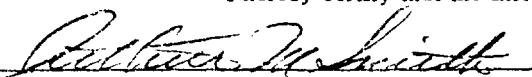


NEW MEXICO OIL CONSERVATION COMMISSION

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 M ; WELL IS LOCATED 560' FEET FROM THE south LINE AND 315' FEET FROM THE LINE, SECTION 11 TOWNSHIP 32N RANGE 14W NMPM.			
CASING AND TUBING DATA			
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT
SURFACE CASING	15 5/8	320	200
INTERMEDIATE	9 5/8	3052	200
LONG STRING	7	9247	365
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.) 400	MINIMUM 500	MAXIMUM 500	OPEN OR CLOSED TYPE SYSTEM Closed
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		IS INJECTION TO BE BY GRAVITY OR PRESSURE? gravity	
APPROX. PRESSURE (PSI) gravity		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			
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING? Yes		SURFACE OWNER Yes	
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B) Yes		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL None	
		THE NEW MEXICO STATE ENGINEER Yes	
		ELECTRICAL LOG Yes	
		DIAGRAMMATIC SKETCH OF WELL Yes	

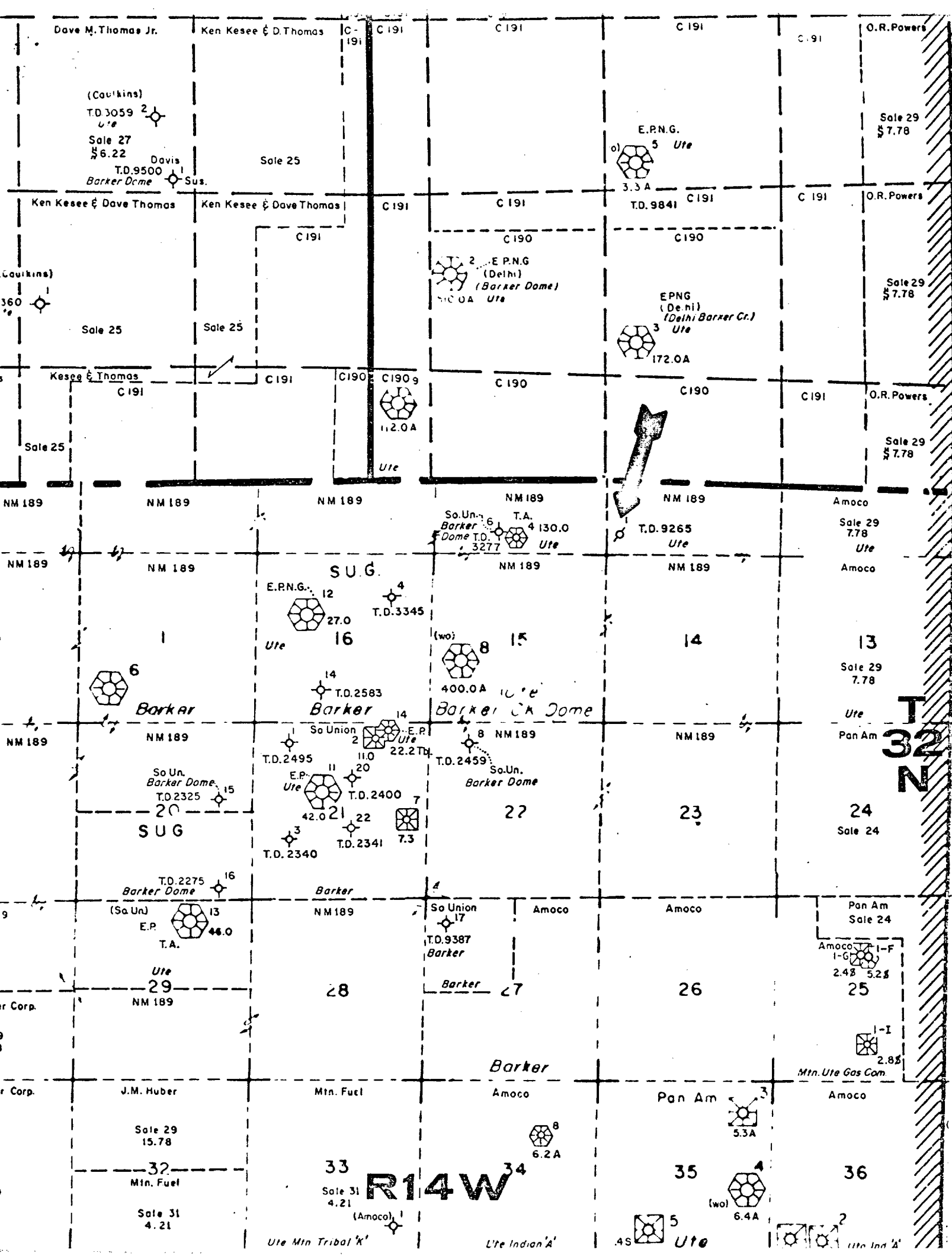
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

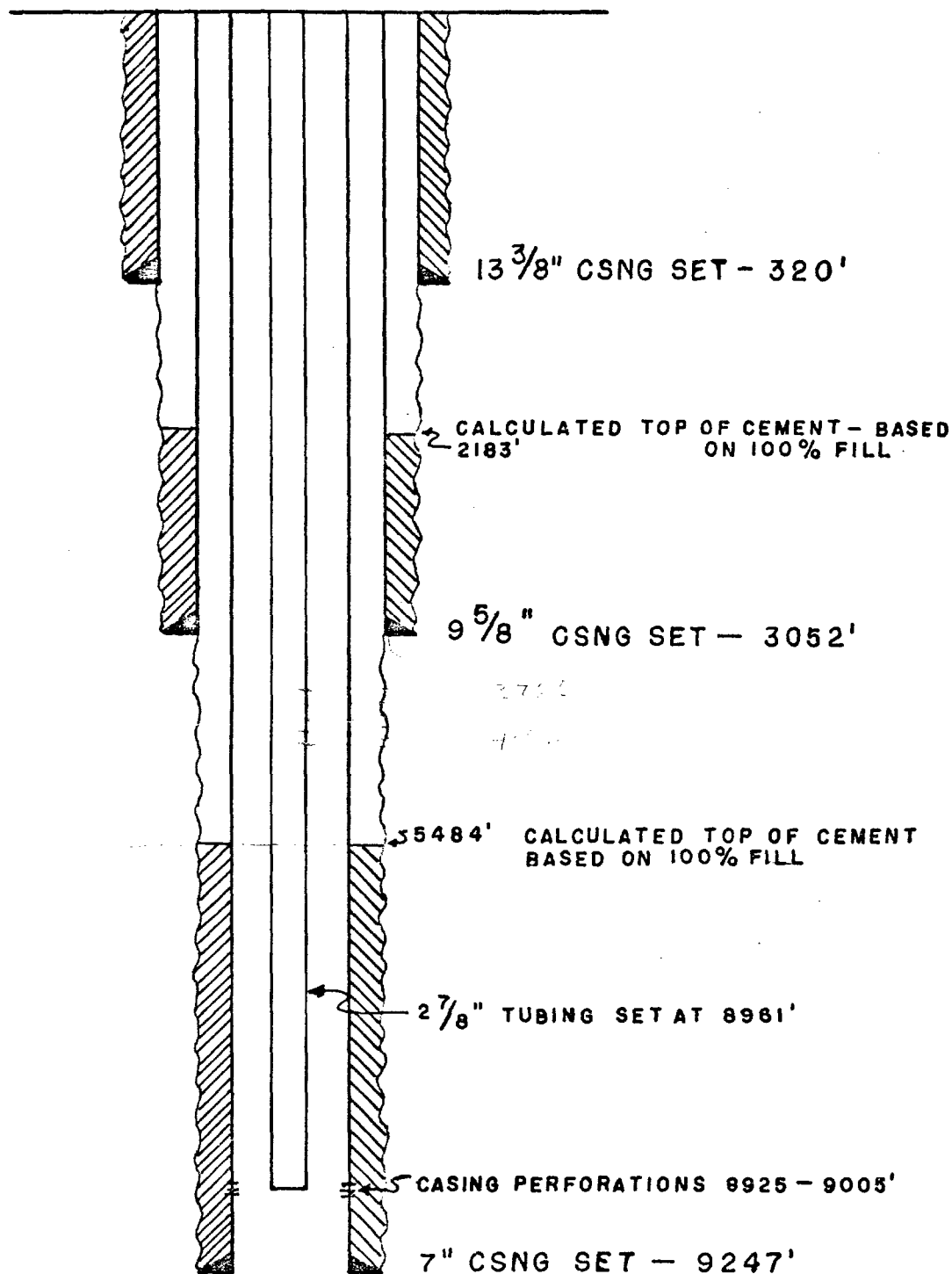

(Signature)

Production Engineer
(Title)

6/14/76
(Date)

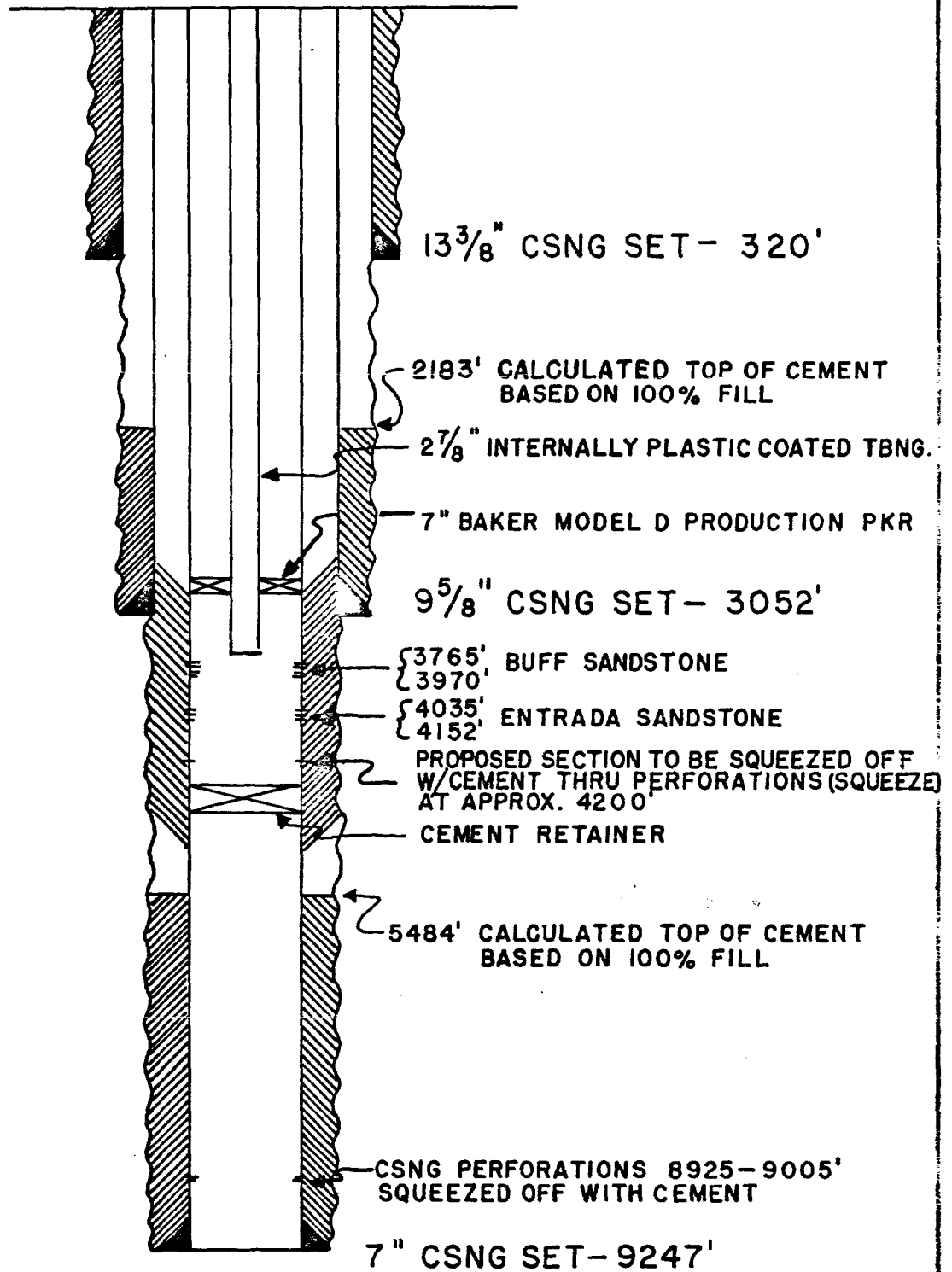
NOTE: Should waivers from the State Engineer, the surface owner, and all operators within one-half mile of the proposed injection well, not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's 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.





				ENG. REC.	DATE	El Paso Natural Gas Company SCHEMATIC DRAWING — UTE N° 1 SW/4 SEC. 11, TNSP 32N, RNGE 14 W SAN JUAN COUNTY, NEW MEXICO	
				DRAWN			
				CHECKED			
				CHECKED			
				PROJ. APP.			
11. SEP.	DATE	TO	W.O.	DESIGN		SCALE NONE	DWG. NO
PRINT RECORD				W.O.			REV.

RECEIVED
JUL 6 - 1976
OIL CONSERVATION COMMISSION
SANTA FE



REVISED

				ENG. REC.	DATE	El Paso Natural Gas Company PROPOSED DISPOSAL SYSTEM UTE N° 1 SW/4 SEC II, TWNSP 32N, RNGE 14W SAN JUAN COUNTY, NEW MEXICO
				DRAWN		
				CHECKED		
				CHECKED		
				PROJ. APP.		
F.	SEP.	DATE	TO	W.O.	DESIGN	
PRINT RECORD						W.O.
						SCALE: NONE
						DWG. NO.
						REV. AMS

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

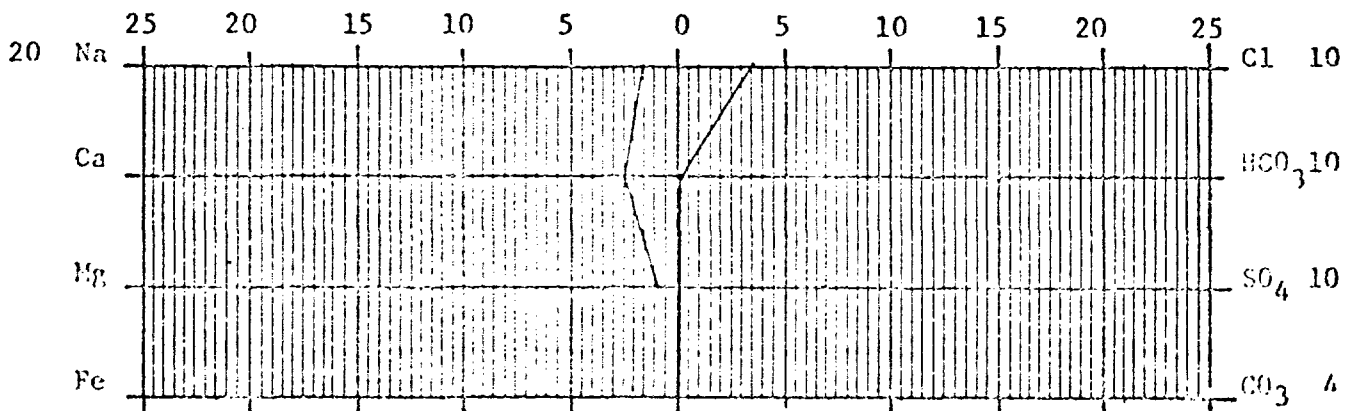
Analysis No. 1-8619 Date January 28, 1976
Operator EPNG Well Name Ute #9
Location A 9-32-14 County _____ State New Mexico
Field _____ Formation Paradox
Sampled From Seperator
Date Sampled 1-12-76 by G.S.
Tubing Pressure _____ Casing Pressure _____ Surface casing pressure _____

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

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

July 6, 1976

El Paso Natural Gas Company
P. O. Box 990
Farmington, New Mexico 87401

Re: Administrative Order SWD-176

Gentlemen:

Enclosed herewith please find Administrative Order SWD-176
for the following described well.

Ute Well No. 1 located in
Unit M of Section 11,
Township 32 North, Range
14 West, San Juan County,
New Mexico.

Very truly yours,

JOE D. RAMEY
Secretary-Director

JDR/CU/oq

cc: Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE NEW MEXICO 87501

July 7, 1976

El Paso Natural Gas Company
P. O. Box 2000
El Paso, New Mexico 88501

Re: Administrative Order 710-175

Enclosed:

Enclosed herewith is a copy of Administrative Order 710-175
for the following description of well:

Well No. 1 located in
Tract 1 of Section 11,
Township 33 North, Range
12 East, San Juan County,
New Mexico.

Very truly yours,

for P. O. Box 2088
Secretary-Director

cc: 710-175

cc: Oil Conservation Commission
2000 Rio Pecos Road
Albuquerque, New Mexico

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

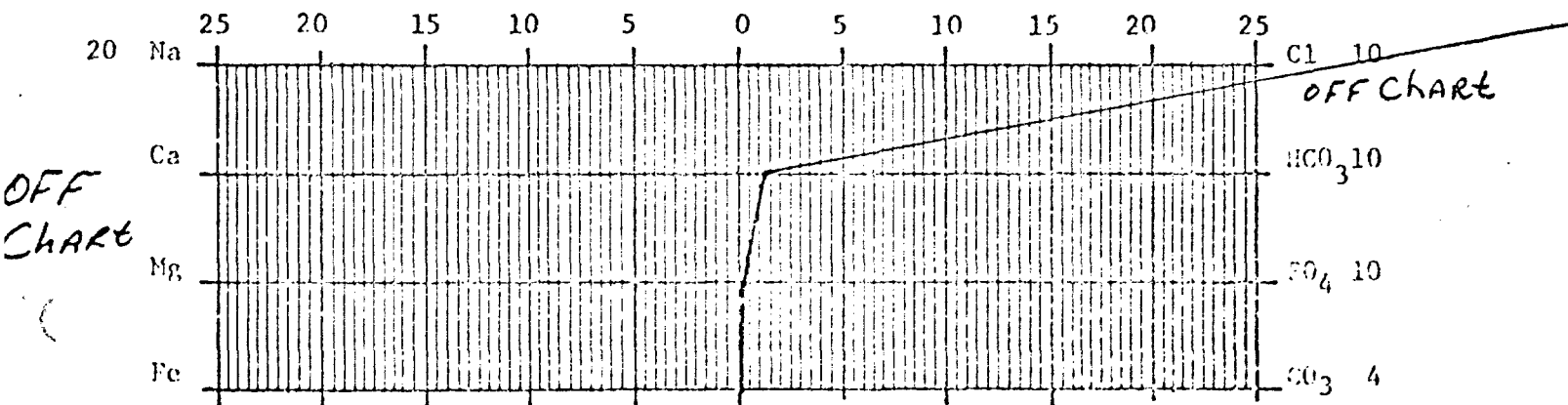
Tubing Pressure Casing Pressure Surface casing pressure

	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>

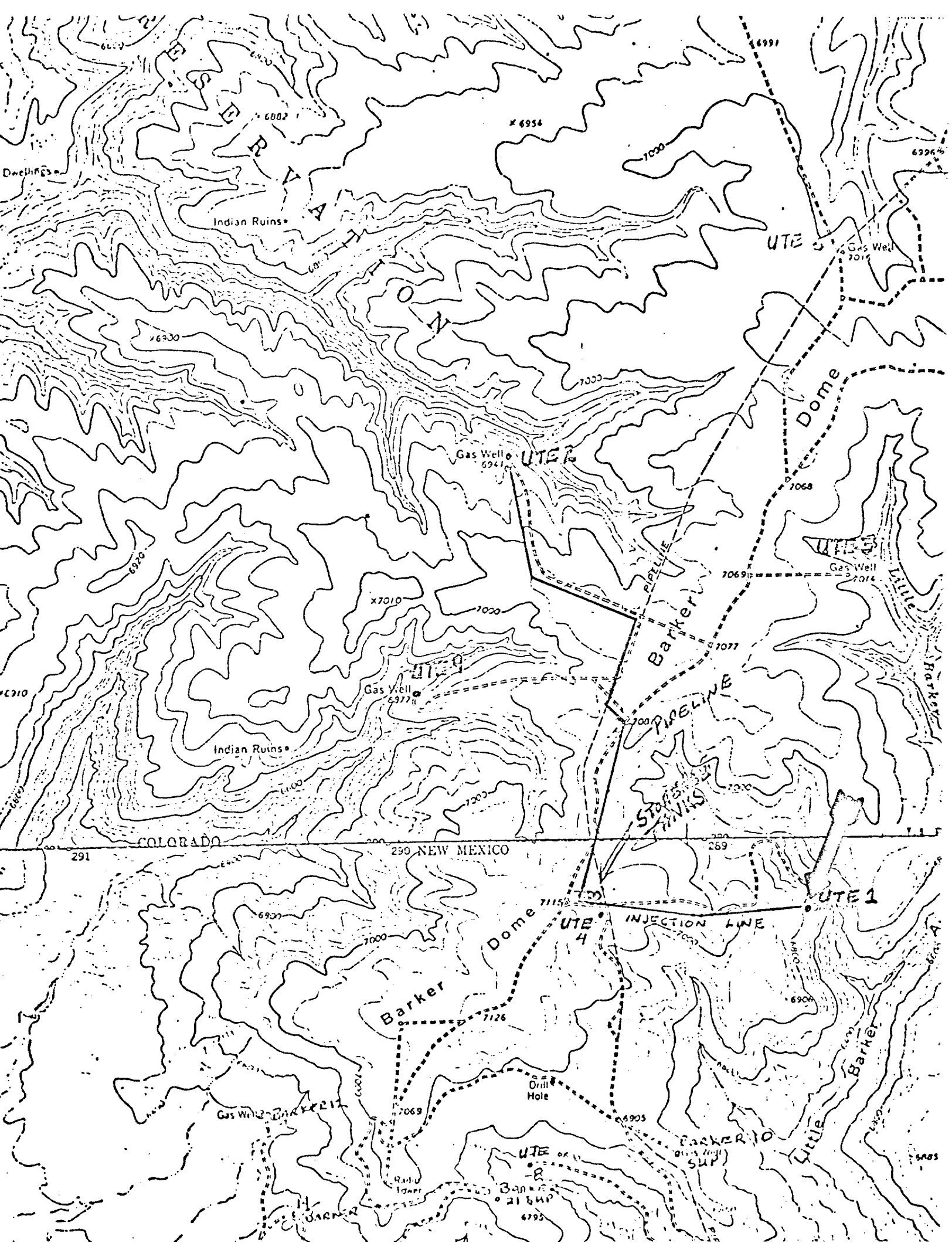
cc: R L Ahrens
Art Smith
J. W. McCarthy
R. A. Ullrich
D. C. Adams
J. E. Ashworth
file

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

John R. Zager
CHEMIST



Scale: epm



OIL CONSERVATION COMMISSION
Alto 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. Barker Creek 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 up into the 9 5/8" outside
the 7" casing.

Approve

Yours very truly,

AR Kendrick