. Well Name Fed. 15 Well No. 1 Sample No. SS-1  
Formation \_\_\_\_\_ Depth \_\_\_\_\_ Sampled From \_\_\_\_\_  
Location Sec 15 T 19 N R 5W Field \_\_\_\_\_ County McKinley State N.M.  
Date Sampled 3-8-77 Date Analyzed 3-13-77 Engineer RGC

Total Dissolved Solids 3010.1 mg/L

Sp. Gr. 1.001 @ 70 °F.

Resistivity 2.55 ohm-meters @ 70 °F.

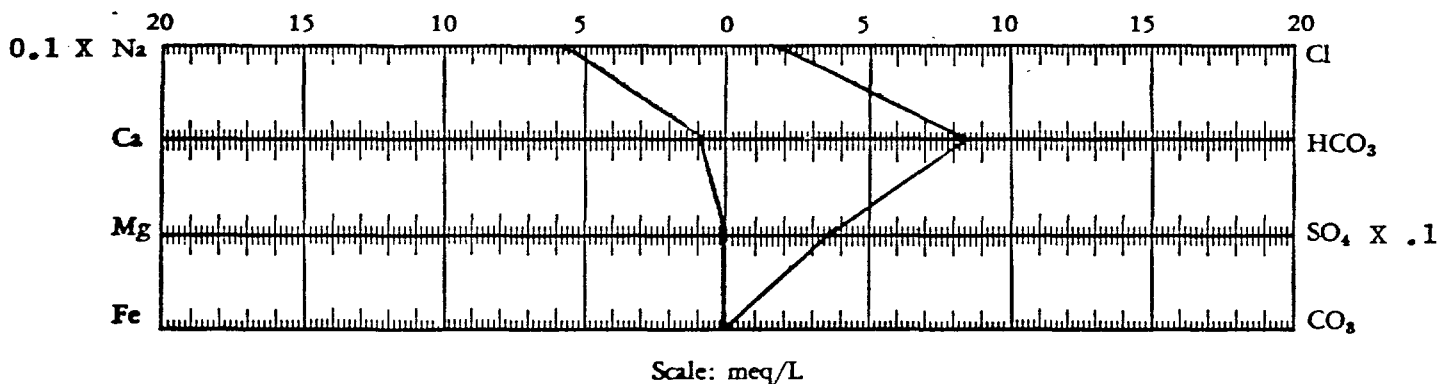
Hydrogen Sulfide Not Detected

pH 7.60

Constituents	meq/L	mg/L
Sodium	<u>44.36</u>	<u>1019.8</u>
Calcium	<u>0.80</u>	<u>16.0</u>
Magnesium	<u>0.16</u>	<u>2.0</u>
Iron	<u>0.05</u>	<u>1.3</u>
Barium	<u>N.D.</u>	<u>N.D.</u>

Constituents	meq/L	mg/L
Chloride	<u>0.84</u>	<u>29.9</u>
Bicarbonate	<u>8.31</u>	<u>506.9</u>
Sulfate	<u>36.22</u>	<u>1740.0</u>
Carbonate	<u>N.D.*</u>	<u>N.D.</u>
Hydroxide	<u>N.D.</u>	<u>N.D.</u>

\* ND = Less than 0.1 mg/L



All analyses except iron determination performed on a filtered sample.

## MERRION OIL &amp; GAS CORPORATION

610 REILLY AVE. • P. O. Box 840  
FARMINGTON, NEW MEXICO 87499RECEIVED  
'90 MAR 5 AM 9 48

February 27, 1990

File SWD-183

Mr. Ron Van Wyk (6W-S)  
U.S. Environmental Protection Agency  
Region 6  
1445 Ross Avenue  
Dallas, Texas 75202-2733

RE: UIC Injection Permit  
Navajo Allotted 15-6  
Papers Wash Field  
Section 15, T19N, R5W  
McKinley County, New Mexico

Dear Mr. Van Wyk:

The subject salt water disposal well has been an active injector since 1978 under New Mexico State Order No. SWD-183. We were never informed that the Navajo Allotted 15-6 was transferred to EPA jurisdiction in 1988, and thus, never submitted the appropriate paperwork. We have recently become aware that the well falls under EPA regulations. Therefore, we are submitting the UIC inventory form at this time.

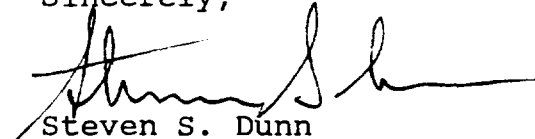
Attached for your review are the following documents:

- 1) EPA Inventory Form
- 2) Papers Wash Field Well Location Map
- 3) Wellbore Schematic
- 4) Water Analysis of Injection Water
- 5) Sundry Notice for Surface Casing Cement Job
- 6) Sundry Notice for Primary Casing Cement Job
- 7) Sundry Notice to Squeeze Entrada and Perf Gallup
- 8) Well Completion Report
- 9) Sundry Notice of Initiation of Injection
- 10) State Water Disposal Permit
- 11) Original BLM NTL-2B Application
- 12) Supplemental NTL-2B Application

Mr. Ron Wyk  
Page Two  
February 27, 1990

If you need additional information, please contact George Sharpe at (505) 327-9801. Please indicate your approval to continue injection operations by signing and returning a copy of this letter.

Sincerely,



Steven S. Dunn  
Operations Manager

GFS/eg

CC: with attachments  
Ilyse Gold, BLM, Farmington, NM  
EPA Permit File  
without attachments -  
✓ David Catanach, NMOCD, Santa Fe, NM  
Pat Hegarty  
Well File

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Approved

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Title

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Date