



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

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

May 8, 1975

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

RE: Salt Water Disposal Well,
Eagle Creek

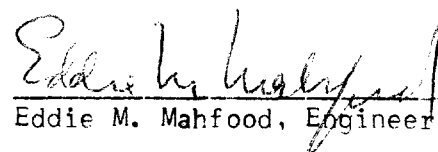
Dear Sir:

Yates Petroleum Corporation seeks administrative approval to convert its City of Artesia "CG" #2 well to a disposal well as provided for under OCC Order No. R-4787 Case 5238, Provision (4). Please note that the City of Artesia "CG" #1 well was approved for conversion to disposal in Order No. SWD-158 on September 3, 1974. Both wells are in the same 40-acre tract (Unit H Section 23-T17S-R25E) and same producing zones.

Well performance indicate that "CG" #2 will be more desirable for conversion and we would ask that the #2 well be substituted for the #1 well in the SWD-158. Thank you.

Yours very truly,

YATES PETROLEUM CORPORATION


Eddie M. Mahfood, Engineer

EMM/pt

NEW MEXICO OIL CONSERVATION COMMISSION

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

OPERATOR Yates Petroleum Corporation			ADDRESS 207 So. 4th St., Artesia, New Mexico 88210		
LEASE NAME City of Artesia "CG"		WELL NO. 2	FIELD Eagle Creek (S.A.)		COUNTY Eddy
LOCATION UNIT LETTER H ; WELL IS LOCATED 1650 FEET FROM THE North LINE AND 990 FEET FROM THE East 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	239	125	surface	circulated
INTERMEDIATE	7	1210	450	surface	circulated
LONG STRING	4 1/2 & 5 1/2	1484	125	surface	circulated
TUBING	2 3/8	Approx 1250	NAME, MODEL AND DEPTH OF TUBING PACKER Guiberson Tension Packer @ 1250'		
NAME OF PROPOSED INJECTION FORMATION Slaughter			TOP OF FORMATION 1249		BOTTOM OF FORMATION 1495
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLE? Perforations	PROPOSED INTERVAL(S) OF INJECTION 1311-1464		
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					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 1		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA 1352		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA Not penetrated	
ANTICIPATED DAILY INJECTION VOLUME (BBLs.) 100	MINIMUM 250	MAXIMUM closed	OPEN OR CLOSED TYPE SYSTEM Pressure	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure	APPROX. PRESSURE (PSI) 700
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? no	
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) City of Artesia					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL Yates Petroleum 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. Luey
(Signature)

Engineer

(Title)

May 8, 1975

(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.

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DIAGRAMMATIC SKETCH OF PROPOSED DISPOSAL WELL

YATES PET. CORP.
City of Artesia CG #2
1650' FNL 990' FEL
Sec. 23-17s-25E
EAGLE CREEK (S.A.)
Eddy County, N.M.

Elev. 3496 KB 3484 GR

SPUD: 9-3-74
TD: 9-7-74
COMPL: 11-5-74
IP: 280PD

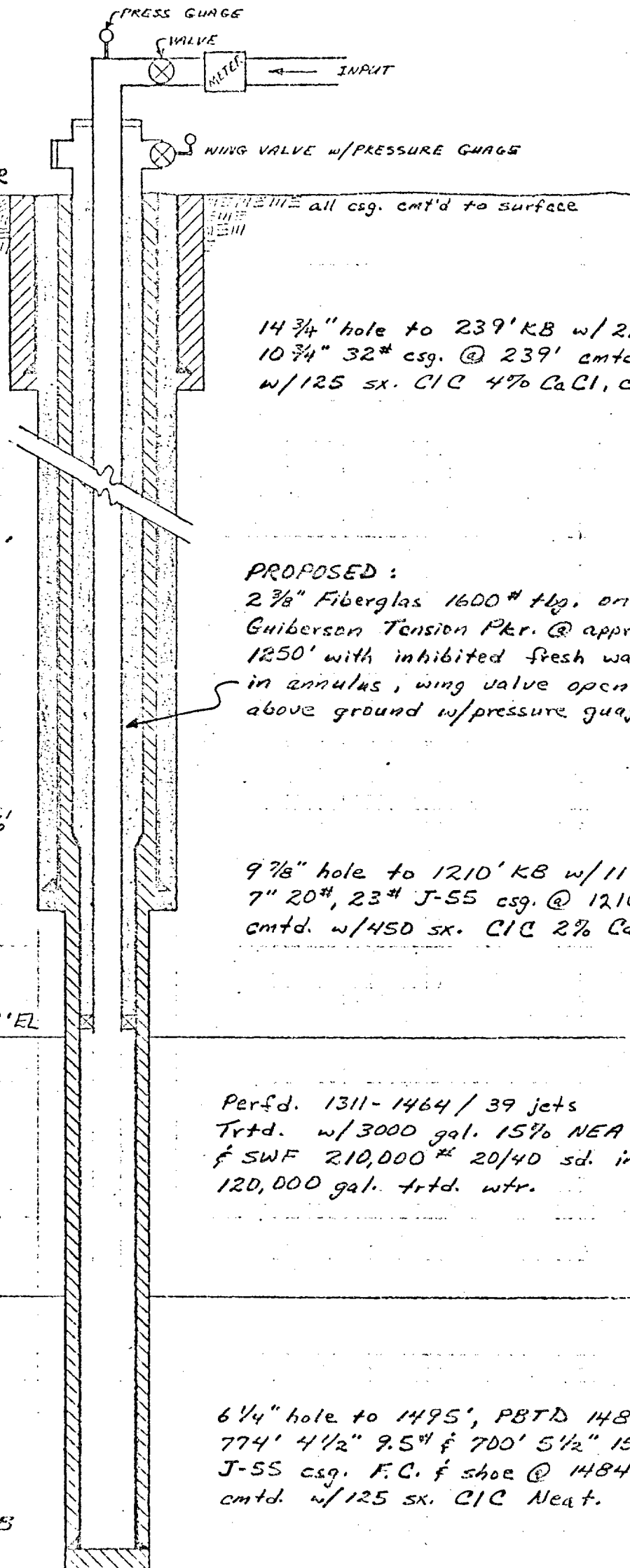
Top of San Andres @ 745'

Base of Artesian Zone @ 1066'

Top of Slaughter @ 1249' EL

Dolomite w/ scattered
porosity & OFG shows

PBTD 1482' KB
TD 1495' KB



14 3/4" hole to 239' KB w/ 227'
10 3/4" 32# csg. @ 239' cmt'd.
w/ 125 sk. CIC 4% CaCl, circ.

PROPOSED:

2 3/8" Fiberglas 1600# tbg. on
Ghiberson Tension Pkr. @ approx.
1250' with inhibited fresh water
in annulus, wing valve open
above ground w/ pressure gauge

9 7/8" hole to 1210' KB w/ 1199'
7" 20#, 23" J-55 csg. @ 1210' KB
cmt'd. w/ 450 sk. CIC 2% CaCl

Perfd. 1311-1464 / 39 jets
Trtd. w/ 3000 gal. 15% NEA
& SWF 210,000# 20/40 sd. in
120,000 gal. trtd. wtr.

6 1/4" hole to 1495', PBTD 1482' KB
774' 4 1/2" 9.5# & 700' 5 1/2" 15.5#
J-55 csg. F.C. & shoe @ 1484' KB
cmt'd. w/ 125 sk. CIC Neat.

Yates Petroleum Corp
 City of Artesia Cg #2
 1650' FNL 990' FEL
 Sec. 23-175-256
 Eagle Creek (S.A.)
 Eddy County, N. Mex

