



E. C. GENT
VICE PRESIDENT

DOME PETROLEUM CORP.

SUITE 1500, COLORADO STATE BANK BLDG.

1600 BROADWAY
DENVER, COLORADO 80202

TELEPHONE
(303) 861-1230

April 25, 1977

Mr. Joe D. Ramey
Secretary-Director
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Application for Saltwater Disposal
Papers Wash Entrada Pool
Section 15, T19N, R5W
McKinley County, New Mexico

Gentlemen:

Dome Petroleum Corp., the operator of all of the currently producing wells in the Papers Wash Entrada Pool, respectfully submits this Application to Dispose of Saltwater by Injection Into a Porous Formation for Administrative Approval. In support of this application are the following required data:

1. A plat of Township 19 North, Range 5 West showing all wells drilled to date, their status and the various lease ownerships. Important factors to note here are a) five producing Entrada wells (15-1 thru 15-4 and 22A-1) and b) the absence of any presently producing wells other than the aforementioned in the Township.
2. A diagrammatic sketch of the well to be drilled for saltwater disposal. The important factor of note here is the Navajo Allotted 15-6 is to be drilled and cased thru the Entrada Formation. Any tests on the Entrada will be adequately squeezed thru a cement retainer. In addition, Dome plans to cement in two stages utilizing an inflatable packer and a "DV" tool to insure adequate cement to surface over the length of the pipe. This technique was successfully employed on the Navajo Allotted 15-3, 15-4, and 22A-1, cement being circulated to the surface in all cases.
3. A copy of a Water Analysis performed on produced water from the Federal 15-1. This analysis indicates the water to have a total dissolved solids content of 3010 parts per million.

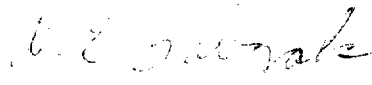
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4. A copy of Form C-108 detailing significant well data, offset operations, and information distribution.

Per instructions, three copies of this application are enclosed. In addition, by copy of this letter, the New Mexico State Engineer, the Navajo Tribe (surface owner), and the offset operators within one-half mile are being notified of this application.

It is Dome's understanding that the Secretary-Director, upon receiving no objection within fifteen (15) days of this application, can give Administrative Approval. We hope the Application is in order and appreciate your cooperation in this matter.

Yours very truly,


W. E. Babyak
District Engineer

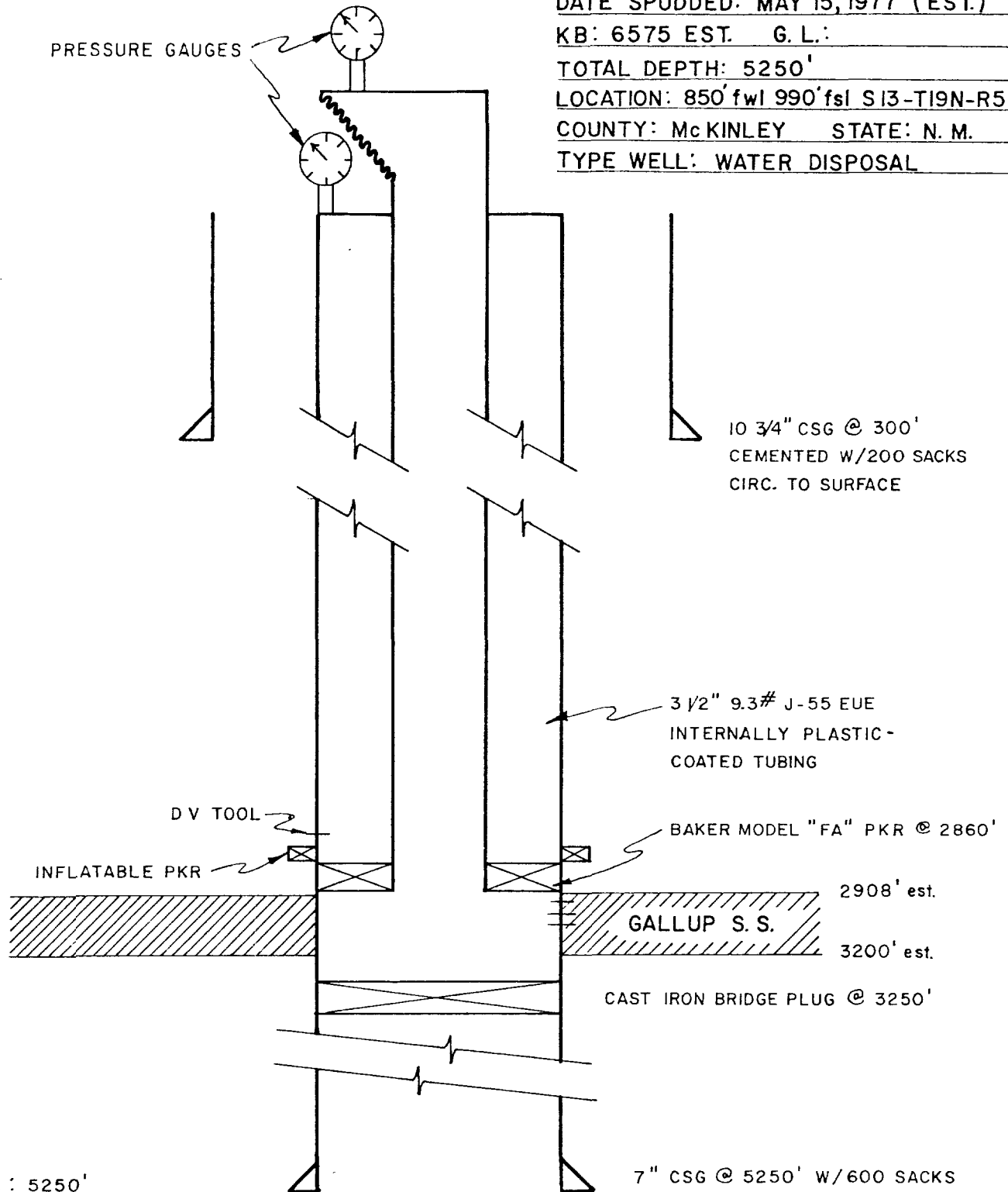
WEB:km

cc: Mrs. Billie Robinson
P. O. Box 1281
Santa Fe, New Mexico 87501

New Mexico State Engineer
State Land Office Building
P. O. Box 2088
Santa Fe, New Mexico 87501

Navajo Tribe
Office of Mineral Development
P. O. Box 146
Window Rock, Arizona 86515
Attn: W. B. Armstrong

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: MCKINLEY 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.

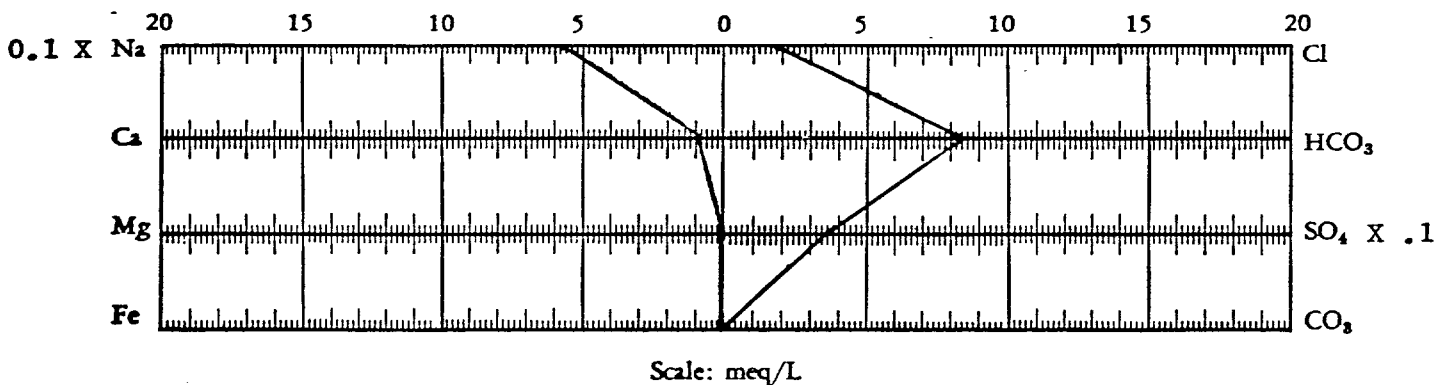
Hydrogen Sulfide Not Detected

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.

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE

OIL CONSERVATION COMMISSION
Circles DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE May 2, 1977

RE: Proposed MC _____
Proposed DHC _____
Proposed NSL _____
Proposed SWD ☒ _____
Proposed WFX _____
Proposed PMX _____

Carl H. Vogt

Gentlemen:

I have examined the application dated 4-25-77
for the Domin Petroleum Corp. Navajo Allotted 15 #6 M-15-19N-SW
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve

Yours very truly,

AK Kendrick