

OIL CONSERVATION COMMISSION
Butte DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE June 18, 1976

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

Carl Ulvog

Gentlemen:

I have examined the application dated 6-14-76
for the El Paso Natural Gas Co. Parker Pool Dome #1 M-11-32N-14W
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

*They plan to plug the well below 5484'
and to squeeze top into the 9 7/8" outside
the 7" casing.*

Approved

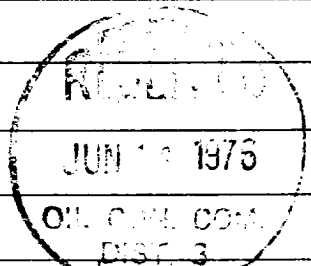
Yours very truly,

AR Kendrick

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

OPERATOR El Paso Natural Gas Company		ADDRESS P. O. Box 990, Farmington, N.M. 87401	
LEASE NAME Ute	WELL NO. 1	FIELD Barker Creek Dome	COUNTY San Juan
LOCATION UNIT LETTER <u>M</u> ; WELL IS LOCATED <u>560'</u> FEET FROM THE <u>south</u> LINE AND <u>315'</u> FEET FROM THE <u>W</u> LINE, SECTION <u>11</u> TOWNSHIP <u>32N</u> RANGE <u>14W</u> NMPM.			

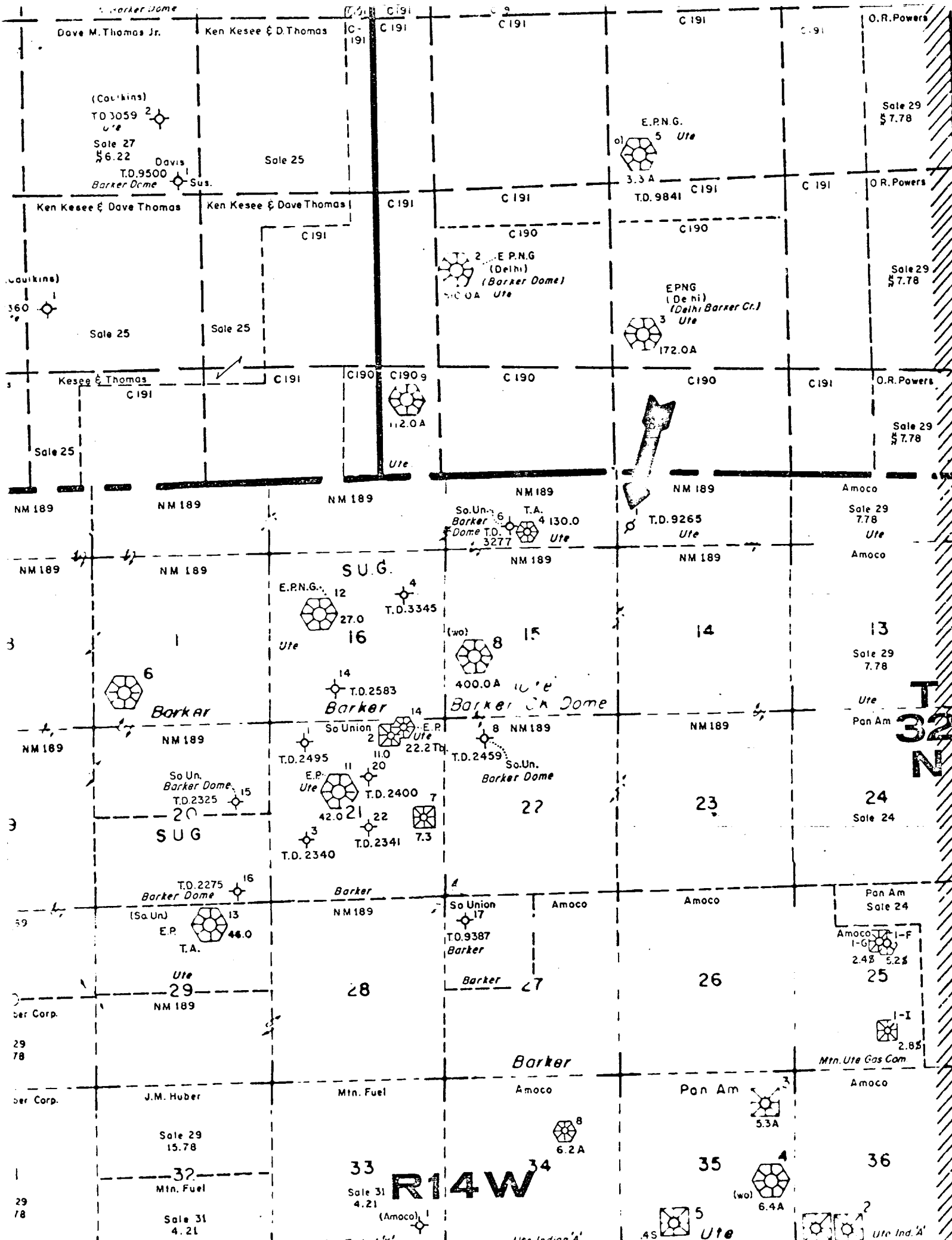
CASING AND TUBING DATA

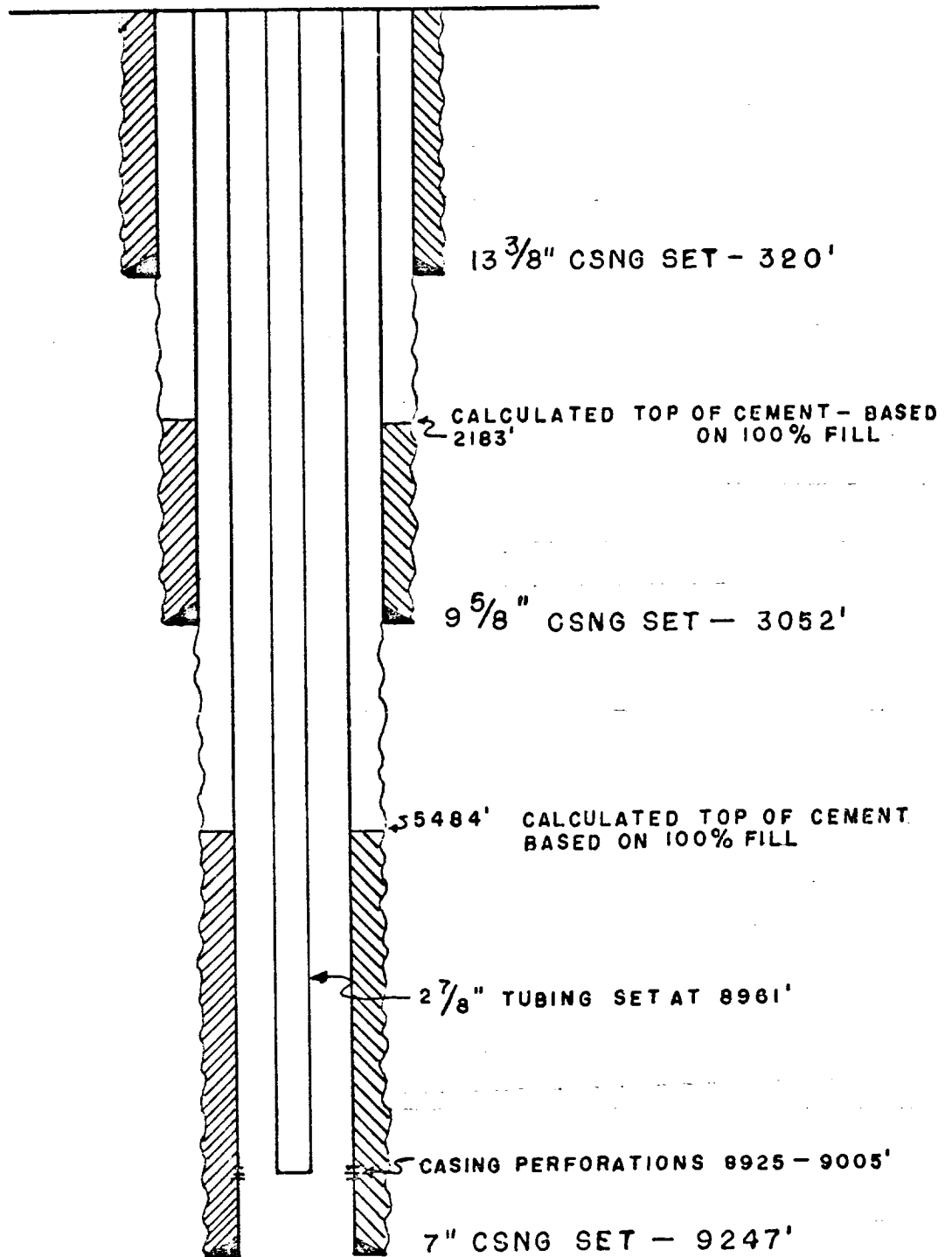
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	13 5/8	320	200	Circ.	
INTERMEDIATE	9 5/8	3052	200	2183	Calculated 100% fill
LONG STRING	7	9247	365	5484	Calculated 100% fill
TUBING	2 1/2	8961	NAME, MODEL AND DEPTH OF TUBING PACKER Baker Model D set @ 3700'		
NAME OF PROPOSED INJECTION FORMATION (1) Entrada & (2) Bluff sandstone			TOP OF FORMATION (1) 4035 (2) 3765		BOTTOM OF FORMATION (1) 4152 (2) 3970
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLE? perforations	PROPOSED INTERVAL(S) OF INJECTION 3765-3970 & 4035-4152		
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No		IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Gas well		HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? yes 8925-9005	
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH Squeezed section 6092-6212' w/150 sxs cement & 8925-9005 to be squeezed w/100 sxs cement					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 860'		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA 3065		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA 8925	
ANTICIPATED DAILY INJECTION VOLUME (BBLs.)	MINIMUM 400	MAXIMUM 500	OPEN OR CLOSED TYPE SYSTEM Closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? gravity	APPROX. PRESSURE (PSI) gravity
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) Ute Mountain Tribal Lands #1-22-IND 2777 Towaoc, Colorado 81334					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL None					
<div style="text-align: center;">  </div>					
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?		SURFACE OWNER Yes		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL None	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)		PLAT OF AREA Yes		ELECTRICAL LOG Yes	
				THE NEW MEXICO STATE ENGINEER 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.

Robert M. Smith Production Engineer 6/14/76
(Signature) (Title) (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.





PREP.	SEP.	DATE	TO	W.O.

ENG. REC.	DATE
DRAWN	
CHECKED	
CHECKED	
PROJ. APP.	
DESIGN	

El Paso Natural Gas Company
 SCHEMATIC DRAWING — UTE N° 1
 SW/4 SEC. 11, TNSP 32 N, RNGE 14 W
 SAN JUAN COUNTY, NEW MEXICO

SCALE: NONE

DWG.
NO

REV.
AMS

ANS

EL PASO NATURAL GAS COMPANY
SAN JUAN DIVISION
FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSIS

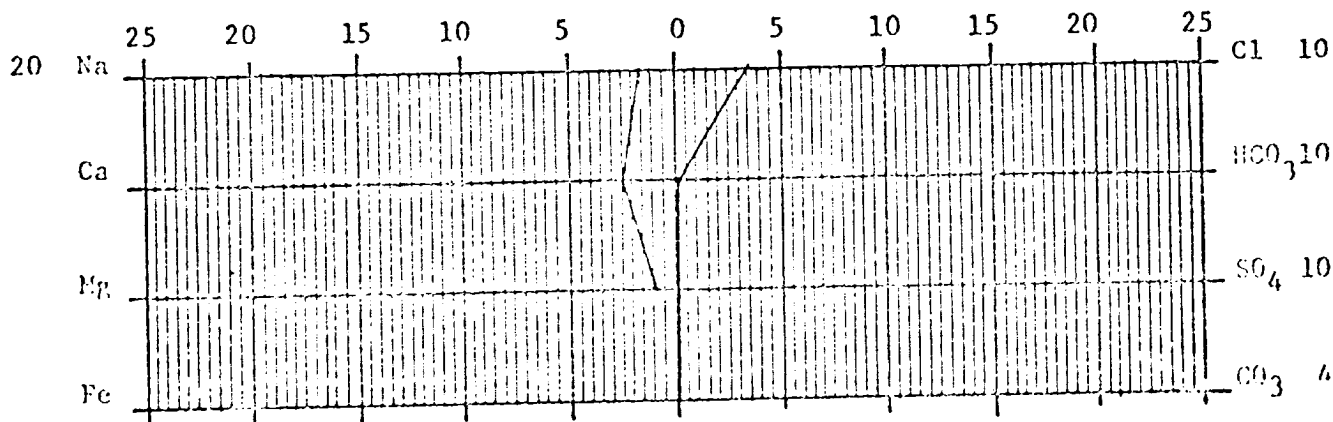
Analysis No. 1-8619 Date January 28, 1976
Operator EPNG Well Name Ute #9
Location A 9-32-14 County _____ State New Mexico
Field _____ Formation Paradox
Sampled From Separator
Date Sampled 1-12-76 by G.S.
Tubing Pressure _____ Casing Pressure _____ Surface casing pressure _____

ppm	epm	ppm	epm
Sodium <u>750</u>	<u>33</u>	Chloride <u>1250</u>	<u>35</u>
Calcium <u>50</u>	<u>2.5</u>	Bicarbonate <u>40</u>	<u>.6</u>
Magnesium <u>10</u>	<u>.8</u>	Sulfate <u>0</u>	<u>0</u>
Iron <u>Present</u>	_____	Carbonate <u>0</u>	<u>0</u>
H ₂ S <u>Present</u>	_____	Hydroxide <u>0</u>	<u>0</u>

cc: R L Ahrens Bill Welsh
Art Smith
J. W. McCarthy
R. A. Ullrich
D. C. Adams
J. E. Ashworth
file

Total Solids 2502
Dissolved
pH 6.1
Sp. Gr. 1.0030 at 60°F
Resistivity 240 ohm-cm at 74 °F

John R. Hagen
CHEMIST



Scale: epm

EL PASO NATURAL GAS COMPANY
SAN JUAN DIVISION
FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSIS

Analysis No. 1-8643 Date March 10, 1976

Operator EPNG Well Name Ute #2

Location NW 15-32-14 County La Plata State

Field Formation Paradox

Sampled From Tubing

Date Sampled 3-4-76 by Art Smith

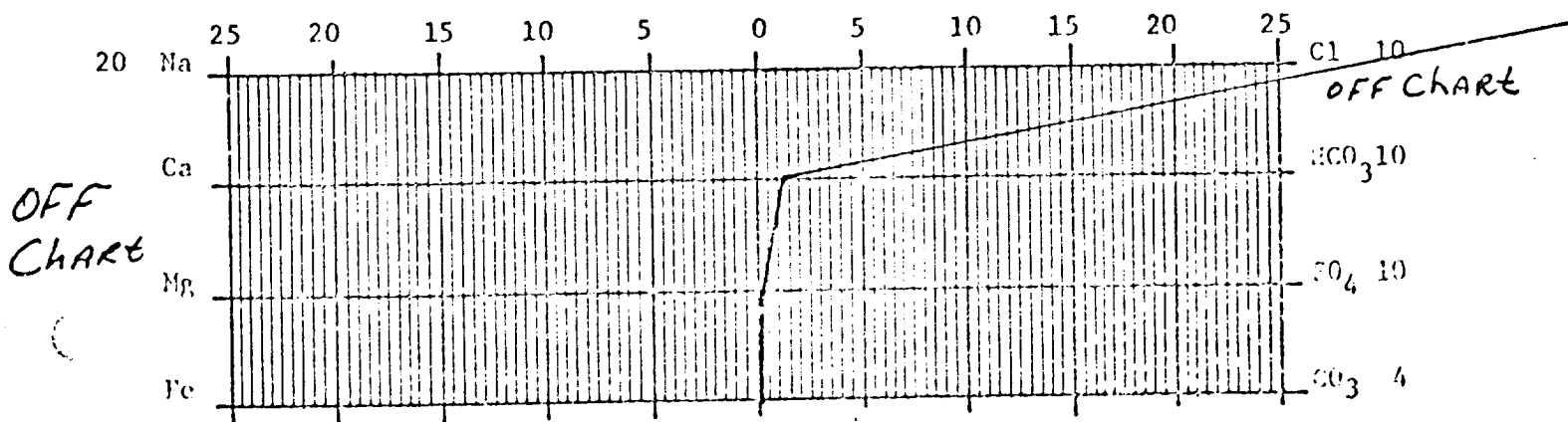
Tubing Pressure Casing Pressure Surface casing pressure

	ppm	epm		ppm	epm
Sodium	<u>19300</u>	<u>840</u>	Chloride	<u>34260</u>	<u>965</u>
Calcium	<u>2040</u>	<u>102</u>	Bicarbonate	<u>755</u>	<u>12.4</u>
Magnesium	<u>445</u>	<u>37</u>	Sulfate	<u>30</u>	<u>0.6</u>
Iron	<u>Present</u>	<u></u>	Carbonate	<u>0</u>	<u>0</u>
H ₂ S	<u>Present</u>	<u></u>	Hydroxide	<u>0</u>	<u>0</u>

cc: R L Ahrens
Art Smith
J. W. McCarthy
R. A. Ullrich
D. C. Adams
J. E. Ashworth
file

Total Solids 59558
Dissolved
pH 7.0
Sp. Gr. 1.0414 at 60°F
Resistivity 14 ohm-cm at 74 °F

John R. Hager
CHEMIST



Scale: epm

