

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: Secondary Recovery Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? yes no
- II. Operator: OUAY VALLEY, INC.
Address: P. O. BOX 10280, 1608 N. Big Spring, Midland, Texas 79702
Contact party: Stella Swanson Phone: 915/687-4220
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? yes no
If yes, give the Division order number authorizing the project R-4629
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any. None at this time.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken. There are no water wells within one mile of any injection or disposal well.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification
- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: Raymon D. Sharp Title President
Signature: Raymon D. Sharp Date: July 9, 1997
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office

NEMU Injection Wells

**BEFORE THE
OIL CONSERVATION DIVISION**
Santa Fe, New Mexico

Case No. 11826 Exhibit No. 11

Submitted by: Quay Valley, Inc.

Hearing Date: August 7, 1997

QUAY VALLEY, INC

North El Mar Unit #2

FORMERLY KERN COUNTY LAND GULF FEDERAL #1

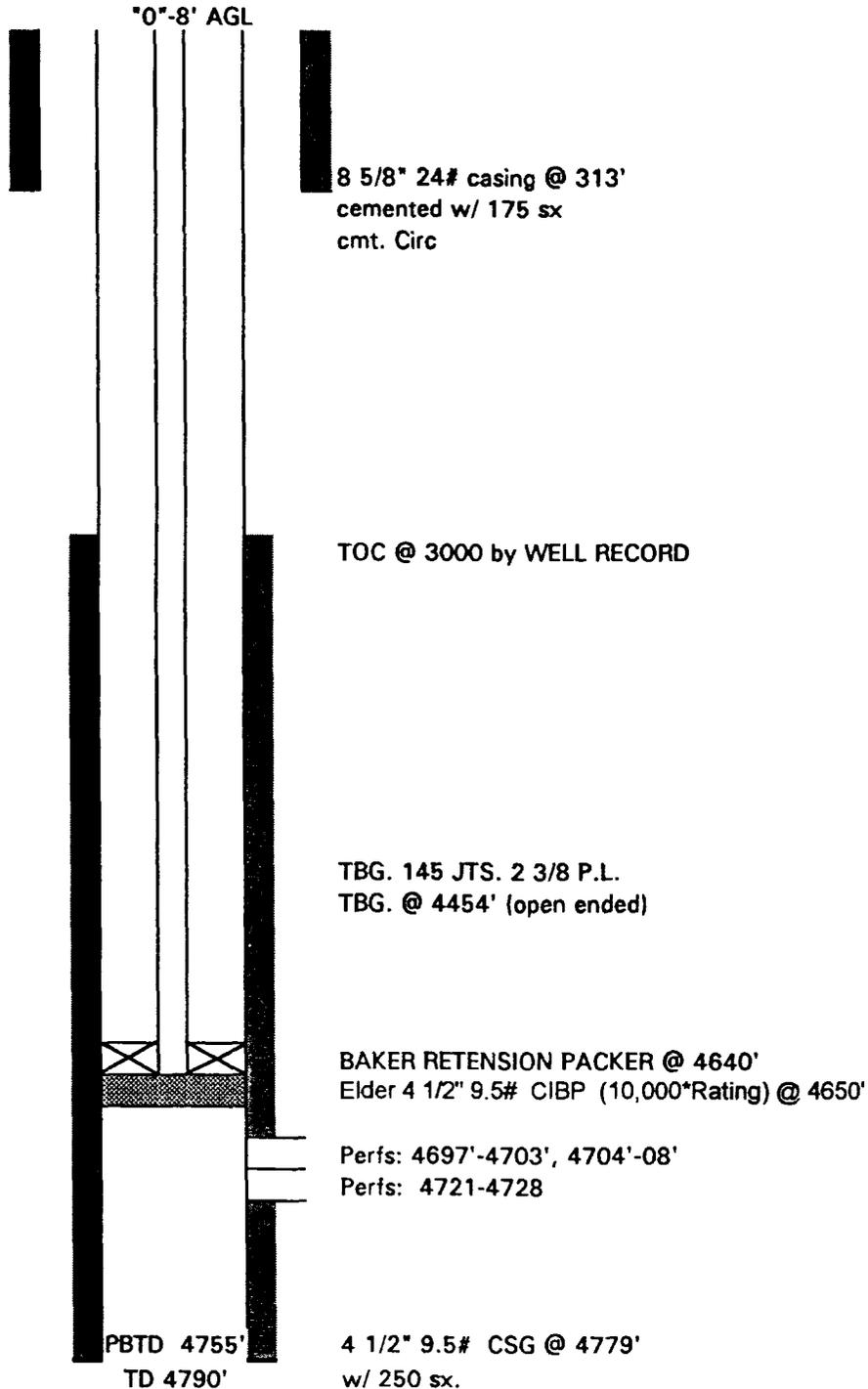
(NMOCD # _____, API# 30-025-082690)

660' FSL & 600' FEL

Section 24, T-26-S, R-32-E SPUD DATE: 3/14/59 COMPLETION: 3/27/59

Lea County, New Mexico

EL: 3149' DF: 3139'



"0"-8' AGL

8 5/8" 24# casing @ 313'
cemented w/ 175 sx
cmt. Circ

TOC @ 3000 by WELL RECORD

TBG. 145 JTS. 2 3/8 P.L.
TBG. @ 4454' (open ended)

BAKER RETENSION PACKER @ 4640'
Elder 4 1/2" 9.5# CIBP (10,000*Rating) @ 4650'

Perfs: 4697'-4703', 4704'-08'
Perfs: 4721-4728

PBTD 4755'
TD 4790'

4 1/2" 9.5# CSG @ 4779'
w/ 250 sx.

QUAY VALLEY, INC

North El Mar Unit #6

FORMERLY CONTINENTAL OIL WILDER #9
(API# 30-025-082800)

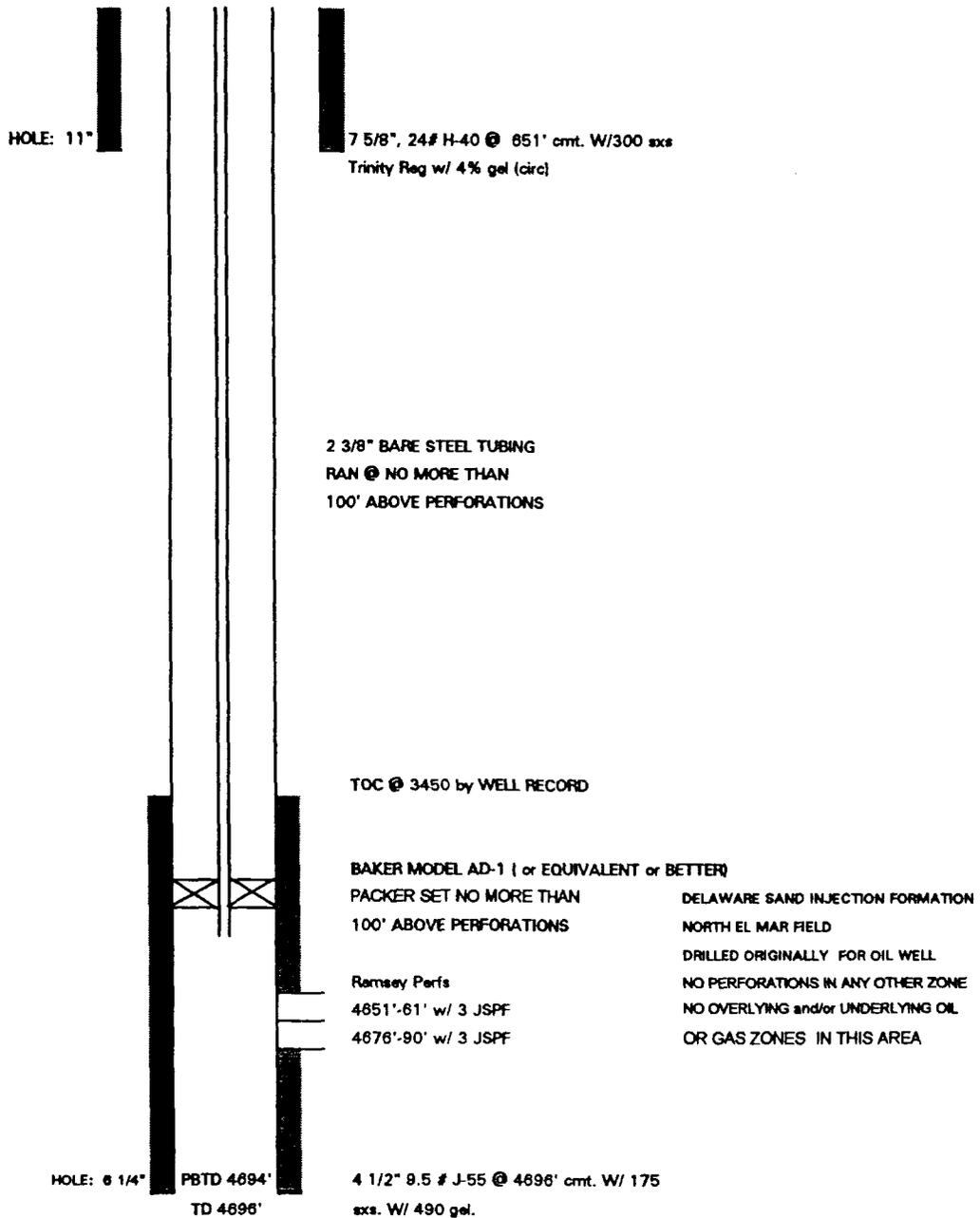
PROPOSED CO2 INJECTION CONFIGURATION

860' FNL & 2005' FEL
Section 25, T-28-S, R-32-E
Lee County, New Mexico

SPUD : 8/4/59 COMPLETION: 8/19/59
Drilling comments:

KB: 11' AGL

Completion Comments:



QUAY VALLEY, INC.		Bobby Gray/Gray Pumping	
JULY, 1996		915/943-4397	
		NEMU #2	
STATUS	(WIW) Formerly: Gulf Federal #1		
County & State	Lea County, New Mexico		
Spud Date:	03/14/1959		
Completion	03/27/1959		
Total Depth	4,790'		
Surface Casing	8 5/8" @ 313'	175 sx	TOC: Surface
	Hole Size:		
Production Casing	4 1/2" @ 4,779'	250 sx	TOC: 3,000'
	Hole Size:		
Tubing Size	2 3/8" @ 4,454'		
Perforations	4,697'-4,703', 4,704'-08', 4,721'-28'		
Packer Size & Type	Baker Retension @ 4,640'		
Bridge Plug, If one	Elder 4 1/2", 9.5# CIBP @4,650'		

QUAY VALLEY, INC

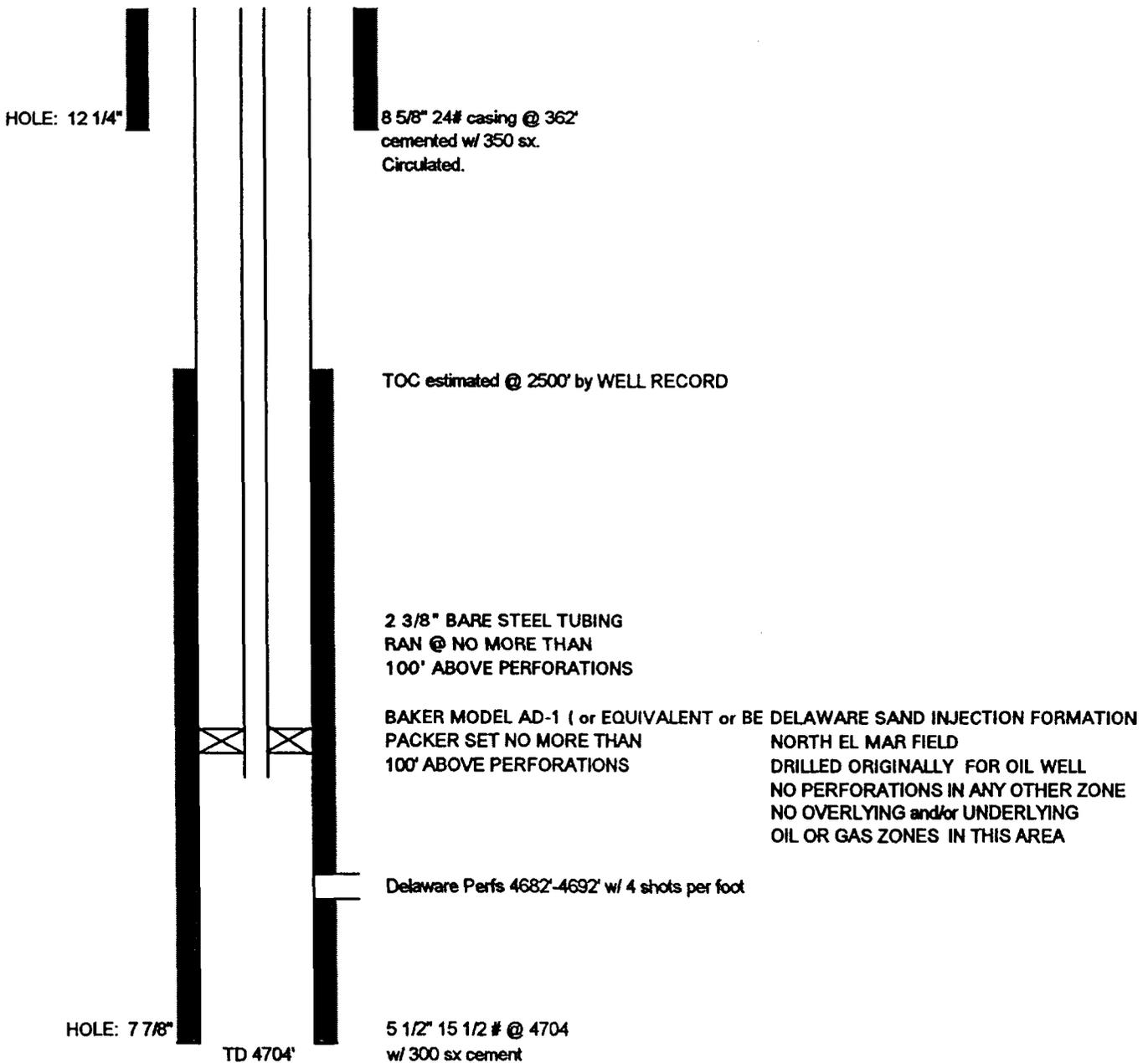
North El Mar Unit #4
FORMERLY PENROSE PRODUCTION CO. BROWN FEDERAL #1
(API# 30-025-084360)
PROPOSED CO2 INJECTION CONFIGURATION

990' FNL & 330' FWL
Section 30, T-26-S, R-33-E
Lea County, New Mexico

SPUD DATE: 9/30/59 COMPLETION: 10/10/59
Drilling comments:

GL: 3137' KB: 3147'

Completion Comments:



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #4

Status	(WIWSI) Formerly: Brown Federal #1
County & State	Lea County, New Mexico
Spud Date:	09/30/59
Completion	10/10/59
Total Depth	4,704'
Surface Casing	8 5/8" @ 362' 350 sx TOC: circ to surface Hole Size: 12 1/4"
Production Casing	5 1/2" @ 4,704' 300 sx TOC: 2,500' Hole Size: 7 7/8"
Tubing Size	2 3/8" bare steel tbg ran @ no more than 100' above perforations.
Perforations	Delaware Perf 4,682'-92' w/4 shots per foot
Packer Size & Type	Baker Model AD-1 (or Equivalent or better). Packer set no more than 100' above perforations.
Bridge Plug, if one	