



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

October 30, 1984

TONY ANAYA
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

Yates Petroleum Corporation
207 South 4th Street
Artesia, New Mexico 88210

Re: SWD Injection Permit
City of Artesia CG
No. 1, Unit H, Sec. 23
T-17-S, R-25-E,
Eddy County, N.M.

Gentlemen:

In an effort to update our files regarding Salt Water Disposal Permits, we are requesting some information on the above-mentioned well. Our records show that your company was issued a SWD Injection Permit No. SWD-158 by us on September 5, 1974. Our records also show that since that time, this well has not been used for salt water disposal. Since a great deal of time has passed since your injection permit was granted, we assume that it is no longer your intention to use this well for water disposal purposes.

We are requesting information on the present status of this well, and whether or not your company intends to utilize this well for water disposal purposes at this time or in the near future. We would appreciate a response to this letter within thirty days. If we have not had a written response within that period of time, the injection permit granted by us will be rescinded.

Thank you for your cooperation in this matter.

Sincerely,

DAVID CATANACH
Petroleum Engineer

DC/dr

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE NEW MEXICO 87501

September 9, 1974

C
O
P
Y

Yates Petroleum Corporation
207 South 4th Street
Artesia, New Mexico 88210

Gentlemen:

Enclosed herewith please find the following Administrative Orders:

Administrative Order No. SWD-158
City of Artesia CG Well No. 1 located
in Unit H of Section 23, Township 17
South, Range 25 East, NMPM, Eddy
County, New Mexico;

Administrative Order No. SWD-159
Federal LDY Well No. 3 located
in Unit F of Section 27, Township
17 South, Range 25 East, Eddy County;

Administrative Order No. SWD-160
Gissler "AV" Well No. 6 located in
Unit G of Section 23, Township 17
South, Range 25 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 Yates Petroleum Corporation		ADDRESS 207 South 4th Street-Artesia, NM 88210	
LEASE NAME City of Artesia "CG"	WELL NO. 1	FIELD Eagle Creek (S.A.)	COUNTY Eddy
LOCATION UNIT LETTER H ; WELL IS LOCATED 330 FEET FROM THE East LINE AND 2310 FEET FROM THE North LINE, SECTION 23 TOWNSHIP 17S RANGE 25E NMPM.			

CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	10-3/4"	524'	200	Surface	Circulated
INTERMEDIATE	7"	1184'	475	Surface	Circulated
LONG STRING	4½&5½"	1499'	125	Surface	Circulated
TUBING	2-3/8"	1270'	NAME, MODEL AND DEPTH OF TUBING PACKER Baker Tension Packer at 1270'		
NAME OF PROPOSED INJECTION FORMATION San Andres (Slaughter)			TOP OF FORMATION 1258'	BOTTOM OF FORMATION 1499' TD	
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLE? Perforations	PROPOSED INTERVAL(S) OF INJECTION 1344-1462'		
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Oil Producer			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 1344-1461½ w/23 holes, none squeezed					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 1084		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA 1150		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA NP	
ANTICIPATED DAILY INJECTION VOLUME (BBLs.) 25	MINIMUM 125	MAXIMUM 125	OPEN OR CLOSED TYPE SYSTEM Closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure	APPROX. PRESSURE (Psi) 600 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 - Yes			WATER TO BE DISPOSED OF Yes	NATURAL WATER IN DISPOSAL ZONE Yes	ARE WATER ANALYSES ATTACHED? No
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) City of Artesia - Drawer 1309 - Artesia, New Mexico 88210					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (½) MILE OF THIS INJECTION WELL Yates Petroleum Corporation is sole Operator within 1/2 mile radius					
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?		SURFACE OWNER Yes		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL N.A.	
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.

Eddie M. Inalif
(Signature)

Petroleum Engineer
(Title)

August 30, 1974
(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.

DIAGRAMMATIC SKETCH OF PROPOSED DISPOSAL WELL

YATES PET. CORP.
City of Artesia "CG" #1
2310' FNL, 330' FEL
Sec. 23-T.17S.-R.26 E.
EAGLE CREEK (S.A.)
Eddy County, N.M.

Elev. 3479 GL

SPUDDED: 10-24-71

TD: 10-27-71

COMPL.: 12-25-71

IP: 15 BOPD +
17 BLW

Top of San Andres
@ 762

Base of Artesian Zone
@ 1084'

Top of Slaughter Zone @ 1258'

Dolomite w/ intxl & vuggy
porosity, spty yel flour &
oil staining

Perf'd.:
1457 1/2, 1449 1/2, 1447, 1442, 1430, 1415,
1403, 1393 1/2, 1368 1/2, 1360, 1344,
1461 1/2, 1451 1/2, 1444, 1440, 1433,
1427 1/2, 1419, 1410 1/2, 1395, 1384 1/2,
1363 and 1351; Sand Frac'd w/
3000 gal. 15% acid; 30,000# 20-40
sand; 25,000# 10-20 sand and
80,000 gals. treated water

6 1/4" hole to 1499', ran 485' 11#
4 1/2" J-SS csg., 998' of 5 1/2" 14#
J-SS csg. swage & shoe set at
1499' w/125 sx Incor. Neat 2%
CaCl

TD 1499'

PRESS GAUGE

VALVE

METER

INPUT

WING VALVE w/PRESSURE GAUGE

all csg. cmt'd to surface

13 3/4" hole to 524' KB w/511' of
10 3/4" 32# J-SS csg. set at
524' w/200 sx. Incor. Neat
4% CaCl, cement circulated

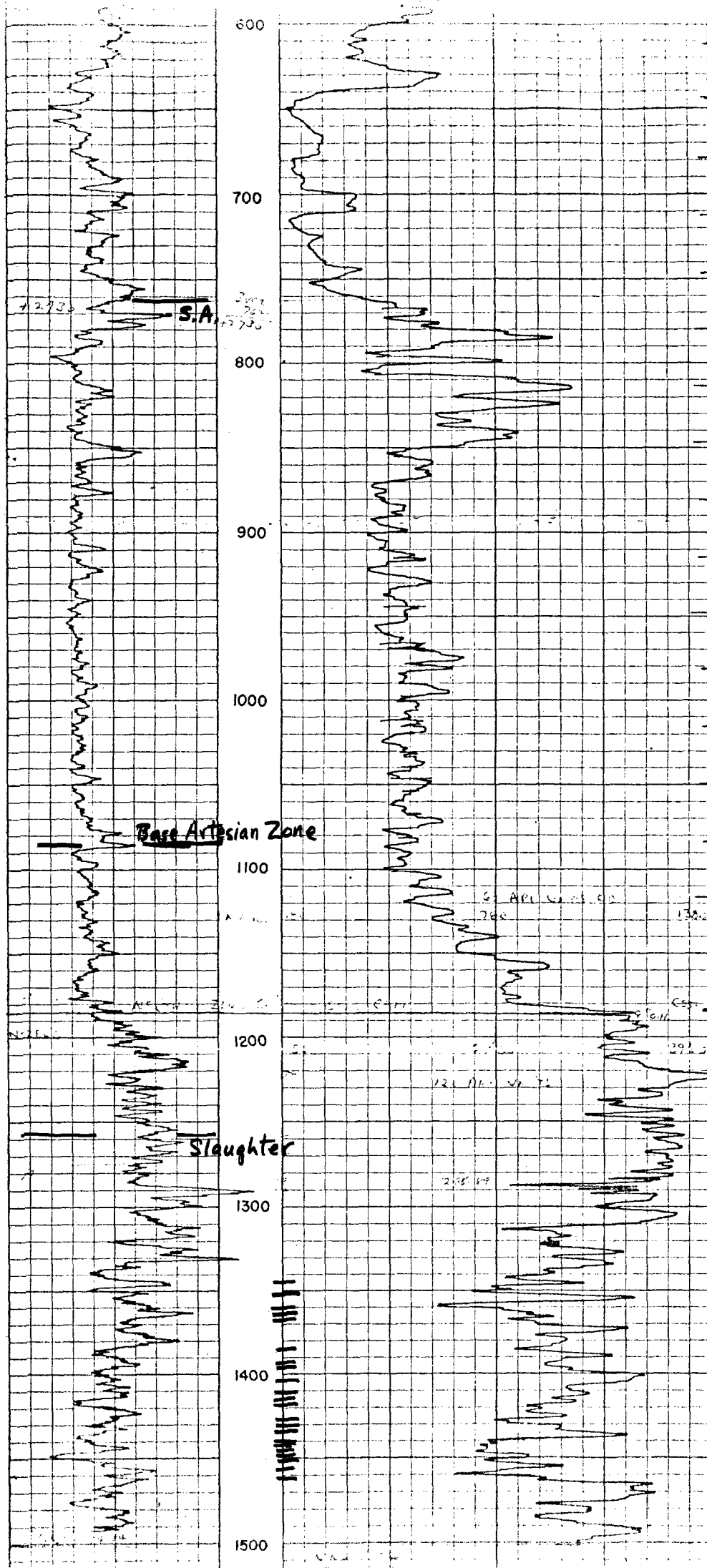
PROPOSED:

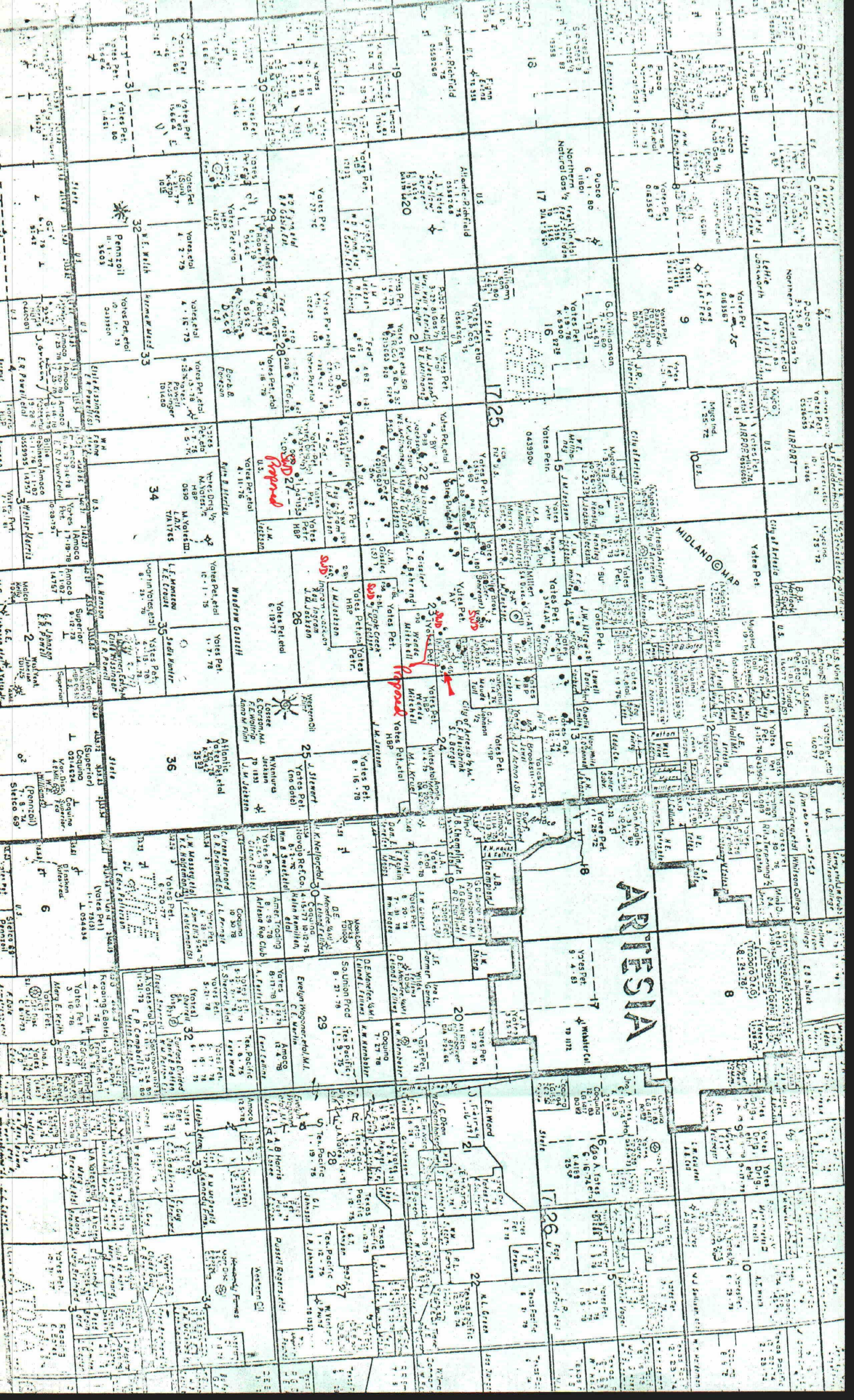
2 3/8" Fiberglass Tubing, on Baker
Tension Packer @ approx. 1270'
w/Inhibited fresh water in
annulus, wing valve open with
pressure gauge.

9 5/8" hole to 1184' KB, w/1168'
of 7" 23# J-SS csg. set at
1181' w/475 sx Class 'C' Cement
& 4 yds. ready-mix, cement circ.

445
998
1443

YATES PET. CORP.
City of Artesia "CG" #1
2310' FNL, 330' FEL
Sec. 23-T. 17S.-R. 26E.
EAGLE CREEK (S.A.)
Eddy County, N. M.







YATES BUILDING - 207 SOUTH 4TH ST.
ARTESIA, NEW MEXICO - 88210

August 30, 1974

S. P. YATES
PRESIDENT
MARTIN YATES, III
VICE PRESIDENT
JOHN A. YATES
VICE PRESIDENT
B. W. HARPER
SEC. - TREAS.

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

Dear Mr. Porter:

Administrative Approval is asked for permission to convert three additional wells in the Eagle Creek (San Andres) Field, as provided for by OCC Order No. R-4787 Case No. 5238 dated May 21, 1974.

We are continuing to drill and develop the Eagle Creek Field. We are in the process of converting two producers to salt water disposal as approved previously, but believe that additional wells will be needed with the extended drilling program.

Two proposed additional wells, the Gissler "AV" No. 6 and the City of Artesia "CG" No. 1 are low volume producers located near existing separation and disposal facilities. The third well is the Federal LDY No. 3 which is temporarily abandoned on account of very low productivity, but could be utilized as a low volume disposal well.

Thank You!

Yours truly,

YATES PETROLEUM CORPORATION


Eddie M. Mahfood
Petroleum Engineer

EMM:ct

CC: City of Artesia New Mexico
J. W. Gissler
State Engineer, R. E. Reynolds