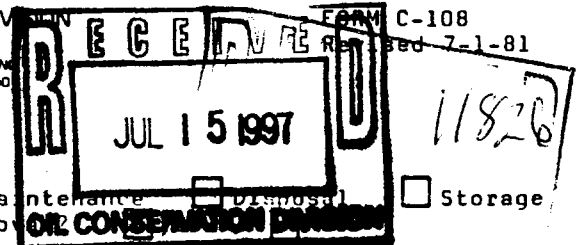


STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501



APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval
- II. Operator: QUAY 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.

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

Original

NEMU Injection Wells

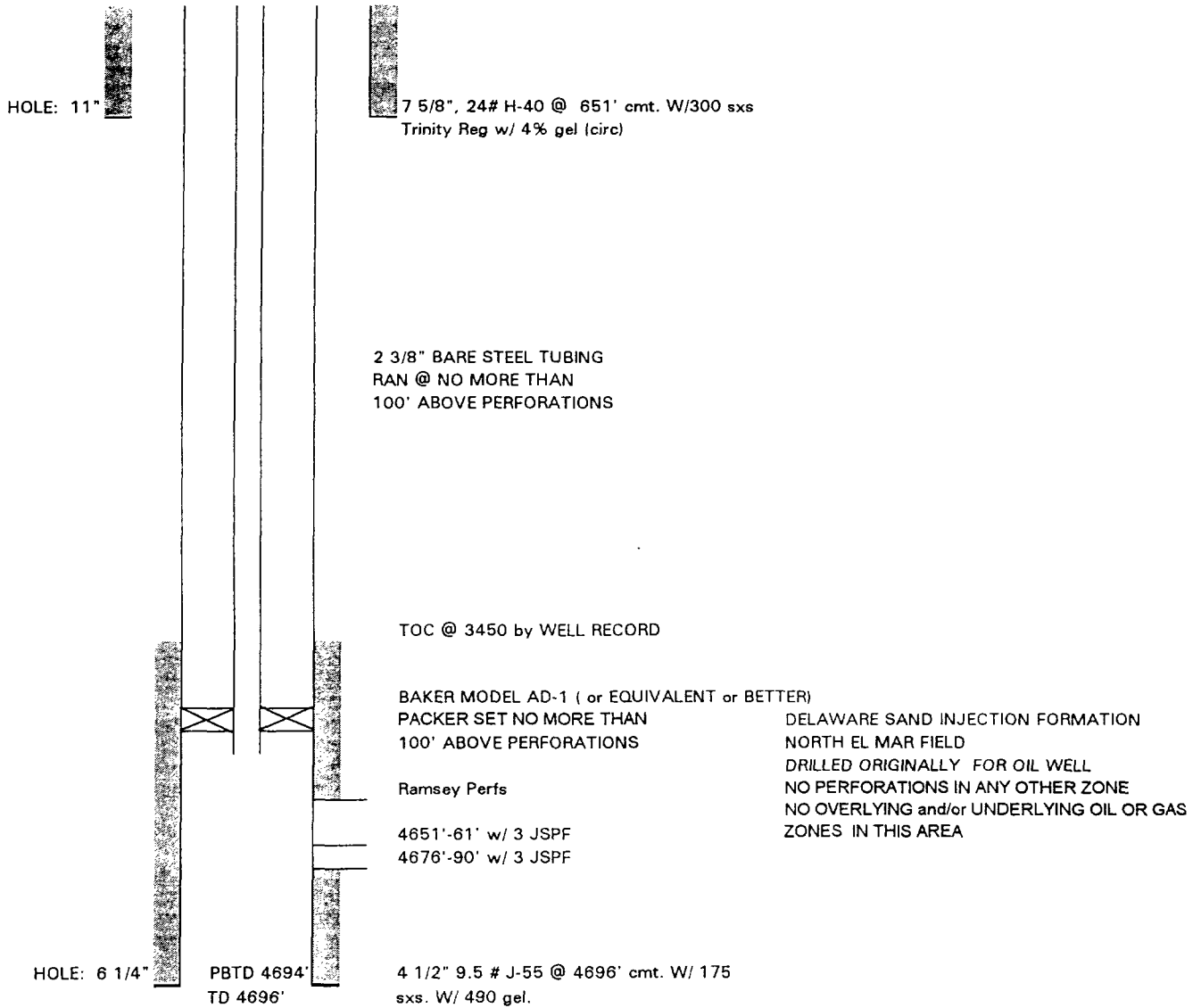
QUAY VALLEY, INC
North El Mar Unit #6
FORMERLY CONTINENTAL OIL WILDER #9
(API# 30-025-082800)
PROPOSED CO2 INJECTION CONFIGURATION

660' FNL & 2005' FEL
Section 25, T-26-S, R-32-E
Lea County, New Mexico

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

KB: 11' AGL

Completion Comments:



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #6

Status	(WIWSI) Formerly: Wilder #9
County & State	Lea County, New Mexico
Spud Date:	08/04/59
Completion	08/19/59
Total Depth	4,696'
Surface Casing	7 5/8" @ 651' 300 sx TOC: Circ. to Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,696' 175 sx TOC: 3,450' Hole Size: 6 1/4"
Tubing Size	2 3/8" bare steel tbg ran @ no more than 100' above perforations.
Perforations	4,651'-62'; 4,276'-90'
Packer Size & Type	Baker Model AD-1 (or equivalent or better). Packer set no more than 100' above perforations.
Bridge Plug, If one	

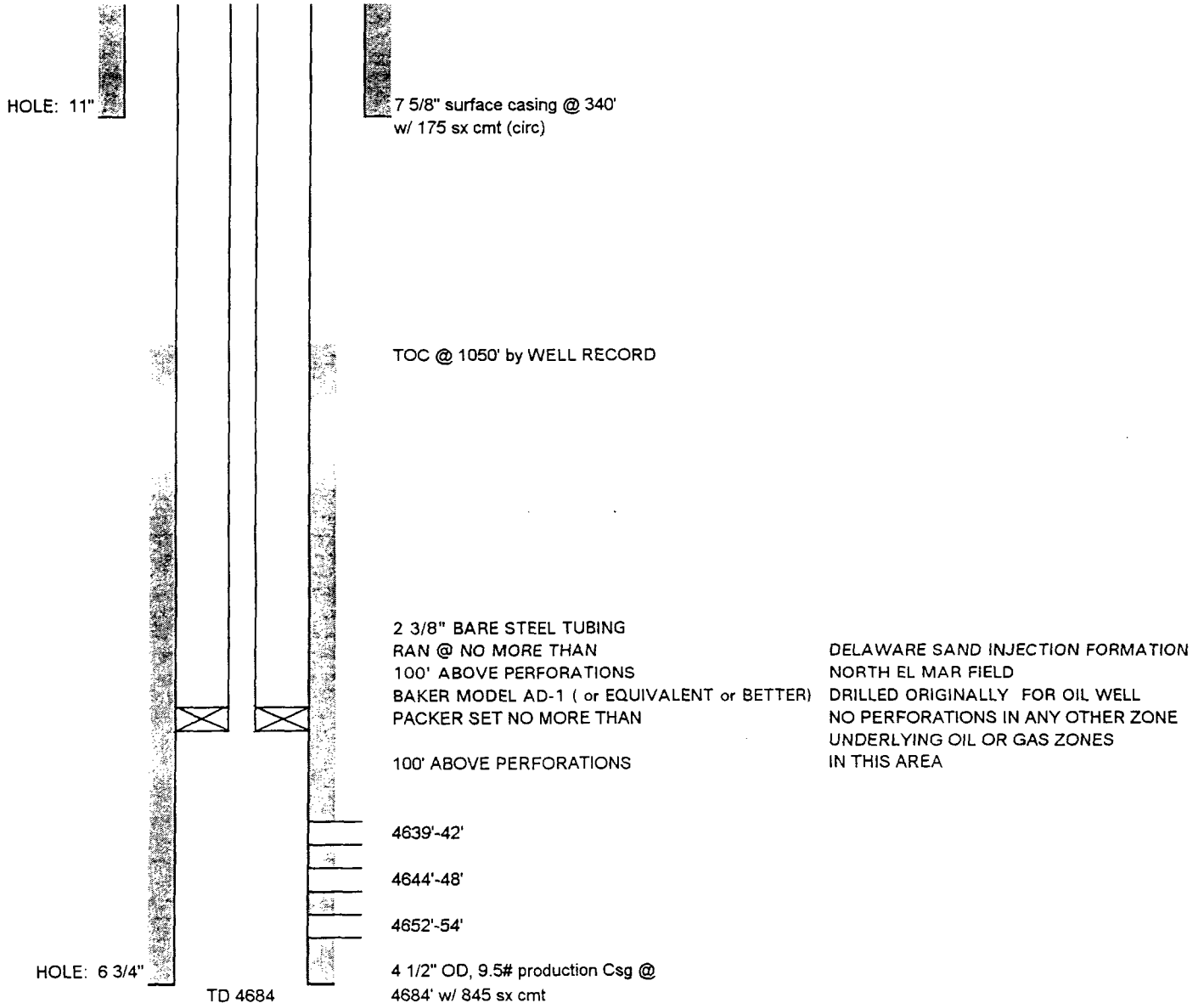
QUAY VALLEY, INC
North El Mar Unit #8
FORMERLY CONTINENTAL OIL WILDER #23
(API# 30-025-082870)
PROPOSED CO2 INJECTION CONFIGURATION

990' FNL & 990' FWL
Section 25, T-26-S, R-32-E
Lea County, New Mexico

GL: 3122 KB: 3133

SPUD: 5/19/60 COMPLETION: 6/6/60
Drilling comments:

Completion Comments:



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #8

Status	(WIWSI) Formerly: Wilder #23
County & State	Lea County, New Mexico
Spud Date:	05/19/60
Completion	06/06/60
Total Depth	4,684'
Surface Casing	7 5/8" @ 340' 175sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,684 2,275 cu ' TOC: 1,050' Hole Size: 6 3/4"
Tubing Size	2 3/8" bare steel tbg ran @ no more than 100' above perforations.
Perforations	4,639'-42', 4,644'-48', 4,652'-54'
Packer Size & Type	Baker Model AD-1 (or equivalent or better). Packer set no more than 100' above perforations.
Bridge Plug, If one	

QUAY VALLEY, INC

North El Mar Unit #12

FORMERLY CONTINENTAL OIL WILDER #21

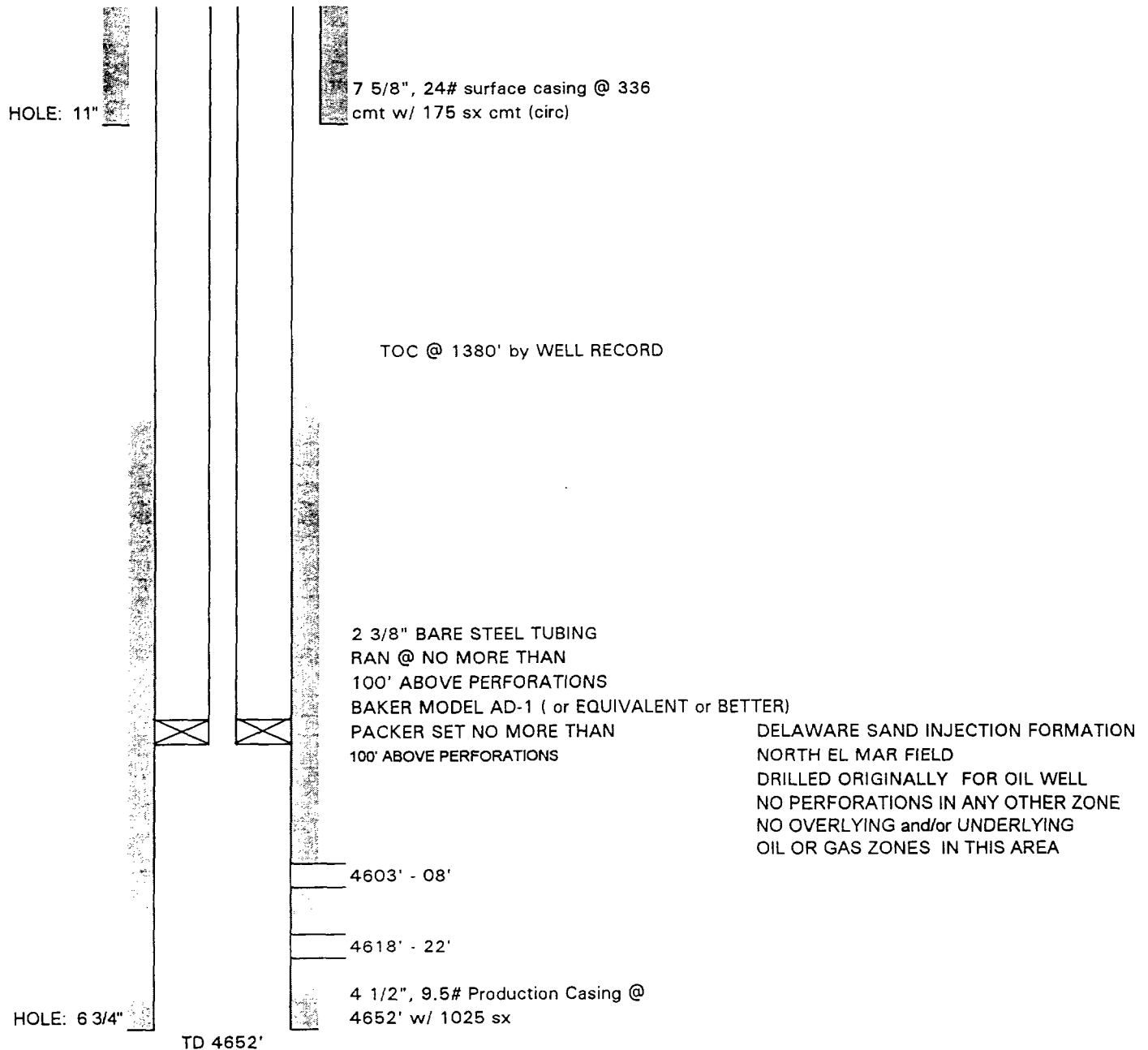
(API# 30-025-082940)

1980' FNL & 660' FEL
ection 26, T-26-S, R-32
Lea County, New Mexico
Unit H,
3110' GL 3121'DF

SPUD: 4/29/60 COMPLETION: 5/16/60

Drilling comments:

Completion Comments:



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #12

Status	(WIWSI)	Formerly: Wilder #21
County & State	Lea County, New Mexico	
Spud Date:	04/29/60	
Completion	05/16/60	
Total Depth	4,652'	
Surface Casing	7 5/8" @ 336' 175 sx	TOC: Surface
	Hole Size: 11"	
Production Casing	4 1/2" @ 4,652' 1025 sx	TOC: 1,380'
	Hole Size: 6 3/4"	
Tubing Size	2 3/8" bare steel tbg ran @ no more than 100' above perforations.	
Perforations	4,603'-22'	
Packer Size & Type	Baker Model AD-1 (or equivalent or better). Packer set no more than 100' above perforations.	
Bridge Plug, If one		

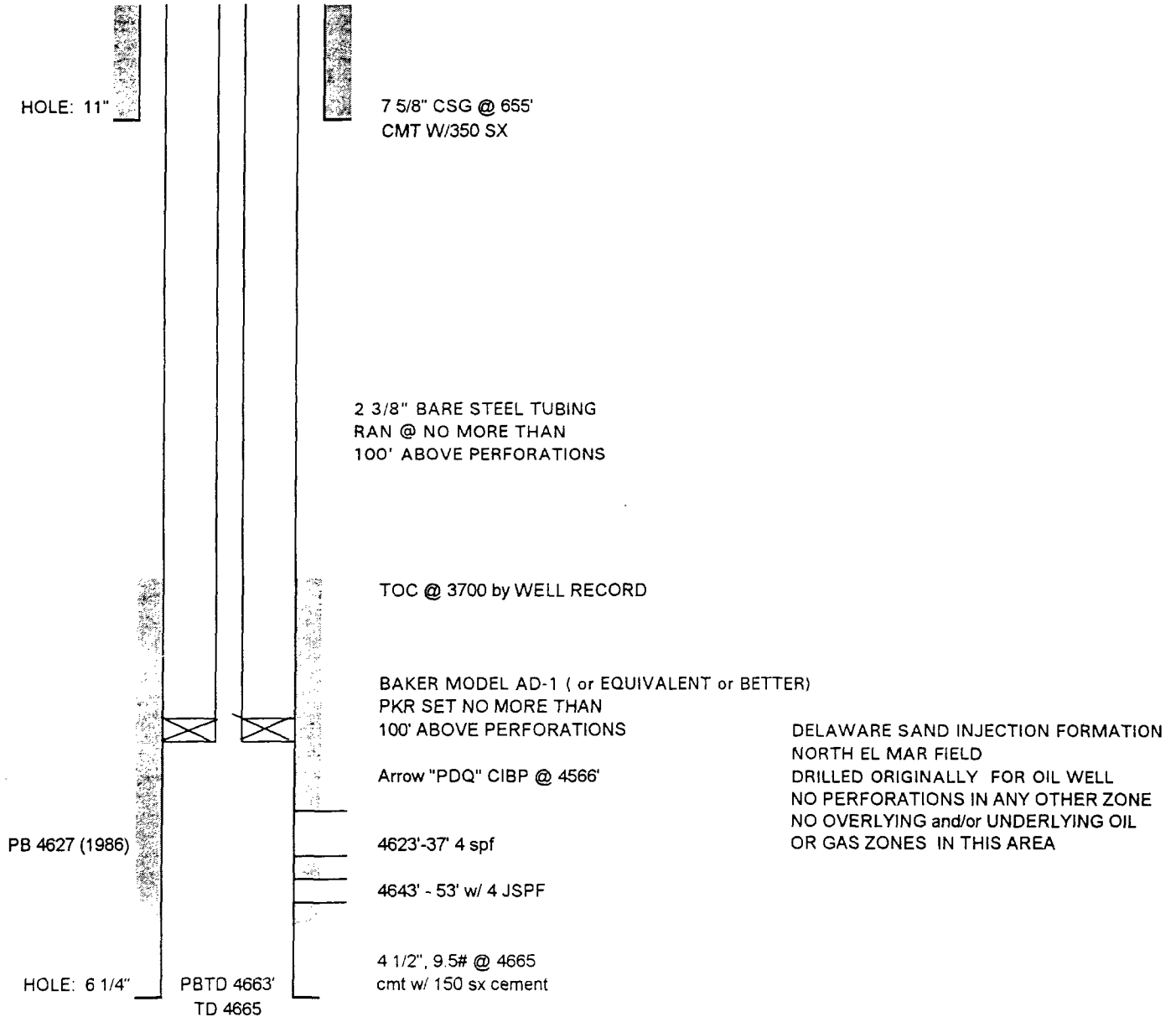
QUAY VALLEY, INC
North El Mar Unit #14
FORMERLY CONTINENTAL OIL WILDER #6
(API# 30-025-082770)
PROPOSED CO2 INJECTION CONFIGURATION

1980' FNL & 1980' FWL
Section 25, T-26-S, R-32-E
Lea County, New Mexico

SPUD: 7/1/59 COMPLETION: 7/11/59
Drilling comments:

Eiv 3124' GL 3135 KB

Completion Comments:



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

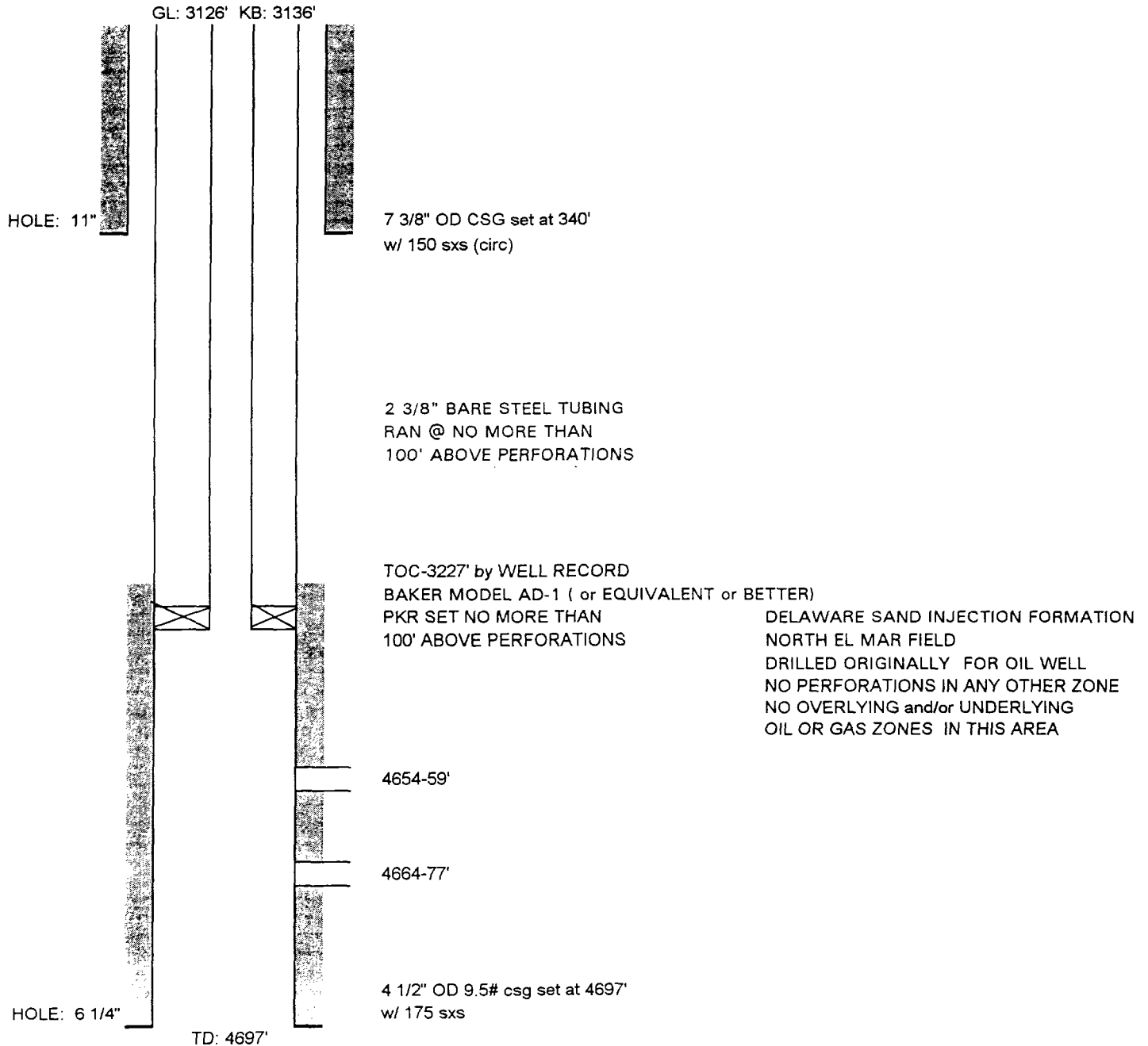
NEMU #14

Status	(WIWSI) Formerly: Wilder # 6
County & State	Lea County, New Mexico
Spud Date:	07/01/59
Completion	07/11/59
Total Depth	4,665'
Surface Casing	7 5/8" @ 655' 350 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,655' 150 sx TOC: 3,700' Hole Size: 6 1/4"
Tubing Size	2 3/8" bare steel tbg ran @ no more than 100' above perforations.
Perforations	4,623'-37', 4,643-53'
Packer Size & Type	Baker Model AD-1 (or equivalent or better) packer set no more than 100' above perforations.
Bridge Plug, If one	

Quay Valley
North El Mar Unit #16
FORMERLY CONTINENTAL OIL WILDER #10
(API# 30-025-082810)
PROPOSED CO2 INJECTION CONFIGURATION

Spud Date: 8/16/59 Completion:
8/25/59

1880' FNL & 660' FWL
Section 30, Township 65 South, Range 33 East
Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

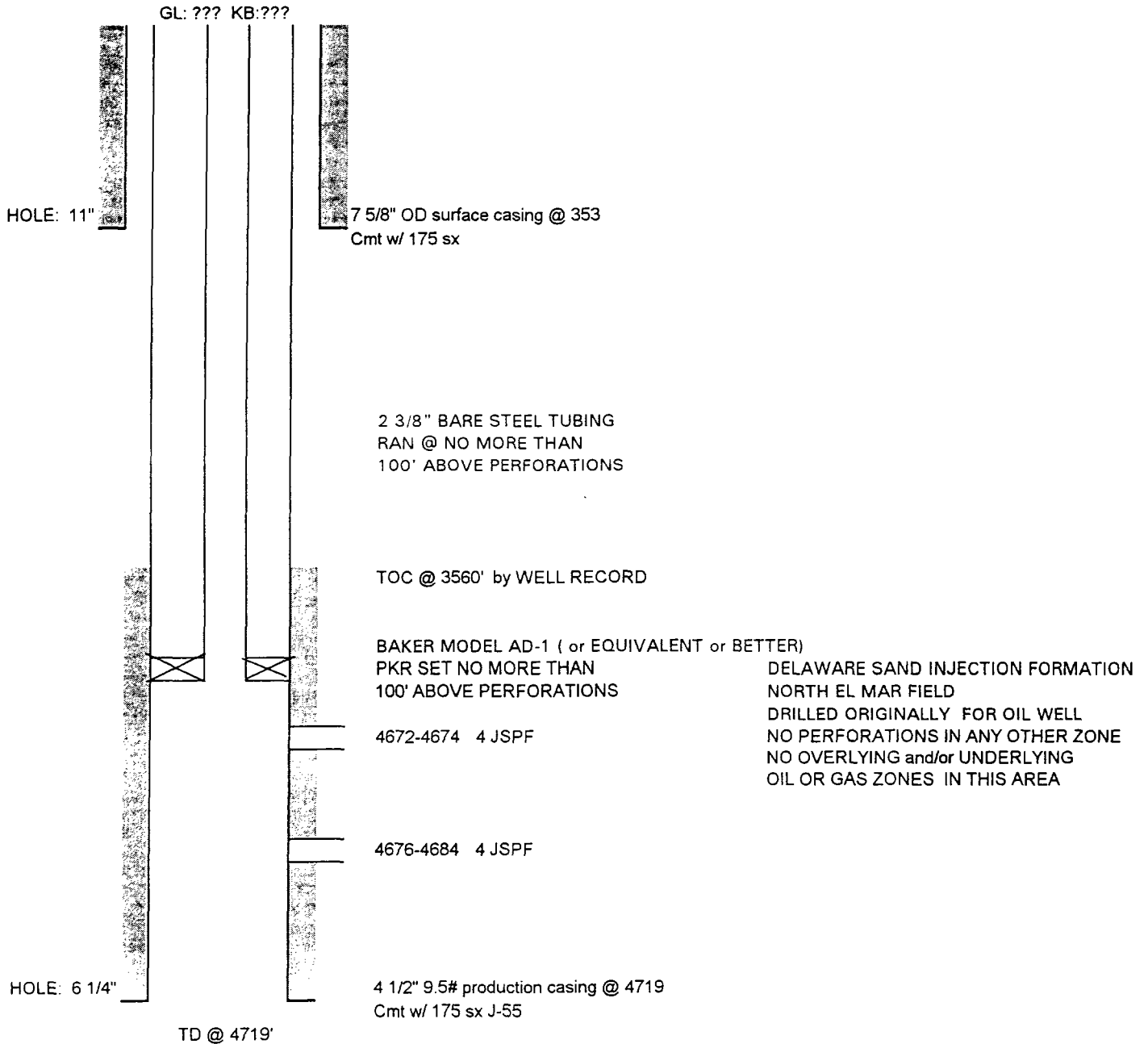
NEMU #16

Status	(WIWSI) Formerly: Wilder #10
County & State	Lea County, New Mexico
Spud Date:	08/16/59
Completion	08/25/59
Total Depth	4,697'
Surface Casing	7 5/8" @ 340' 150 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,697' 175 sx TOC: 3,227' Hole Size: 6 1/4"
Tubing Size	2 3/8" bare steel tbg ran @ no more that 100' above perforations
Perforations	4,654'-59, 4,664'-77'
Packer Size & Type	Baker Model AD-1 (or equivalent or better) packer set no more than 100' above perforations.
Bridge Plug, If one	

Quay Valley
North El Mar Unit #20
FORMERLY CONTINENTAL OIL PAYNE #3
(API# 30-025-084310)
PROPOSED CO2 INJECTION CONFIGURATION

Spud Date: 1/10/60 Completion: 1/20/60

1980' FNL & 660' FEL
Section 30, Township 26 South, Range 33 East
Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

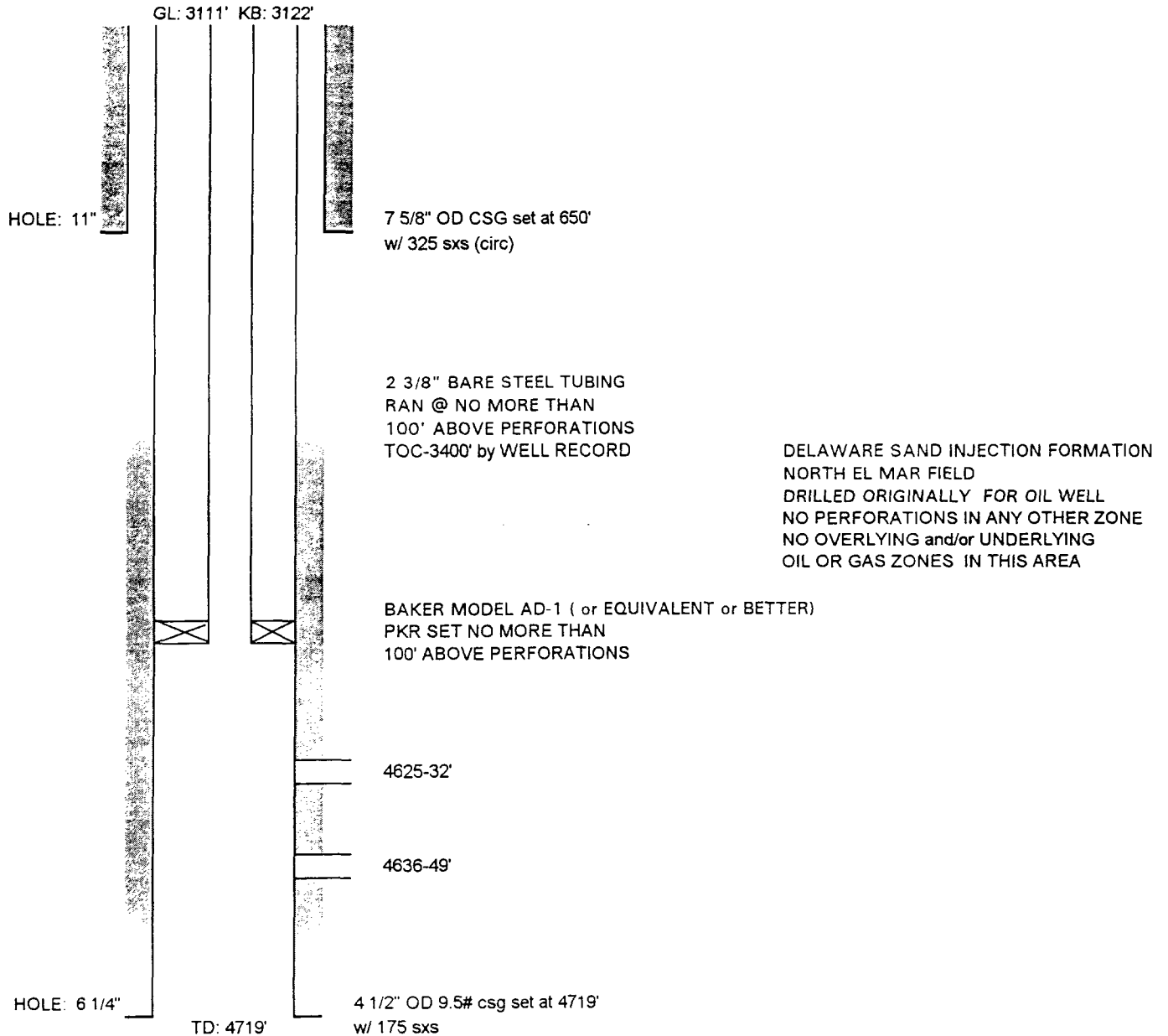
NEMU #20

Status	(WIWSI)	Formerly: Payne #3
County & State	Lea County, New Mexico	
Spud Date:	01/10/60	
Completion	01/20/60	
Total Depth	4,719'	
Surface Casing	7 5/8" @ 353' 175 sx	TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,719' 175 sx	TOC: 3,560' Hole Size: 6 1/4"
Tubing Size	2 3/8" bare steel tbg ran @ no more than 100' above perforations.	
Perforations	4,672'-74', 4,676'-84'	
Packer Size & Type	Baker Model AD-1 (or equivalent or better) packer set no more than 100' above perforations.	
Bridge Plug, If one		

Quay Valley
North El Mar Unit #22
FORMERLY CONTINENTAL OIL WILDER #7
(API# 30-025-082780)
PROPOSED CO2 INJECTION CONFIGURATION

Spud Date: 7/12/59 Completion: 7/26/59

1980' FSL & 1980' FEL
Section 25, Township 26 South, Range 32 East
Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #22

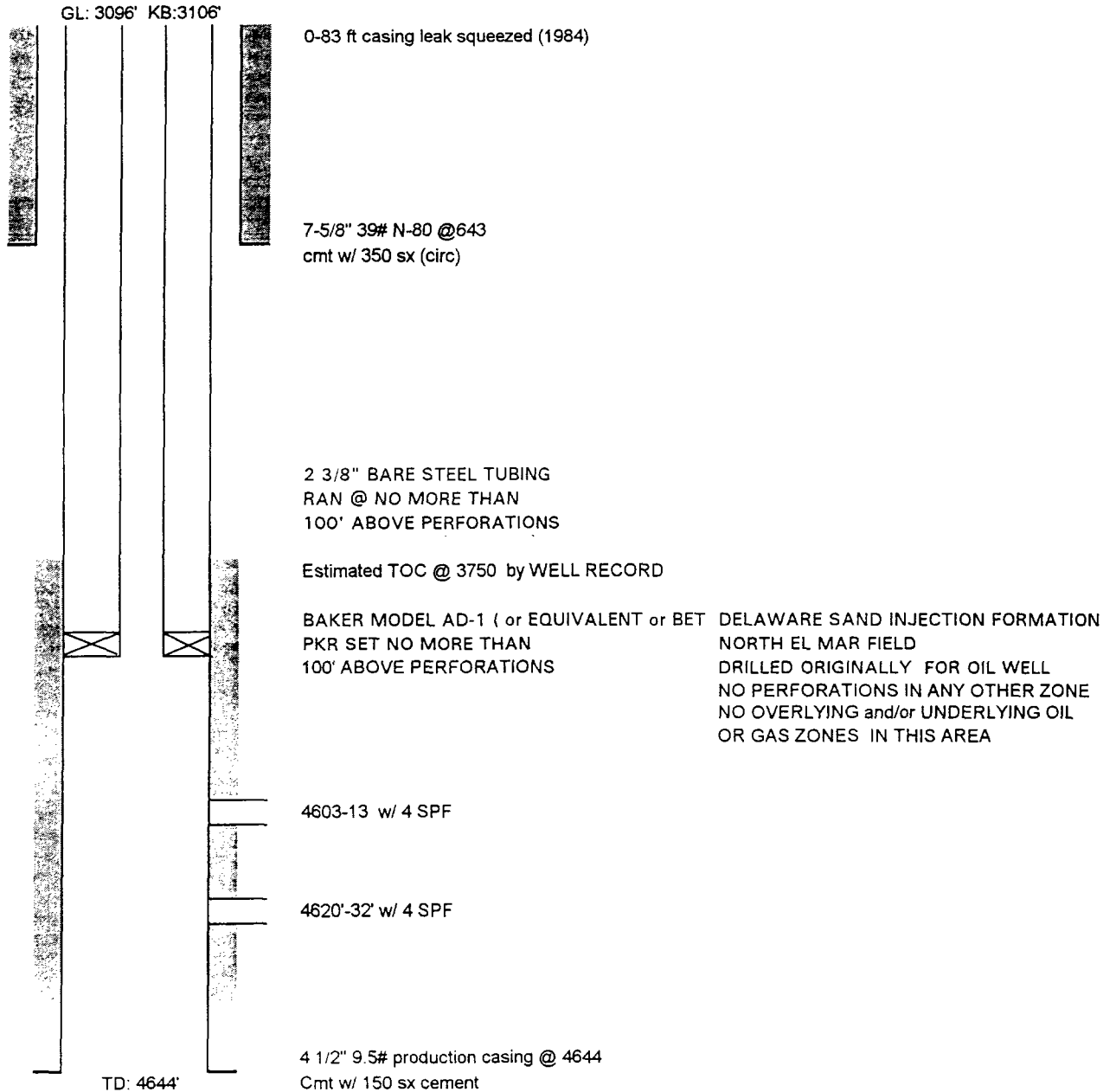
Status	(WIWSI) Formerly: Wilder #7
County & State	Lea County, New Mexico
Spud Date:	07/12/59
Completion	07/26/59
Total Depth	4,719'
Surface Casing	7 5/8" @ 650' 325 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,719' 175 sx TOC: 3,400' Hole Size: 6 1/4"
Tubing Size	2 3/8" bare steel tbg. ran @ no more than 100' above perforations.
Perforations	4,625'-32', 4,636'-49'
Packer Size & Type	Baker Model AD-1 (or equivalent or better) packer set no more than 100' above perforations.
Bridge Plug, If one	

Quay Valley

North El Mar Unit #24
FORMERLY CONTINENTAL OIL WILDER #3
 (API# 30-025-082750)
PROPOSED CO2 INJECTION CONFIGURATION

Spud Date: 6/8/59 Completion: 6/23/59

1980' FSL & 660' FWL
 Section 25, Township 26 South, Range 32 East
 Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #24

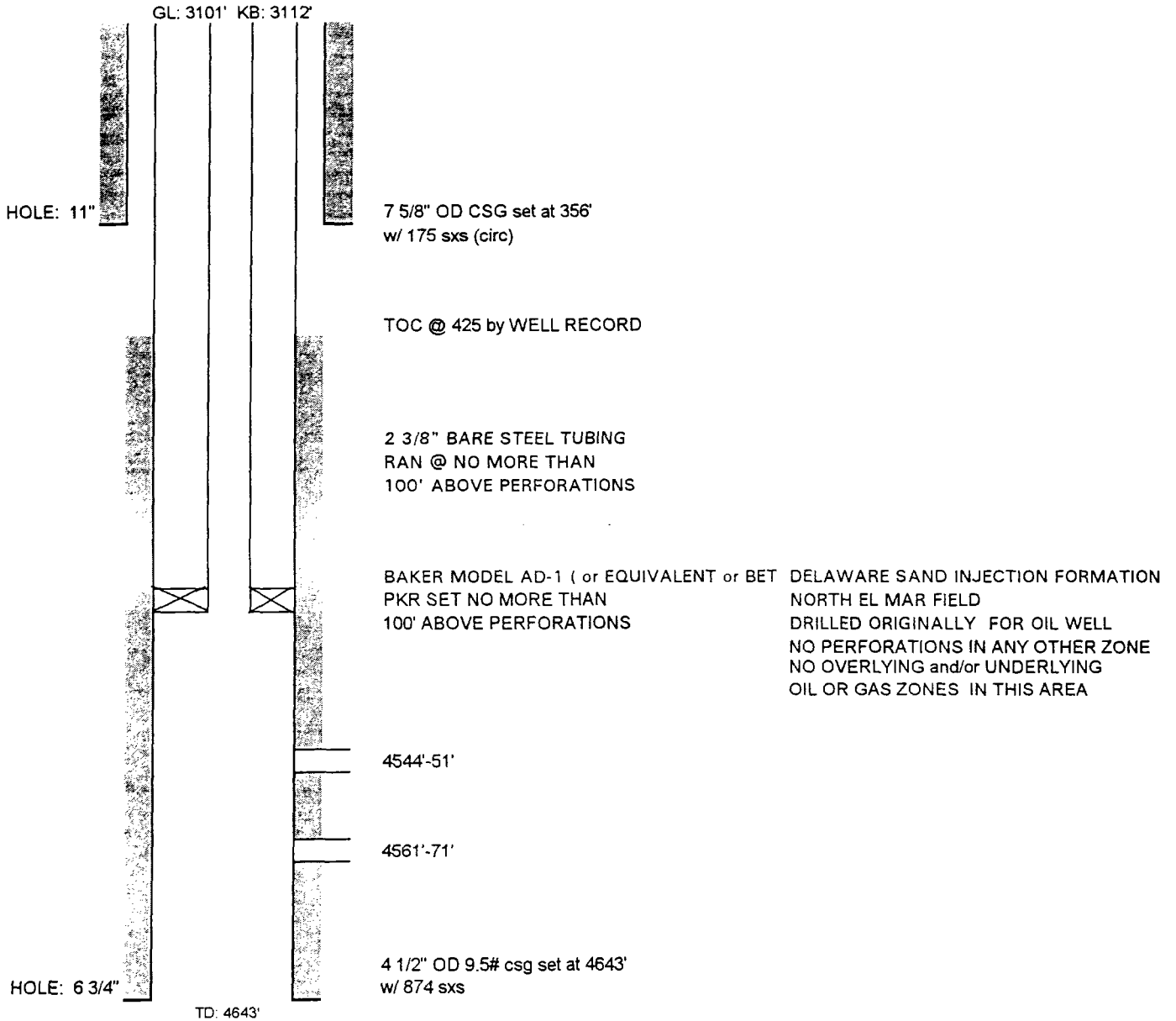
Status	(WIWSI) Formerly: Wilder #3
County & State	Lea County, New Mexico
Spud Date:	06/08/59
Completion	06/23/59
Total Depth	4,644'
Surface Casing	7 5/8" @ 643' 350 sx TOC: Surface Hole Size:
Production Casing	4 1/2" @ 4,644' 150 sx TOC: 3,750' (est) Hole Size:
Tubing Size	2 3/8" bare steel tbg ran @ no more than 100' above perforations.
Perforations	4,603'-13', 4,620'-32'
Packer Size & Type	Baker Model AD-1 (or equivalent or better) packer set no more than 100' above perforations.
Bridge Plug, If one	

Quay Valley

North El Mar Unit #26
FORMERLY CONTINENTAL OIL WILDER #20
 (API# 30-025-082930)
PROPOSED CO2 INJECTION CONFIGURATION

Spud Date: 4/9/60 Completion: 4/25/60

1980' FSL & 1980' FEL
 Section 26, Township 26 South, Range 32 East
 Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

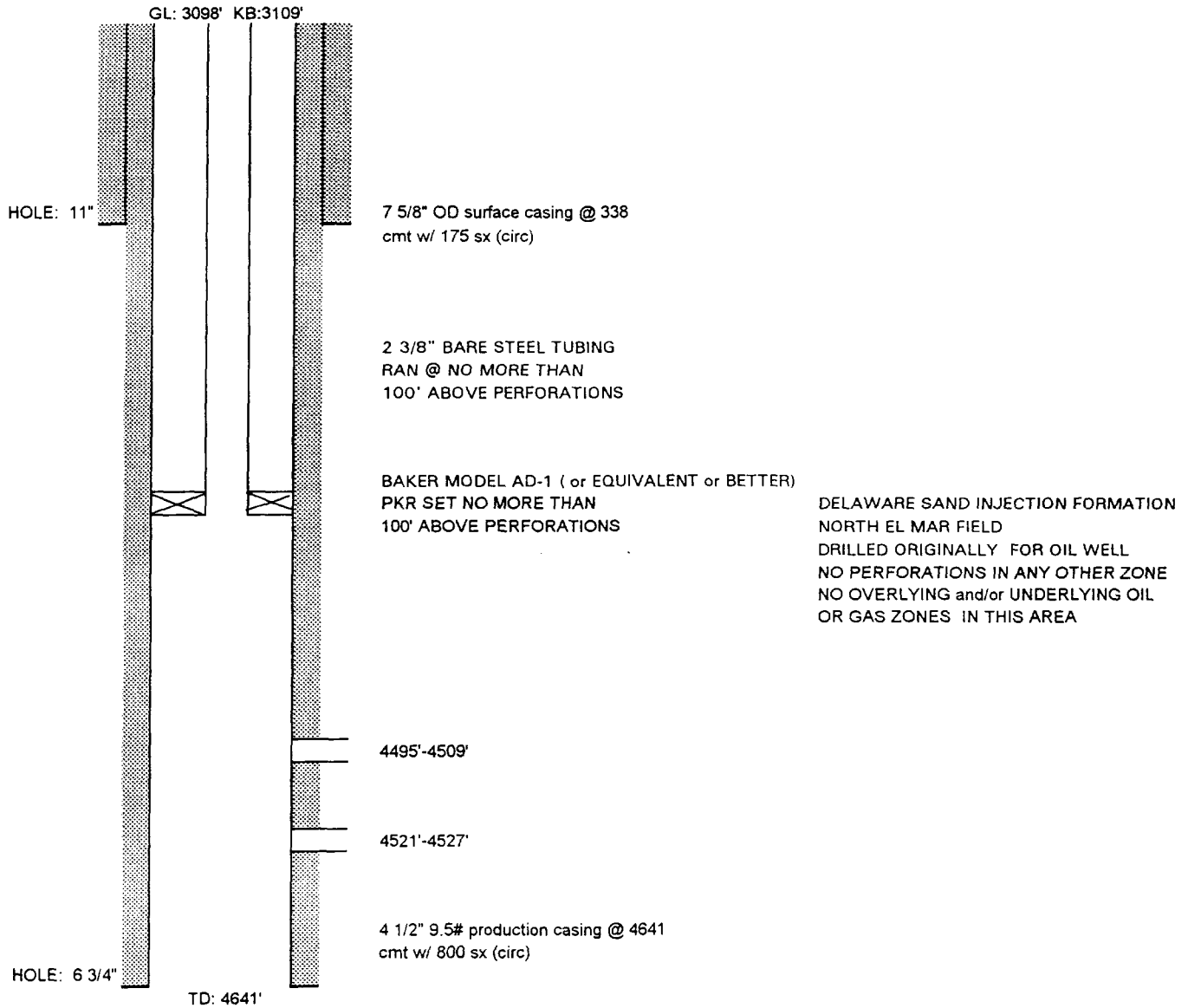
NEMU #26

Status	(WIW) Formerly: Wilder #20
County & State	Lea County, New Mexico
Spud Date:	04/09/60
Completion	04/25/60
Total Depth	4,643'
Surface Casing	7 5/8" @ 356' 175 sx TOC: Surface (?) Hole Size: 11"
Production Casing	4 1/2" @ 4,643" 874 sx TOC: 425' Hole Size: 6 3/4"
Tubing Size	2 3/8" bare steel tbg ran @ no more than 100' above perforations.
Perforations	4,544'-51', 4,561'-71'
Packer Size & Type	Baker Model AD-1 (or equivalent or better) packer set no more than 100' above perforations.
Bridge Plug, If one	

Quay Valley
North El Mar Unit #31
FORMERLY CONTINENTAL OIL WILDER #19
(API# 30-025-082920)
PROPOSED CO2 INJECTION CONFIGURATION

Spud Date: 3/17/60 Completion: 4/1/60

660' FEL & 1980' FSL
Section 26, Township 26 South, Range 32 East
Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #31

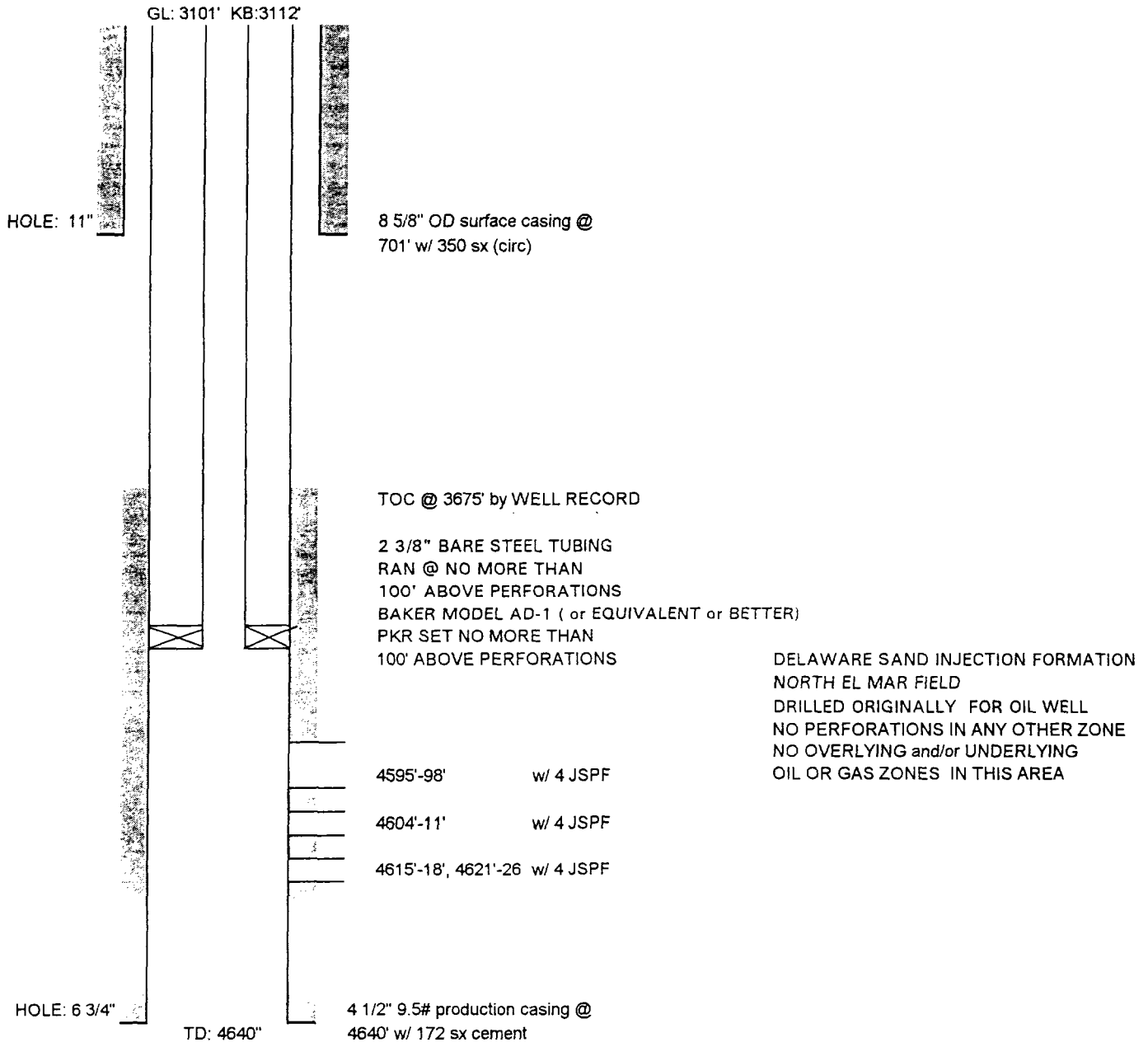
Status	(WIWSI) Formerly: Wilder #19
County & State	Lea County, New Mexico
Spud Date:	03/17/60
Completion	04/01/60
Total Depth	4,641'
Surface Casing	7 5/8" @ 338' 175 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,641' 800 sx TOC: Hole Size: 6 3/4"
Tubing Size	2 3/8" bare steel tbg ran @ no more than 100' above perforations.
Perforations	4,495'-4,509', 4,521'-27'
Packer Size & Type	Baker Model AD-1 (or equivalent or better) packer set no more than 100' above perforations.
Bridge Plug, If one	

Quay Valley

North El Mar Unit #33
FORMERLY CONTINENTAL OIL WILDER #5
 (API# 30-025-082880)
PROPOSED CO2 INJECTION CONFIGURATION

Spud Date: 4/29/59 Completion: 5/10/59

660' FLS & 660' FEL
 Section 26, Township 26 South, Range 32 East
 Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #33

Status	(WIWSI) Formerly: Wilder #5
County & State	Lea County, New Mexico
Spud Date:	04/29/59
Completion	05/10/59
Total Depth	4,640'
Surface Casing	8 5/8" @ 701 350 sx TOC: Surface (?) Hole Size: 11" (?)
Production Casing	4 1/2" @ 4,640' 172 sx TOC: 3,675 Hole Size: 6 3/4 (?)
Tubing Size	2 3/8" bare steel tbg ran @ no more than 100' above perforations.
Perforations	4,595'-98', 4,604'-11', 4,615'-18', 4,21'-4,626'
Packer Size & Type	Baker Model AD-1 (or equivalent or better) packer set no more than 100' above perforations.
Bridge Plug, If one	

Quay Valley

North El Mar Unit #35

FORMERLY CONTINENTAL OIL WILDER #2

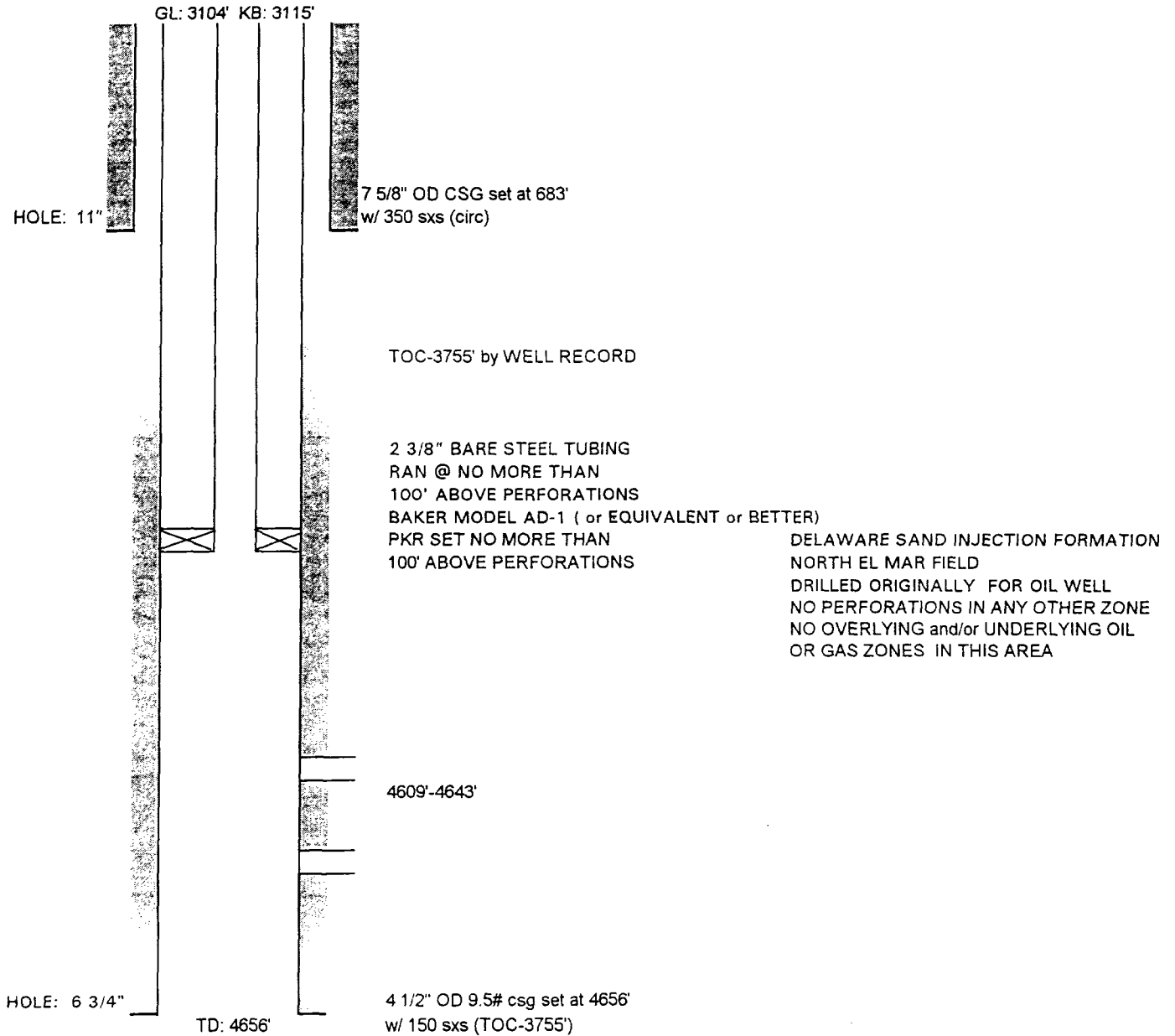
(API# 30-025-082740)

PROPOSED CO2 INJECTION CONFIGURATION

Spud Date: 5/24/59

Completion: 6/6/59

1980' FSL & 1980' FEL
Section 25, Township 26 South, Range 32 East
Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

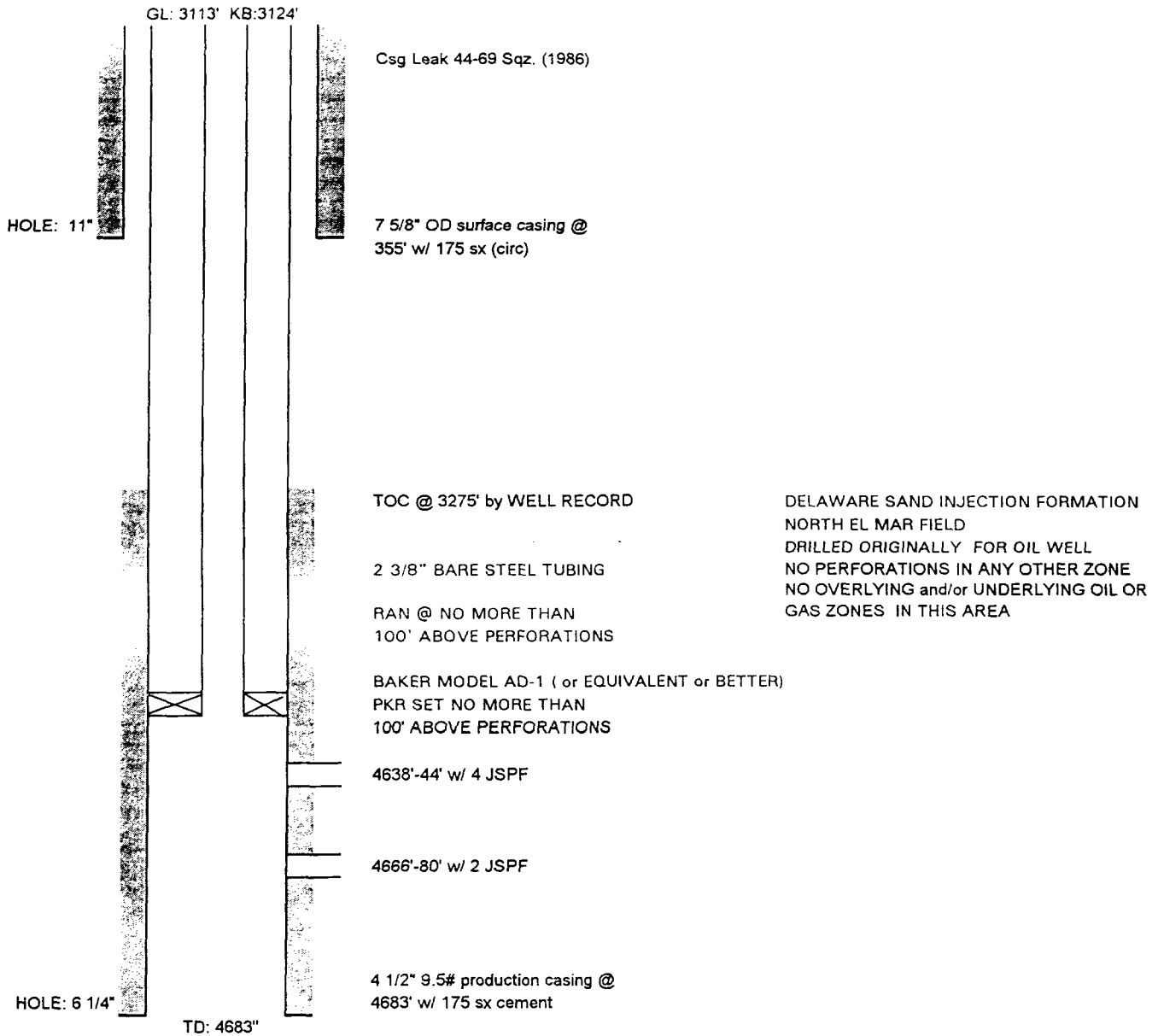
NEMU #35

Status	(WIWSI) Formerly: Wilder #2
County & State	Lea County, New Mexico
Spud Date:	05/24/59
Completion	06/06/59
Total Depth	4,656'
Surface Casing	7 5/8" @ 683' 350 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,656' 150 sx TOC: 3,755' Hole Size: 6 3/4"
Tubing Size	2 3/8" bare steel tbg ran @ no more than 100' above perforations.
Perforations	4,609'-25', 4,635'-43'
Packer Size & Type	Baker Model AD-1 (or equivalent or better) packer set no more than 100' above perforations.
Bridge Plug, If one	

Quay Valley
North El Mar Unit #37
FORMERLY CONTINENTAL OIL WILDER #12
(API# 30-025-082830)
PROPOSED CO2 INJECTION CONFIGURATION

Spud Date: 9/19/59 Completion: 9/30/59

660' FLS & 660' FEL
Section 25, Township 26 South, Range 32 East
Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #37

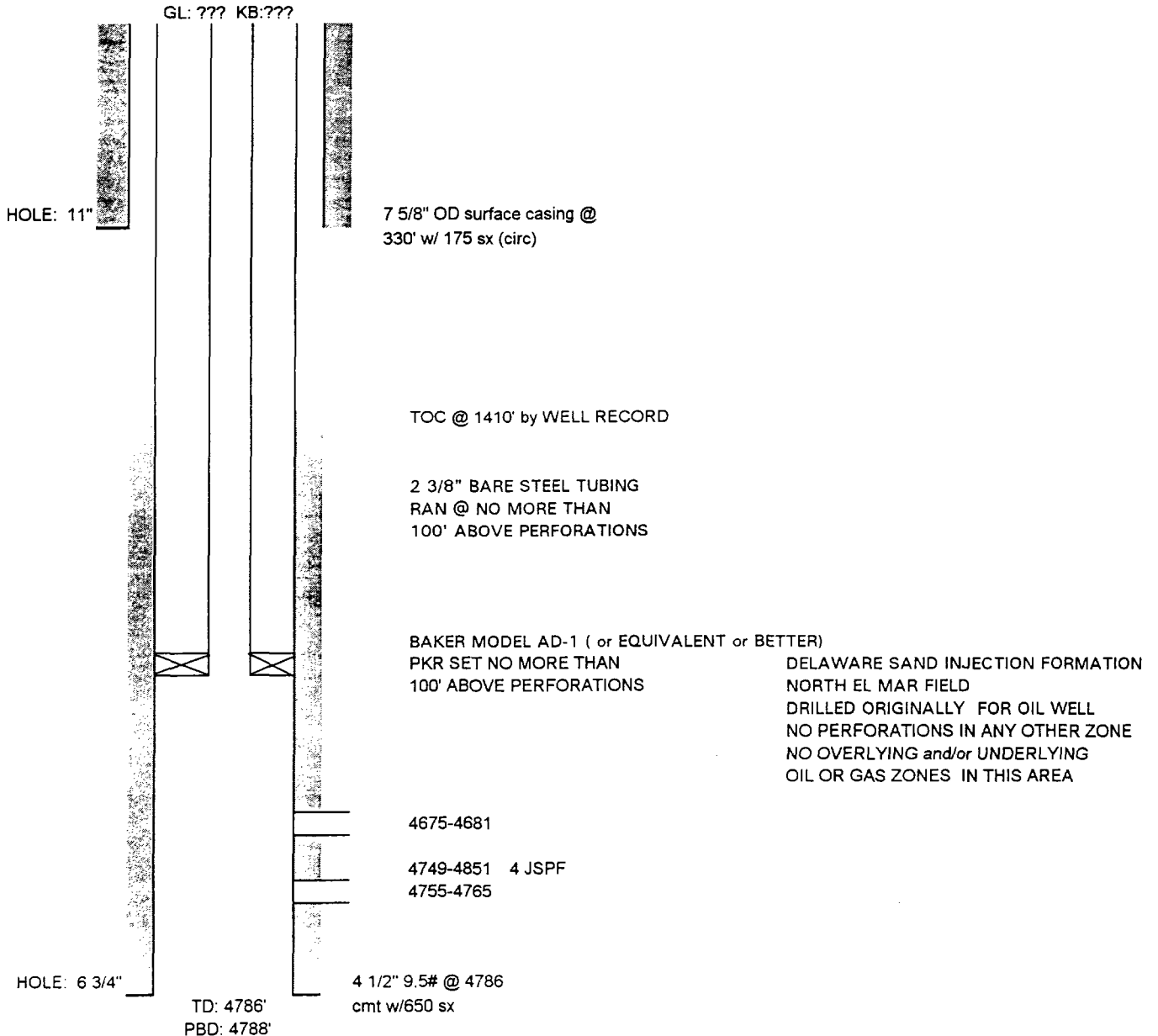
Status	(WIWSI) Formerly: Wilder #12
County & State	Lea County, New Mexico
Spud Date:	09/19/59
Completion	09/30/59
Total Depth	4,683'
Surface Casing	7 5/8" @ 355' 175 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,683' 175 sx TOC: 3,275' Hole Size: 6 1/4"
Tubing Size	2 3/8" bare steel tbg ran @ no more than 100' above perforations.
Perforations	4,638'-44', 4,666'-80'
Packer Size & Type	Baker Model AD-1 (or equivalent or better) packer set no more than 100' above perforations.
Bridge Plug, If one	

Quay Valley

North El Mar Unit #39
FORMERLY CONTINENTAL OIL PAYNE #11
 (API# 30-025-084350)
PROPOSED CO2 INJECTION CONFIGURATION

Spud Date: 7/13/60 Completion: 8/2/60

660' FSL & 1650' FWL
 Section 30, Township 26 South, Range 33 East
 Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

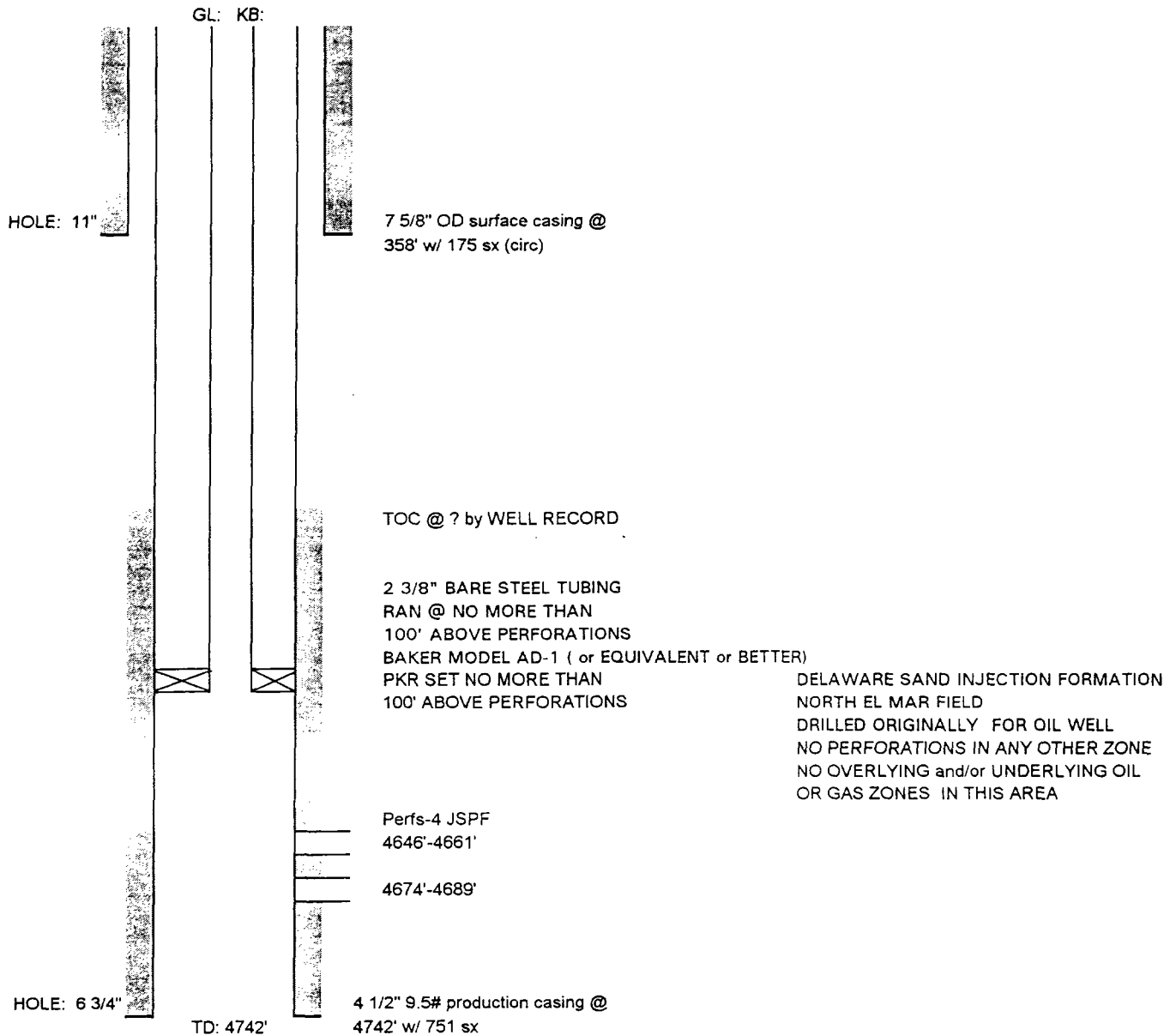
NEMU #39

Status	(WIWSI) Formerly: Payne #11
County & State	Lea County, New Mexico
Spud Date:	07/13/60
Completion	08/02/60
Total Depth	4,786'
Surface Casing	7 5/8" @ 330' 175 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,786' 650 sx TOC: 1,410' Hole Size: 6 3/4"
Tubing Size	2 3/8" bare steel tbg ran @ no more than 100' above perforations.
Perforations	4,675'-81', 4749'-51', 4755'-65'
Packer Size & Type	Baker Model AD-1 (or equivalent or better) packer set no more than 100' above perforations.
Bridge Plug, If one	

Quay Valley
North El Mar Unit #41
FORMERLY CONTINENTAL OIL PAYNE #7
(API# 30-025-084370)
PROPOSED CO2 INJECTION CONFIGURATION

Spud Date: 2/22/60 Completion: 3/3/60

660' FNL & 660' FWL
Section 31, Township 26 South, Range 33 East
Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
 915/943-4397

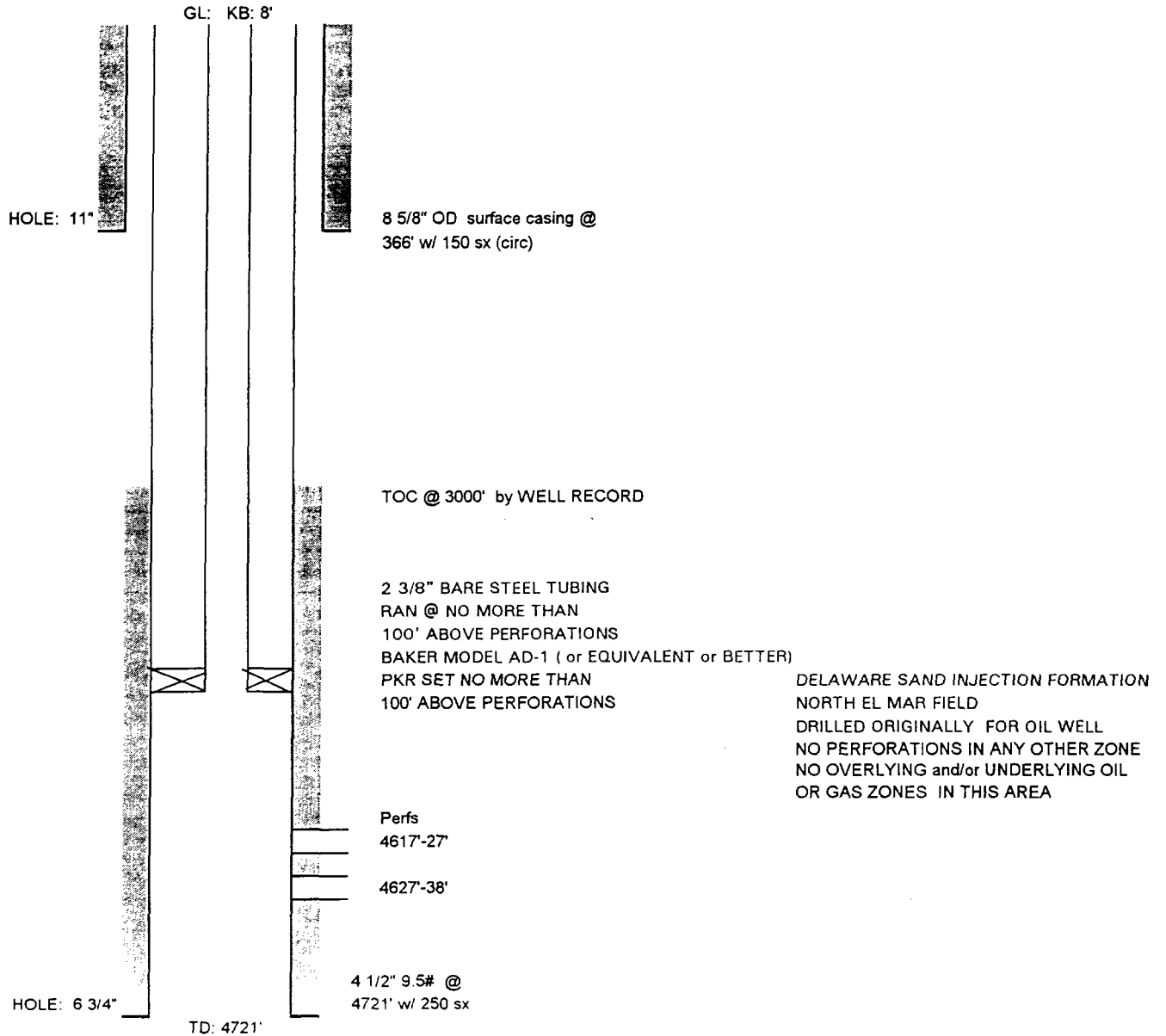
NEMU #41

Status	(WIWSI) Formerly: Payne #7
County & State	Lea County, New Mexico
Spud Date:	02/22/60
Completion	03/03/60
Total Depth	4,742'
Surface Casing	7 5/8" @ 358' 175 sx TOC: Surface (Circ) Hole Size: 11"
Production Casing	4 1/2" @ 4,742' 751 sx TOC: Surface (Circ) Hole Size: 6 3/4"
Tubing Size	2 3/8" bare steel tbg ran @ no more than 100' above perforations.
Perforations	4,646'-61', 4,674'-89'
Packer Size & Type	Baker Model AD-1 (or equivalent or better) packer set no more than 100' above perforations.
Bridge Plug, If one	

Quay Valley
North El Mar Unit #42
FORMERLY KERN COUNTY LAND STATE 36 #3
(API# 30-025-083160)
PROPOSED CO2 INJECTION CONFIGURATION

Spud Date: 10/6/59 Completion: 10/18/59

543' FNL & 1448' FEL
Section 36, Township 26 South, Range 32 East
Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #42

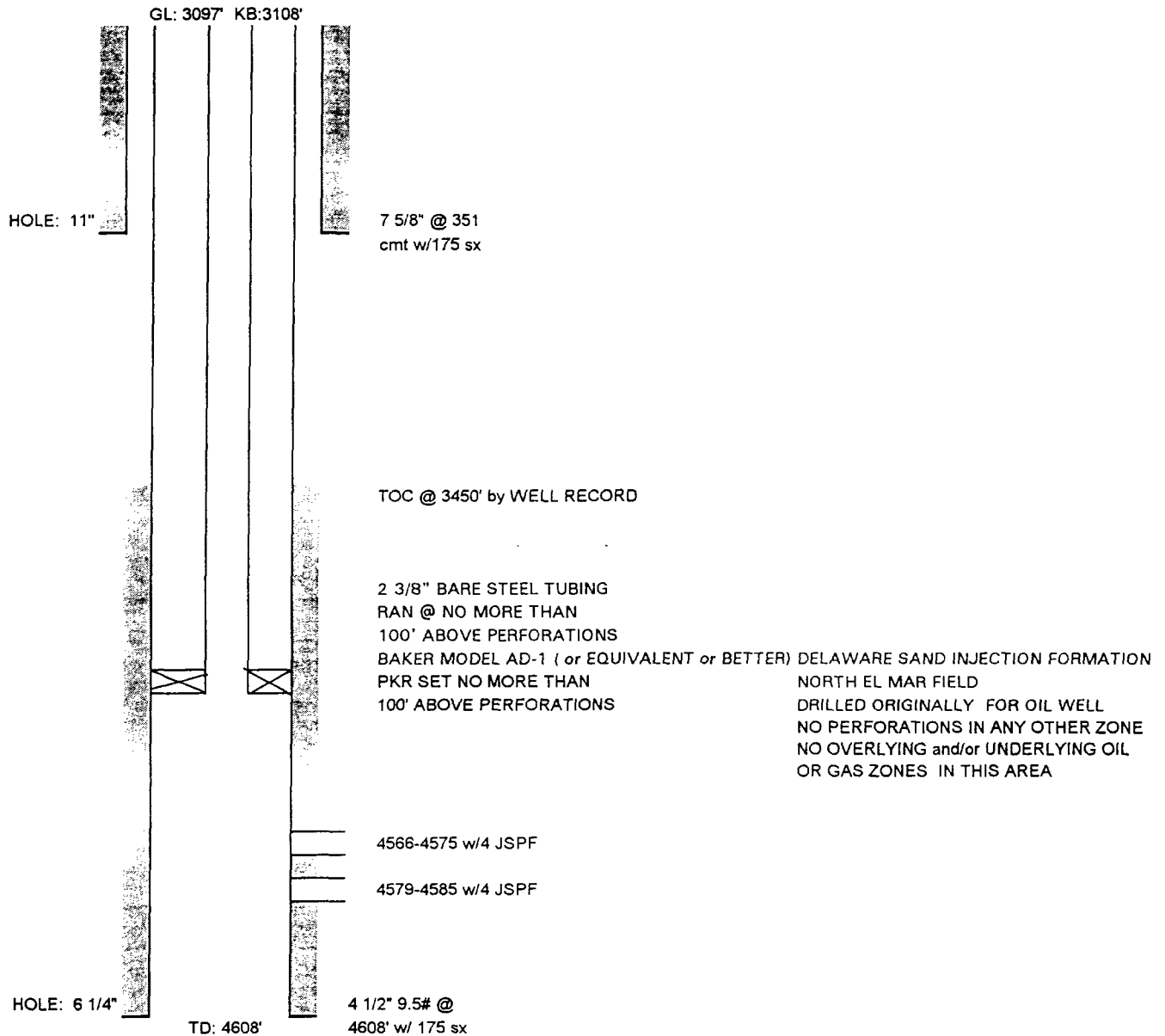
Status	(WIWSI) Formerly: State 36 #3
County & State	Lea County, New Mexico
Spud Date:	10/06/59
Completion	10/18/59
Total Depth	4,721'
Surface Casing	8 5/8" @ 366' 150 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,721' 250 sx TOC: 3,000' Hole Size: 6 3/4"
Tubing Size	2 3/8" bare steel tbg ran @ no more than 100' above perforations.
Perforations	4,617'-27', 4,627'-38'
Packer Size & Type	Baker Model AD-1 (or equivalent or better) packer set no more than 100' above perforations.
Bridge Plug, If one	

Quay Valley

North El Mar Unit #46
FORMERLY CONTINENTAL OIL BRADLEY 35 #4
 (API# 30-025-083110)
PROPOSED CO2 INJECTION CONFIGURATION

Spud Date: 12/30/59 Completion: 1/9/60

660' FWL & 1650' FEL
 Section 35, Township 26 South, Range 32 East
 Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #46

Status	(WIWSI) Formerly: Bradley 35 #4
County & State	Lea County, New Mexico
Spud Date:	12/30/59
Completion	01/09/60
Total Depth	4,608'
Surface Casing	7 5/8" @ 351' 175 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,608' 175 sx TOC: 3,450' Hole Size: 6 1/4"
Tubing Size	2 3/8" bare steel tbg ran @ no more than 100' above perforations.
Perforations	4,566'-75', 4,579'-85'
Packer Size & Type	Baker Model AD-1 (or equivalent or better) packer set no more than 100' above perforations.
Bridge Plug, If one	

Quay Valley

North El Mar Unit #48

Formerly Continental - Bradley #2

(API# 30-025-083090)

PROPOSED CO2 INJECTION CONFIGURATION

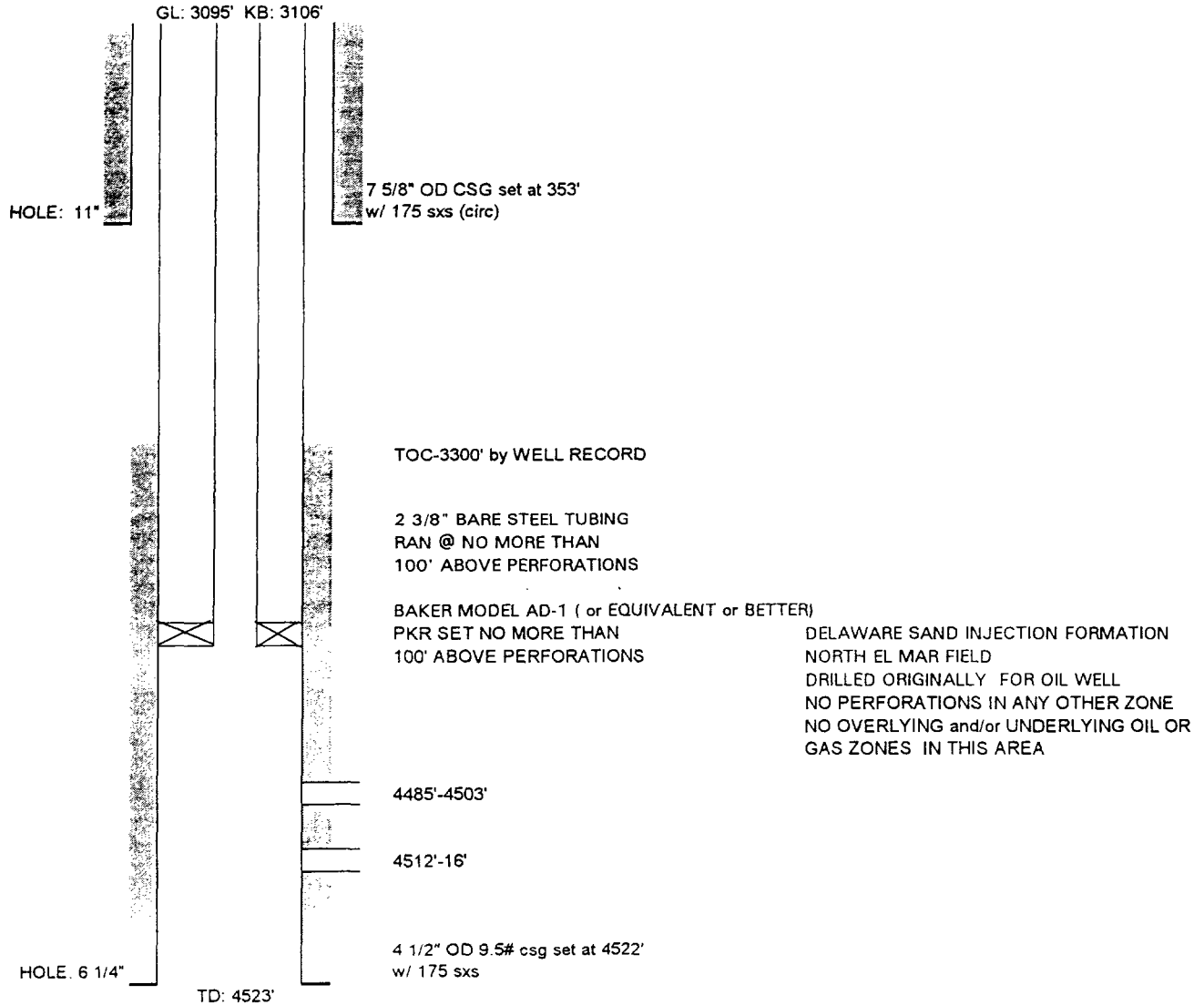
Spud Date: 11/16/59

Completion: 11/27/59

660' FNL & 660' FWL

Section 35, Township 26 South, Range 32 East

Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #48

Status	(WIWSI) Formerly: Bradley 35 #2
County & State	Lea County, New Mexico
Spud Date:	11/16/59
Completion	11/27/59
Total Depth	4,523'
Surface Casing	7 5/8" @ 353' 175 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,522' 175 sx TOC: 3,300' Hole Size: 6 1/4"
Tubing Size	2 3/8" bare steel tbg ran @ no more than 100' above perforations.
Perforations	4,485'-4,503', 4,512'-16'
Packer Size & Type	Baker Model AD-1 (or equivalent or better) packer set no more than 100' above perforations.
Bridge Plug, If one	

Quay Valley
North El Mar Unit #50
FORMERLY ELLIOT FEDERAL #1
(API# 30-025-083050)
PROPOSED CO2 INJECTION CONFIGURATION

Spud Date: 6/26/59 Completion: 7/09/59

Section 35, Township 26 South, Range 32 East

Lea County, NM

EL: 3111

GL: 3101 KB:

HOLE: NO RECORDS

8 5/8" 24# CSG. @ 273'
CMT ?

2 3/8" BARE STEEL TUBING
RAN @ NO MORE THAN
100' ABOVE PERFORATIONS

BAKER MODEL AD-1 (or EQUIVALENT or BETTER)
4 1/2" PKR SET NO MORE THAN
100' ABOVE PERFORATIONS

DELAWARE SAND INJECTION FORMATION
NORTH EL MAR FIELD
DRILLED ORIGINALLY FOR OIL WELL
NO PERFORATIONS IN ANY OTHER ZONE
NO OVERLYING and/or UNDERLYING
OIL OR GAS ZONES IN THIS AREA

HOLE: 6 3/4"

PB: 4540

TD: 4550'

4 1/2" 9.5# CSG @ 4540 W/125 SAX CMT
PERF: 4550-66

QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #50

Status	(WIW) Formerly: Elliot Federal #1
County & State	Lea County, New Mexico
Spud Date:	06/26/59
Completion	07/09/59
Total Depth	4,550'
Surface Casing	8 5/8" @ 273' 125 sx TOC: ? Hole Size: ?
Production Casing	4 1/2" @ 4,540' 125 sx TOC: ? Hole Size: ?
Tubing Size	2 3/8" bare steel tbg ran @ no more than 100' above perforations.
Perforations	4,450'-4,466'
Packer Size & Type	Baker Model AD-1 (or equivalent or better) packer set no more than 100' above perforations.
Bridge Plug, If one	

Quay Valley

North El Mar Unit #51

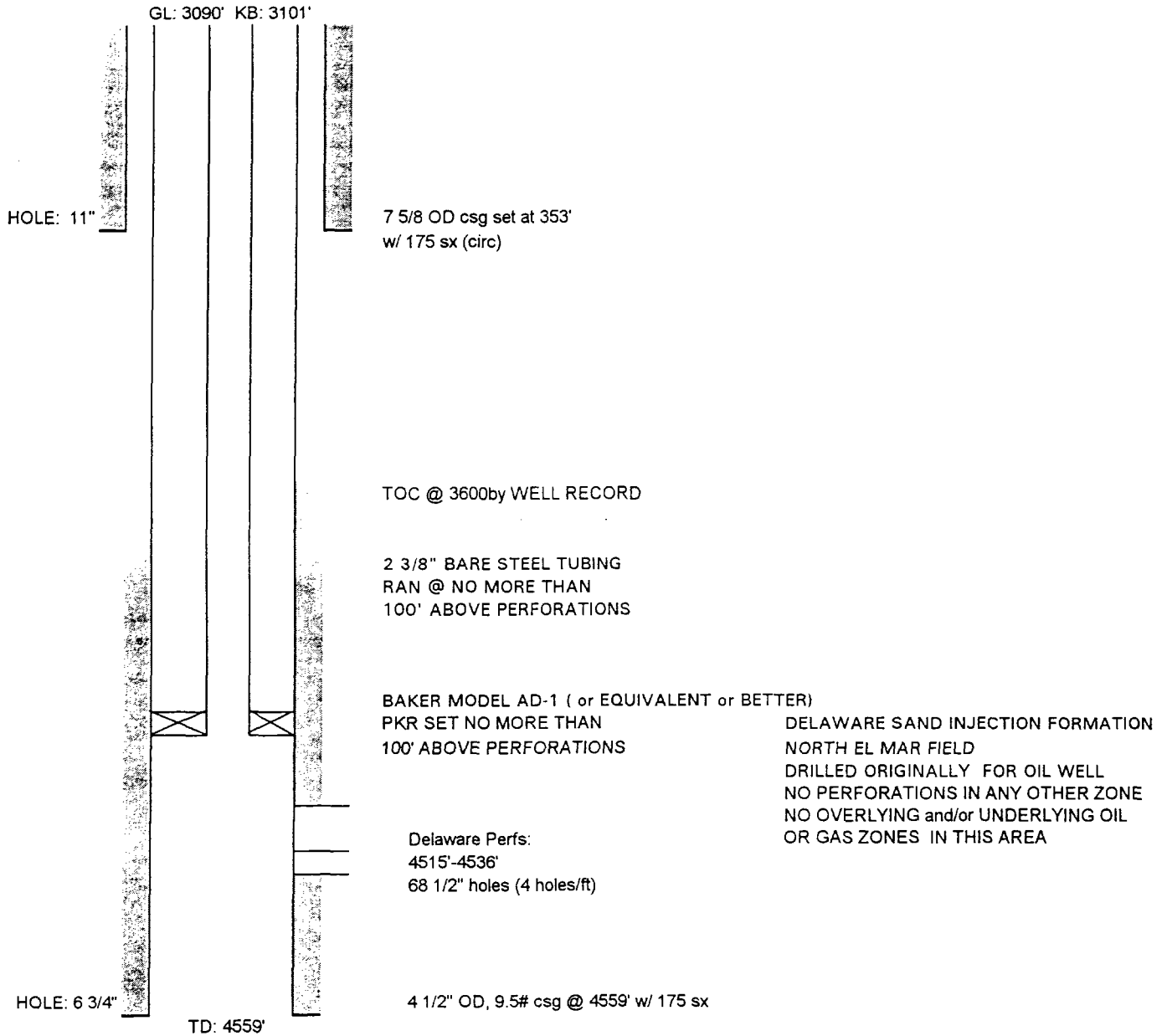
FORMERLY CONTINENTAL OIL PAYNE #6

(API# 30-025-083120)

PROPOSED CO₂ INJECTION CONFIGURATION

Spud Date: 12/10/59 Completion: 12/20/59

Section 35, Township 26 South, Range 32 East
Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #51

Status	(WIWSI) Formerly: Payne #6
County & State	Lea County, New Mexico
Spud Date:	12/10/59
Completion	12/20/59
Total Depth	4,559'
Surface Casing	7 5/8" @ 353' 175 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,559' 175 sx TOC: 3,600' Hole Size: 6 3/4"
Tubing Size	2 3/8" bare steel tbg ran @ no more than 100' above perforations.
Perforations	4,515'-23', 4,527'-36'
Packer Size & Type	Baker Model AD-1 (or equivalent or better) packer set no more than 100' above perforations.
Bridge Plug, If one	

Quay Valley

North El Mar Unit #52

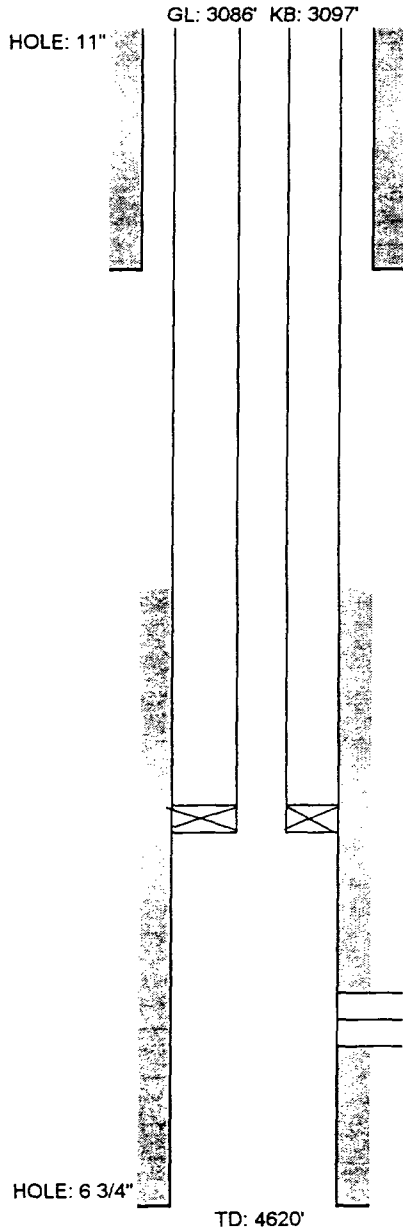
(API# 30-025-083130)

PROPOSED CO2 INJECTION CONFIGURATION

Spud Date: 8/27/59

Completion: 9/6/59

490' FSL & 330' FEL
Section 35, Township 26 South, Range 32 East
Lea County, NM



7 5/8 OD csg set at 353'
w/ 175 sx (circ)

TOC @ 3550' by WELL RECORD

2 3/8" BARE STEEL TUBING
RAN @ NO MORE THAN
100' ABOVE PERFORATIONS

BAKER MODEL AD-1 (or EQUIVALENT or BETTER)
PKR SET NO MORE THAN
100' ABOVE PERFORATIONS

Perfs-
4569'-77'
4583'-93'
4601'-06'

4 1/2" 9.5# csg @ 4620'

DELAWARE SAND INJECTION FORM
NORTH EL MAR FIELD
DRILLED ORIGINALLY FOR OIL WELL
NO PERFORATIONS IN ANY OTHER Z
NO OVERLYING and/or
UNDERLYING OIL OR GAS
ZONES IN THIS AREA

QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

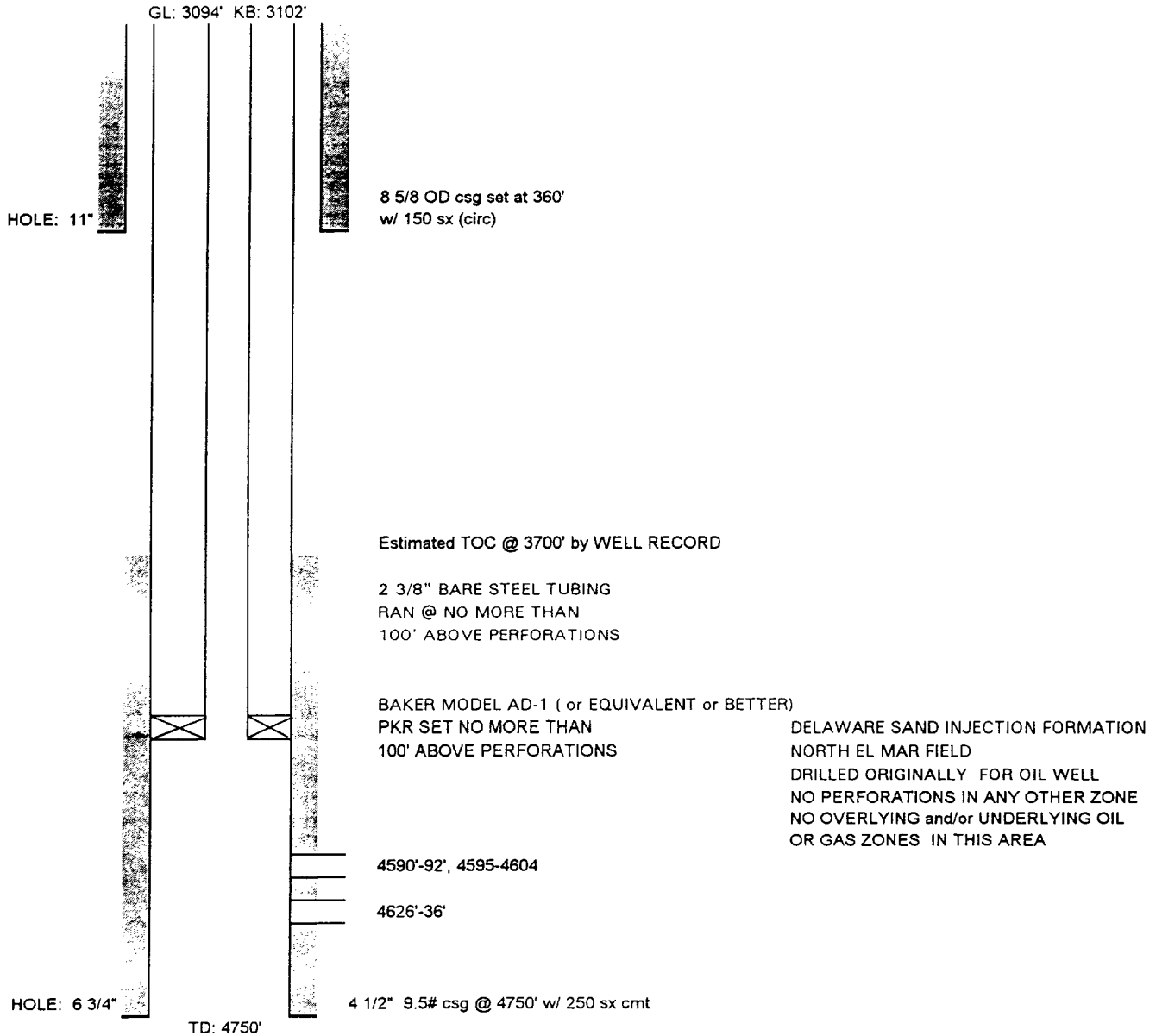
NEMU #52

Status	(WIWSI) Formerly: Payne #1
County & State	Lea County, New Mexico
Spud Date:	08/27/59
Completion	09/06/59
Total Depth	4,620'
Surface Casing	7 5/8" @ 353' 175 sx TOC: ? Hole Size: ?
Production Casing	4 1/2" @ 4,620' 175 sx TOC: ? Hole Size: ?
Tubing Size	2 3/8" bare steel tbg ran @ no more than 100' above perforations.
Perforations	4,569'-4,606'
Packer Size & Type	Baker Model AD-1 (or equivalent or better) packer set no more than 100' above perforations.
Bridge Plug, If one	

Quay Valley
North El Mar Unit #54
FORMERLY KERN COUNTY LAND STATE 36 #5
(API# 30-025-083180)
PROPOSED CO2 INJECTION CONFIGURATION

Spud Date: 8/7/59 Completion: 8/19/59

543' FSL & 2108' FWL
Section 36, Township 26 South, Range 32 East
Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #54

Status	(WIWSI) Formerly: State 36 #5
County & State	Lea County, New Mexico
Spud Date:	08/07/59
Completion	08/19/59
Total Depth	4,750'
Surface Casing	8 5/8" @ 360' 150 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" to 4,750' 250 sx TOC: 3,700' Hole Size: 6 3/4"
Tubing Size	2 3/8" bare steel tbg ran @ no more than 100' above perforations.
Perforations	4,590'-92', 4,595'-4,604', 4,626'-36'
Packer Size & Type	Baker Model AD-1 (or equivalent or better) packer set no more than 100' above perforations.
Bridge Plug, If one	

Quay Valley

North El Mar Unit #58

(API# 30-025-249080)

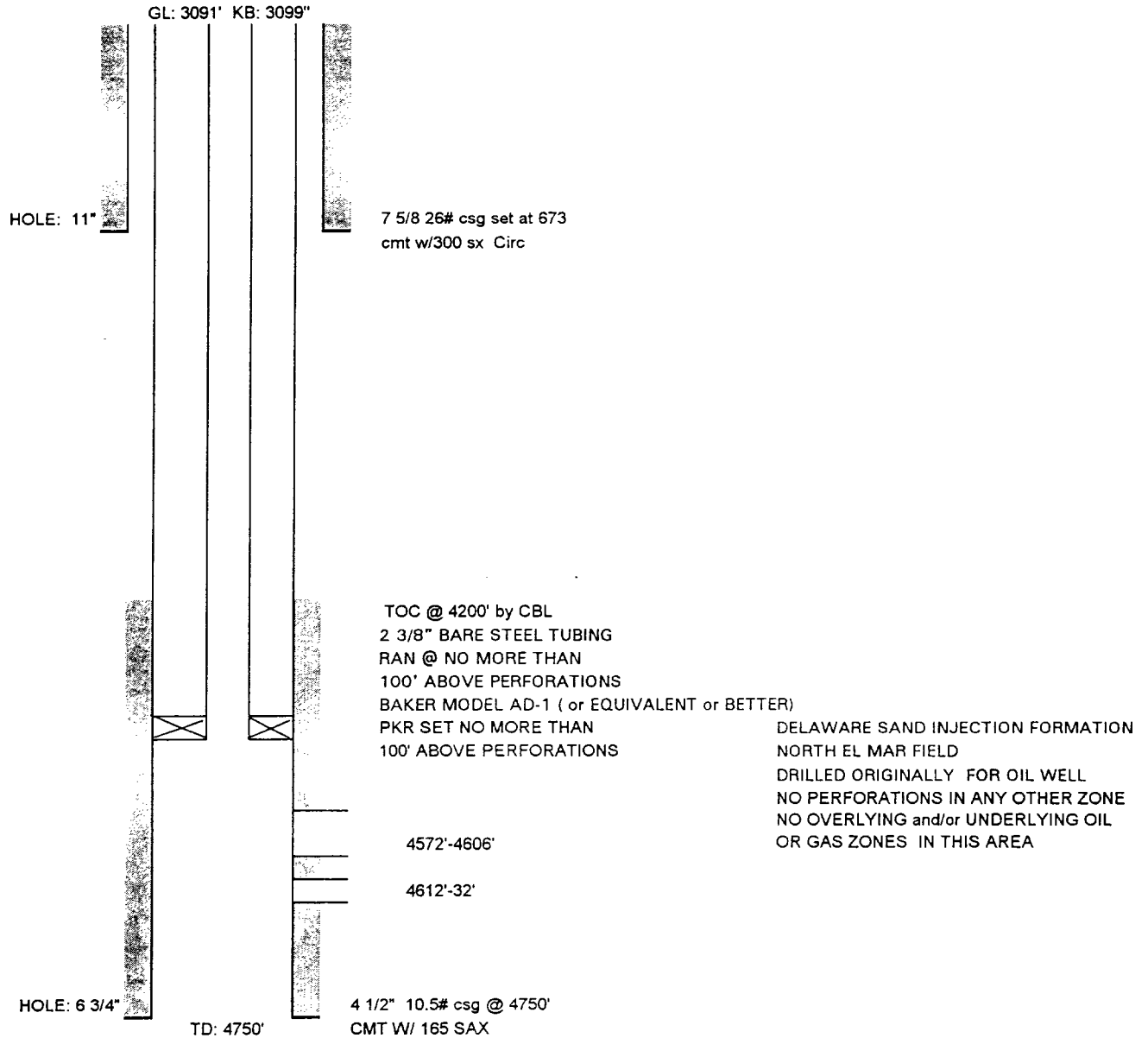
PROPOSED CO2 INJECTION CONFIGURATION

Spud Date: 3/25/75 Completion: 7/01/75

770' FNL & 990' FWL

Section 36, Township 26 South, Range 32 East

Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #58

Status	(WIWSI)
County & State	Lea County, New Mexico
Spud Date:	03/25/75
Completion	07/01/75
Total Depth	4,750'
Surface Casing	7 5/8" @ 673' 300 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,750' 165 sx TOC: 4,200' Hole Size: 6 3/4"
Tubing Size	2 3/8" bare steel tbg ran @ no more than 100' above perforations.
Perforations	4,572'-4,606', 4,612'-32'
Packer Size & Type	Baker Model AD-1 (or equivalent or better) packer set no more than 100' above perforations.
Bridge Plug, If one	

Quay Valley

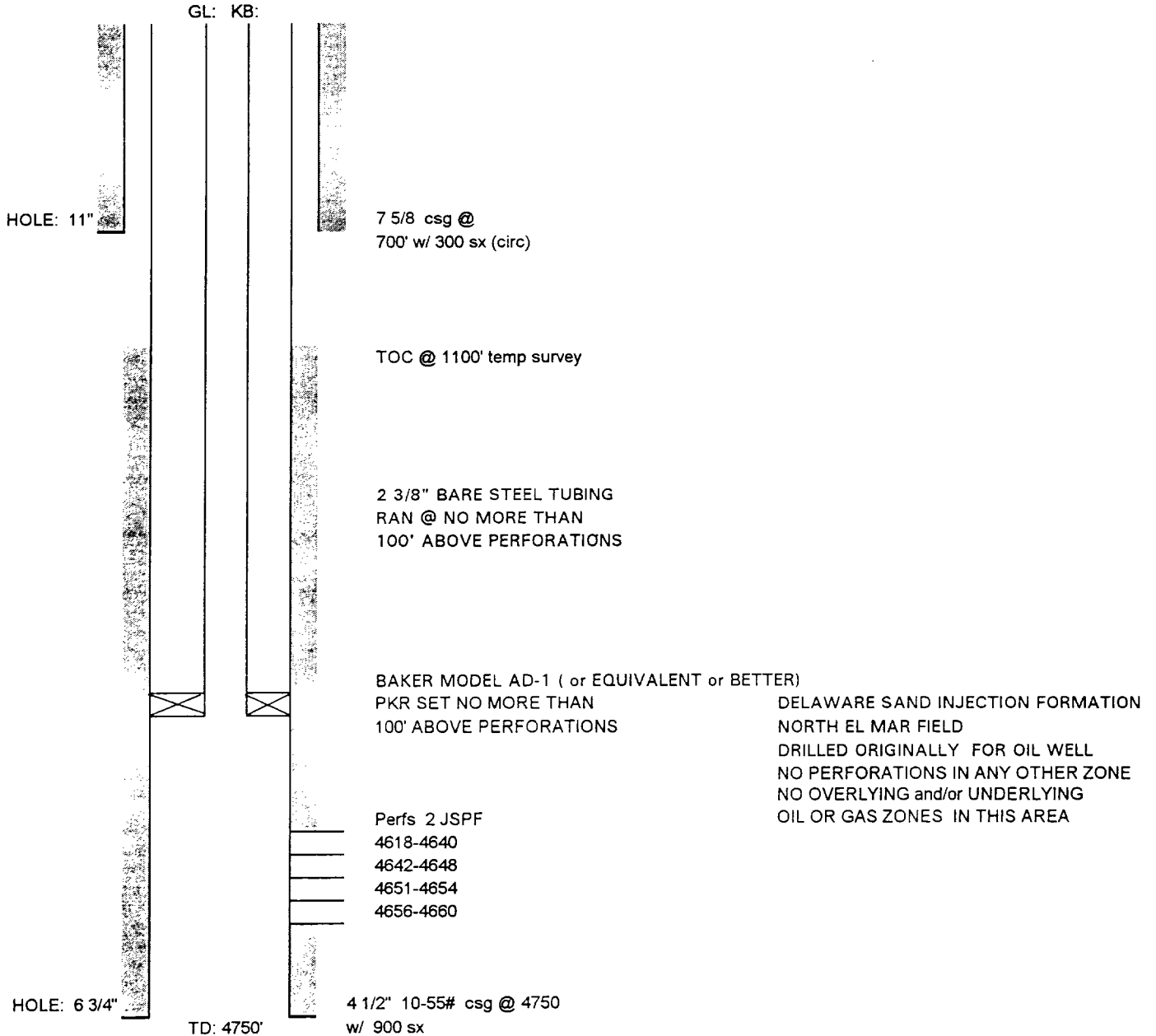
North El Mar Unit #62

(API# 30-025-254220)

PROPOSED CO2 INJECTION CONFIGURATION

Spud Date: 1/14/77 Completion: 2/14/77

Section 36, Township 26 South, Range 32 East
Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #62

Status	(WIWSI)
County & State	Lea County, New Mexico
Spud Date:	01/14/77
Completion	02/14/77
Total Depth	4,750'
Surface Casing	7 5/8" @ 700' 300 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,750' 900 sx TOC: 1,100' Hole Size: 6 3/4"
Tubing Size	2 3/8" bare steel tbg ran @ no more than 100' above perforations.
Perforations	4,618'-40', 4,642'-48', 4,651'-54', 4,656'-60'
Packer Size & Type	Baker Model AD-1 (or equivalent or better) packer set no more than 100' above perforations.
Bridge Plug, If one	

[illegible]

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE

Wells Located within NEMU boundaries
other than Injection wells.

QUAY VALLEY, INC

North Elmar Unit #1

FORMERLY CONTINENTAL FEDERAL LITTLEFIELD "DR" #1

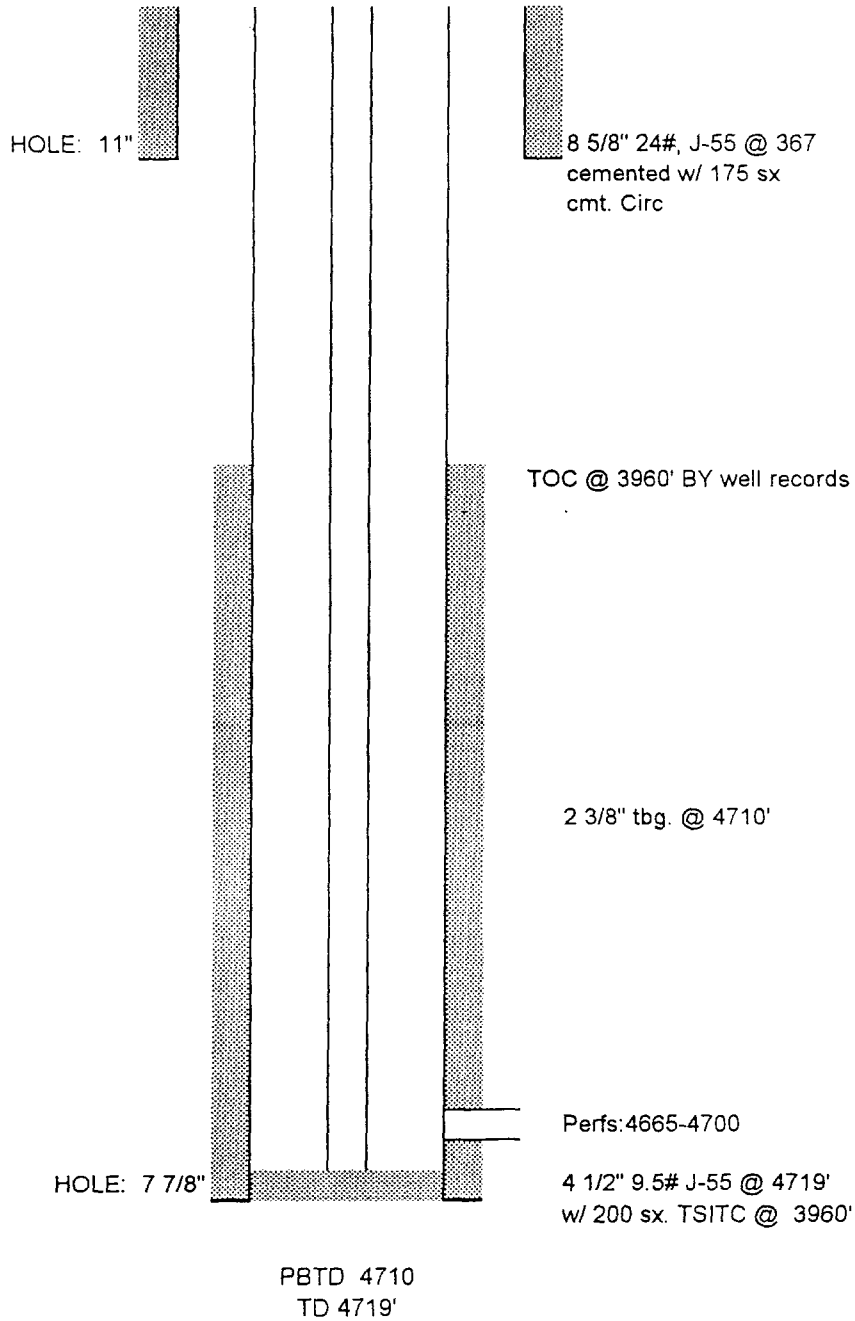
(NMOCD # , API# 30-025-082680)

330' FSL & 1650' FEL

Section 24, T-26-S, R-32-E

Lea County, New Mexico

SPUD DATE: 3/11/60 COMPLETION DATE: 3/31/60



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #1

STATUS	(POW) Formerly: Federal Littlefield "DR" #1
County & State	Lea County, New Mexico
Spud Date:	03/11/60
Completion	03/31/60
Total Depth	4,719' (Plug back to 4,710')
Surface Casing	8 5/8" @ 367' 175 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,719' 200 sx TOC: 3,960' Hole Size: 7 7/8"
Tubing Size	4,710' OF 2 3/8"
Perforations	4,665'-4,700'
Packer Size & Type	
Bridge Plug, If one	

QUAY VALLEY, INC

North El Mar Unit #2

FORMERLY KERN COUNTY LAND GULF FEDERAL #1

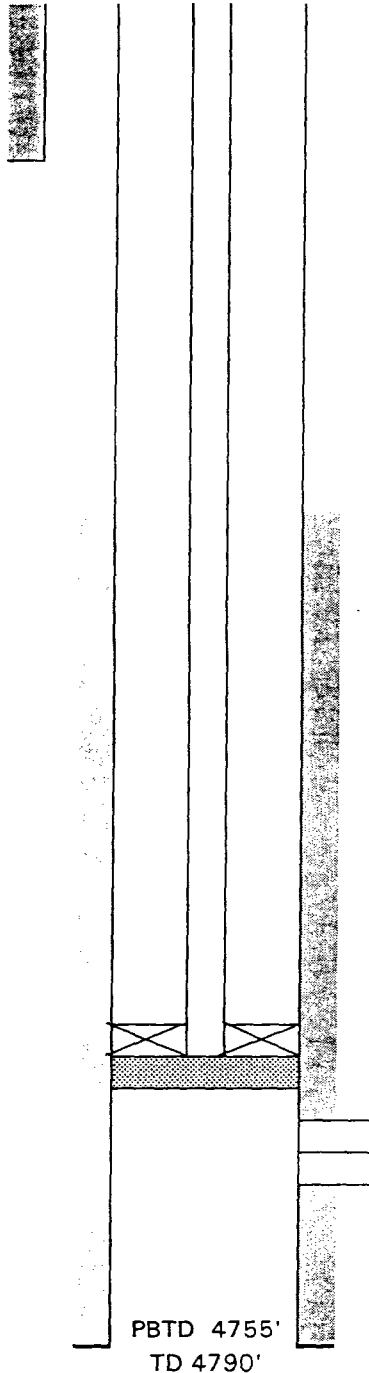
(NMOCD # _____, API# 30-025-082690)

660' FSL & 600' FEL
Section 24, T-26-S, R-32-E
Lea County, New Mexico

SPUD DATE: 3/14/59 COMPLETION: 3/27/59

EL: 3149' DF: 3139'

"0"-8' AGL



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

TOC @ 3000 by WELL RECORDS

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.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #2

STATUS	(WIW) Formerly: Gulf Federal #1
County & State	Lea County, New Mexico
Spud Date:	03/14/59
Completion	03/27/59
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 Elmar Unit #3

FORMERLY ANTWEIL MORRIS R FEDERAL LITTLEFIELD DQ 1-X

(NMOCD # , API# 30-025-084200)

330' FSL & 330' FWL

Section 19, T-26-S, R-33-E

Lea County, New Mexico

SPUD DATE: 6/30/61

COMPLETION DATE: 7/17/61

KB: 3153' GL: 3143'



8 5/8" 32# casing @ 377'
cemented w/ 225 sx
cmt. Circ

TOC @ ? by well record

149 jts 2 3/8' tubing & OPSMA
w/ SN @ 4645'

Elder CIBP @ 4650'

5 1/2" ,14#,15.5#,& 17# @
4702' w/ 100 sx

OPEN HOLE @ 4702' - 10'

TD 4710'

QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #3

Status	(TA) Formerly: Federal Littlefield "DQ" 1-X
County & State	Lea County, New Mexico
Spud Date:	06/30/61
Completion	07/17/61
Total Depth	4,710'
Surface Casing	8 5/8" @ 377' 225 sx TOC: surface Hole Size:
Production Casing	5 1/2" @ 4,702' 100 sx TOC: Hole Size:
Tubing Size	149 jts of 2 3/8" @ 4,645'
Perforations	Open hole.
Packer Size & Type	
Bridge Plug, If one	Elder CIBP @ 4,650'

QUAY VALLEY, INC

North El Mar Unit #4

FORMERLY PENROSE PRODUCTION CO. BROWN FEDERAL #1

(NMOCD # _____, API# 30-025-084360)

990' FNL & 330' FWL

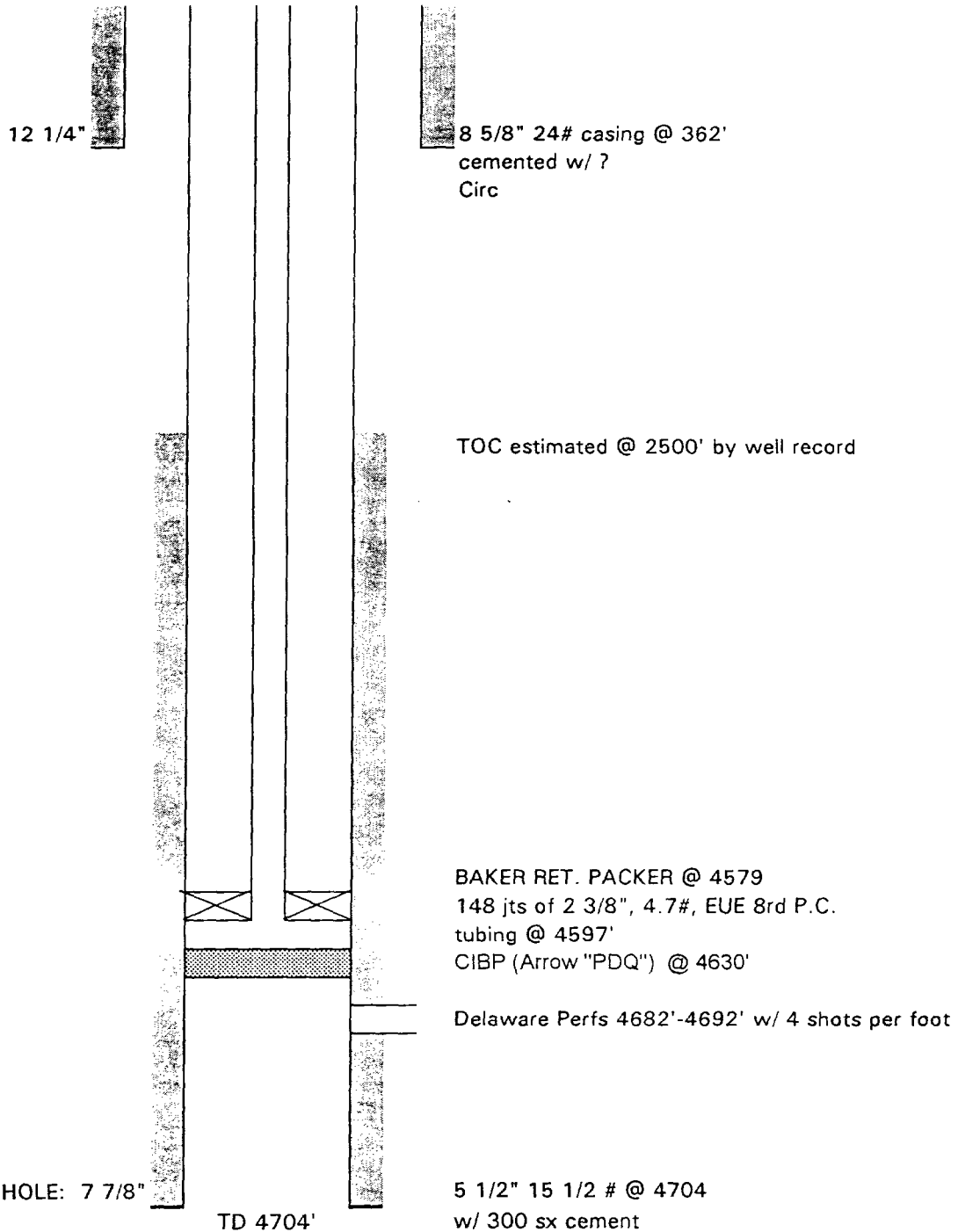
Section 30, T-26-S, R-33-E

Lea County, New Mexico

EL: 3145'

GL: 3137' KB: 3147'

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



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' _____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" @ 4,597'	
Perforations	4,682'-92'	
Packer Size & Type	Baker retension @ 4,579'	
Bridge Plug, If one	Arrow "PDQ" CIBP @ 4,630'	

QUAY VALLEY, INC

North El Mar Unit #5

FORMERLY WORLDWIDE PETROLEUM MELISSA FEDERAL #1

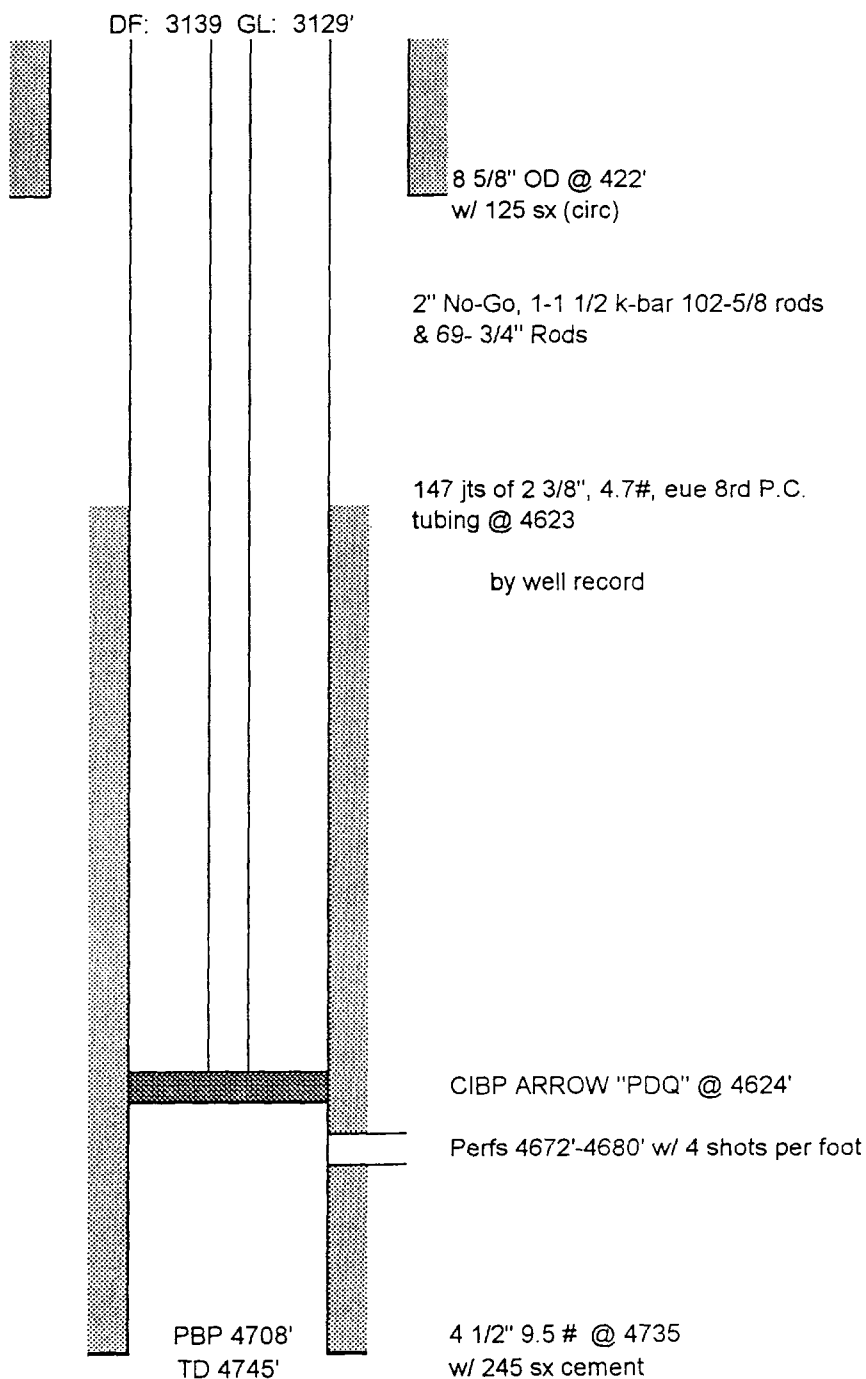
(NMOCD # ____, API# 30-025-082720)

660' FNL & 660' FEL

Section 25, T-26-S, R-32-E
Lea County, New Mexico

SPUD DATE: 7/20/59

COMPLETION DATE: 7/27/59



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #5

Status	(TA)	Formerly: Melissa Federal #1
County & State	Lea County, New Mexico	
Spud Date:	07/20/59	
Completion	07/27/59	
Total Depth	4,745'	
Surface Casing	8 5/8" @ 422'	125 sx TOC: Surface Hole Size:
Production Casing	4 1/2" @ 4,735'	245 sx TOC: Hole Size:
Tubing Size	147 jts of 2 3/8" @ 4,623'	
Perforations	4,672'-80'	
Packer Size & Type		
Bridge Plug, If one	Arrow "PDQ" CIBP @ 4,624'	

QUAY VALLEY, INC

North El Mar Unit #7

FORMERLY CONTINENTAL OIL WILDER #15

(NMOCD # ____, API# 30-025-082860)

660' FNL & 1980' FWL

Section 25, T-26-S, R-32-E

Lea County, New Mexico

SPUD DATE: 11/29/59

COMPLETION DATE: 12/13/59

"0"-11' AGL

HOLE: 11" _____

7 5/8"-24#-H-40 @ 353
w/175 sx circ

TBG-2 3/8" EUE 8rd J-55, 150 JTS
w/ OPMA Set @ 4659' SN @ 4659'

TOC @ 2900 BY TS

Rods- 114 3/4, 68 5/8", 12' pump-
2 x 1 1/2 x 12

CIBP @ 4610' ELDER 4 1/2"

PERFS 4630-4644 W/4 JSPF

HOLE: 6 1/4" _____

PBD: 4668'
TD 4675

4 1/2" - 9.50# J-55 @ 4675
w/ 375sx

QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #7

Status	(TA)	Formerly: Wilder #15
County & State	Lea County, New Mexico	
Spud Date:	11/29/59	
Completion	12/13/59	
Total Depth	4,675'	
Surface Casing	7 5/8" @ 353' 175 sx Hole Size: 11"	TOC: Circ. to Surface
Production Casing	4 1/2" @ 4,675 375 sx Hole Size: 6 1/4"	TOC: 2,900'
Tubing Size	2 3/8" @ 4,659'	
Perforations	4,630'-44'	
Packer Size & Type		
Bridge Plug, If one	Elder 4 1/2" cement retention @ 4,610'	

QUAY VALLEY, INC

North El Mar Unit #9

FORMERLY CONTINENTAL OIL WILDER #26

(NMOCD # ___, API# 30-025-082980)

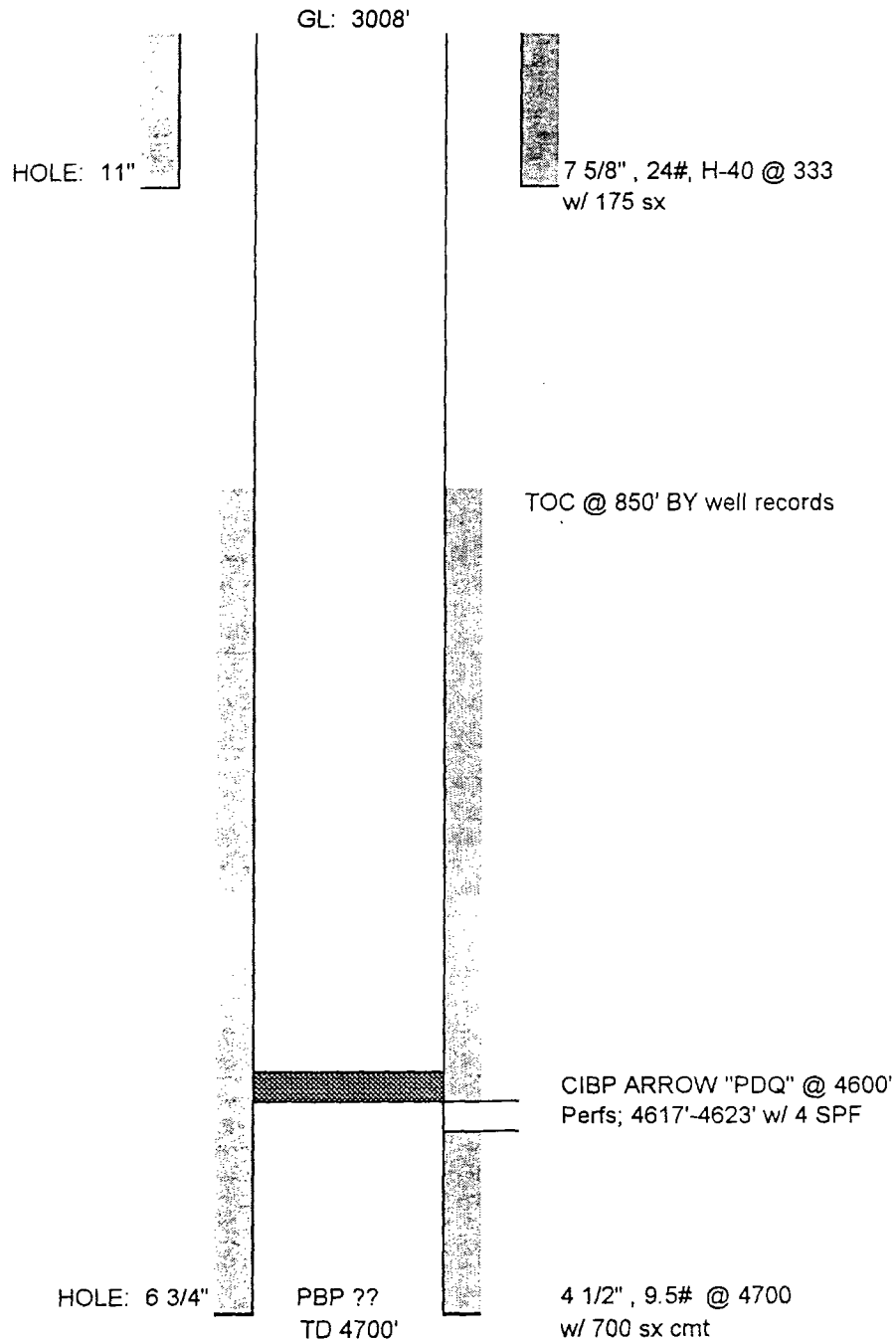
990' FNL & 660' FEL

Section 26, T-26-S, R-32-E

SPUD DATE: 7/22/60

COMPLETION DATE: 8/13/60

Lea County, New Mexico



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #9

Status	(TA) Formerly: Wilder #26
County & State	Lea County, New Mexico
Spud Date:	07/22/60
Completion	08/13/60
Total Depth	4,700'
Surface Casing	7 5/8" @ 333' 175 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,700' 700 sx TOC: 850' Hole Size: 6 3/4"
Tubing Size	2 3/8" (nothing in wellbore)
Perforations	4,617'-23'
Packer Size & Type	
Bridge Plug, If one	Arrow "PDQ" CIBP @ 4,600'

QUAY VALLEY, INC

North El Mar Unit #10

FORMERLY CONTINENTAL OIL WILDER #27

(NMOCD # ____, API# 30-025-082990)

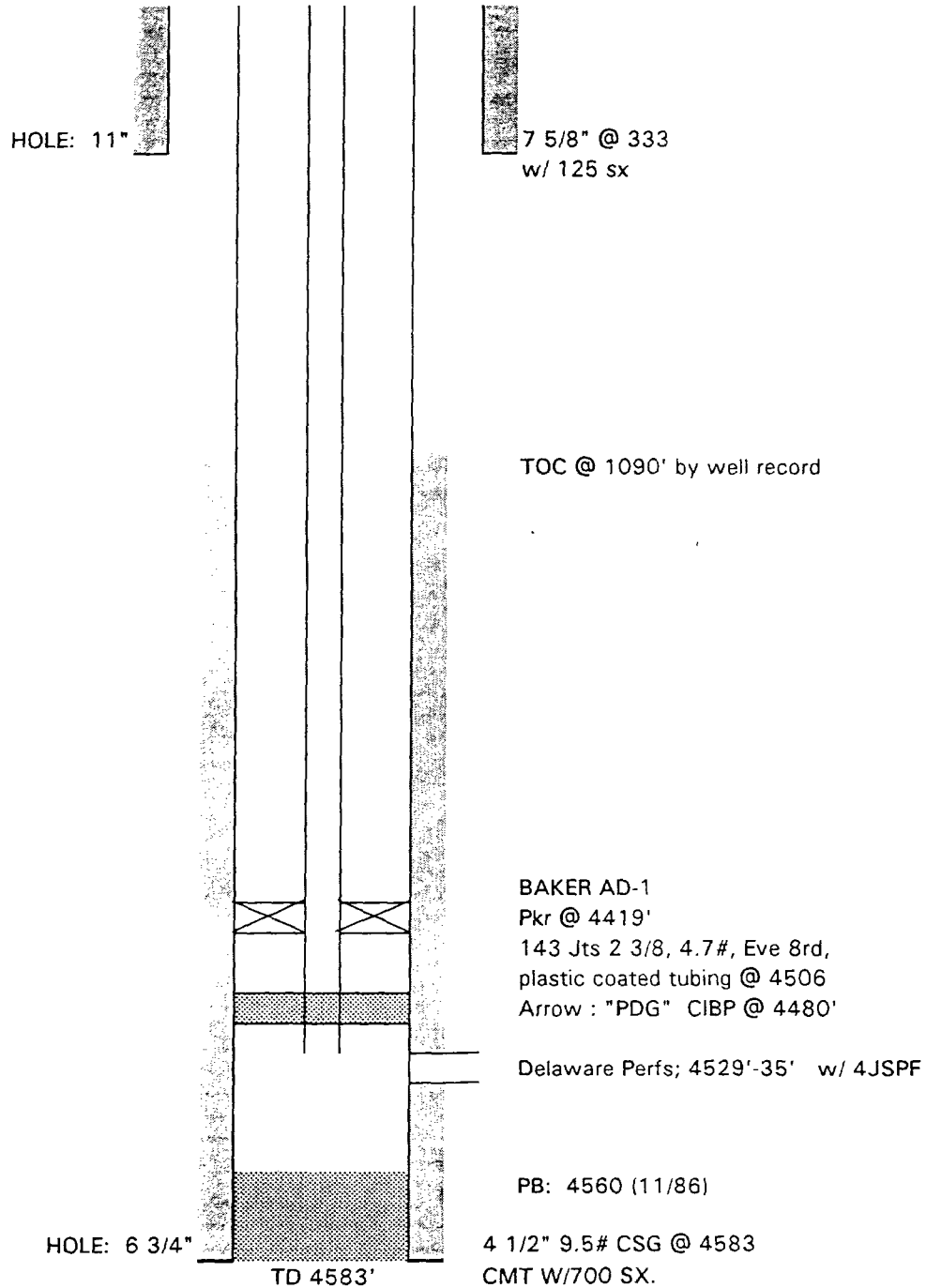
980' FNL & 1980' FEL

Section 26, T-26-S, R-32-E

Lea County, New Mexico

SPUD: 8/3/60 COMPLETION: 8/12/60

GL: 3097, KB: 3108



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #10

Status	(WIWSI)	Formerly: Wilder #27
County & State	Lea County, New Mexico	
Spud Date:	08/03/60	
Completion	08/12/60	
Total Depth	4,583'	
Surface Casing	7 5/8" @ 333' 125 sx	TOC:
	Hole Size: 11"	
Production Casing	4 1/2" @ 4,583' 700 sx	TOC: 1,090'
	Hole Size: 6 3/4"	
Tubing Size	2 3/8" @ 4,506'	
Perforations	4,529'-35'	
Packer Size & Type	Baker AD-1 @4,419'	
Bridge Plug, If one	Arrow "PDQ" CIBP @ 4,480' Retension.	

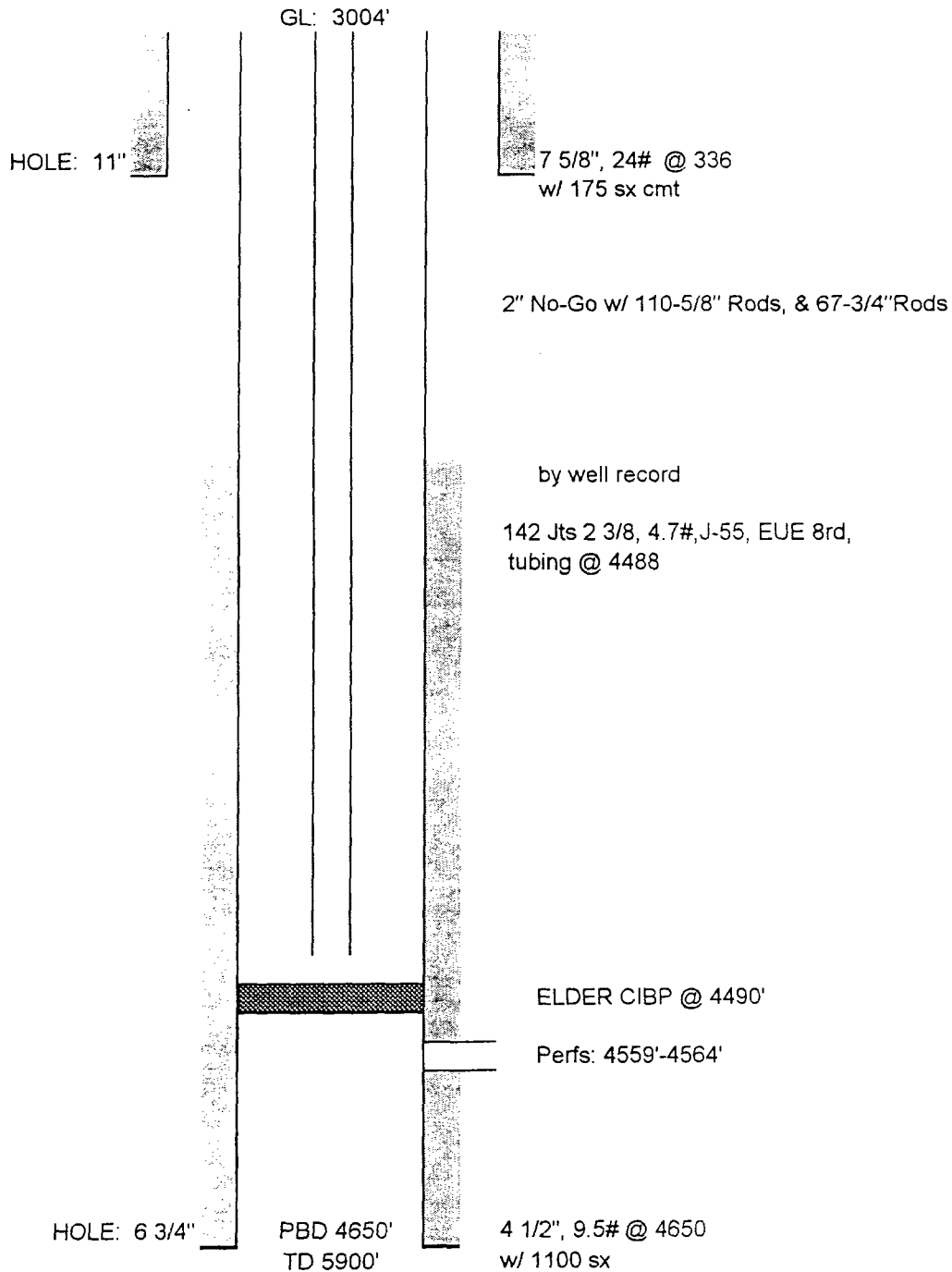
QUAY VALLEY, INC

North El Mar Unit #11

FORMERLY CONTINENTAL OIL WILDER #25
(NMOCD # ____, API# 30-025-082970)

1980' FNL & 1980' FEL
Section 26, T-26-S, R-32-E
Lea County, New Mexico

SPUD DATE: 6/24/60 COMPLETION DATE: 7/17/60



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #11

Status	(TA)	Formerly: Wilder #25
County & State	Lea County, New Mexico	
Spud Date:	06/24/60	
Completion	07/17/60	
Total Depth	5,900' PBTD @ 4,650'	
Surface Casing	7 5/8" @ 336' 175 sx	TOC: Surface
	Hole Size: 11"	
Production Casing	4 1/2" @ 4,650' 1,100 sx	TOC:
	Hole Size: 6 3/4"	
Tubing Size	2 3/8" @ 4,488'	
Perforations	4,559'-64'	
Packer Size & Type		
Bridge Plug, If one	Elder CIBP @ 4,490'	

QUAY VALLEY, INC
North El Mar Unit #13
FORMERLY CONTINENTAL OIL WILDER #14
(NMOCD # ____, API# 30-025-082850)

1980' FNL & 660 FWL
Section 26, T-26-S, R-32-E
Lea County, New Mexico

SPUD DATE: 11/01/59 COMPLETION DATE: 11/16/59

HOLE: 11 5/8"

7 5/8", 24# @ 353
w/ 175 sx cmt

TOC @ 3810' BY well records

2 3/8 TUBING @ 4645

Perfs: 4613-4645

HOLE: 6 3/4"

PBD ?
TD 4654

4 1/2", 9.5# @ 4654
w/ 175 SX

QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #13

Status	(POW) Formerly: Wilder #14
County & State	Lea County, New Mexico
Spud Date:	11/01/59
Completion	11/16/59
Total Depth	4,654'
Surface Casing	7 5/8" @ 353' 175 sx TOC: Surface Hole Size: 11 5/8"
Production Casing	4 1/2" @ 4,654' 175 sx TOC: 3,810' Hole Size: 6 3/4"
Tubing Size	2 3/8" @ 4,645'
Perforations	4,613'-45'
Packer Size & Type	
Bridge Plug, If one	

QUAY VALLEY, INC

North El Mar Unit #15

FORMERLY CONTINENTAL OIL WILDER #8

(NMOCD # ____, API# 30-025-082790)

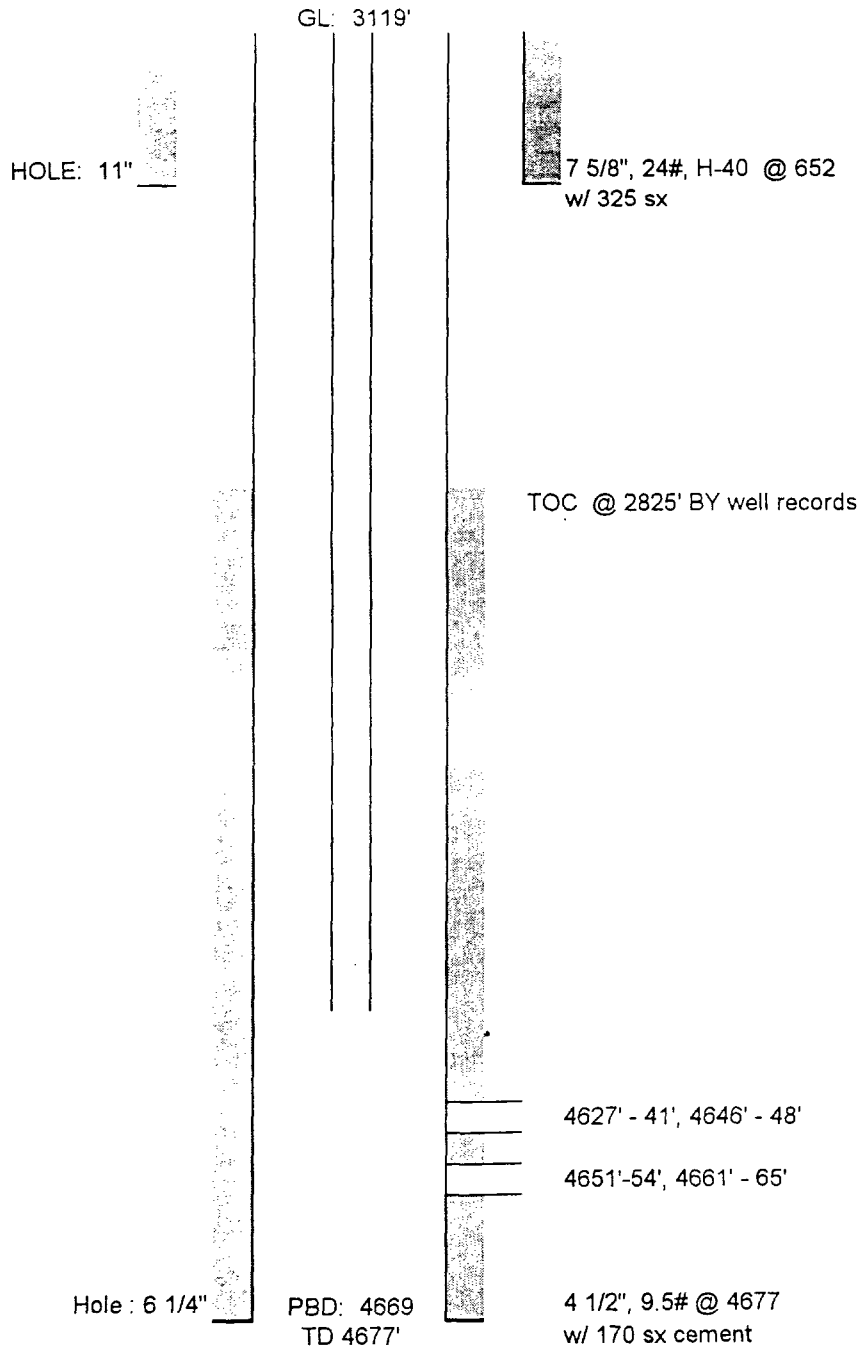
1980' FNL & 1980' FEL

Section 25, T-26-S, R-32-E

Lea County, New Mexico

SPUD DATE: 7/23/59

COMPLETION DATE: 8/2/59



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #15

Status	(POW) Formerly: Wilder #8
County & State	Lea County, New Mexico
Spud Date:	07/23/59
Completion	08/02/59
Total Depth	4,677' PBTD 4,669' +/-
Surface Casing	7 5/8" @ 652' 325 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,677' 170 sx TOC: 2,825' Hole Size: 6 1/4"
Tubing Size	2 3/8"
Perforations	4,627'-41', 4,646'-48', 4,651'-54', 4,661'-65'
Packer Size & Type	
Bridge Plug, If one	Arrow "PDQ" CIBP @ 4,580' Cement plug top - 669' bottom - 861' 9/25/95 drilled hard cement from 665' to 860'. Drilled out CIBP.

Quay Valley, INC

North El Mar Unit #17

FORMERLY CONTINENTAL OIL PAYNE #2

(NMOCD #?, API# 30-025-084300)

1880' FNL & 660' FWL

Spud Date: 9/7/59

Completion: 9/18/59

Section 30, Township 26 South, Range 33 East

Lea County, NM

GL: 3126' KB:????

HOLE: 11"

7 5/8" OD @ 326
w/ 175 sx (circ)

TOC @ 3450' BY WELL RECORD

4695'-4708' w/ 4 JSPF

HOLE: 6 1/4"

TD: 4742'

CIBP @ 4742'
4 1/2" 9.5# @ 4742
w/ 175 sx

QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

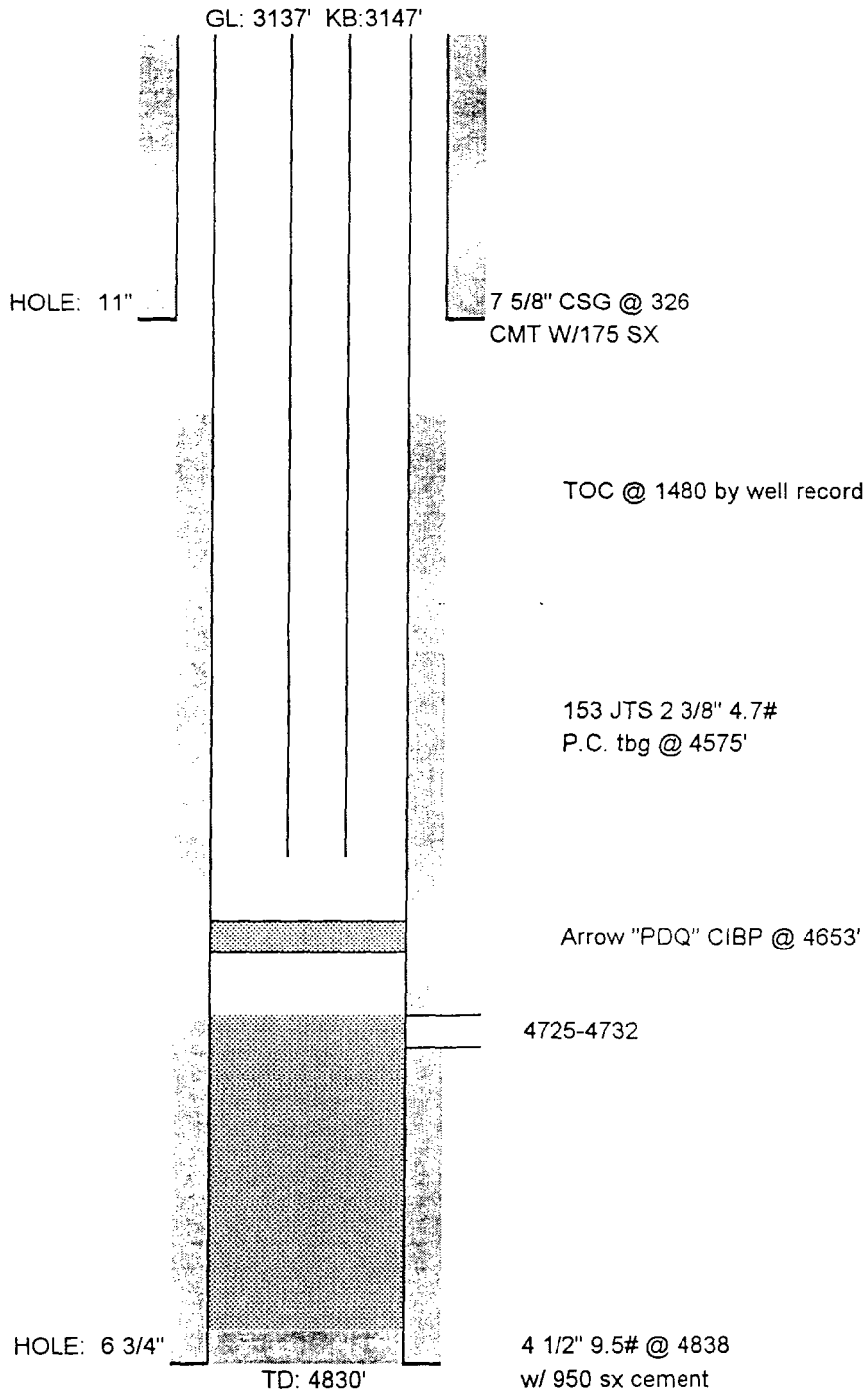
NEMU #17

Status	(TA)	Formerly: Payne #2
County & State	Lea County, New Mexico	
Spud Date:	09/07/59	
Completion	09/18/59	
Total Depth	4,742'	
Surface Casing	7 5/8" @ 326' 175 sx	TOC: Surface
	Hole Size: 11"	
Production Casing	4 1/2" @ 4,742' 175 sx	TOC: 3,450'
	Hole Size: 6 1/4"	
Tubing Size	1/27/95 took out 2 3/8"	
Perforations	4,695'-4,708'	
Packer Size & Type		
Bridge Plug, If one	Arrow "PDQ" CIBP @ 4,672. Knocked down to 4,742'.	

Quay Valley
North El Mar Unit #18
FORMERLY CONTINENTAL OIL PAYNE #8
(NMOCD #?, API# 30-025-084340)

1880' FNL & 1650' FWL
Section 30, Township 26 South, Range 33 East
Lea County, NM

Spud Date: 3/28/60 Completion: 4/9/60



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #18

Status	(WIWSI)	Formerly: Payne #8
County & State	Lea County, New Mexico	
Spud Date:	03/28/60	
Completion	04/09/60	
Total Depth	4,830'	
Surface Casing	7 5/8" @ 326' 175 sx	TOC: Surface
	Hole Size: 11"	
Production Casing	4 1/2" @ 4,838' 950 sx	TOC: 1,480'
	Hole Size: 6 3/4"	
Tubing Size	2 3/8" @ 4,575'	
Perforations	4,725'-32'	
Packer Size & Type		
Bridge Plug, If one	Arrow "PDQ" CIBP @ 4,653'	

Quay Valley, INC

North El Mar Unit #19

FORMERLY CONTINENTAL OIL PAYNE #4

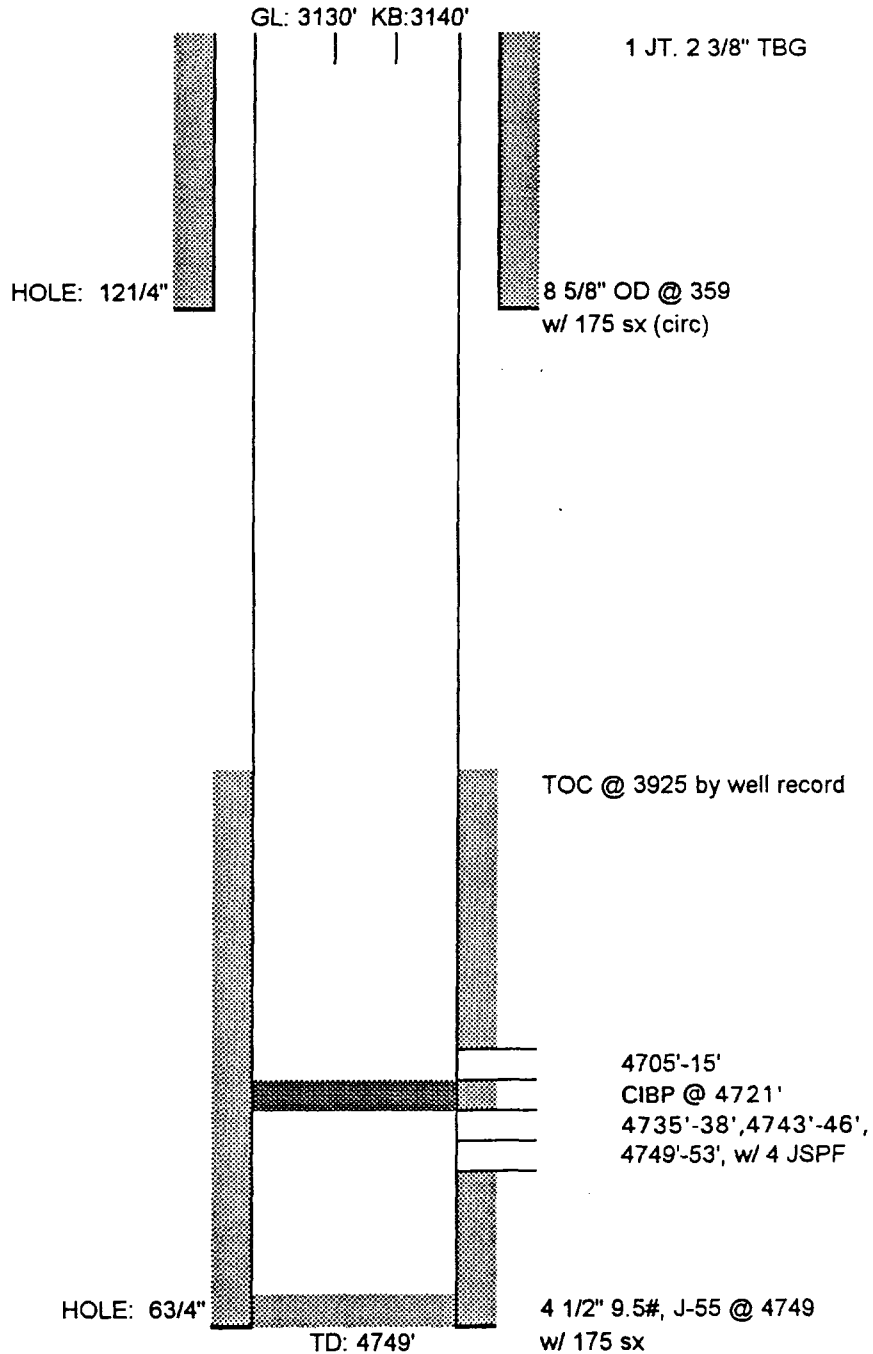
(NMOCD #7, API# 30-025-084320)

1980' FSL & 1980' FWL

Spud Date: 10/21/59 Completion: 10/31/59

Section 30, Township 26 South, Range 33 East

Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #19

Status	(TA)	Formerly: Payne #4
County & State	Lea County, New Mexico	
Spud Date:	10/21/59	
Completion	10/31/59	
Total Depth	4,749'	
Surface Casing	8 5/8" @ 359' 175 sx	TOC: Surface
	Hole Size: 12 1/4"	
Production Casing	4 1/2" @ 4,749' 175 sx	TOC: 3,925'
	Hole Size: 6 3/4"	
Tubing Size	2 3/8" @ 4,666'	
Perforations	4,705'-15', 35', 38', 43', 46', 49', 53'	
Packer Size & Type		
Bridge Plug, If one	Elder CIBP @ 4,667' Knocked down to 4,721"	

Quay Valley, INC

North El Mar Unit #21

FORMERLY CONTINENTAL OIL WILDER #13

(NMOCD #7, API# 30-025-082840)

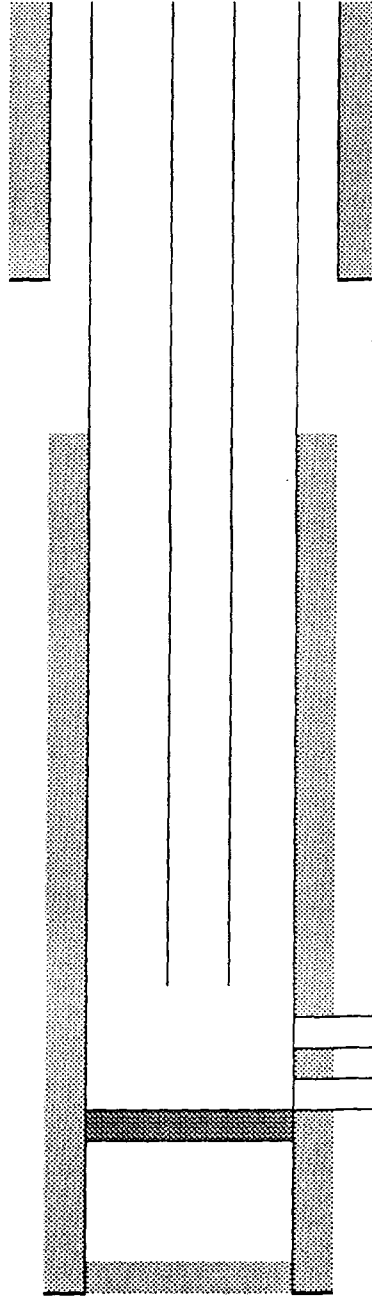
1980' FSL & 660' FEL

Spud Date: 10/11/59 Completion: 10/29/59

Section 25, Township 26 South, Range 32 East

Lea County, NM

GL: 3111' KB: 3122'



7 5/8" 24# H-40 @ 356
w/ 175 sx (circ)

TOC @ 3600' by well record

148 JTS 2 3/8" OD, 4.7#
J-55, EUE TBG @ 4613'

4638'-48', 4655'-57'

4659'-61' w/ 4 JSPF
CIBP @ 4670'

4 1/2" 9.5#, J-55 @ 4690
w/ 175 sx

TD: 4690'
PBD: 4687'

QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #21

Status	(POW)	Formerly: Wilder #13
County & State	Lea County, New Mexico	
Spud Date:	10/11/59	
Completion	10/29/59	
Total Depth	4,690' PBTD @ 4,687'	
Surface Casing	7 5/8" @ 356' 175 sx	TOC: Surface
	Hole Size:	
Production Casing	4 1/2" @ 4,690' 175 sx	TOC: 3,600'
	Hole Size:	
Tubing Size	2 3/8" @ 4,613'	
Perforations	4,638'-48', 4,655'-57', 4659'-61'	
Packer Size & Type	????	
Bridge Plug, If one	Arrow "PDQ" CIBP @ 4,615' (10/95 drilled out BP & put back on production. Pushed to 4,670'.)	

Quay Valley, INC

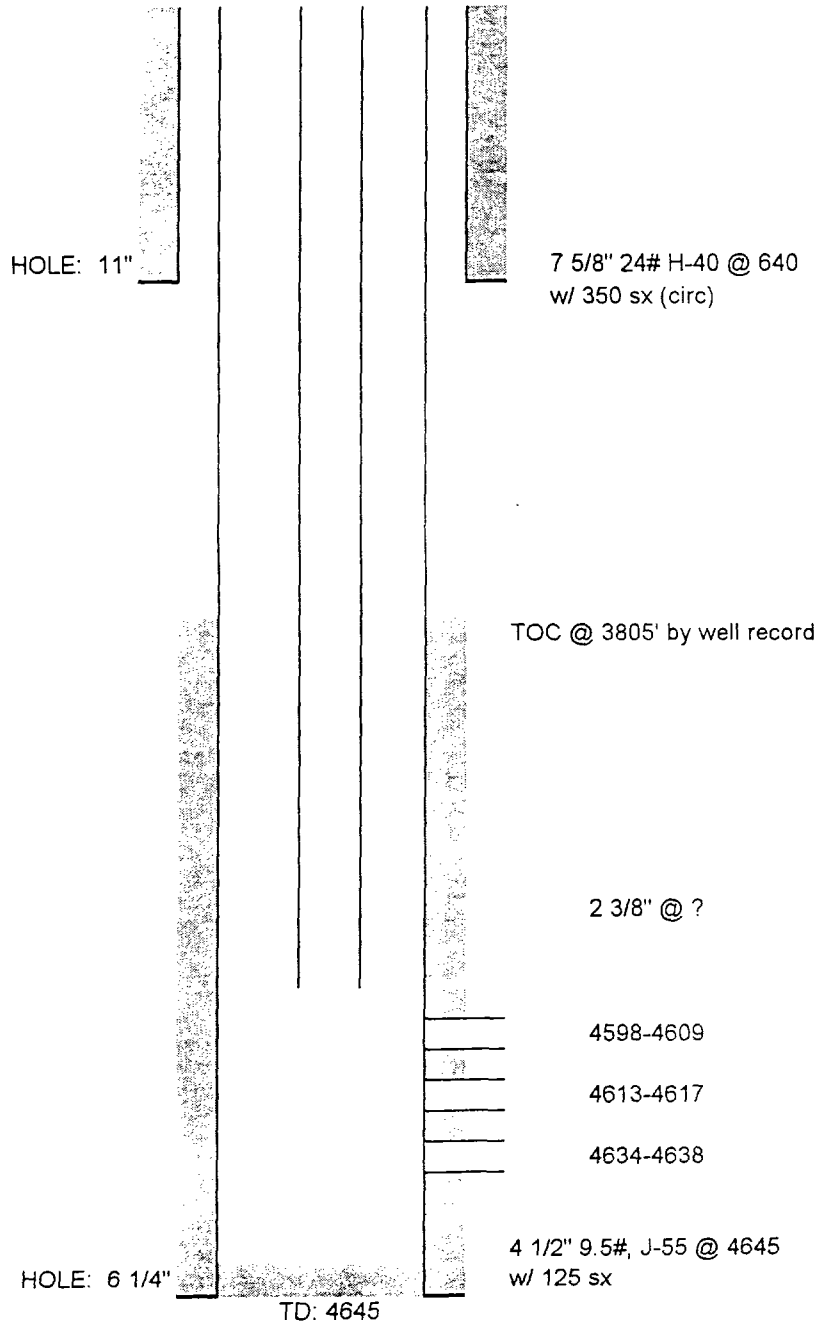
North El Mar Unit #23

FORMERLY CONTINENTAL OIL WILDER #4

(NMOCD #?, API# 30-025-082760)

1980' FSL & 1980' FWL
Section 25, Township 26 South, Range 32 East
Lea County, NM

Spud Date: 6/19/59 Completion: 6/30/59



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #23

Status	(POW)	Formerly: Wilder #4
County & State	Lea County, New Mexico	
Spud Date:	06/19/59	
Completion	06/30/59	
Total Depth	4,645'	
Surface Casing	7 5/8" @ 640' 350 sx TOC: Surface Hole Size: 11"	
Production Casing	4 1/2" @ 4,645' 125 sx TOC: 3,805' Hole Size: 6 1/4"	
Tubing Size	2 3/8"	
Perforations	4,598'-4,609', 4,613'-17', 4,634'-38'	
Packer Size & Type	-----	
Bridge Plug, If one	-----	

Quay Valley, INC

North El Mar Unit #25

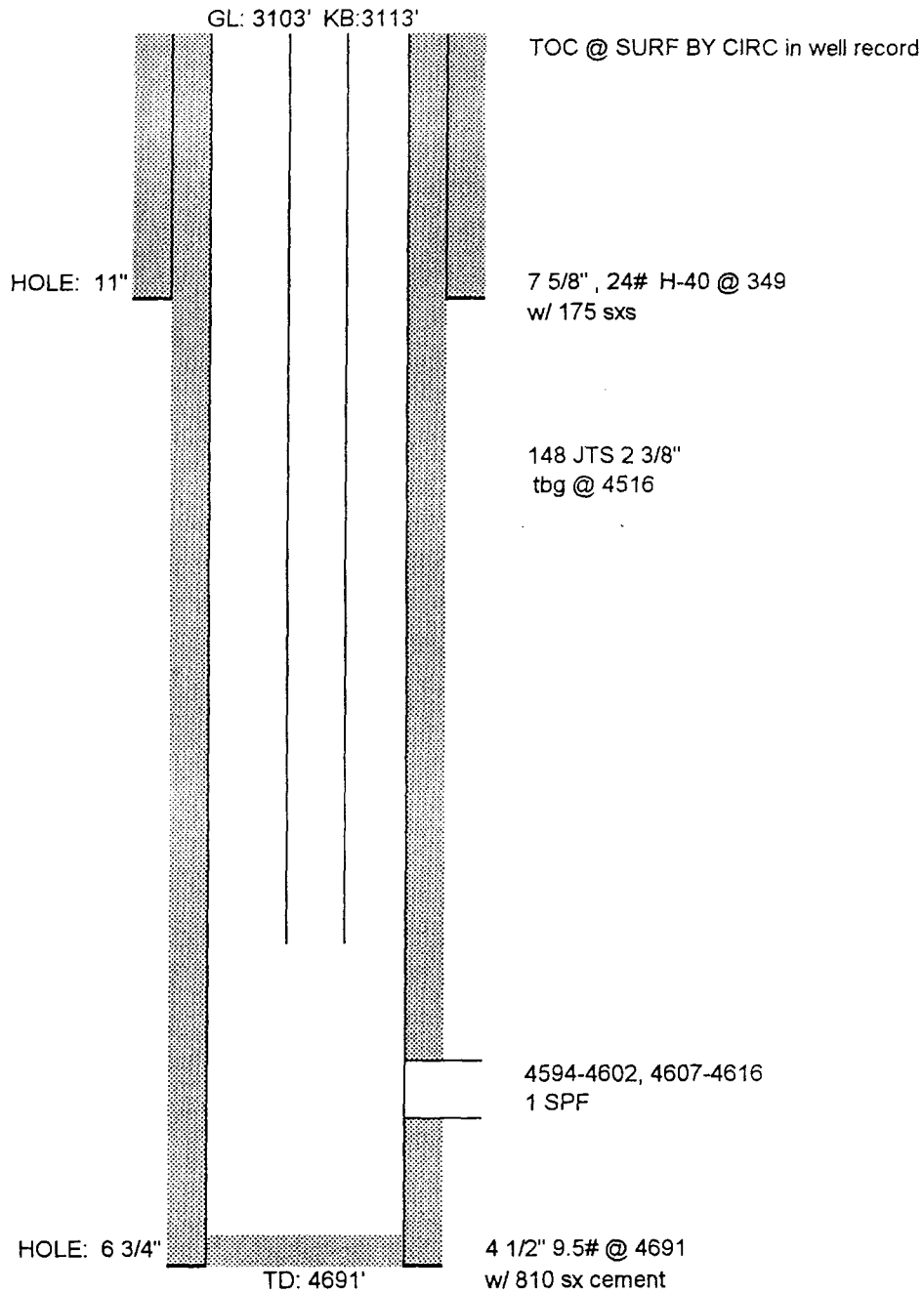
FORMERLY CONTINENTAL OIL WILDER #17

(NMOCD #?, API# 30-025-082900)

660' FEL & 1980' FSL

Spud Date: 2/10/60 Completion: 2/22/60

Section 26, Township 26 South, Range 32 East
Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #25

Status	(POW)	Formerly: Wilder #17
County & State	Lea County, New Mexico	
Spud Date:	02/10/60 (Respuded 11/10/84)	
Completion	02/22/60	
Total Depth	4,691'	
Surface Casing	7 5/8" @ 349' 175 sx	TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,691' 810 sx	TOC: Surface (?) Hole Size: 6 3/4"
Tubing Size	2 3/8" @ 4,516'	
Perforations	4,594'-4,602', 4,607-4,616'	
Packer Size & Type		
Bridge Plug, If one	Elder 4 1/2" CIBP @ 4,670' - drilled out BP @4,570' - Put back on production.	

Quay Valley, INC

North El Mar Unit #27

FORMERLY CONTINENTAL OIL WILDER #22

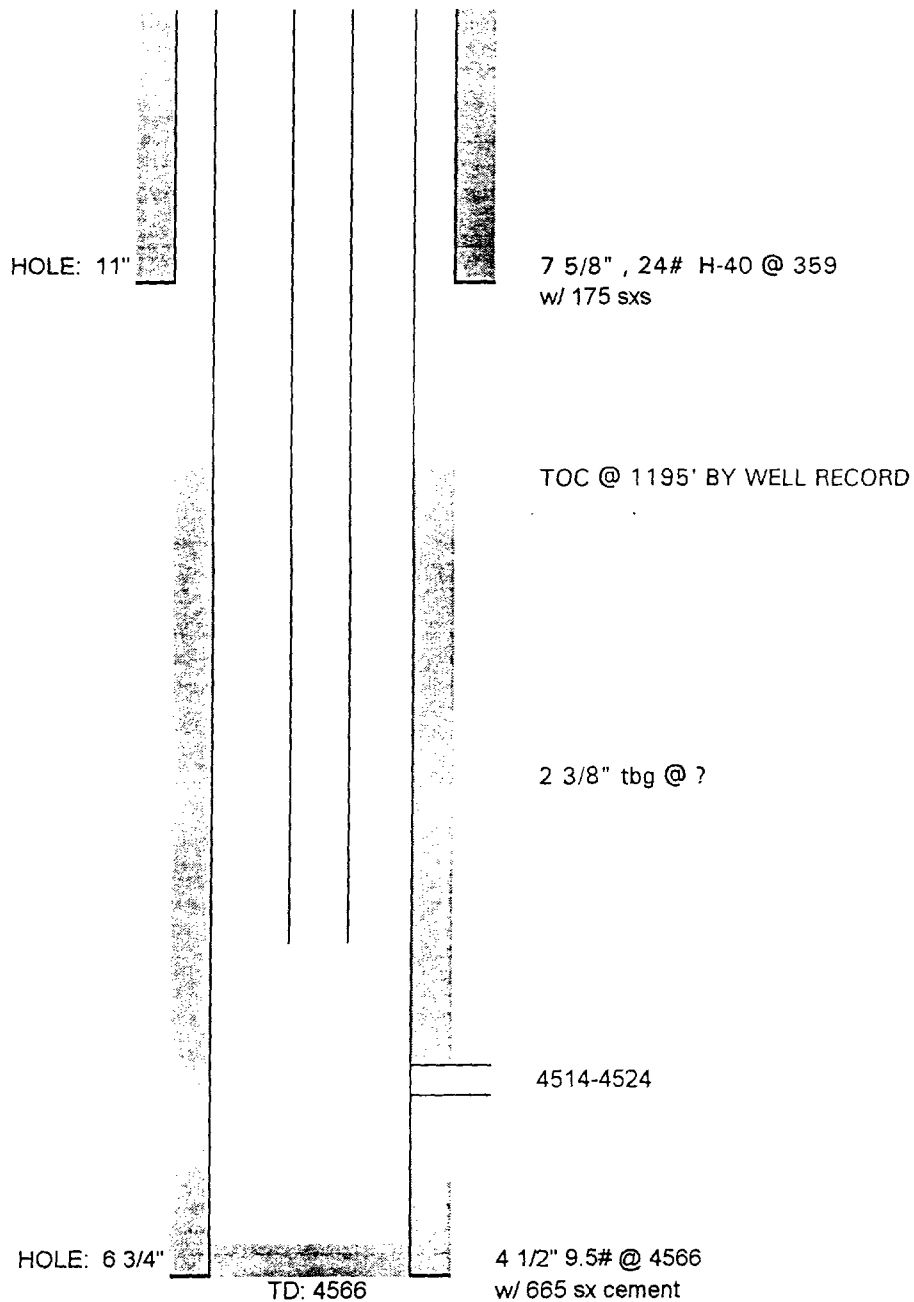
(NMOCD #?, API# 30-025-082950)

1980' FSL & 1980' FWL

Spud Date: 5/10/60 Completion: 5/21/60

Section 26, Township 26 South, Range 32 East

Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #27

Status	(POW)	Formerly: Wilder #22
County & State	Lea County, New Mexico	
Spud Date:	05/10/60	
Completion	05/21/60	
Total Depth	4,566'	
Surface Casing	7 5/8" @ 359' 175 sx	TOC: Surface
	Hole Size: 11"	
Production Casing	4 1/2" @ 4,566' 665 sx	TOC: 1,195'
	Hole Size: 6 3/4"	
Tubing Size	2 3/8"	
Perforations	4,514'-24'	
Packer Size & Type		
Bridge Plug, If one		

QUAY VALLEY, INC

North El Mar Unit #28

FORMERLY CONTINENTAL OIL WILDER #24

(NMOCD # _____, API# 30-025-082960)

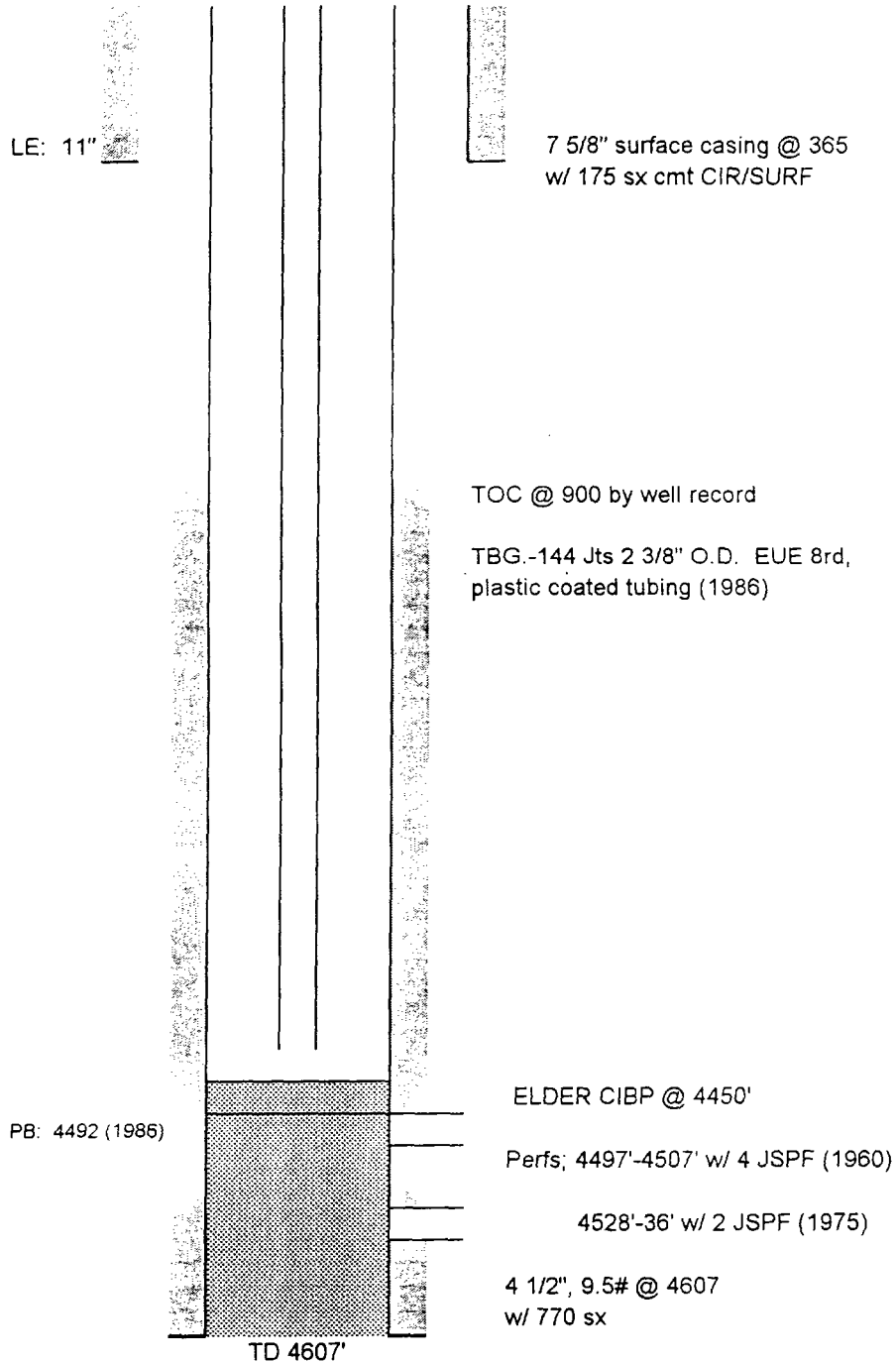
Unit H, 1980' FNL x 660' FWL

Section 26, T-26-S, R-32-E

Lea County, New Mexico

SPUD: 6/13/60 COMPLETION: 7/17/60

"0"-11' AGL



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
 915/943-4397

NEMU #28

Status	(WIWSI)	Formerly: Wilder #24
County & State	Lea County, New Mexico	
Spud Date:	06/13/60	
Completion	07/17/60	
Total Depth	4,607'	
Surface Casing	7 5/8" @ 365' 175 sx	TOC: Surface
	Hole Size: 11"	
Production Casing	4 1/2" @ 4,607' 770 sx	TOC: 900'
	Hole Size: 6 3/4"	
Tubing Size	2 3/8"	
Perforations	4,497'-4,507', 4,528'-36',	
Packer Size & Type		
Bridge Plug, If one	Elder CIBP @ 4,450'	

Quay Valley, INC

North El Mar Unit #29

FORMERLY TEXACO INC ELLIOT FEDERAL #3

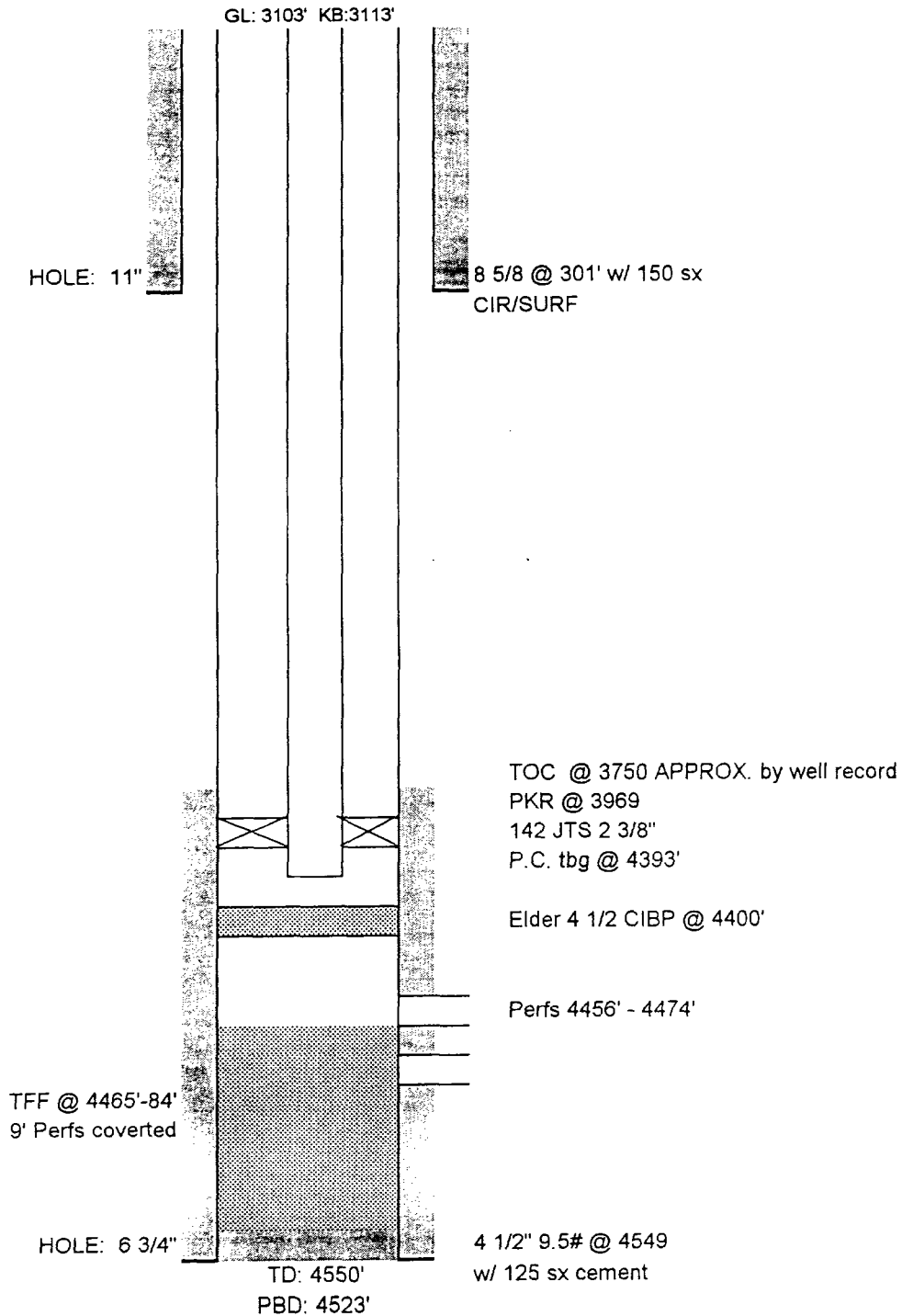
(NMOCD #?, API# 30-025-083000)

330' FSL & 330" FEL

Section 27, Township 26 South, Range 32 East

Lea County, NM

Spud Date: 11/29/59 Completion: 12/12/59



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #29

Status	(WIWSI) Formerly: Elliot Federal #3
County & State	Lea County, New Mexico
Spud Date:	11/29/59
Completion	12/12/59
Total Depth	4,550'
Surface Casing	8 5/8" @ 301' 150 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,549' 125 sx TOC: 3,750' Hole Size: 6 3/4"
Tubing Size	2 3/8" @ 4,393'
Perforations	4,456'-74' TFF @ 4,465'-84' 9' perms converted
Packer Size & Type	@ 3,969'
Bridge Plug, If one	Elder 4 1/2" CIBP @ 4,400'

Quay Valley, INC

North El Mar Unit #30

FORMERLY CONTINENTAL OIL WILDER #16

(NMOCD #?, API# 30-025-082890)

660' FSL & 660' FWL

Spud Date: 1/30/60 Completion: 2/10/60

Section 26, Township 26 South, Range 32 East

Lea County, NM

GL: 3107' KB: 3118'

HOLE: 11"

7 5/8" 24# csg @ 354
w/ 175 sx (circ)

TOC @ 3650 BY WELL RECORD

2 3/8" TBG @ 4475

4469'-4508' w/2JSPF

4481'-91', 4498'-4501' w/2JSPF

HOLE: 6 1/4"

TD: 4553'

4 1/2" 9.5# @ 4553
w/ 175 sx cement

QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #30

Status	(POW) Formerly: Wilder #16
County & State	Lea County, New Mexico
Spud Date:	01/30/60 (Respud 10/30/80)
Completion	02/10/60
Total Depth	4,553'
Surface Casing	7 5/8' @ 354' 175 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,553' 175 sx TOC: 3,650' Hole Size: 6 1/4"
Tubing Size	2 3/8" @ 4,475'
Perforations	4,469'-4,508', 4,481'-4,501'
Packer Size & Type	
Bridge Plug, If one	Knocked out CIBP @ 4,400' 9/21/95

Quay Valley, INC

North El Mar Unit #32

FORMERLY CONTINENTAL OIL WILDER #18

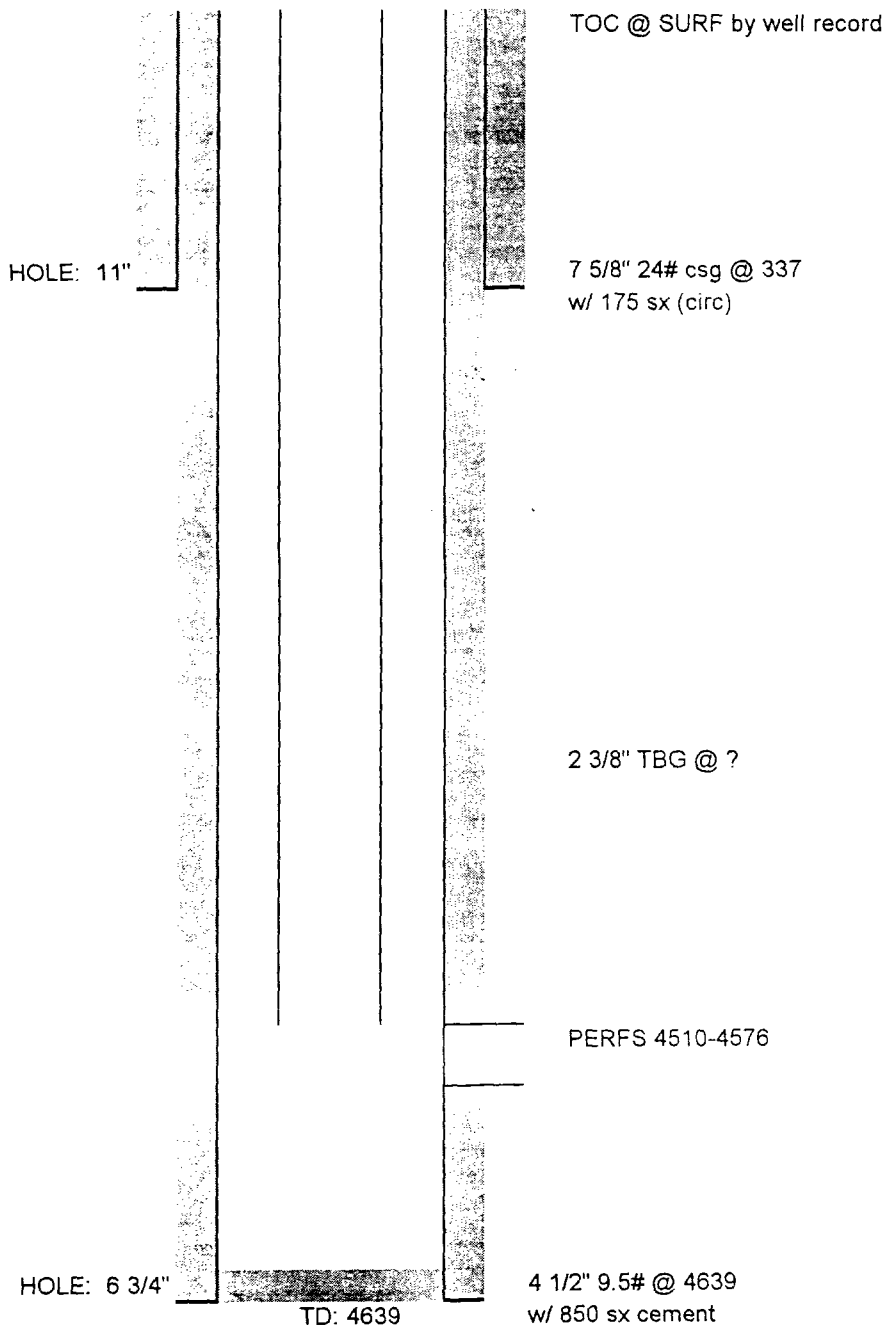
(NMOCD #7, API# 30-025-082910)

660' FSL & 660' FEL

Spud Date: 3/3/60 Completion: 3/17/60

Section 26, Township 26 South, Range 32 East

Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

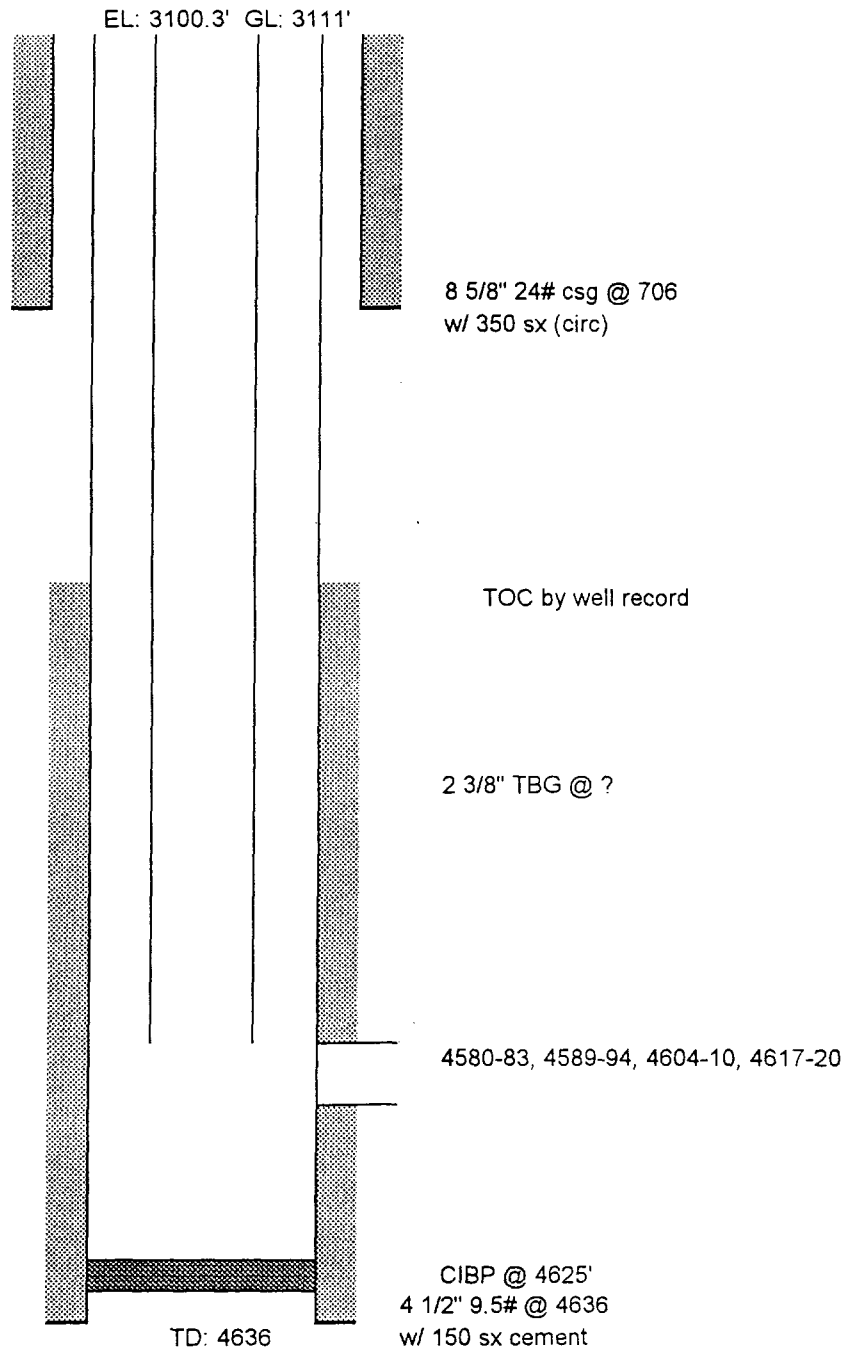
Bobby Gray/Gray Pumping
915/943-4397

NEMU #32

Status	(POW)	Formerly: Wilder #18
County & State	Lea County, New Mexico	
Spud Date:	03/03/60	
Completion	03/17/60	
Total Depth	4,639'	
Surface Casing	7 5/8" @ 337' 175 sx	TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,639' 850 sx	TOC: Surface Hole Size: 6 3/4"
Tubing Size	2 3/8"	
Perforations	4,510'-76'	
Packer Size & Type		
Bridge Plug, If one		

Quay Valley
North El Mar Unit #34
FORMERLY CONTINENTAL OIL WILDER #1
(NMOCD #?, API# 30-025-082730)

330' FSL & 330' FWL Spud Date: 4/16/59 Completion: 5/3/59
Section 25, Township 26 South, Range 32 East
Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #34

Status	(POW) Formerly: Wilder #1
County & State	Lea County, New Mexico
Spud Date:	04/16/59
Completion	05/03/59
Total Depth	4,636'
Surface Casing	8 5/8" @ 706' 350 sx TOC: Surface Hole Size:
Production Casing	4 1/2" @ 4,636' 150 sx TOC: Hole Size:
Tubing Size	2 3/8"
Perforations	4,580'-83', 4,589'-94', 4,604'-10', 4,617'-20'
Packer Size & Type	
Bridge Plug, If one	Knocked out CIBP (02/01/95) - pushed to 4,625'

Quay Valley, INC

North El Mar Unit #36

FORMERLY CONTINENTAL OIL WILDER #11

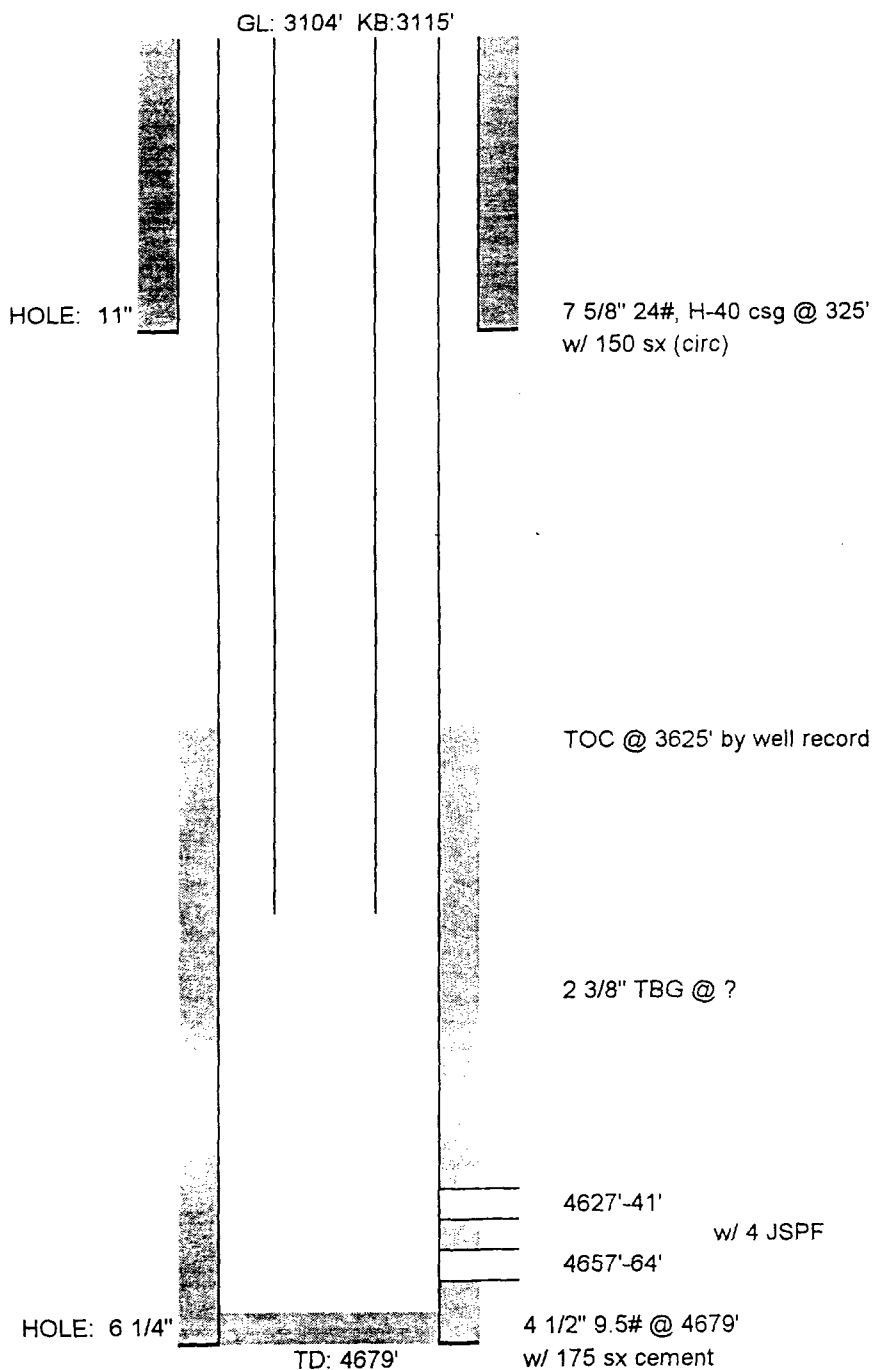
(NMOCD #7, API# 30-025-082820)

Spud Date: 9/30/59 Completion: 10/11/59

660' FSL & 1980' FEL

Section 25, Township 26 South, Range 32 East

Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #36

Status	(POW) Formerly: Wilder #11
County & State	Lea County, New Mexico
Spud Date:	09/30/59
Completion	10/11/59
Total Depth	4,679'
Surface Casing	7 5/8" @ 325' 150 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,679' 175 sx TOC: 3,625' Hole Size: 6 1/4"
Tubing Size	2 3/8"
Perforations	4,627'-41', 4,657'-64'
Packer Size & Type	
Bridge Plug, If one	Arrow "PDQ" CIBP @ 4,575' 2/95 removed CIBP and returned to production.

Quay Valley, INC

North El Mar Unit #38

FORMERLY CONTINENTAL PAYNE #5

(NMOCD #?, API# 30-025-084330)

660' FSL & 660' FWL

Spud Date: 1/20/60 Completion: 1/30/60

Section 30, Township 26 South, Range 33 East

Lea County, NM

GL: 3100' KB:3111'

HOLE: 11"

7 5/8" @ 350
w/ 175 sx (circ)

TOC @ 3900 BY TS

156 JTS 2 3/8" @ 4635'

CIBP @ 4640' (ELDER)

PERF 4669 w/3 SHOTS

PERF 4686-4691 w/4 SPF

HOLE: 6 3/4"

TD: 4699

4 1/2" 9.5#, J-55 @ 4699
w/ 175 sx cement

QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #38

Status	(TA) Formerly: Payne #5
County & State	Lea County, New Mexico
Spud Date:	01/20/60
Completion	01/30/60
Total Depth	4,699'
Surface Casing	7 5/8" @ 350" 175 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,699' 175 sx TOC: 3,900' Hole Size: 6 3/4"
Tubing Size	2 3/8" @ 4,635'
Perforations	4,669'-91'
Packer Size & Type	
Bridge Plug, If one	Elder 4 1/2" CIBP @ 4,640'

Quay Valley, INC

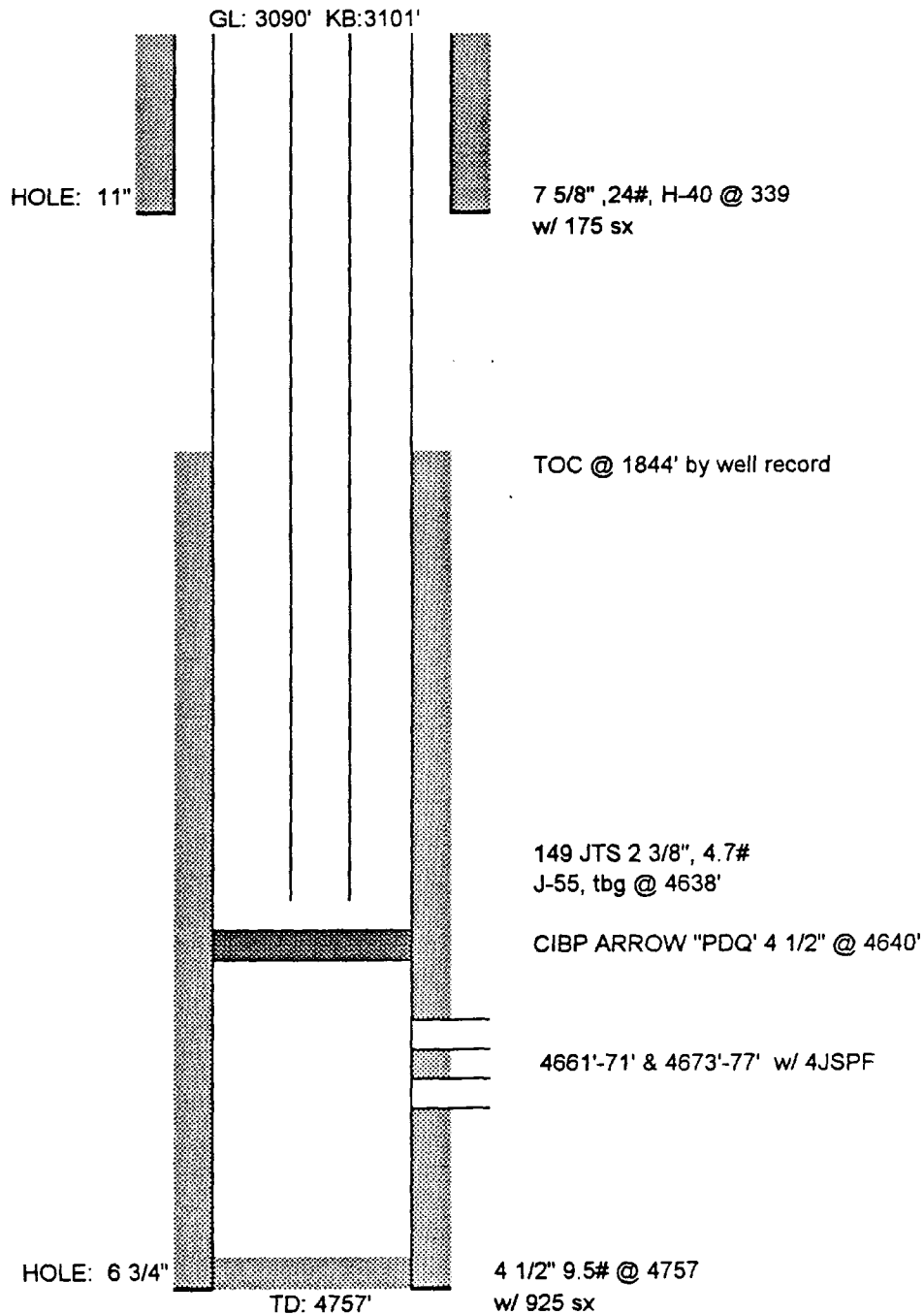
North El Mar Unit #40

FORMERLY CONTINENTAL OIL PAYNE #10

(NMOCD #?, API# 30-025-084390)

660' FNL & 1650' FWL
Section 31, Township 26 South, Range 33 East
Lea County, NM

Spud Date: 5/31/60 Completion: 6/13/60



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #40

Status	(TA) Formerly: Payne #10
County & State	Lea County, New Mexico
Spud Date:	05/31/60
Completion	06/13/60
Total Depth	4,757'
Surface Casing	7 5/8" @ 339' 175 sx TOC: Surface (?) Hole Size: 11"
Production Casing	4 1/2" @ 4,757' 925 sx TOC: 1,844' Hole Size: 6 3/4"
Tubing Size	2 3/8" @ 4,638'
Perforations	4,661'-71', 4,673'-77'
Packer Size & Type	
Bridge Plug, If one	Arrow "PDQ" 4 1/2" CIBP @ 4,640' (Knock out CIBP - Run BHPT)

New Mexico Offset Wells

GEORGE L. BUCKLES COMPANY

ELLIOTT - FEDERAL WELL #4
FORMERLY FEDERAL ELLIOTT "U" WELL # 1
(NMOCD # _____, API#)

990' FNL & 1650' FEL
Section 34, T-26-S, R-32-E
NW/4 NE/4 UNIT B
COUNTY: LEE, STATE: NEW MEXICO
EL: 3119'
GL: KB:

SPUD DATE: COMPLETION: PLUGED 11/59

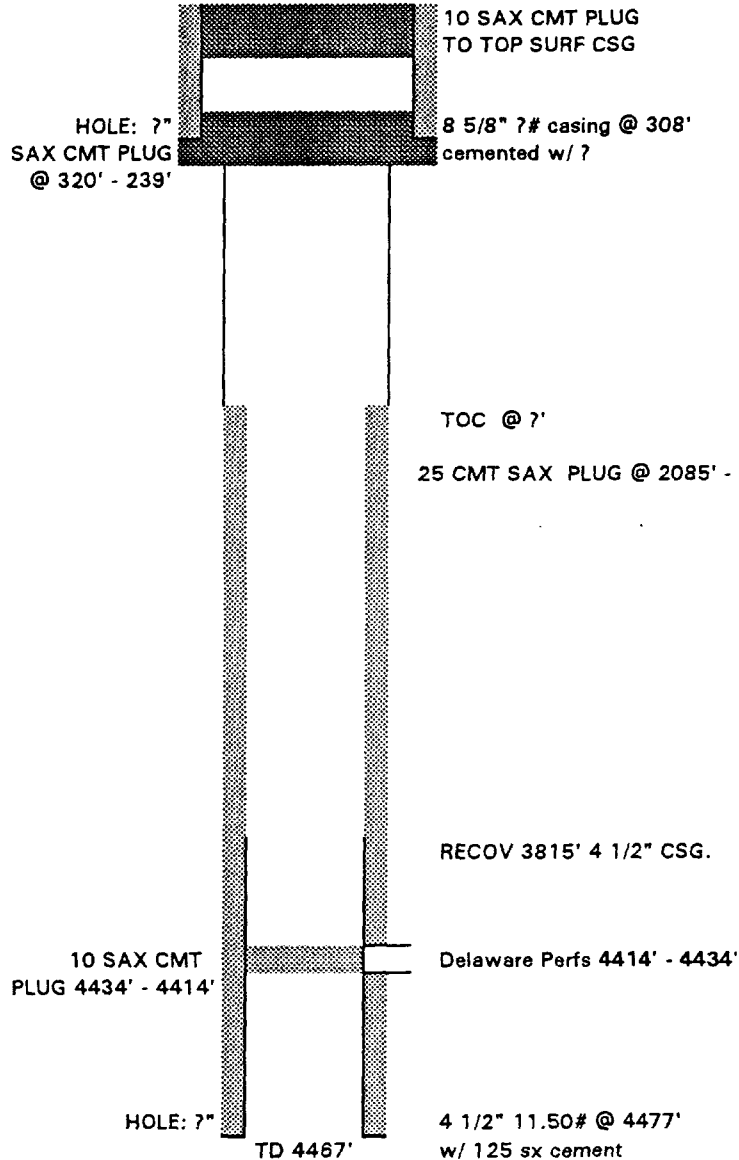
Drilling comments:

Completion Comments:

RE- ENTERING COMMENCED 3/25/60
RE- ENTERING FINISHED 3/29/60

WELL PLUGED 10/16/63

No other information available in public records



APPROVED
DEC 13 1963
E. G. HOBBS
ACTING DISTRICT ENGINEER
UNITED STATES GEOLOGICAL SURVEY
OFFICE OF THE DISTRICT ENGINEER
HOBBES
DEC 17 10 21 AM '63
RECEIVED
00713 1963
U. S. GEOLOGICAL SURVEY
MEXICO

Approval expires 12-31-63
 Land Office
 Lease No. **LC-071985**
RECEIVED
00713 1963
U. S. GEOLOGICAL SURVEY
MEXICO

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 17, 1963

Well No. **1** is located 990 ft. from **N** line and 1,650 ft. from **E** line of sec. **1**

NW 1/4 NE 1/4 Unit B **26-S** **32-E** **NM 10M**
 (Section and Sub. No.) (Twp.) (Range) (Mileage)

El Paso County **Lee** **New Mexico**
 (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 3,112 ft.

DETAILS OF WORK

(Give a summary of work executed, depths to objectives, sand, shale, size, weights, and lengths of casing, tools, and tubing, logs, cement, and all other important proposed work)

9-10-63 Sumped 10 sacks of cement across perforations from 4,434 to 4,444. Shot 4-1/2" casing at 3,315 feet. Set 25-sack cement plug from 2,000 to 1,975 feet. 10-sack cement plug from 320 to 269 feet and a 10-sack cement plug in top of surface casing. Placed 4" marker in hole and restored location to original level.

Understand that this plan of work must receive approval in writing by the Geological Survey and no operations are to be undertaken.

Contractor **George L. Buckles Company**

Address **Box 50**

Abilene, Texas

By **John A. H. H.**

John A. H. H.

MORRIS R. ANTWELL

FEDERAL - LITTLEFIELD "DQ" WELL #1

FORMERLY GEORGE L. BUCKLES COMPANY, FEDERAL - LITTLEFIELD "DQ" WELL #1
(NMOCD # _____, API#)

660' FSL & 660' FWL
Section 19, T-26-S, R-33-E
SW 1/4 SW 1/4 UNIT M
COUNTY: LEE, STATE: NEW MEXICO
EL: 3146'
GL: KB:

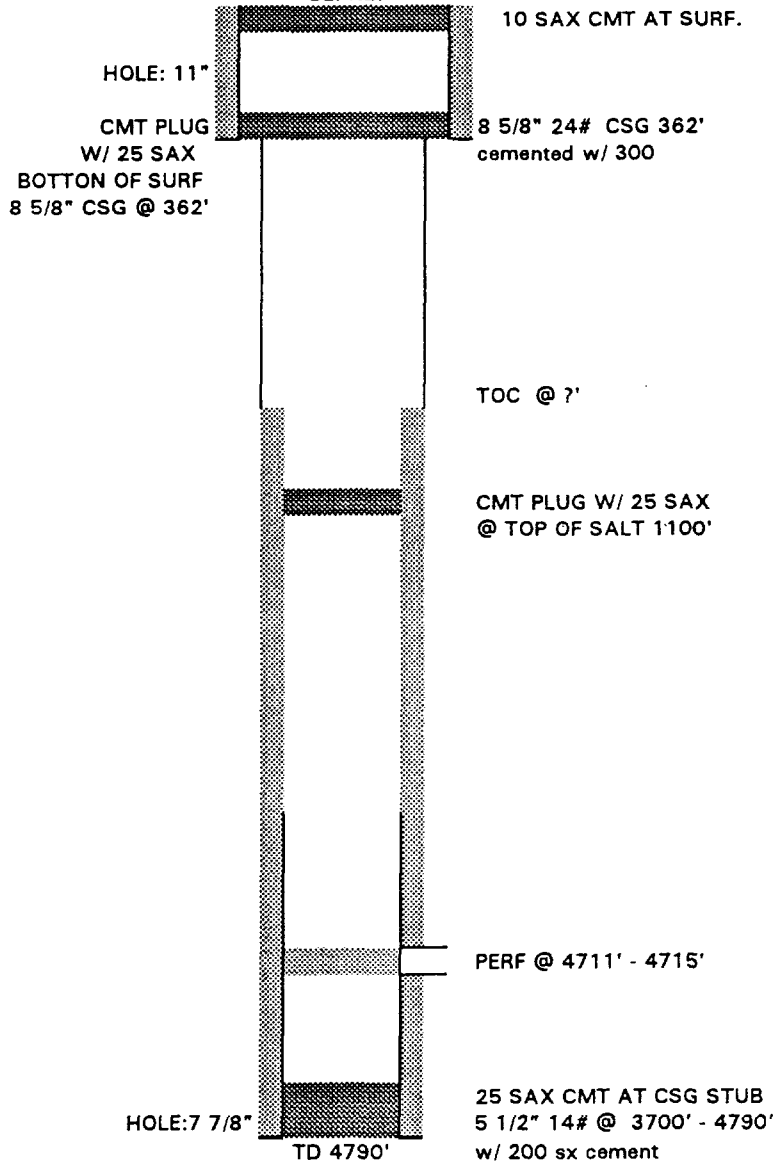
SPUD DATE: 8/15/59 COMPLETION: 8/28/59

Drilling comments:

Completion Comments:

PLUGED 1/4/62

No other information available in public records



X			

E. W. STANLEY
DISTRICT ENGINEER

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R228.4
Approval expires 12-31-60.

Land Office **Las Cruces**

Lease No. **065880-A**

Unit **Federal-Littlefield**
"DQ"

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	X
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 4, 1962

Well No. 1 is located 660 ft. from N line and 680 ft. from E line of sec. 19

SW/4 Sec. 19 26S 33E N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

El Mar (Delaware) Lea New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 3,156 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

The above well has been plugged and abandoned in accordance with the notice of intention as follows:

1. Hole loaded with heavy mud.
2. 25 sx. cement placed across perfs 4711-15'.
3. Shot and recovered 3,700' of 5-1/2" casing.
4. 25 sx. cement plug placed at 5-1/2" casing stub.
5. 25 sx. cement plug at top of salt 1100'.
6. 25 sx. cement plug at bottom of surface 8-5/8" at 362'.
7. 10 sx. cement plug with regulation marker in surface.
8. When pits are dried, location will be leveled.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Morris R. Antweil

Address P. O. Box 1058

Hobbs, New Mexico

By Burton Veteto
Burton Veteto
Agent

Title _____

HILL & MEEKER

GULF FEDERAL WELL #2

FORMERLY
(NMOCD # _____, API#)

660' FSL & 2007' FWL
Section 24, T-26-S, R-32-E
SE 1/4 SW 1/4 UNIT N
COUNTY: LEE, STATE: NEW MEXICO
EL: 3143'
GL: KB:

SPUD DATE: 6/30/59 COMPLETION: 7/8/59

Drilling comments:

Completion Comments:

PLUGGED 8/59

CORE #1 - 4627' TO 4639', RECOVERED 12'

VERY TIGHT SAND. NO SHOW

CORE #2 - 4639' TO 4704', RECOVERED 65'

VERY TIGHT SAND. NO SHOW

No other information available in public records

HOLE: 7"
10 SAX CMT
PLUG @ 365'

10 SAX CMT PLUG SURF &
GROUND LEVEL

8 5/8" 24# casing @ 354'
cemented w/ ?
Circ

15 SAX CMT PLUG @ 665'

TOC @ 7'
25 SAX CMT PLUG @ 1080'

25 SAX CMT PLUG @ 4617'

DRILLED TO A TD OF 4627'

HOLE: 7"

TD 4704'?

? " ? # @ ?'
w/ ? sx cement

Duff Federal
#2

HISTORY OF OIL OR GAS WELL

16-12204-1 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Drilled to a T.D. of 4627'.
Core #1 - 4627 to 4639, recovered 12' very tight sand. No Shows.

Core #2 - 4639 to 4704, recovered 65' very tight sand. No shows.

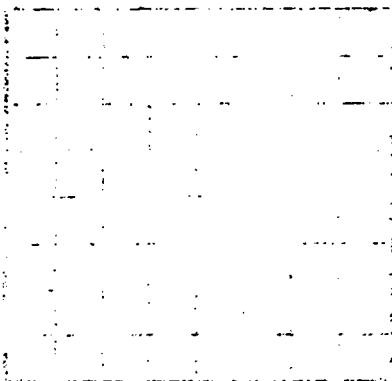
354' - 8 5/8" 24# casing set at 363' - Left in well. Hole full of mud laden material.

Cement Plugs at:

10 sks at Surface and Ground Level
10 sks at 365'
15 sks at 665'
25 sks at 1080'
25 sks at 4617'.

GEOLOGICAL TOPS:

Red beds 85'
Rustler 665'
Saledo 1080'
Castile 3138'
Lamar 4586'
Delaware Sc. 4617'



HISTORY OF OIL OR GAS WELL

16-12204-1

U. S. GOVERNMENT PRINTING OFFICE

16-12204-1

U. S. GOVERNMENT PRINTING OFFICE

HILL & MEEKER

GULF FEDERAL WELL #3

FORMERLY

(NMOCD # _____, API#)

1650' FSL & 330' FEL

Section 24, T-26-S, R-32-E

NE 1/4 SE 1/4 UNIT I

COUNTY: LEE, STATE: NEW MEXICO

EL: 3152'

GL: KB:

SPUD DATE: 10/17/59 COMPLETION: 10/25/59

Drilling comments:

Completion Comments:

PLUGED 3/61

CORE #1 - 4706' TO 4767' RECOVERED 61'

LAMINATED SAND

THE TOP 4' HAD SLIGHT SHOWS

No other information available in public records

HOLE: 7"
10 SAX CMT
PLUG @ 360'

10 SAX CMT PLUG SURF &
GROUND LEVEL

cemented w/ ?
Circ

15 SAX CMT PLUG @ 695'

TOC @ 7'

25 SAX CMT PLUG @ 1080'

25 SAX CMT PLUG @ 4710'
TOP OF DELAWARE

DRILLED TO A TD OF 4706'

HOLE: 7"

TD 4767'

? " ? # @ ?'
w/ ? sx cement

Form 8-351a
(Feb. 1961)

MAR 16 1961

E. W. STANDLEY
DISTRICT ENGINEER

(SUBMIT IN TRIPPLICATE)

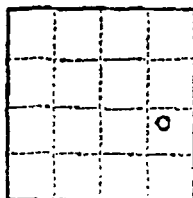
UNITED STATES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYBudget Bureau No. 12-R228
Approval expires 2-31-60

Land Office Las Cruces

Lease No. 065876-A

Unit RE



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	X
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 31, 1959

Well No. 3 is located 1650 ft. from XX line and 330 ft. from E line of sec. 24

NE 1/4 of SE 1/4, Sec. 24

26S

32E

NMPM

Undesignated

Lea

New Mexico

The elevation of the derrick floor above sea level is 3156 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

T. D. 4767: - Well drilled to 4706 - Cored 4706 to 4767 - Recovered 61: laminated sand - The top 4: had slight shows - Prepare to plug & abandon
Plugged as follows:
 10 sks at top of surface pipe & ground level
 10 sks at 360: bottom of surface casing
 15 sks at 695: top of Rustler
 25 sks at 1080: bottom of Rustler
 25 sks at 4710: Top of Delaware sand.

Hole full of mud laden material - Set 4" marker 4: above surface. Clean location.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company HILL & MEEKER

Address 519 Midland Savings &

Loan Bldg.

Midland, Texas

By

Title Production Clerk

GPO 562040

GEORGE L. BUCKLES COMPANY

ELLIOTT - FEDERAL WELL #4
FORMERLY FEDERAL ELLIOTT "U" WELL # 1
(NMOCD # _____, API#)

1666' FSL & 330' FEL
Section 27, T-26-S, R-32-E
NE/4 SE/4 UNIT I
COUNTY: LEE, STATE: NEW MEXICO
EL: 3124'
GL: KB:

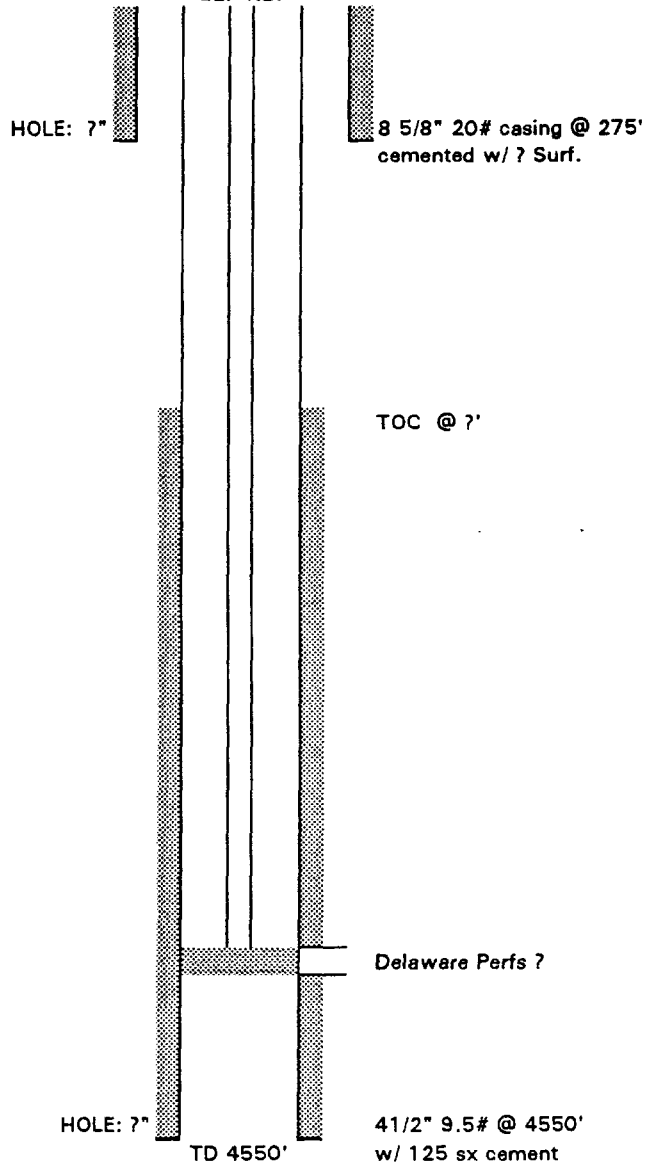
SPUD DATE: 12/15/59 COMPLETION: PLUGGED 12/59

Drilling comments:

Completion Comments:

NO DRILLING OR PLUGGING INFO.

No other information available in public records



APPROVED

DEC 10 1959

A. P. KLEEMAN
DISTRICT ENGINEER

Y TO O. C. C.

OBBS

(SUBMIT IN TRIPLICATE)

UNITED STATES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R352.4
Approval expires 12-31-60.

Land Office

Lease No.

Unit

OBBS OFFICE 000 LC 071985

Unit 10 32

DEC 10 1959

U. S. GEOLOGICAL SURVEY
OBBS, NEW MEXICO

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

December 9, 1959

Elliott-Federal

Well No. 4 is located 1666 ft. from RR line and 330 ft. from E line of sec. 27

NE 1/4 SE 1/4 Unit I Sec. 27

(1/4 Sec. and 1/4 Sec. No.)

26-3

(Twp.)

32-3

(Range)

W2N

(Meridian)

El Mar-Delaware

(Field)

Lea

(County or Subdivision)

New Mexico

(State or Territory)

The elevation of the derrick floor above sea level is 3124 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

Proposal is to set 8-5/8" O.D. 20 lb. casing into red bed formation approximately 275 feet and circulate cement to the surface. To drill approximately 100 feet into the Delaware sand to a total depth of 4550 feet. To set 4-1/2" O.D. 9.50 lb. casing at total depth and cement with 125 sacks of cement. Completion will be through perforations opposite Delaware formation after acid and fracture treatment. The well will be rotary cased and logs run. Approximate spudding date will be December 15, 1959 with rotary tools.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company George L. Dickles Company

Address P. O. Box 56

Morham, Texas

By Robert M. Orr (Robert M. Orr)
Title Chief Engineer

GPO 852040

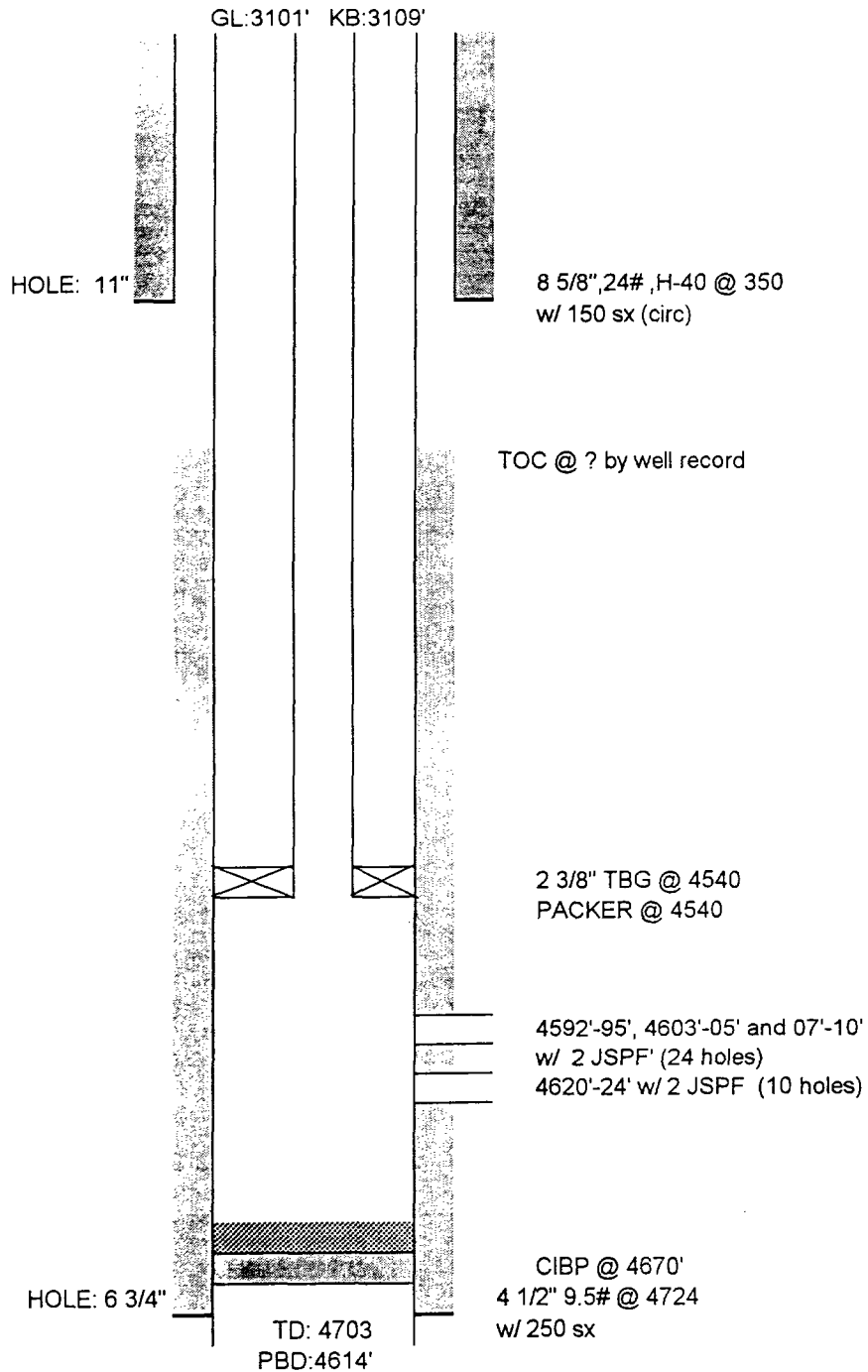
117

LEA COUNTY, NEW MEXICO

Quay Valley, INC
North El Mar Unit #43
FORMERLY KERN COUNTY LAND STATE 36 #2
(NMOCD #?, API# 30-025-083150)

543' FNL & 2108' FWL
Section 36, Township 26 South, Range 32 East
Lea County, NM

Spud Date: 6/02/59 Completion: 6/23/59



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #43

Status	(POW) Formerly: State 36 #2
County & State	Lea County, New Mexico
Spud Date:	06/02/59
Completion	06/23/59
Total Depth	4,703' PBTD @ 4,614'
Surface Casing	8 5/8" @ 350' 150 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,724' 250 sx TOC: ? Hole Size: 6 3/4"
Tubing Size	2 3/8" @ 4,540'
Perforations	4,592'-95', 4,603-05', 4,607'-10', 4,620'-24'
Packer Size & Type	@ 4,540'
Bridge Plug, If one	Drilled out CIBP @ 4,554'; pushed to 4,670' (01/95)

Quay Valley, INC

North El Mar Unit #44

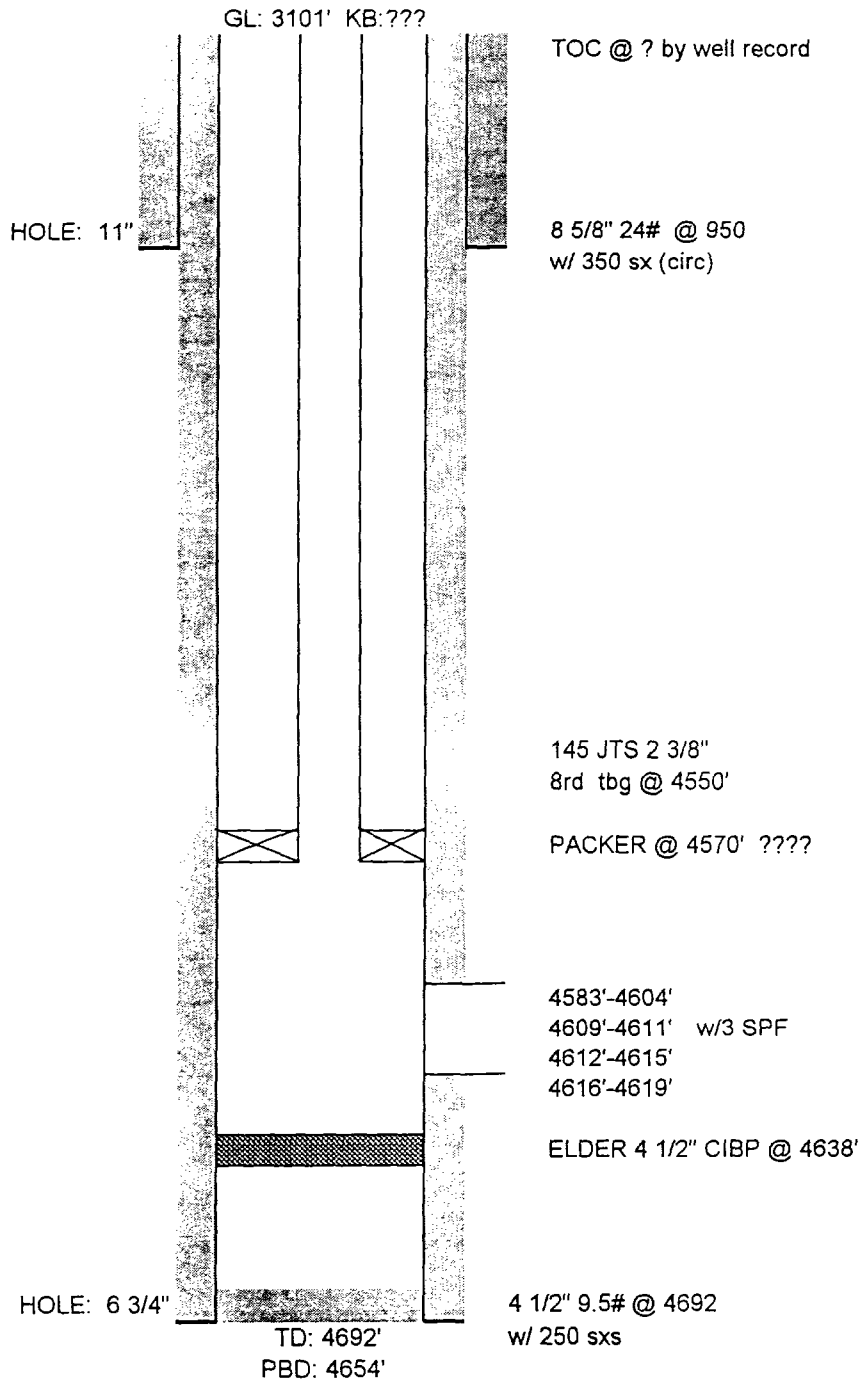
FORMERLY KERN COUNTY LAND STATE 36 #1

(NMOCD #?, API# 30-025-083140)

330' FNL & 330' FWL
Section 36, Township 26 South, Range 32 East
Lea County, NM

Spud Date: 2/19/59

Completion: 3/1/59



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #44

Status	(POW)	Formerly: State 36 #1
County & State	Lea County, New Mexico	
Spud Date:	02/19/59	
Completion	03/01/59	
Total Depth	4,692' PBTD @ 4,654'	
Surface Casing	8 5/8" @ 950' 350 sx	TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,692' 250 sx	TOC: Surface (?) Hole Size: 6 3/4"
Tubing Size	2 3/8" @ 4,550'	
Perforations	4,583'-4,604', 4,609'-11', 4,612'-15', 4,616'-19'	
Packer Size & Type	@ 4,570'	
Bridge Plug, If one	Elder 4 1/2" @ 4,555'. Knocked out & pushed to 4,638'.	

Quay Valley, INC

North El Mar Unit #45

FORMERLY CONTINENTAL OIL BRADLEY 35 #1

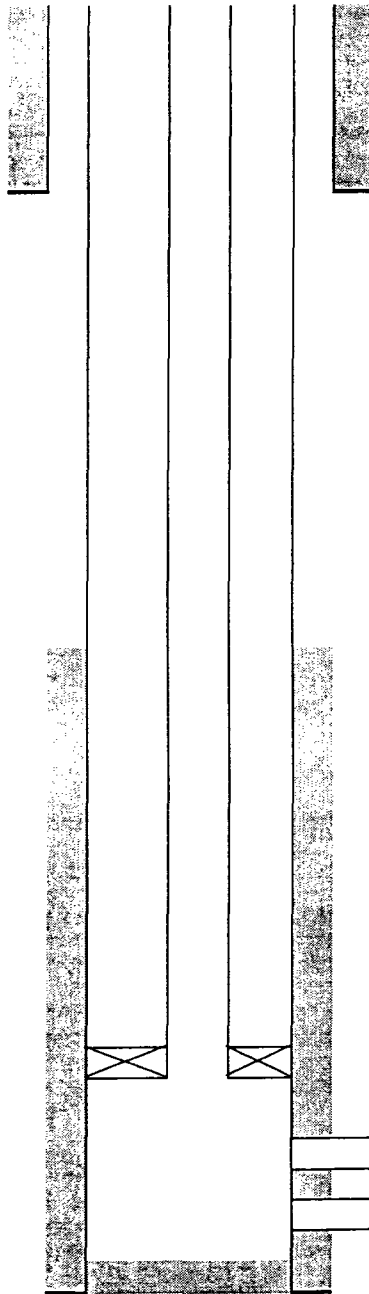
(NMOCD #?, API# 30-025-083080)

660' FNL & 330' FEL

Spud Date: 5/12/59 Completion: 5/23/59

Section 35, Township 26 South, Range 32 East
Lea County, NM

GL: 3098' KB:3109'



8 5/8" 24# @ 716
w/ 350 sx (circ)

TOC @ 3533' by well record

PACKER @ 4540
143 JTS 2 3/8", 4.7#
J-55, EUE 8rd tbg @ 4549'

4587'-97'

4605'-12', 4617'-20'

4 1/2" 9.5# @ 4633
w/ 175 sx

TD: 4633

QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #45

Status	(TA) Formerly: Bradley 35 #1
County & State	Lea County, New Mexico
Spud Date:	05/12/59
Completion	05/23/59
Total Depth	4,633'
Surface Casing	8 5/8" @ 716' 350 sx TOC: Surface Hole Size: ?
Production Casing	4 1/2" @ 4,633' 175 sx TOC: 3,533' Hole Size: ?
Tubing Size	2 3/8" @ 4,549'
Perforations	4,587'-97', 4,605'-12', 4,617'-20'
Packer Size & Type	@ 4,540'
Bridge Plug, If one	Arrow "PDQ" @ 4,551' (Knock out - Run BHPT)

Quay Valley, INC

North El Mar Unit #47

FORMERLY CONTINENTAL OIL BRADLEY 35 #3

(NMOCD #?, API# 30-025-083100)

660' FNL & 1980' FWL

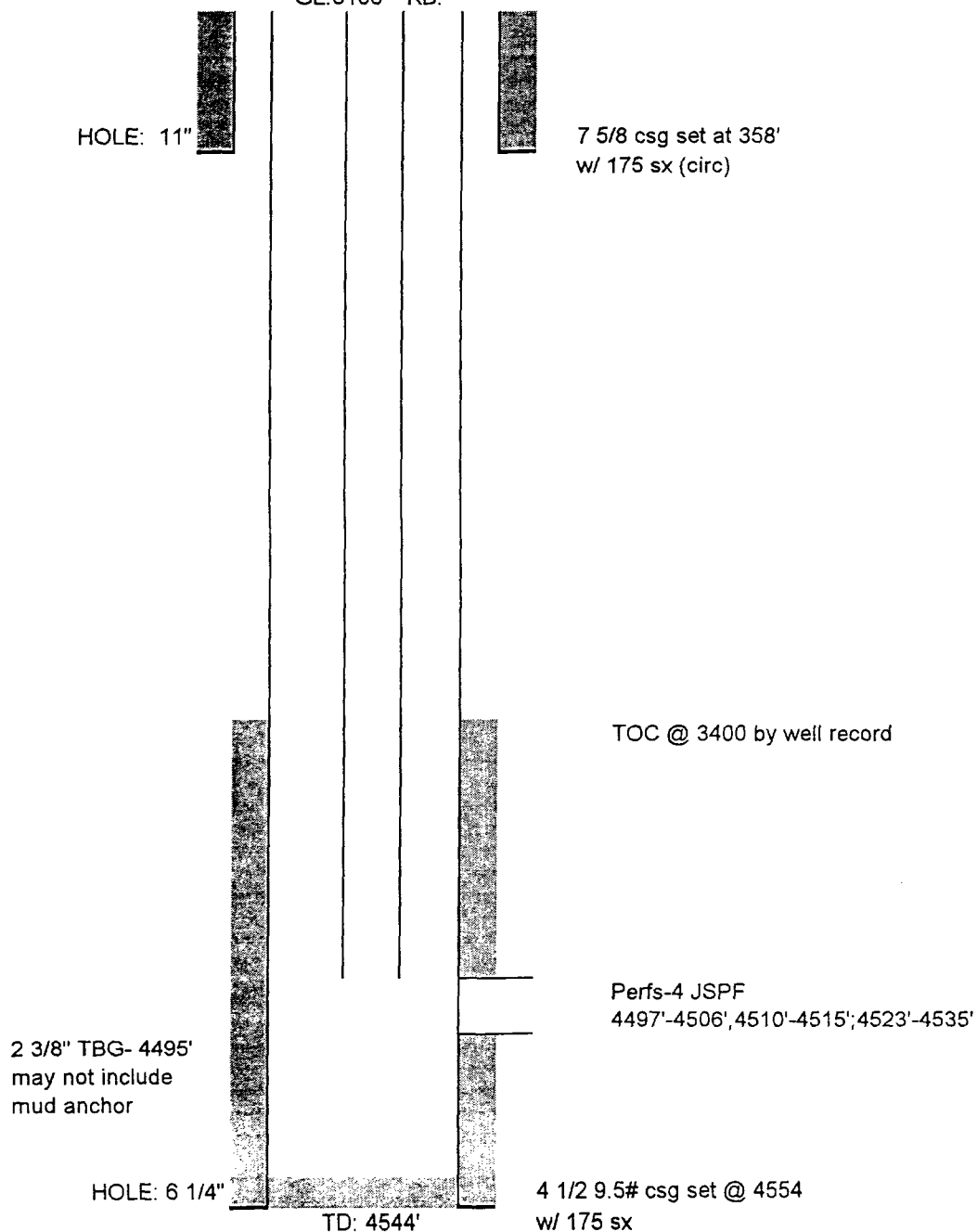
Spud Date: 12/20/59 Completion: 12/29/59

Section 35, Township 26 South, Range 32 East

Lea County, NM

EL: 3095'

GL: 3106' KB:



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #47

Status	(POW) Formerly: Bradley 35 #3
County & State	Lea County, New Mexico
Spud Date:	12/20/59
Completion	12/29/59
Total Depth	4,544'
Surface Casing	7 5/8" @ 358' 175 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,544' 175 sx TOC: 3,400' Hole Size: 6 1/4"
Tubing Size	2 3/8" @ 4,495'
Perforations	4,497'-4,506', 4,510'-4,515', 4,523'-35'
Packer Size & Type	
Bridge Plug, If one	

Quay Valley, INC

North El Mar Unit #49

FORMERLY TEXACO INC ELLIOT FEDERAL #2

(NMOCD #?, API# 30-025-083060)

1016' FNL & 330' FEL

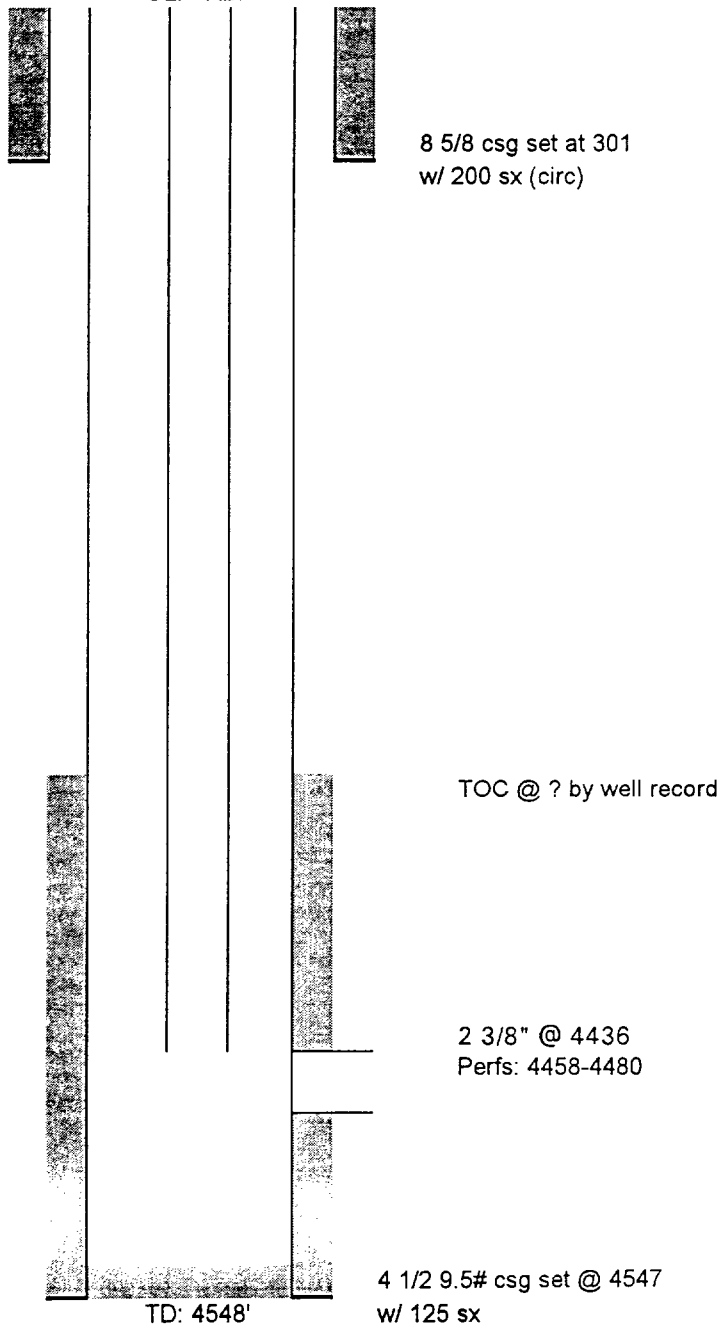
Spud Date: 10/06/59 Completion: 10/18/59

Section 34, Township 26 South, Range 32 East

Lea County, NM

EL: 3111'

GL: KB:



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #49

Status	(POW)	Formerly: Elliot Federal #2
County & State	Lea County, New Mexico	
Spud Date:	10/06/59	
Completion	10/18/59	
Total Depth	4,548'	
Surface Casing	8 5/8" @ 301' 200 sx TOC: Surface Hole Size: ?	
Production Casing	4 1/2" @ 4,547' 125 sx TOC: ?	
Tubing Size	2 3/8" @ 4,436'	
Perforations	4,458'-4,480'	
Packer Size & Type		
Bridge Plug, If one		

Quay Valley, INC

North El Mar Unit #53

FORMERLY KERN COUNTY LAND STATE 36 #4

(NMOCD #7, API# 30-025-083170)

542' FSL & 330' FNL

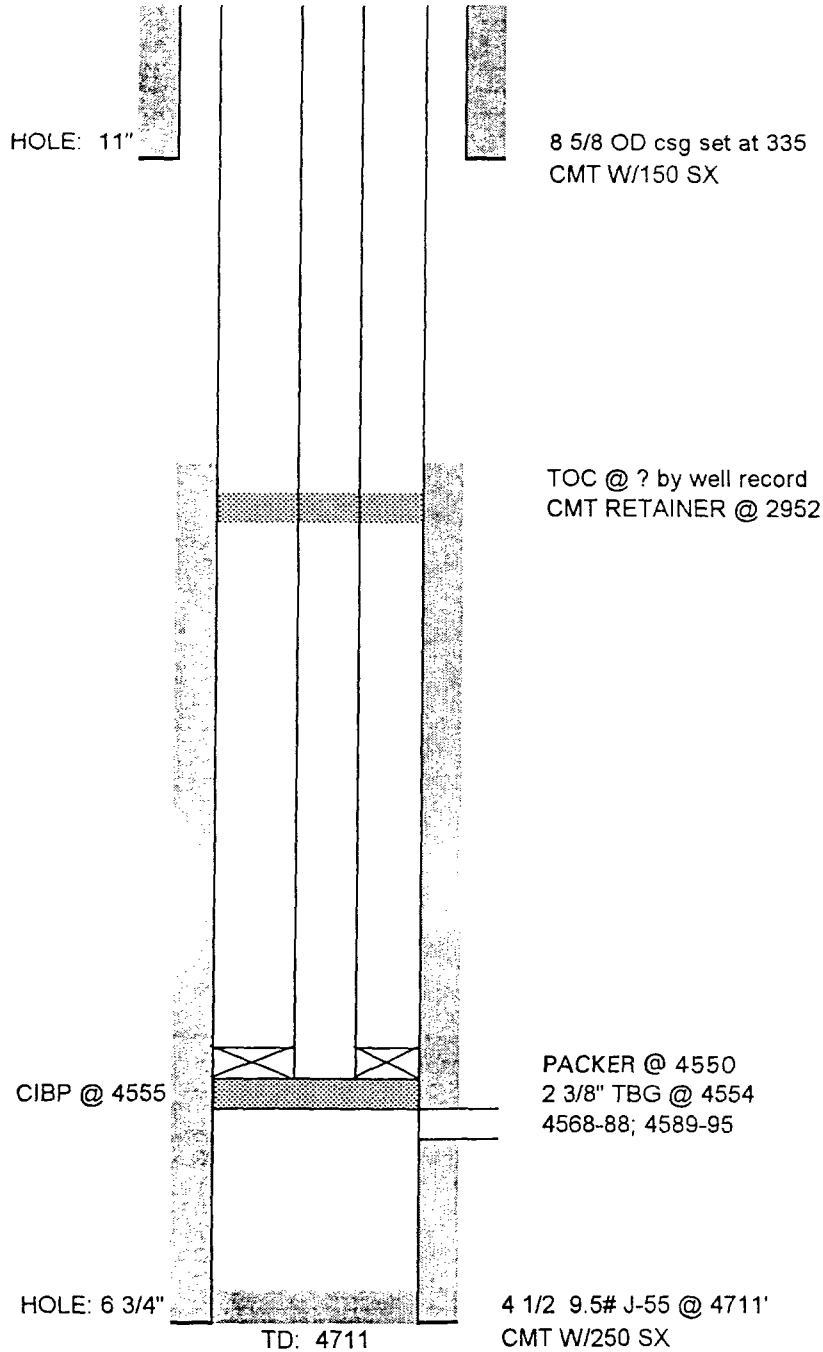
Spud Date: 7/11/59 Completion: 7/19/59

Section 36, Township 26 South, Range 32 East

Lea County, NM

EL: 3097'

GL: 3101'



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #53

Status	(TA) Formerly: State 36 #4
County & State	Lea County, New Mexico
Spud Date:	07/11/59
Completion	07/19/59
Total Depth	4,711'
Surface Casing	8 5/8" @ 335' 150 sx TOC: ? Hole Size: 11"
Production Casing	4 1/2" @ 4,711' 250 sx TOC: ? Hole Size: 6 3/4"
Tubing Size	2 3/8" @ 4,554'
Perforations	4,568'-88', 4,589'-95'
Packer Size & Type	@ 4,550'
Bridge Plug, If one	Elder 4 12" CIBP @ 4,555' Elder 4 1/2" Cement Retainer @ 2,952'

Quay Valley, INC

North El Mar Unit #55

FORMERLY KERN COUNTY LAND STATE 36 #6

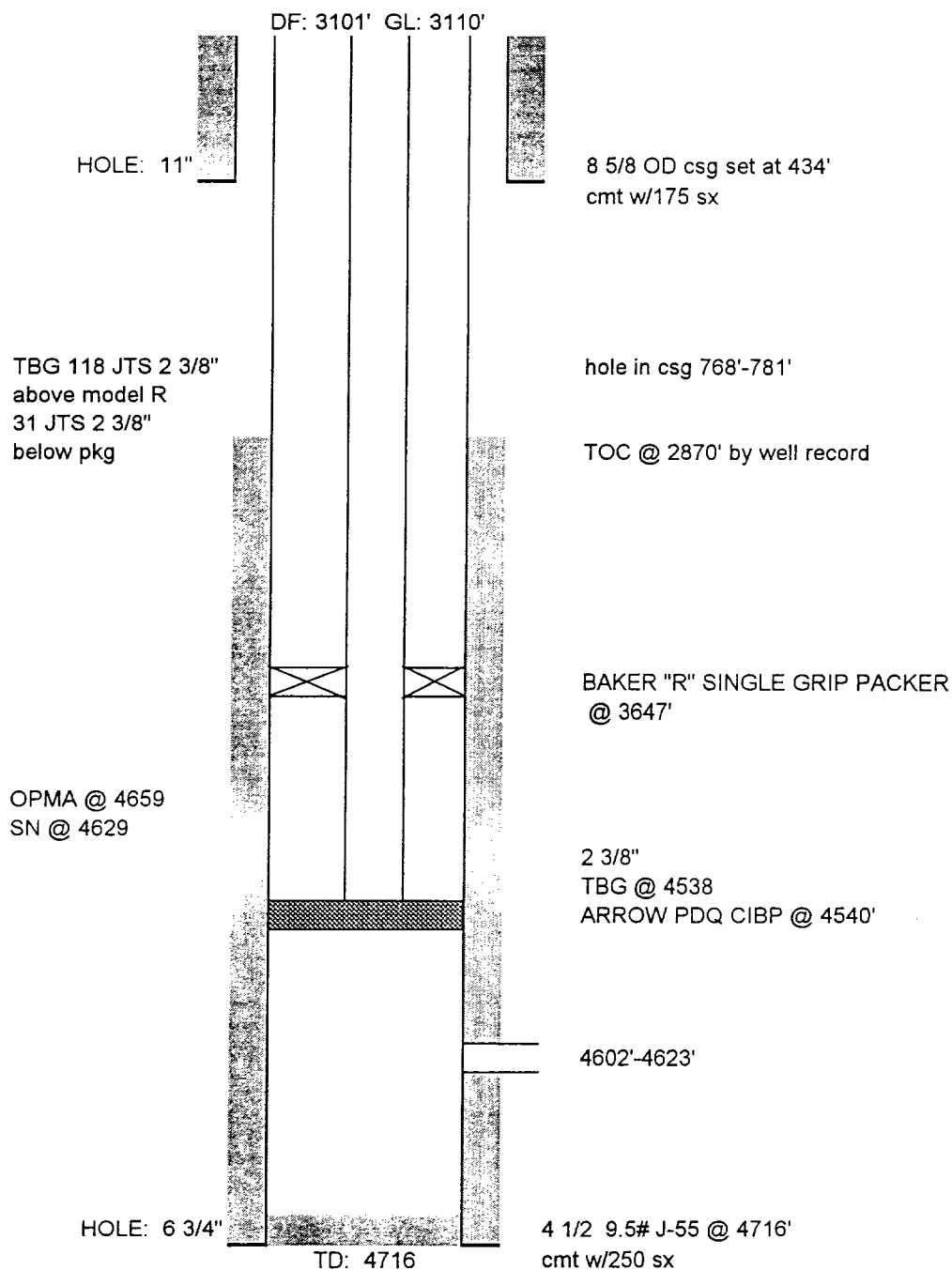
(NMOCD #?, API# 30-025-083190)

544' FSL & 1448' FEL

Spud Date: 12/05/59 Completion: 12/13/59

Section 36, Township 26 South, Range 32 East

Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #55

Status	(TA) Formerly: State 36 #6
County & State	Lea County, New Mexico
Spud Date:	12/05/59
Completion	12/13/59
Total Depth	4,716'
Surface Casing	8 5/8" @ 434' 175 sx TOC: Surface (?) Hole Size: 11"
Production Casing	4 1/2" @ 4,716' 250 sx TOC: ? Hole Size: 6 3/4"
Tubing Size	2 3/8" @ 4,538'
Perforations	4,602'-23'
Packer Size & Type	Baker "R" Single grip @ 3,647'
Bridge Plug, If one	Arrow "PDQ" CIBP @ 4,540'

Quay Valley, INC

North El Mar Unit #56

FORMERLY CONTINENTAL OIL PAYNE #9

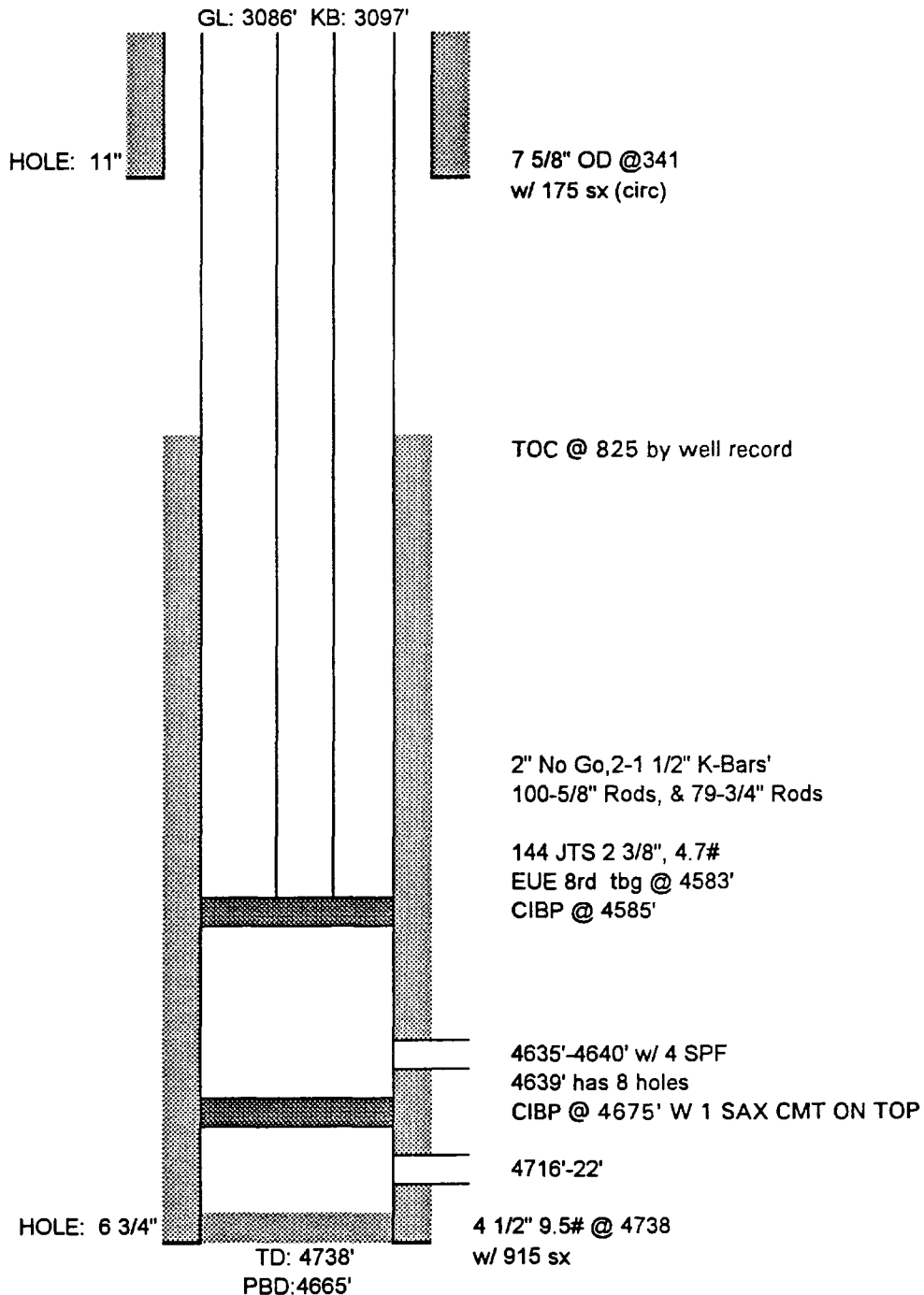
(NMOCD #7, API# 30-025-084380)

1935' FNL & 330' FWL

Spud Date: 4/20/60 Completion: 4/29/60

Section 31, Township 26 South, Range 33 East

Lea County, NM



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #56

Status	(TA) Formerly: Payne #9
County & State	Lea County, New Mexico
Spud Date:	04/20/60
Completion	04/29/60
Total Depth	4,738' PBTD @ 4,665'
Surface Casing	7 5/8" @ 341' 175 sx TOC: Surface Hole Size: 11"
Production Casing	4 1/2" @ 4,738' 915 sx TOC: 825' Hole Size: 6 3/4"
Tubing Size	2 3/8" @ 4,583'
Perforations	4,635'-40', 4,716'-22'
Packer Size & Type	
Bridge Plug, If one	Arrow "PDQ" CIBP @ 4,585' Also CIBP @ 4,675'

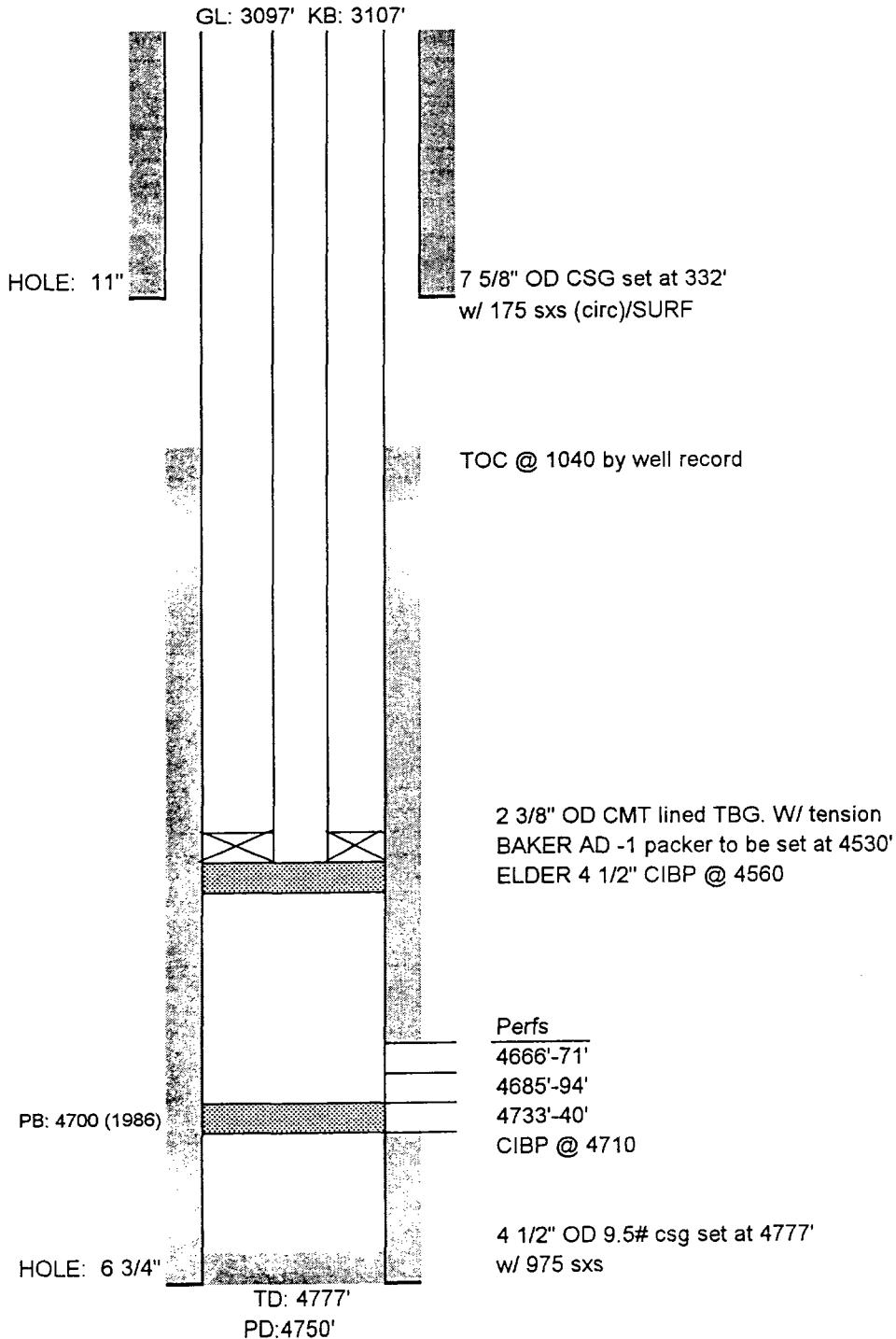
Quay Valley, INC

North El Mar Unit #57

FORMERLY CONTINENTAL OIL PAYNE #12
(NMOCD #?, API# 30-025-084400)

1935' FNL & 2090' FWL
Section 31, Township 26 South, Range 33 East
Lea County, NM

Spud Date: 8/13/60 Completion: 8/22/60



QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #57

Status	(WIWSI) Formerly: Payne #12
County & State	Lea County, New Mexico
Spud Date:	08/13/60
Completion	08/22/60
Total Depth	4,777'
Surface Casing	7 5/8" @ 332' 175 sx TOC: SURFACE Hole Size: 11"
Production Casing	4 1/2" @ 4,777' 975 sx TOC: 1040' Hole Size: 6 3/4"
Tubing Size	2 3/8"
Perforations	4,666'-71', 4,685'-94' (4,733'-40')
Packer Size & Type	Baker AD-1 @ 4,530'
Bridge Plug, If one	Elder 4 1/2" CIBP @ 4,560' CIBP 4 1/2" @ 4,710' (Maybe another CIBP below this)

Quay Valley, INC

North El Mar Unit #59

(NMOCD #?, API# 30-025-253890)

600' FSL & 900' FWL

Spud Date: 12/13/76 Completion: 1/22/77

Section 35, Township 26 South, Range 32 East

Lea County, NM

EL: 3094'

GL: KB:

HOLE: 12 1/4"

8 5/8", 24# K-55 csg @
650' w/ 400 sx (circ)

TOC @ 2700' by well record

2 3/8" TBG @ 4464'

4481, 83, 87, 92,
94, 4500, 02, 04, 06
9 shots

HOLE: 7 7/8"

TD: 4550'
PBD: 4512'

5 1/2" 15# K-55 csg @ 4550'
w/ 300 sx

QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #59

Status	(POW)
County & State	Lea County, New Mexico
Spud Date:	12/13/76
Completion	01/22/77
Total Depth	4,550' PBTD @ 4,512'
Surface Casing	8 5/8" @ 650' 400 sx TOC: Surface Hole Size: 12 1/4"
Production Casing	5 1/2" @ 4,550' 300 sx TOC: 2,700' Hole Size: 7 7/8"
Tubing Size	2 3/8" @ 4,464'
Perforations	4,481'-4,506'
Packer Size & Type	
Bridge Plug, If one	

Quay Valley, INC

North El Mar Unit #60

(NMOCD #?, API# 30-025-253900)

500' FSL & 1650' FEL

Spud Date: 12/23/76 Completion: 1/27/77

Section 35, Township 26 South, Range 32 East

Lea County, NM

EL: 3094'

GL: KB:

HOLE: 12 1/4"

8 5/8 , 24# csg @
650' w/ 400 sx (circ)

147 JTS 2 7/8" J-55 EUE 8rd
tbg @ 4525

TOC @ 3400' by well record

4556'-4592' 2 JSPF (65)

CIBP PUSHED TO 4620'

HOLE: 7 7/8"

5 1/2" 14# K-55 csg @ 4665'
w/ 330 sx

TD: 4665'
PBD: 4626'

QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/Gray Pumping
915/943-4397

NEMU #60

Status	(POW)
County & State	Lea County, New Mexico
Spud Date:	12/23/76
Completion	01/27/77
Total Depth	4,665' PBTD @ 4,626'
Surface Casing	8 5/8" @ 650' 400 sx TOC: Surface Hole Size: 12 1/4"
Production Casing	5 1/2" @ 4,665' 330 sx TOC: 3,400' Hole Size: 7 7/8"
Tubing Size	2 3/8" @ 4,525'
Perforations	4,556'-78', 4,582'-92'
Packer Size & Type	
Bridge Plug, If one	CIBP @ 4,620' (Drilled out 10/95)

Quay Valley, INC

North El Mar Unit #61

(NMOCD #?, API# 30-025-253820)

660' FNL & 330' FEL

Spud Date: 1/4/77 Completion: 2/14/77

Section 36, Township 26 South, Range 32 East

Lea County, NM

EL: 3092

GR: 3092' GL: 3103'

HOLE: 12 1/4"

8 5/8", 24# H-40 csg @ 675
w/ 420 sx (circ)

TOC @ 2600' by well record

146 JTS 2 3/8" tbg w/
OPMA @ 4636 ; SN @ 4606

4618', 24', 26', 30', 32',
34', 36', 40', 42', 48', 50', 52', 57',
& 59' w/ 1 JSPF (15 shots)

4696'-4714' w/2 JSPF
(36 shots)

HOLE: 7 7/8"

TD: 4780'
PBD: 4740'

5 1/2" 14# K-55 csg @ 4780
w/ 400 sx

QUAY VALLEY, INC.
JULY, 1996

Bobby Gray/ray Pumping
915/943-4397

NEMU #61

Status	(POW)
County & State	Lea County, New Mexico
Spud Date:	01/04/77
Completion	02/14/77
Total Depth	4,780' PBTD @ 4,740'
Surface Casing	8 5/8" @ 675' 420 sx TOC: Surface Hole Size: 12 1/4"
Production Casing	5 1/2" @ 4,780' 400 sx TOC: 2,600' Hole Size: 7 7/8"
Tubing Size	2 3/8" @ 4,636'
Perforations	4,696'-4,714' (Old perms) 4,618', 4,622'-42', 4,647'-59',
Packer Size & Type	
Bridge Plug, If one	

QUAY VALLEY, INC.

C-108 REQUIREMENT - VII

PROPOSED OPERATION

1. PROPOSED AVERAGE AND MAXIMUM DAILY RATE AND VOLUME OF FLUIDS TO BE INJECTED:

	DAILY AVERAGE	DAILY MAXIMUM
CO2 RATE	12 MMCF (0.50 MMCF/WELL)	15 MMCF (0.75 MMCF/WELL)
WATER VOLUME	2400 BWPD (100 BWPD/WELL)	4700 BWPD (200 BWPD/WELL)

2. WHETHER THE SYSTEM IS OPEN OR CLOSED: CLOSED.

3. PROPOSED AVERAGE AND MAXIMUM INJECTION PRESSURE:

	INJECTION PRESSURE AVERAGE	MAXIMUM
CO2 RATE	1100 PSI	1160 PSI
WATER VOLUME	500 PSI	530 PSI

4. SOURCES AND AN APPROPRIATE ANALYSIS OF INJECTION FLUID AND COMPATIBILITY WITH THE RECEIVING FORMATION IF OTHER THAN REINJECTED PRODUCED WATER.

WATER: PRODUCED FORMATION WATER

CO2 KINDER-MORGAN ENERGY PARTNERSHIP LP
(EXISTING CO2 PIPELINE)

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.).

NOT APPLICABLE.

Quay Valley, Inc.

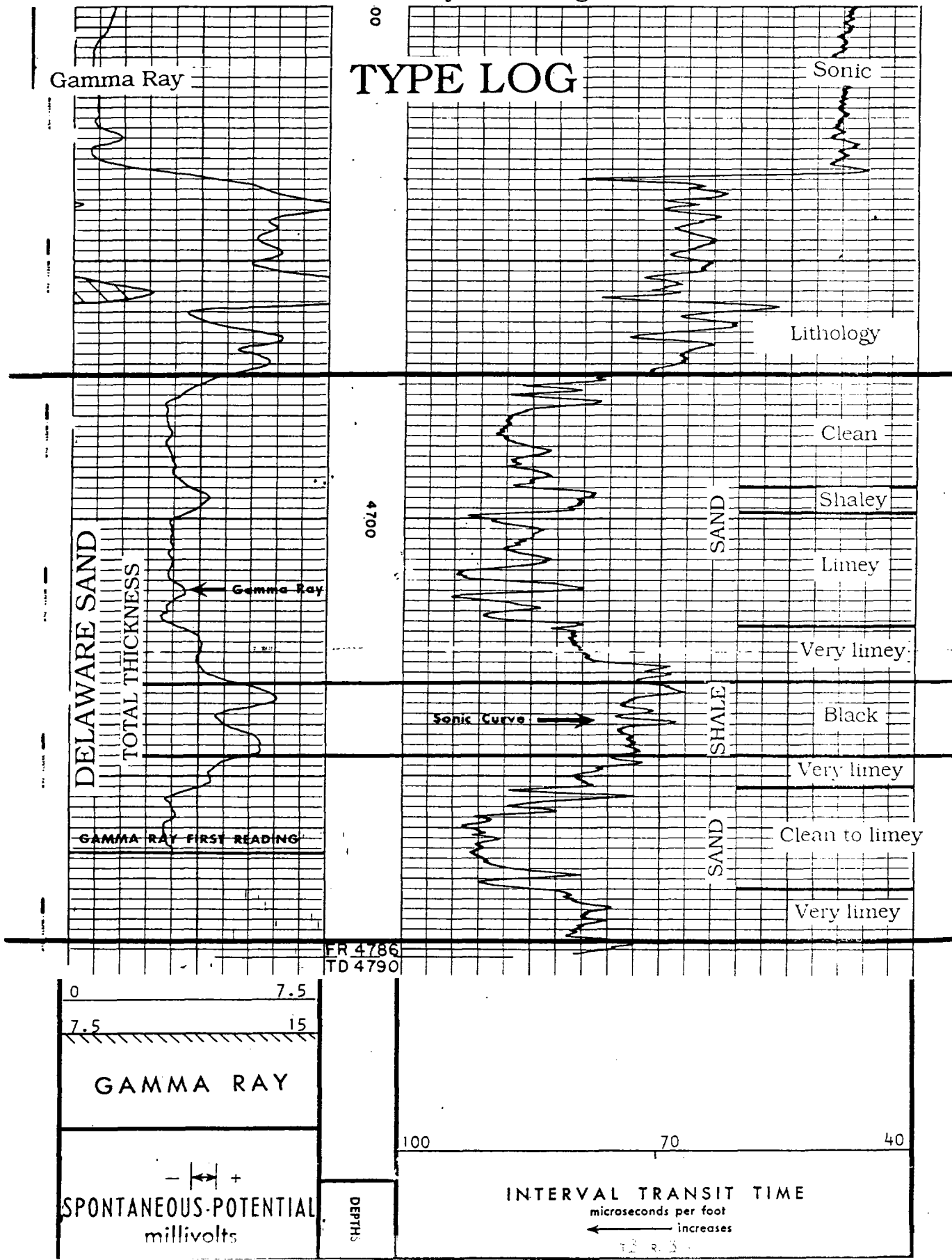
#39 NEMU

(Conoco # 11 Payne Federal)

Section 30N, T26S, R33E

KB 3113'

Gamma Ray - Sonic Log



FORM C-108						
VIII GEOLOGIC DATA ON INJECTION ZONE						
NORTH EL MAR UNIT			Lea County, New Mexico			
The injection zone for the North El Mar Unit is known as the Delaware Sand unit.						
The unitized Delaware Sand unit is a sand - shale sequence found near the top of the Bell Canyon Formation and is of Permian age. Its approximate depth is 4600 feet below the surface, and its approximate thickness is 110 feet.						
The unitized Delaware Sand unit was originally defined by Continental Oil Company in their Unit Agreement, dated June 25, 1973, as that interval found between the depths of 4672' and 4782' in the Continental Oil Company Payne No. 11 well, located 1650' FWL and 660' FSL, Section 30, Township 26 South, Range 33 East, on the Gamma Ray Sonic log of said well run on July 21, 1960. A copy of that log is included as our Type Log.						
TYPE LOG FOR UNITIZED DELAWARE SAND						
Lea County	Well Name	KB	Location	Delaware Sand		
Operator		TD		Top	Bottom	Thickness
				Subsea	Subsea	
Quay Valley Inc.	#39 NEMU	3113	30N26S33E	4672	4782	110'
(Conoco)	#11 Payne Federal	4786'		-1559	-1669	
INJECTION WELLS						
Quay Valley Inc.	#2 NEMU	3149	24P26S32E	4696	4764	68'
(Hill & Meeker)	#1 Gulf Federal	4790'		-1547	-1615	
Quay Valley Inc.	#4 NEMU	3145	30D26S33E	4678	> 4700	22'+
N.G. Penrose	#1 Brown Federal	4704'		-1533	-1555	
Quay Valley Inc.	#6 NEMU	3130	25B26S32E	4644	> 4686	42'+
(Conoco)	#9 Wilder Federal	4696'		-1514	-1556	
Quay Valley Inc.	#8 NEMU	3133	25D26S32E	4629	> 4684	55'+
(Conoco)	#23 Wilder Federal	4684'		-1496	-1551	
Quay Valley Inc.	#10 NEMU	3120	26F26S32E	4518	> 4565	47'+
(Conoco)	# 27 Wilder Federal	4583'		-1398	-1449	
Quay Valley Inc.	#12 NEMU	3121	26H26S32E	4595	> 4652	57'+
(Conoco)	# 21 Wilder Federal	4652'		-1474	-1531	
Quay Valley Inc.	#14 NEMU	3133	25F26S32E	4615	> 4657	42'+
(Conoco)	#6 Wilder Federal	4665'		-1482	-1524	
Quay Valley Inc.	#16 NEMU	3130	25H26S32E	4642	> 4696	54'+
(Conoco)	#10 Wilder Federal	4697'		-1512	-1566	
Quay Valley Inc.	#18 NEMU	3137	30F26S33E	4715	> 4831	116'+
(Conoco)	#8 Payne Federal	4830'		-1578	-1694	
Quay Valley Inc.	#20 NEMU	3122	30L26S33E	4671	> 4720	49'+
(Conoco)	#3 Payne Federal	4719'		-1549	-1598	
Quay Valley Inc.	#22 NEMU	3122	25J26S32E	4619	> 4720	101'+
(Conoco)	#7 Wilder Federal	4719'		-1497	-1598	

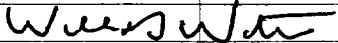
NEMU UNIT FM

FORM C-108 VIII Page 2						
Lea County	Well Name	KB	Location	Delaware Sand		
Operator		TD		Top	Bottom	Thickness
				Subsea	Subsea	
Quay Valley Inc.	#24 NEMU	3118	25L26S32E	4595	> 4644	49'+
(Conoco)	#3 Wilder Federal	4644'		-1477	-1526	
Quay Valley Inc.	#26 NEMU	3112	26J26S32E	4538	4628	90'
(Conoco)	# 20 Wilder Federal	4643'		-1426	-1516	
Quay Valley Inc.	#28 NEMU	3104	26L26S32E	4490	> 4547	57'+
(Conoco)	# 24 Wilder Federal	4607'		-1386	-1441	
Quay Valley Inc.	#29 NEMU	3099	27P26S32E	4457	4520	63'
(GL Buckles)	# 3 Elliott Fed	4550'		-1358	-1421	
Quay Valley Inc.	#31 NEMU	3109	26N26S32E	4495	4587	92'
(Conoco)	# 19 Wilder Federal	4641'		-1386	-1478	
Quay Valley Inc.	#33 NEMU	3113	26P26S32E	4583	> 4638	55'+
(Conoco)	# 1 Wilder 26 Fed	4640'		-1470	-1525	
Quay Valley Inc.	#35 NEMU	3114	25N26S32E	4600	> 4656	56'+
(Conoco)	#2 Wilder Federal	4656'		-1486	-1538	
Quay Valley Inc.	#37 NEMU	3118	25P26S32E	4626	> 4675	49'+
(Conoco)	#12 Wilder Federal	4683'		-1508	-1557	
Quay Valley Inc.	#39 NEMU	3113	30N26S33E	4672	4782	110'
(Conoco)	#11 Payne Federal	4786'		-1559	-1669	
Quay Valley Inc.	#41 NEMU	3105	31D26S33E	4638	> 4738	100'+
(Conoco)	#7 Payne Federal	4742'		-1533	-1633	
Quay Valley Inc.	#42 NEMU	3115	36B26S32E	4616	> 4684	68'+
(Hill & Meeker)	#3-36 State	4721'		-1501	-1569	
Quay Valley Inc.	#46 NEMU	3108	35B26S32E	4559	> 4606	47'+
(Conoco)	#4 Bradley 35 Fed	4608'		-1451	-1498	
Quay Valley Inc.	#48 NEMU	3106	35D26S32E	4472	> 4518	46'+
(Conoco)	#2 Bradley 35 Fed	4523'		-1366	-1412	
Quay Valley Inc.	#50 NEMU	3092	34H26S32E	4448	> 4532	84'+
(GL Buckles)	#1 Elliott Fed	4550'		-1356	-1440	
Quay Valley Inc.	#51 NEMU	3112	35F26S32E	4506	> 4556	50'+
(Conoco)	#6 Payne Federal	4559'		-1394	-1444	
Quay Valley Inc.	#52 NEMU	3097	35H26S32E	4566	> 4614	48'+
(Conoco)	#1 Payne 35 Fed	4620'		-1469	-1517	
Quay Valley Inc.	#54 NEMU	3101	36F26S32E	4588	> 4660	72'+
(Hill & Meeker)	#5-36 State	4750'		-1487	-1559	

NEMU UNIT FM

FORM C-108 VIII Page 3						
Lea County	Well Name	KB	Location	Delaware Sand		
Operator		TD		Top	Bottom	Thickness
				Subsea	Subsea	
Quay Valley Inc	#57 NEMU	3108	31F26S33E	4656	4763	107'
(Conoco)	#12 Payne Federal	4777'		-1548	-1655'	
Quay Valley Inc.	#58 NEMU	3107	36D26S32E	4582	4686	104'
(Conoco)		4750'		-1475	-1579'	
Quay Valley Inc	#62 NEMU	3101	36H26S32E	4614	4718	104'
(Conoco)		4750'		-1513	-1617'	
> means greater than						
UNDERGROUND SOURCES OF DRINKING WATER						
(LESS THAN 10,000 MG/L)						
OVERLYING NORTH EL MAR UNIT						
Overlying the North El Mar Unit, underground drinking water is found in the Rustler Formation at between 100 and 200 feet below the surface. There are no water wells within one mile of the North El Mar Unit. The closest water well is the Rattlesnake '28' #1, located in Section 28, T-26-S, R-33-E.						
UNDERLYING NORTH EL MAR UNIT						
Underlying the North El Mar Unit, there are no known sources of drinking water.						

146

FORM C-108					
XII	FAULTS OR OTHER HYDROLOGIC CONNECTIONS				
I have examined the available geologic and engineering data in the North					
El Mar Field, and I have found no evidence of open faults or any other hydrologic					
connection between the disposal zone and any underground source of drinking water.					
					
	William G. Watson,				
	Consulting Geologist				

QUAY VALLEY, INC.

C-108 REQUIREMENT - X

LOGS: ON FILE AT OCD

FILED WITH EACH WELL AT TIME OF COMPLETION.

Texas Offset Wells

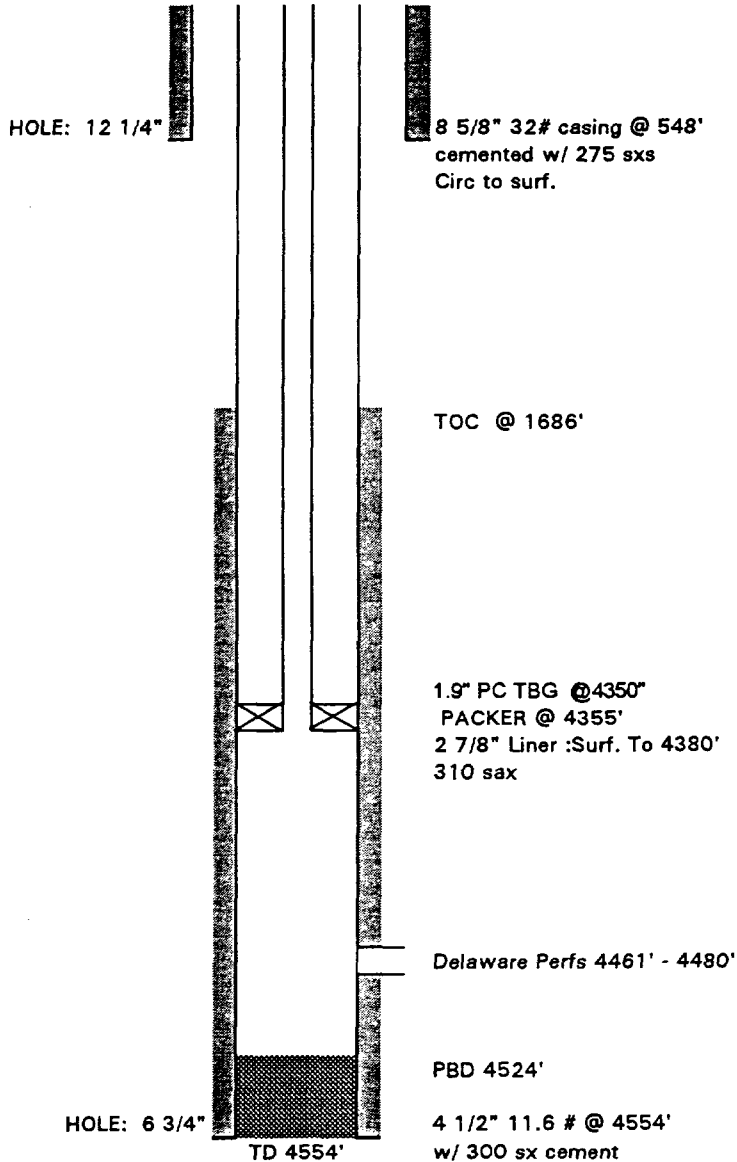
BURLINGTON RESOURCES

EL MAR/DELAWARE/UNIT #1112
 FORMERLY UNION ROYALTY, INC. EL MAR EDLAWARE UNIT #1112
 (NMOCD # ____, API# 42-301-00151)

1000' FNL & 2350' FWL
 Section 4, BLK.54, T&P SURVEY
 County: LOVING, State: TEXAS
 EL: 3088' GR
 GL: KB:

SPUD DATE: 7/19/61 COMPLETION: 8/30/61
 Drilling comments:

Completion Comments:
 Plug back date: 4/11/97
 Completed: 4/30/97
 Well Type WIW
 No other information available in public records



RAILROAD COMMISSION OF TEXAS

Type or print only

Oil and Gas Division

Form W-2

Rev. 4/1/83

483-046

13(A) Extension Date

API No. 42-301-80174

7. RRC District No.

08

8. RRC Lease No.

21246

Oil Well Potential Test, Completion or Recompletion Report, and Log

1. FIELD NAME (as per RRC Records or Wildcat)

El Mar (Delaware)

2. LEASE NAME

El Mar (Delaware) Unit

9. Well No.

1112 WI

3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report)

Union Royalty, Inc.

RRC Operator No.

876825

10. County of well site

Loving

4. ADDRESS

One First City Center, 500 W. Texas, Ste. 1460, Midland, TX 79701

5. If Operator has changed within last 60 days, name former operator

11. Purpose of filing

Initial Potential ☐Retest ☐Reclass ☐Well record only ☒

(explain in Remarks)

6a. Location (Section, Block, and Survey)

Sec. 4, Blk. 54, T&P Survey

6b. Distance and direction to nearest town in this county.

17 mi. S of Mentone, TX

12. If workover or reclass, give former field (with reservoir) & gas ID or oil lease no.
FIELD & RESERVOIRGAS ID or
OIL LEASE #Oil - O
Gas - G

WELL NO.

13. Type of electric or other log run

14. Completion or recompletion date

8/30/61

SECTION I: POTENTIAL TEST DATA IMPORTANT: Test should be for 24 hours unless otherwise specified in field rules.

15. Date of test	16. No. of hours tested	17. Production method (Flowing, Gas Lift, Jetting, Pumping— Size & Type of pump)			18. Choke size
19. Production during Test Period	Oil - BBLS	Gas - MCF	Water - BBLS	Gas - Oil Ratio	Flowing Tubing Pressure PSI
20. Calculated 24- Hour Rate	Oil - BBLS	Gas - MCF	Water - BBLS	Oil Gravity—API—60°	Casing Pressure PSI
21. Was swab used during this test? Yes <input type="checkbox"/> No <input type="checkbox"/>		22. Oil produced prior to test (New & Reworked wells)		23. Injection Gas—Oil Ratio	

REMARKS: This well is a shut-in water injection well. W-2 filed to update RRC well record only. Please update delinquent W-10.

INSTRUCTIONS: File an original and one copy of the completed Form W-2 in the appropriate RRC District Office within 30 days after completing a well and within 10 days after a potential test. If an operator does not properly report the results of a potential test within the 10-day period, the effective date of the allowable assigned to the well will not extend back more than 10 days before the W-2 was received in the District Office. (Statewide Rules 16 and 51) To report a completion or recompletion, fill in both sides of this form. To report a retest, fill in only the front side.

WELL TESTER'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.

Signature: Well Tester

Name of Company

RRC Representative

OPERATOR'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

T. N. McKnight, Jr.

Typed or printed name of operator's representative

915-686-1991

Telephone: Area Code Number

09 / 18 / 89

Date: mo. day year

President

Title of Person

Signature

151

SECTION II

DATA ON WELL COMPLETION AND LOG (Not Required on Retest)

24. Type of Completion:				25. Permit to Drill, Plug Back or Deepen		DATE 7/19/61		PERMIT CASE	
New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/>				Rule 37				Exception	
26. Notice of Intention to Drill this well was filed in Name of Kern County Land Company				Water Injection Permit				PERMIT	
27. Number of producing wells on this lease in this field (reservoir) including this well		28. Total number of acres in this lease 9440		Salt Water Disposal Permit				PERMIT	
29. Date Plug Back, Deepening, WorkOver or Drilling Operations:		Commenced		Completed		30. Distance to nearest well. Same Lease & Reservoir		Other	
31. Location of well, relative to nearest lease boundaries of lease on which this well is located				Feet From		Line and		Feet from	
				Line of the				Lease	
32. Elevation (DF, RKB, RT, GR, ETC.) 3088 (GR)				33. Was directional survey made other than Inclination (Form W-12)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
34. Top of Pay 4461	35. Total Depth 4554 ✓	36. P. B. Depth 4524	37. Surface Casing Determined by: Field <input checked="" type="checkbox"/> Rules <input type="checkbox"/>		Recommendation of T.D.W.R. Railroad Commission (Special) <input type="checkbox"/>		Dt. of Letter		
38. Is well multiple completion? No		39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No. FIELD & RESERVOIR				40. Intervals Drilled by:		Rotary Tools	
41. Name of Drilling Contractor						42. Is Cementing Affidavit Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
43. CASING RECORD (Report All Strings Set in Well)									
CASING SIZE	WT #/FT.	DEPTH SET	MULTISTAGE TOOL DEPTH	TYPE & AMOUNT CEMENT (sacks)	HOLE SIZE	TOP OF CEMENT	SLURRY VOL. cu. ft.		
8-5/8	32#	548		225A 50 Neat	12 1/4	Circ			
4-1/2	9.5#	4554 ✓		250A 50 Latex	6-3/4				

44. LINER RECORD				
Size	TOP	Bottom	Sacks Cement	Screen

45. TUBING RECORD			46. Producing Interval (this completion) indicate depth of perforation or open hole	
Size	Depth Set	Packer Set	From	To
2-3/8	4257	4257	From 4461	To 4469
			From	To
			From	To

47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Depth Interval	Amount and Kind of Material Used

48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)			
Formations	Depth	Formations	Depth
Delaware	4456		

REMARKS Set PKR @ 4257 W/PC TBG. Install wellhead. Converted to water injection. Well tested for future transfer of allowable (10/18/76).

Type or print only

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

5-9-97

Form W-2

Rev. 4/1/83

483-048

API No. 42- 301-00151				7. RRC District No. 08	
Oil Well Potential Test, Completion or Recompletion Report, and Log				8. RRC Lease No. 21246	
1. FIELD NAME (as per RRC Records or Wildcat) El Mar (Delaware)		2. LEASE NAME El Mar/Delaware/Unit		9. Well No. 1112	
3. OPERATOR'S NAME (Exactly as shown on P-5, Organization Report) Burlington Resources Oil & Gas Company		RRC Operator No. 109338		10. County of well site Loving	
4. ADDRESS P.O. Box 51810 Midland, TX 79710-1810				11. Purpose of filing Initial Potential <input type="checkbox"/>	
5. If Operator has changed within the last 60 days, name the former operator				Retest <input type="checkbox"/>	
6a. Location (Section, Block, and Survey) 4 54 T & P		6b. Distance and direction to nearest town in this county. 18 miles northeast of Orla, Tx		Reclass <input type="checkbox"/>	
12. If workover or reclass, give former field (with reservoir) & gas ID or oil lease no. FIELD & RESERVOIR		GAS ID or OIL LEASE #		Oil - O Gas - G	
				WELL NO.	
13. Type of electric or other log run				14. Completion or recompletion date 4/30/97	
				Well record only <input checked="" type="checkbox"/> (explain in Remarks)	

SECTION I: POTENTIAL TEST DATA

IMPORTANT: Test should be for 24 hours unless otherwise specified in field rules.

15. Date of test	16. No. of hours tested	17. Production method (Flowing, Gas Lift, Jetting, Pumping - Size & Type of pump)			18. Choke size
19. Production during Test Period	Oil - BBLS	Gas - MCF	Water - BBLS	Gas - Oil Ratio	Flowing Tubing Pressure PSI
20. Calculated 24- Hour Rate	Oil - BBLS	Gas - MCF	Water - BBLS	Oil Gravity - API - 60°	Casing Pressure PSI
21. Was swab used during this test? Yes <input type="checkbox"/> No <input type="checkbox"/>		22. Oil produced prior to test (New & Reworked wells)			23. Injection Gas-Oil Ratio
REMARKS: Cleaned out, repaired holes in csg w/sqz jobs, and ran 2 7/8" liner					

INSTRUCTIONS: File an original and one copy of the completed Form W-2 in the appropriate RRC District Office within 30 days after completing a well and within 10 days after a potential test. If an operator does not properly report the results of a potential test within the 10-day period, the effective date of the allowable assigned to the well will not extend back more than 10 days before the W-2 was received in the District Office. (Statewide Rules 16 and 51) To report a completion or recompletion, fill in both sides of this form. To report a retest, fill in only the front side.

WELL TESTER'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.

Signature: Well Tester

Name of Company

RRC Representative

RECEIVED
R.R.C. OF TEXAS
MAY - 8 1997

OPERATOR'S CERTIFICATION

I declare under the penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

Donna Williams

Typed or printed name of operator's representative

915-688-6943

Telephone: Area Code Number

05 / 06 / 97

Date: mo. day year

Regulatory Compliance

Title of Person

Signature

MIDLAND, TEXAS

DATA ON WELL COMPLETION AND LOG (Not Required on Reset)

24. Type of Completion New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/>				25. Permit to Drill, Plug Back or, Deepen DATE PERMIT N Rule 37 CASE N Exception Water injection PERMIT N Permit 11/30/93 F-1182 Salt Water Disposal PERMIT N Permit Other PERMIT N			
26. Notice of Intention to Drill this well was filed in Name of							
27. Number of producing wells on this lease in this field (reservoir) including this well		28. Total number of acres in this lease <div style="text-align:center">9,440</div>					
29. Date Plug Back, Deepening, Workover or Drilling Operations: <div style="display:flex; justify-content:space-between;"><div>Commenced 4/11/97</div><div>Completed 4/30/97</div></div>		30. Distance to nearest well. Same Lease & Reservoir					
31. Location of well, relative to nearest lease boundaries of lease on which this well is located <div style="display:flex; justify-content:space-between;"><div>1000' Feet from</div><div>North Line and</div><div>2350' Feet from</div></div> <div style="display:flex; justify-content:space-between;"><div>West Line of the</div><div>El Mar/Delaware/Unit Lease</div></div>							
32. Elevation (DF, RKB, RT, GR, ETC.)				33. Was directional survey made other than inclination (W-12)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
34. Top of Pay 4461'	35. Total Depth 4554'	36. P. B. Depth 4524'	37. Surface Casing Determined by: Field Rules <input type="checkbox"/> Recommendation of T.D.W.R. Railroad Commission (Special) <input type="checkbox"/>	Di. of Letter		Di. of Letter	
38. Is well multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No. <div style="text-align:center">FIELD & RESERVOIR</div>			40. Intervals Drilled by: Rotary Tools Cable Tool		
41. Name of Drilling Contractor Dawson					42. Is Cementing Affidavit Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
43. CASING RECORD (Report All Strings Set in Well)							
CASING SIZE	WT #/FT.	DEPTH SET	MULTISTAGE TOOL DEPTH	TYPE & AMOUNT CEMENT (sacks)	HOLE SIZE	TOP OF CEMENT	SLURRY VOL. cu. ft.
8 5/8"	32#	548'		275 SXS	12 1/4"	Surf.	
4 1/2"	11.6#	4554'		300 SXS	6 3/4"	1686'	

44. LINER RECORD				
Size	TOP	Bottom	Sacks Cement	Screen
2 7/8"	Surf.	4380'	310 SXS	

45. TUBING RECORD			46. Producing Interval (this completion) Indicate depth of perforation or open hole	
Size	Depth Set	Packer Set	From	To
1.9	4350'	4355'	4461'	4480'
			From	To
			From	To

47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Depth Interval	Amount and Kind of Material Used
747' - 873'	Sqzd holes w/150 sxs 'C' + 2% CaCl2, Drld out
4380' - Surface	Ran 2 7/8" liner w/310 sxs cmt

48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)			
Formations	Depth	Formations	Depth

REMARKS Cleaned out, repaired csq leak, and ran 2 7/8" liner

Cementing Report
Rev. 4/1/83
483-045

RAILROAD COMMISSION OF TEXAS Oil and Gas Division

1. Operator's Name (As shown on Form P-5, Organization Report) BURLINGTON RESOURCES OIL & GAS		2. RRC Operator No. 109338	3. RRC District No. 08	4. County of Well Site LOVING
5. Field Name (Wildcat or exactly as shown on RRC records) EL MAR (DELAWARE)			6. API No. 42-301-00151	7. Drilling Permit No.
8. Lease Name EL MAR/DELAWARE/UNIT		9. Rule 37 Case No. 21246	10. Oil Lease/Gas ID No.	11. Well No. 1112

CASING CEMENTING DATA:	SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Parallel Strings	LINER X Tool	Shoe
12. Cementing Date						
13. *Drilled hole size						
*Est. % wash or hole enlargement						
14. Size of casing (In. O.D.)					2 7/8	
15. Top of liner (ft.)					SURFACE	

154

BURLINGTON RESOURCES

EL MAR/DELAWARE/UNIT #1113

FORMERLY

(NMOCD # _____, API# 42-301-00787)

330' FNL & 1263' FEL

Section 4, BLK. 54, T&P RR

County: LOVING, STATE: TEXAS

EL: 3100' DF

GL: KB: 9'

SPUD DATE: 9/19/59 COMPLETION: 10/7/59

Drilling comments:

Completion Comments:

Well Type POW

No other information available in public records

HOLE: 12 1/4"

8 5/8" 32# casing @ 387'
cemented w/ 150 SAX
Circ / SURF

TOC @ 3450'

2 3/8" tubing 4.7# J-55 @ 7'
SN @ 4480'
PUMP: 2" X 1 1/2" X 12'
RODS: 178 - 3/4"
Delaware Perfs : 4469' - 4476'
4488' - 4500' @ 2JSPF

HOLE: 6 3/4" PBTD: 4574'
TD 4553'

4 1/2" 9.5# J-55 @ 4553'
w/ 150 sx cement

BURLINGTON RESOURCES

EL MAR/DELAWARE/UNIT #1114W

FORMERLY :MERIDIAN OIL INC. EL MAR DELAWARE #1114W

(NMOCD # _____, API# 42-301-00786)

330' FNL & 330' FEL

SEC. 4, BLK 54 SURVEY T & P RR

County: LOVING, STATE: TEXAS

EL: 3098'

GL: KB:

SPUD DATE: 11/24/59 COMPLETION: 12/7/59

Drilling comments:

Completion Comments:

RECOMPLETION DATE 5/14/96

Well Type WIW

No other information available in public records

HOLE: 12 1/4"

8 5/8" 32# casing @ 433'
cemented w/ 150 SXS
Circ / SURF

TOC UNK

PACKER @ 4444'
2 3/8" TBG @ 4444'

Delaware Perfs: 4490' - 4524'

PBD @ 4553

HOLE: 6 3/4"

TD 4586'

4 1/2" 9.5# @ 4586'
w/ 150 sx cement

Fluid information:

Type or print only

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

4-1-97

Form W-2

Rev. 4/1/83

483-046

API No. 42-301-00786				7. RRC District No. 08	
Oil Well Potential Test, Completion or Recompletion Report, and Log					
1. FIELD NAME (as per RRC Records or Wildcat) El Mar (Delaware)		2. LEASE NAME El Mar/Delaware/Unit		8. RRC Lease No. 21246	
3. OPERATOR'S NAME (Exactly as shown on P-5, Organization Report) Meridian Oil Inc. Burlington Resources Oil & Gas		RRC Operator No. 561132 109338		9. Well No. 1114 W	
4. ADDRESS P.O. Box 51810, Midland, TX 79710-1810				10. County of well site Loving	
5. If Operator has changed within the last 60 days, name the former operator				11. Purpose of filing Initial Potential <input type="checkbox"/> Retest <input type="checkbox"/> Reclass <input checked="" type="checkbox"/> Well record only <input checked="" type="checkbox"/> (explain in Remarks)	
6a. Location (Section, Block, and Survey) 4 54 T & P RR		6b. Distance and direction to nearest town in this county. 20 miles north of Mentone			
12. If workover or reclass, give former field (with reservoir) & gas ID or oil lease no. FIELD & RESERVOIR		GAS ID or OIL LEASE #		WELL NO.	
13. Type of electric or other log run		14. Completion or recompletion date 5/14/96			

SECTION I: POTENTIAL TEST DATA

IMPORTANT: Test should be for 24 hours unless otherwise specified in field rules.

15. Date of test		16. No. of hours tested		17. Production method (Flowing, Gas Lift, Jetting, Pumping - Size & Type of pump)		18. Choke size	
19. Production during Test Period		Oil - BBLS	Gas - MCF	Water - BBLS	Gas - Oil Ratio	Flowing Tubing Pressure PSI	
20. Calculated 24-Hour Rate		Oil - BBLS	Gas - MCF	Water - BBLS	Oil Gravity - API - 60°	Casing Pressure PSI	
21. Was swab used during this test? Yes <input type="checkbox"/> No <input type="checkbox"/>		22. Oil produced prior to test (New & Reworked wells)				23. Injection Gas-Oil Ratio	
REMARKS Cleaned out, restimulated, and returned to injection.							

INSTRUCTIONS: File an original and one copy of the completed Form W-2 in the appropriate RRC District Office within 30 days after completing a well and within 10 days after a potential test. If an operator does not properly report the results of a potential test within the 10-day period, the effective date of the allowable assigned to the well will not extend back more than 10 days before the W-2 was received in the District Office. (Statewide Rules 16 and 51) To report a completion or recompletion, fill in both sides of this form. To report a retest, fill in only the front side.

WELL TESTER'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.

Signature: Well Tester

Name of Company

RRC Representative

RECEIVED
R.R.C. OF TEXAS
MAY 17 1996
MIDLAND, TEXAS

OPERATOR'S CERTIFICATION

I declare under the penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

Donna Williams

Typed or printed name of operator's representative

915-688-6943

Telephone: Area Code Number

Date: 05 / 16 / 96

mo. day year

Regulatory Compliance

Title of Person

Signature

SECTION II DATA ON WELL COMPLETION AND LOG (Not Required on Reset)									
24. Type of Completion New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/>					25. Permit to Drill, Plug Back or Deepen		DATE		PERMIT NO.
26. Notice of Intention to Drill this well was filed in Name of					Rule 37		CASE NO.		
					Exception				
27. Number of producing wells on this lease in this field (reservoir) including this well			28. Total number of acres in this lease 9.440			Water injection Permit		11/30/93	PERMIT NO. F-1182
29. Date Plug Back, Deepening, Workover or Drilling Operations: 5/8/96			Completed 5/14/96		30. Distance to nearest well. Same Lease & Reservoir		Salt Water Disposal Permit		PERMIT NO.
31. Location of well, relative to nearest lease boundaries of lease on which this well is located 330' East					Feet from North		Line and 330'		Feet from Lease
					Line of the El Mar/Delaware/Unit				
32. Elevation (DF, RKB, RT, GR, ETC.) 3098'					33. Was directional survey made other than inclination (W-12)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
34. Top of Pay 4490'	35. Total Depth 4586'	36. P. B. Depth 4553'	37. Surface Casing Determined by:	Field Rules <input type="checkbox"/>	Recommendation of T. D. W. R. Railroad Commission (Special) <input type="checkbox"/>		Dt. of Letter		
38. Is well multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No. FIELD & RESERVOIR				GAS ID or OIL LEASE #	Oil-O Gas-G	WELL #	40. Intervals Drilled by: Rotary Tools Cable Tools
41. Name of Drilling Contractor Pride									42. Is Cementing Affidavit Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
43. CASING RECORD (Report All Strings Set in Well)									
CASING SIZE	WT #/FT.	DEPTH SET	MULTISTAGE TOOL DEPTH	TYPE & AMOUNT CEMENT (sacks)	HOLE SIZE	TOP OF CEMENT	SLURRY VOL. cu. ft.		
8 5/8"	32#	433'		150 SXS	12 1/4"	Circ.	Unk.		
4 1/2"	9.5#	4586'		150 SXS	6 3/4"	Unk.	Unk.		
44. LINER RECORD									
Size	TOP		Bottom		Sacks Cement		Screen		
45. TUBING RECORD									
Size	Depth Set		Packer Set		46. Producing Interval (this completion) Indicate depth of perforation or open hole				
2 3/8"	4444'		4444'		From 4490' To 4524'				
					From To				
					From To				
					From To				
47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.									
Depth Interval					Amount and Kind of Material Used				
4490' - 4524'					A w/2000 gls 155 Fercheck HCL acid + 1000 gls gelled brine				
48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)									
Formations	Depth			Formations	Depth				

REMARKS: cleaned out, restimulated, and returned to injection

BURLINGTON RESOURCES

EL MAR/DELAWARE/UNIT # 1123

FORMERLY UNK

(NMOCD # ____, API# 42-301-00785)

1650' FNL & 990' FEL

Section 4, BLK 54, SURVEY T&P

County: LOVING, STATE: TEXAS

EL:

GL: KB:

SPUD DATE: 9/26/59 COMPLETION: 10/1/59

Drilling comments:

Completion Comments:

Well Type POW

No other information available in public records

HOLE: 11"

8 5/8" 32# casing @ 493'
cemented w/ 150
Circ

TOC @ 3485'

2 3/8" @ 4513'

Delaware Perfs @ 4490' - 4520'

PBD @ 4548'

HOLE: 6 3/4"

TD 4572'

4 1/2" 9.5 # @ 4572'
w/ 150 sx cement

Type or print only

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

3-21-97

Form W-2

Rev. 4/1/83

483-048

API No. 42-42-301-00785		7. RRC District No. 08
Oil Well Potential Test, Completion or Recompletion Report, and Log		8. RRC Lease No. 21246
1. FIELD NAME (as per RRC Records or Wildcat) El Mar (Delaware)	2. LEASE NAME El Mar/Delaware/Unit	9. Well No. 1123
3. OPERATOR'S NAME (Exactly as shown on P-5, Organization Report) Burlington Resources Oil & Gas Company		10. County of well site Loving
RRC Operator No. 109338		11. Purpose of filing Initial Potential <input type="checkbox"/> Retest <input checked="" type="checkbox"/> Reclass <input type="checkbox"/> Well record only (explain in Remarks) <input checked="" type="checkbox"/>
4. ADDRESS P.O. Box 51810 Midland, TX 79710-1810		
5. If Operator has changed within the last 60 days, name the former operator		
6a. Location (Section, Block, and Survey) 4 54 T & P	6b. Distance and direction to nearest town in this county. 18 miles northwest of Mentone	
12. If workover or reclass, give former field (with reservoir) & gas ID or oil lease no. FIELD & RESERVOIR	GAS ID or OIL LEASE #	Oil - O Gas - G
13. Type of electric or other log run		WELL NO.
14. Completion or recompletion date 1/22/97		

SECTION I: POTENTIAL TEST DATA

IMPORTANT: Test should be for 24 hours unless otherwise specified in field rules.

15. Date of test 1/23/97	16. No. of hours tested 24	17. Production method (Flowing, Gas Lift, Jetting, Pumping - Size & Type of pump) pumping	18. Choke size
19. Production during Test Period Oil - BBLS 4	Gas - MCF 57	Water - BBLS 35	Gas - Oil Ratio 85 PSI
20. Calculated 24-Hour Rate Oil - BBLS	Gas - MCF	Water - BBLS	Oil Gravity - API - 60° 41.3
21. Was swab used during this test? Yes <input type="checkbox"/> No <input type="checkbox"/>	22. Oil produced prior to test (New & Reworked wells)		23. Injection Gas-Oil Ratio
REMARKS: Clean out, reacidize, and return to production			

INSTRUCTIONS: File an original and one copy of the completed Form W-2 in the appropriate RRC District Office within 30 days after completing a well and within 10 days after a potential test. If an operator does not properly report the results of a potential test within the 10-day period, the effective date of the allowable assigned to the well will not extend back more than 10 days before the W-2 was received in the District Office. (Statewide Rules 16 and 51) To report a completion or recompletion, fill in both sides of this form. To report a retest, fill in only the front side.

WELL TESTER'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.

Signature: Well Tester

Name of Company

RRC Representative

RECEIVED
MAR 19 1997
MIDLAND O.G.

OPERATOR'S CERTIFICATION

I declare under the penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

Donna Williams

Typed or printed name of operator's representative

Telephone: Area Code Number

Date: 03 / 18 / 97

Regulatory Compliance

Title of Person

Signature

SECTION II										DATA ON WELL COMPLETION AND LOG (Not Required on Reset)									
24. Type of Completion New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/>										25. Permit to Drill, Plug Back or, Deepen DATE _____ PERMIT NO. _____ Rule 37 _____ CASE NO. _____ Exception _____ Water Injection Permit _____ PERMIT NO. _____ Salt Water Disposal Permit _____ PERMIT NO. _____ Other _____ PERMIT NO. _____									
26. Notice of Intention to Drill this well was filed in Name of _____										27. Number of producing wells on this lease in this field (reservoir) including this well _____ 28. Total number of acres in this lease <div style="text-align: center; font-weight: bold;">9.440</div>									
29. Date Plug Back, Deepening, Workover or Drilling Operations: Commenced 1/13/97 Completed 1/22/97										30. Distance to nearest well. Same Lease & Reservoir _____									
31. Location of well, relative to nearest lease boundaries of lease on which this well is located <div style="display: flex; justify-content: space-between;"> 1650' Feet from North Line and 990' Feet from </div> <div style="display: flex; justify-content: space-between;"> East Line of the El Mar/Delaware/Unit </div>										32. Elevation (DF, RKB, RT, GR, ETC.) _____ 33. Was directional survey made other than inclination (W-12)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
34. Top of Pay 4490'		35. Total Depth 4572'		36. P. B. Depth 4548'		37. Surface Casing Determined by: Field Rules <input type="checkbox"/> Recommendation of T.D.W.R. Railroad Commission (Special) <input type="checkbox"/>		Dr. of Letter _____ Dr. of Letter _____											
38. Is well multiple completion? <input type="checkbox"/> Yes <input type="checkbox"/> No		39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No. <div style="text-align: center; font-weight: bold;">FIELD & RESERVOIR</div>								40. Intervals Drilled by: <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">GAS ID or OIL LEASE #</td> <td style="width: 33%;">Oil-O Gas-G</td> <td style="width: 33%;">WELL #</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>		GAS ID or OIL LEASE #	Oil-O Gas-G	WELL #					
GAS ID or OIL LEASE #	Oil-O Gas-G	WELL #																	
41. Name of Drilling Contractor <div style="text-align: center; font-weight: bold;">Yale E. Key</div>										42. Is Cementing Affidavit Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
43. CASING RECORD (Report All Strings Set in Well)																			
CASING SIZE		WT #/FT.		DEPTH SET		MULTISTAGE TOOL DEPTH		TYPE & AMOUNT CEMENT (sacks)		HOLE SIZE		TOP OF CEMENT		SLURRY VOL. cu. ft.					
8 5/8"		32#		493'						11"		Surf.							
4 1/2"		9.5#		4572'						6 3/4"		3485'							
44. LINER RECORD																			
Size				TOP				Bottom				Sacks Cement				Screen			
45. TUBING RECORD																			
Size		Depth Set		Packer Set		46. Producing Interval (this completion) Indicate depth of perforation or open hole													
2 3/8"		4513'				From 4490' - 4520' To													
						From To													
						From To													
						From To													
47. ACID. SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																			
Depth Interval										Amount and Kind of Material Used									
400' - 436'										Sqzcd hole in csq w/300 sxs 'C' neat + 4% CaCl2									
4490' - 4520'										A w/3000 gls 15% HV-60 + 500# rock salt									
48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)																			
Formations					Depth					Formations					Depth				

REMARKS Cleaned out, squeezed hole, reacidized, & returned to production

BURLINGTON RESOURCES

EL MAR/DELAWARE/UNIT #1211

FORMERLY

(NMOCD # _____, API# 42-301-00393)

664' FNL & 660' FWL

Section 3, BLK. 54, T&P RR

County: LOVING, STATE: TEXAS

EL: 3085'

GL: KB: 10'

SPUD DATE: 10/10/59 COMPLETION: 10/20/59

Drilling comments:

Completion Comments:

Well Type POW

No other information available in public records

HOLE: 12 1/4"

8 5/8" 24# J-55 casing @ 532'
cemented w/ 250
Circ/SURF

TOC @ 3555'

PUMP: 2" X 1 1/2" X 12'
RODS: 161 - 3/4"
2 3/8" tubing @ 7'

Delaware Perfs :4512' - 4534'
4540' - 4550'

HOLE: 6 3/4" PBTD: 4574'
TD 4608'

4 1/2" 9.5 # J-55 @ 4609'
w/ 180 sx cement

BURLINGTON RESOURCES

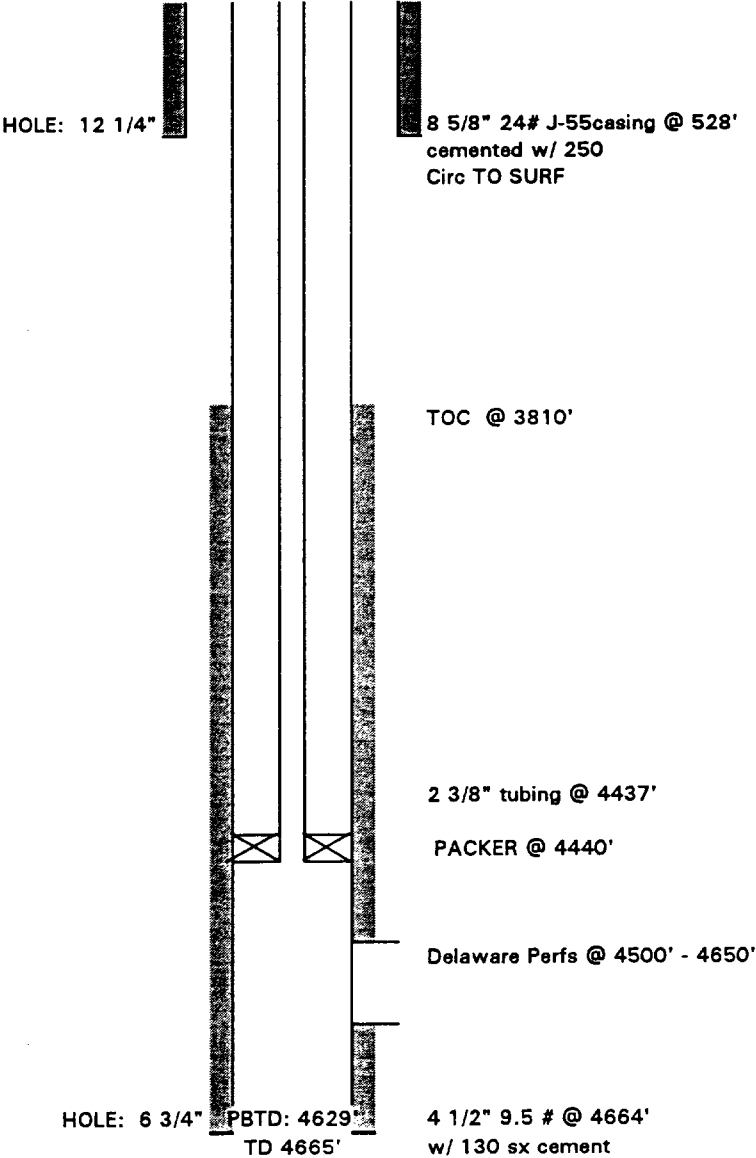
EL MAR/DELAWARE/UNIT # 1212W
FORMERLY UNION ROYALTY, INC, UNIT #1212W
(NMOCD # _____, API# 42-301-00394)

664' FNL & 1980' FWL
Section 3, BLK 54, T & P RR
County: LOVING, STATE: TEXAS
EL:
GL: KB: 10.2'

SPUD DATE:10/22/59 COMPLETION: 11/9/59
Drilling comments:

Completion Comments:

Well Type WIW
No other information available in public records



RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

Form W-2

Rev. 4/1/83

483-046

Type or print only

15(a) Exception Dated

Surface Casing

ft.

3-14-94

API No. 42-301-00394

7. RRC District No.

08

8. RRC Lease No.

21246

Oil Well Potential Test, Completion or Recompletion Report, and Log

1. FIELD NAME (as per RRC Records or Wildcat)

El Mar (Delaware)

2. LEASE NAME

El Mar/Delaware/Unit

9. Well No.

1212W

3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report)

Union Royalty, Inc.

RRC Operator No.

876825

10. County of well site

Loving

4. ADDRESS

500 W. Texas, Suite 1460, Midland, TX 79701

11. Purpose of filing

Initial Potential ☐Retest ☐Reclass ☒Well record only ☒

(explain in Remarks)

5. If Operator has changed within last 60 days, name former operator

6a. Location (Section, Block, and Survey)

Sec. 3, Blk. 54, T&P RR

6b. Distance and direction to nearest town in this county.

20 Miles North of Mentone

12. If workover or reclass, give former field (with reservoir) & gas ID or oil lease no.
FIELD & RESERVOIR

El Mar (Delaware) Sand

GAS ID or
OIL LEASE #OIL - O
Gas - G

WELL NO.

13. Type of electric or other log run

14. Completion or recompletion date

2/7/94

SECTION I: POTENTIAL TEST DATA IMPORTANT: Test should be for 24 hours unless otherwise specified in field rules.

15. Date of test	16. No. of hours tested	17. Production method (Flowing, Gas Lift, Jetting, Pumping— Size & Type of pump)			18. Choke size
19. Production during Test Period	Oil - BBLs	Gas - MCF	Water - BBLs	Gas - Oil Ratio	Flowing Tubing Pressure PSI
20. Calculated 24- Hour Rate	Oil - BBLs	Gas - MCF	Water - BBLs	Oil Gravity—API—60°	Casing Pressure PSI
21. Was swab used during this test? Yes <input type="checkbox"/> No <input type="checkbox"/>		22. Oil produced prior to test (New & Reworked wells)		23. Injection Gas—Oil Ratio	

REMARKS:

Reclass from 14 (b)(2) to active injector

INSTRUCTIONS: File an original and one copy of the completed Form W-2 in the appropriate RRC District Office within 30 days after completing a well and within 10 days after a potential test. If an operator does not properly report the results of a potential test within the 10-day period, the effective date of the allowable assigned to the well will not extend back more than 10 days before the W-2 was received in the District Office. (Statewide Rules 16 and 51) To report a completion or recompletion, fill in both sides of this form. To report a retest, fill in only the front side.

WELL TESTER'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.

Signature: Well Tester

Name of Company

RRC Representative

OPERATOR'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

T. N. McKnight, Jr.

President

Typed or printed name of operator's representative

Title of Person

(914) 686-1991

03 / 04 / 94

Telephone: Area Code

Number

Date:

mo.

day

year

Signature

SECTION II

DATA ON WELL COMPLETION AND LOG (Not Required on Retest)

24. Type of Completion:

New Well ☐Deepening ☐Plug Back ☐Other ☐

26. Notice of Intention to Drill this well was filed in Name of

27. Number of producing wells on this lease in this field (reservoir) including this well

28. Total number of acres in this lease

29. Date Plug Back, Deepening, WorkOver or Drilling Operations:

Commenced

Completed

30. Distance to nearest well. Same Lease & Reservoir

31. Location of well, relative to nearest lease boundaries of lease on which this well is located

Feet From

Line and

Feet from

Line of the

Lease

32. Elevation (DF, RKB, RT, GR, ETC.)

33. Was directional survey made other than Inclination (Form W-12)? ☐ Yes ☐ No

34. Top of Pay

35. Total Depth

4665

36. P. B. Depth

37. Surface Casing Determined by:

Field Rules ☐Recommendation of T.D.W.R. Railroad Commission (Special) ☐

Dt. of Letter

Dt. of Letter

38. Is well multiple completion?

39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No.

FIELD & RESERVOIR

GAS ID or OIL LEASE #

Oil—O Gas—G

WELL #

40. Intervals Drilled by:

Rotary Tools

Cable Tools

41. Name of Drilling Contractor

42. Is Cementing Affidavit Attached? ☐ Yes ☐ No

43. CASING RECORD (Report All Strings Set in Well)

CASING SIZE	WT #/FT.	DEPTH SET	MULTISTAGE TOOL DEPTH	TYPE & AMOUNT CEMENT (sacks)	HOLE SIZE	TOP OF CEMENT	SLURRY VOL. cu. ft.
8 5/8	24#	528		Unknown 250	12 1/4	Surf.	Unknown
4 1/2	9.5#	4664		Unknown 130	6 3/4	3810	Unknown

44. LINER RECORD

Size	TOP	Bottom	Sacks Cement	Screen

45. TUBING RECORD

Size	Depth Set	Packer Set	From	To
2 3/8	4437	4440	4500	4650
			From	To
			From	To
			From	To

46. Producing Interval (this completion) Indicate depth of perforation or open hole

47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

Depth Interval	Amount and Kind of Material Used

48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)

Formations	Depth	Formations	Depth

REMARKS

BURLINGTON RESOURCES

EL MAR/DELAWARE/UNIT #1213

FORMERLY: MERIDIAN OIL INC.

(NMOCD # _____, API# 42-301-80188)

664' FNL & 1980' FEL

Section 3, BLK. 54, T & P RR

County: LOVING, STATE: TEXAS

EL:

GL: KB:

SPUD DATE: 8/31/59 COMPLETION: 9/11/59

Drilling comments:

Completion Comments:

Well Type POW

No other information available in public records

HOLE: 12 1/4"

8 5/8" 24# casing @ 530'
cemented w/ 250
Circ SURF

TOC @ 3720'

PACKER @ 4453'

CIBP @ 4489'

2 3/8" tubing @ 4574'
Delaware Perfs
@ 4549' - 4634'

PBD @ 4650'

HOLE: 7 7/8"

TD ' @ 4689'

4 1/2 " 9.5# @ 4689'
w/ 130 sx cement

EL MAR

Type or print only

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Form W-2

Rev. 4/1/83
483-046

API No. 42-301-80188

7. RRC District No.
08

Oil Well Potential Test, Completion or Recompletion Report, and Log

8. RRC Lease No.
21246

1. FIELD NAME (as per RRC Records or Wildcat)

El Mar (Delaware)

2. LEASE NAME

El Mar/Delaware/Unit

9. Well No.
1213

3. OPERATOR'S NAME (Exactly as shown on P-5, Organization Report)

Burlington Resources Oil & Gas Company

RRC Operator No.

109338

10. County of well site
Loving

4. ADDRESS

P.O. Box 51810, Midland, TX 79710-1810

11. Purpose of filing

Initial Potential ☒Retest ☒Reclass ☐Well record only ☒
(explain in Remarks)

5. If Operator has changed within the last 60 days, name the former operator

Meridian Oil Inc. (561132)

6a. Location (Section, Block, and Survey)

3 54 T & P RR

6b. Distance and direction to nearest town in this county.

18 miles northwest of Mentone

12. If workover or reclass, give former field (with reservoir) & gas ID or oil lease no.
FIELD & RESERVOIRGAS ID or
OIL LEASE #Oil - O
Gas - G

WELL NO.

13. Type of electric or other log run

14. Completion or recompletion date
7/10/96

SECTION I: POTENTIAL TEST DATA

IMPORTANT: Test should be for 24 hours unless otherwise specified in field rules.

15. Date of test 8/26/96	16. No. of hours tested 24	17. Production method (Flowing, Gas Lift, Jetting, Pumping - Size & Type of pump) pmp 2"x1.5"x24'			18. Choke size
19. Production during Test Period	Oil - BBLS 1	Gas - MCF 0	Water - BBLS 250	Gas - Oil Ratio N/A	Flowing Tubing Pressure 100 PSI
20. Calculated 24- Hour Rate	Oil - BBLS	Gas - MCF	Water - BBLS	Oil Gravity - API - 60°	Casing Pressure 70 PSI
21. Was swab used during this test? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		22. Oil produced prior to test (New & Reworked wells) None			23. Injection Gas-Oil Ratio

REMARKS:

Cleaned out wellbore and returned to production.

INSTRUCTIONS: File an original and one copy of the completed Form W-2 in the appropriate RRC District Office within 30 days after completing a well and within 10 days after a potential test. If an operator does not properly report the results of a potential test within the 10-day period, the effective date of the allowable assigned to the well will not extend back more than 10 days before the W-2 was received in the District Office. (Statewide Rules 16 and 51) To report a completion or recompletion, fill in both sides of this form. To report a retest, fill in only the front side.

WELL TESTER'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.

Signature: Well Tester

Name of Company

RRC Representative

OPERATOR'S CERTIFICATION

I declare under the penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

Donna Williams

Typed or printed name of operator's representative

915-688-6943

Telephone: Area Code Number

Date: 08 / 30 / 96

mo. day year

Regulatory Compliance

Title of Person

Signature

SECTION II										DATA ON WELL COMPLETION AND LOG (Not Required on Reset)									
24. Type of Completion New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input checked="" type="checkbox"/>										25. Permit to Drill, Plug Back or, Deepen DATE _____ PERMIT NO. _____									
26. Notice of Intention to Drill this well was filed in Name of _____										Rule 37 Exception _____ CASE NO. _____ Water Injection Permit _____ PERMIT NO. _____ Salt Water Disposal Permit _____ PERMIT NO. _____ Other _____ PERMIT NO. _____									
27. Number of producing wells on this lease in this field (reservoir) including this well					28. Total number of acres in this lease <div style="text-align: center; font-size: 1.2em;">9,440</div>					29. Date Plug Back, Deepening, Workover or Drilling Operations: Commenced <div style="text-align: center;">6/29/96</div> Completed <div style="text-align: center;">7/10/96</div>					30. Distance to nearest well. Same Lease & Reservoir				
31. Location of well, relative to nearest lease boundaries of lease on which this well is located										664' Feet from North Line and 1980' Feet from East Line of the El Mar/Delaware/Unit Lease									
32. Elevation (DF, RKB, RT, GR, ETC.)										33. Was directional survey made other than inclination (W-12)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
34. Top of Pay 4549'		35. Total Depth 4689'		36. P. B. Depth 4650'		37. Surface Casing Determined by: Field Rules <input type="checkbox"/>		Recommendation of T.D.W.R. Railroad Commission (Special) <input type="checkbox"/>		Dt. of Letter _____		Dt. of Letter _____							
38. Is well multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No. <div style="text-align: center;">FIELD & RESERVOIR</div>										40. Intervals Drilled by:		Rotary Tools		Cable Tools			
41. Name of Drilling Contractor Pride										42. Is Cementing Affidavit Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
43. CASING RECORD (Report All Strings Set in Well)																			
CASING SIZE		WT #/FT.		DEPTH SET		MULTISTAGE TOOL DEPTH		TYPE & AMOUNT CEMENT (sacks)		HOLE SIZE		TOP OF CEMENT		SLURRY VOL. cu. ft.					
8 5/8"		24#		530'				Unk sxs		12 1/4"		Surf.		Unk.					
4 1/2"		9.5#		4689'				Unk sxs		7 7/8"		TOC@3720'		Unk.					
44. LINER RECORD																			
Size		TOP				Bottom				Sacks Cement				Screen					
45. TUBING RECORD																			
Size		Depth Set				Packer Set				46. Producing Interval (this completion) Indicate depth of perforation or open hole									
										From 4549' To 4634'									
2 3/8"		4574'				4453'				From To									
										From To									
										From To									
47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																			
Depth Interval										Amount and Kind of Material Used									
CIBP@ 4489 w/20' cmt										Drld out to 4650' (PBDT)									
4549'-4634'										A w/3000 gls 15% HV-60 acid + 1000 gls gel									
brine																			
48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)																			
Formations					Depth					Formations					Depth				

REMARKS

Cleaned out wellbore and returned to production.

BURLINGTON RESOURCES

EL MAR/DELAWARE/UNIT # 1214W

FORMERLY UNION ROYALTY, INC

(NMOCD # _____, API# 42-310-00388)

664' FNL & 660' FEL

Section 3, BLK. 54, T & P RR

County: LOVING, STATE: TEXAS

EL:

GL: KB:

SPUD DATE: 8/17/59 COMPLETION: 9/3/59

Drilling comments:

Completion Comments:

Well Type TA (INJ)

No other information available in public records

HOLE: 12 1/4"

8 5/8" 24# casing @ 524'
cemented w/ 275
Circ/ SURF.

TOC @ 3940''

2 3/8" tubing @ 4495'

PACKER @ 4498'

Delaware Perfs @ 4528' - 4678'

HOLE: 6 3/4"

TD 4705'

4 1/2" 9.5# @ 4705'
w/ 130 sx cement

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

Form W-2

Rev. 4/1/83

483-046

Type or print only

13(A) Exception Date: _____

Surface Gas: _____

ft. _____

3.14 - 2V

API No. 42-310-00388

7. RRC District No.

08

8. RRC Lease No.

21246

9. Well No.

1214W

10. County of well site

Loving

11. Purpose of filing

Initial Potential ☐Retest ☐Reclass ☒Well record only ☒
(explain in Remarks)

Oil Well Potential Test, Completion or Recompletion Report, and Log

1. FIELD NAME (as per RRC Records or Wildcat)

El Mar (Delaware)

2. LEASE NAME

El Mar/Delaware/Unit

3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report)

Union Royalty, Inc.

RRC Operator No.

876825

4. ADDRESS

500 W. Texas, Suite 1460, Midland, TX 79701

5. If Operator has changed within last 60 days, name former operator

6a. Location (Section, Block, and Survey)

Sec. 3, Blk. 54, T&P RR

6b. Distance and direction to nearest town in this county.

20 Miles North of Mentone

12. If workover or reclass, give former field (with reservoir) & gas ID or oil lease no.
FIELD & RESERVOIR~~El Mar (Delaware) Sand~~GAS ID or
OIL LEASE #OIL - O
Gas - G

WELL NO

13. Type of electric or other log run

14. Completion or recompletion date

2/7/94

SECTION I: POTENTIAL TEST DATA IMPORTANT: Test should be for 24 hours unless otherwise specified in field rules.

15. Date of test	16. No. of hours tested	17. Production method (Flowing, Gas Lift, Jetting, Pumping— Size & Type of pump)			18. Choke size
19. Production during Test Period	Oil - BBLS	Gas - MCF	Water - BBLS	Gas - Oil Ratio	Flowing Tubing Pressure PSI
20. Calculated 24- Hour Rate	Oil - BBLS	Gas - MCF	Water - BBLS	Oil Gravity—API—60°	Casing Pressure PSI
21. Was swab used during this test? Yes <input type="checkbox"/> No <input type="checkbox"/>		22. Oil produced prior to test (New & Reworked wells)			23. Injection Gas—Oil Ratio

REMARKS:

Reclass from 14 (b)(2) to active injector

INSTRUCTIONS: File an original and one copy of the completed Form W-2 in the appropriate RRC District Office within 30 days after completing a well and within 10 days after a potential test. If an operator does not properly report the results of a potential test within the 10-day period, the effective date of the allowable assigned to the well will not extend back more than 10 days before the W-2 was received in the District Office. (Statewide Rules 16 and 51) To report a completion or recompletion, fill in both sides of this form. To report a retest, fill in only the front side.

WELL TESTER'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.

Signature: Well Tester

Name of Company

RRC Representative

OPERATOR'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

T. N. McKnight, Jr.

Typed or printed name of operator's representative

President

Title of Person

(915) 686-1991

03/04/94

Telephone: Area Code

Number

Date:

mo.

day

year

Signature

SECTION II

DATA ON WELL COMPLETION AND LOG (Not Required on Retest)

24. Type of Completion:

New Well ☐Deepening ☐Plug Back ☐Other ☐25. Permit to Drill,
Plug Back or
Deepen

DATE

PERMIT NO

Rule 37

CASE NO

Exception

Water Injection

PERMIT NO

Permit

F 1182

26. Notice of Intention to Drill this well was filed in Name of

27. Number of producing wells on this lease in
this field (reservoir) including this well28. Total number of acres
in this lease

Salt Water Disposal

PERMIT NO

Permit

Other

PERMIT NO

29. Date Plug Back, Deepening,
WorkOver or Drilling
Operations:

Commenced

Completed

30. Distance to nearest well,
Same Lease & Reservoir31. Location of well, relative to nearest lease boundaries
of lease on which this well is located

Feet From

Line and

Feet from

Line of the

Lease

32. Elevation (IDF, RKB, RT, GR, ETC.)

33. Was directional survey made other
than Inclination (Form W-12)?☐ Yes☐ No

34. Top of Pay

35. Total Depth

4705

36. P. B. Depth

37. Surface Casing
Determined by Field☐Recommendation of T.D.W.R.
Railroad Commission (Special)☐

Dt. of Letter

Dt. of Letter

38. Is well multiple completion?

39. If multiple completion, list all reservoir names & completions in this well and Oil Lease
or Gas ID No.

FIELD & RESERVOIR

GAS ID or
OIL LEASE #OIL-O
Gas-GWELL
#40. Intervals
Drilled
by:Rotary
ToolsCable
Tools

41. Name of Drilling Contractor

42. Is Cementing Affidavit
Attached?☐ Yes☐ No

43. CASING RECORD (Report All Strings Set in Well)

CASING SIZE	WT #/FT.	DEPTH SET	MULTISTAGE TOOL DEPTH	TYPE & AMOUNT CEMENT (sacks)	HOLE SIZE	TOP OF CEMENT	SLURRY VOL. cu. ft.
8 5/8	24#	524		Unknown 275	12 1/4	Surf.	Unknown
4 1/2	9.5#	4705		Unknown 130	6 3/4	3940	Unknown

44. LINER RECORD

Size	TOP	Bottom	Sacks Cement	Screen

45. TUBING RECORD

Size	Depth Set	Packer Set	From	To
2 3/8	4495	4498	4528	4678
			From	To
			From	To
			From	To

46. Producing Interval (this completion) Indicate depth of perforation or open hole

47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

Depth Interval	Amount and Kind of Material Used

48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)

Formations	Depth	Formations	Depth

REMARKS

BURLINGTON RESOURCES

EL MAR DELAWARE UNIT # 1221W

FORMERLY UNION ROYALTY

(NMOCD # _____, API# 42-301-80190)

1992' FNL & 660' FWL

Section 3, BLK. 54, T & P RR

County: LOVING , STATE: TEXAS

EL:

GL: KB:

SPUD DATE: 9/1/59 COMPLETION: 9/12/59

Drilling comments:

Completion Comments:

Well Type CIW

No other information available in public records

HOLE: 12 1/4"

8 5/8" 24# casing @521'
cemented w/ 250

TOC @ 4010' (CAL)

PACKER @ 4410'

2 3/8" tubing @ 4410'

Delaware Perfs 4512' - 4550'

CIBP @ 4575' W/10' CMT ON TOP

PBD @ 4610'

4 1/2" 9.5 # @ 4644'
w/ 130 sx cement

HOLE: 6 3/4"

TD 4644'

EL MAR

Type or print only

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Form W-2

Rev. 4/1/83
483-045

API No. 42-301-8090

7. RRC District No.
08

Oil Well Potential Test, Completion or Recompletion Report, and Log

8. RRC Lease No.
21246

1. FIELD NAME (as per RRC Records or Wildcat)

EL MAR (DELAWARE)

2. LEASE NAME

EL MAR/DELAWARE/UNIT

9. Well No.

1221W

3. OPERATOR'S NAME (Exactly as shown on P-5, Organization Report)

MERIDIAN OIL INC.

RRC Operator No.

561132

10. County of well site

LOVING

4. ADDRESS

P.O. Box 51810, Midland, TX 79710-1810

11. Purpose of filing

Initial Potential ☐Retest ☐Reclass ☐Well record only ☒
(explain in Remarks)

5. If Operator has changed within the last 60 days, name the former operator

UNION ROYALTY

6a. Location (Section, Block, and Survey)

3 54 T & P RR

6b. Distance and direction to nearest town in this county

18 MILES NORTH OF MENTONE

12. If workover or reclass, give former field (with reservoir) & gas ID or oil lease no.
FIELD & RESERVOIRGAS ID or
OIL LEASE #Oil - O
Gas - G

WELL NO.

13. Type of electric or other log run

14. Completion or recompletion date

7/28/95

SECTION I: POTENTIAL TEST DATA

IMPORTANT: Test should be for 24 hours unless otherwise specified in field rules.

15. Date of test	16. No. of hours tested	17. Production method (Flowing, Gas Lift, Jetting, Pumping - Size & Type of pump)		18. Choke size	
19. Production during Test Period	Oil - BBLS	Gas - MCF	Water - BBLS	Gas - Oil Ratio	Flowing Tubing Pressure PSI
20. Calculated 24-Hour Rate	Oil - BBLS	Gas - MCF	Water - BBLS	Oil Gravity - API - 60°	Casing Pressure PSI
21. Was swab used during this test? Yes <input type="checkbox"/> No <input type="checkbox"/>		22. Oil produced prior to test (New & Reworked wells)		23. Injection Gas-Oil Ratio	

REMARKS

Injection well. Set CIBP above lower perfs

INSTRUCTIONS: File an original and one copy of the completed Form W-2 in the appropriate RRC District Office within 30 days after completing a well and within 10 days after a potential test. If an operator does not properly report the results of a potential test within the 10-day period, the effective date of the allowable assigned to the well will not extend back more than 10 days before the W-2 was received in the District Office. (Statewide Rules 16 and 51) To report a completion or recompletion, fill in both sides of this form. To report a retest, fill in only the front side.

WELL TESTER'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.

Signature: Well Tester

Name of Company

RRC Representative

OPERATOR'S CERTIFICATION

I declare under the penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

DONNA WILLIAMS

Typed or printed name of operator's representative

REGULATORY COMPLIANCE

Title of Person

915-688-6943

Telephone: Area Code Number

Date: 08 / 25 / 95

mo. day year

Signature

SECTION II DATA ON WELL COMPLETION AND LOG (Not Required on Reset)

24. Type of Completion
 New Well ☐ Deepening ☐ Plug Back ☐ Other ☒

25. Permit to Drill, Plug Back or, Deepen
 DATE PERMIT NO.
 Rule 37 CASE NO.
 Exception
 Water Injection PERMIT NO.
 Permit F-1182
 Salt Water Disposal PERMIT NO.
 Permit
 Other PERMIT NO.

26. Notice of Intention to Drill this well was filed in Name of
 TXL Corporation

27. Number of producing wells on this lease in this field (includes including this well)
 28. Total number of acres in this lease
 9.440

29. Date Plug Back, Deepening, Workover or Drilling Operations
 Commenced 7/26/95 Completed 7/28/95
 30. Distance to nearest well, Same Lease & Reservoir

31. Location of well relative to nearest lease boundaries of lease on which this well is located
 1992' Feet from North Line and 660' Feet from West Line of the El Mar/Delaware/Unit Lease

32. Elevation (OD, RKB, RT, OR, ETC.)
 33. Was directional survey made other than inclination (W-12)? ☐ Yes ☒ No

34. Top of Pack 4512' 35. Total Depth 4644' 36. P. B. Depth 4610' 37. Surface Casing Determined by: Field Rules ☐ Recommendation of T. D. W. R. Railroad Commission (Special) ☐
 38. Is well multiple completion? ☐ Yes ☒ No
 39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No.
 FIELD & RESERVOIR
 GAS ID or OIL LEASE #
 Oil-O Gas-G
 WELL #
 40. Intervals Drilled by: Rotary Tools Cable Tools
 41. Name of Drilling Contractor
 PRIDE
 42. Is Cementing Affidavit Attached? ☐ Yes ☒ No

43. CASING RECORD (Report All Strings Set in Well)

CASING SIZE	WT #/FT	DEPTH SET	MULTISTAGE TOOL DEPTH	TYPE & AMOUNT CEMENT (sacks)	HOLE SIZE	TOP OF CEMENT	SLURRY VOL cu. ft.
8 5/8"	24#	521'		250 SXS	12 1/4"	Unk.	Unk.
4 1/2"	9.5#	4644'		130 SXS	6 3/4"	4010' (Cal)	Unk.

44. LINER RECORD

Size	TOP	Bottom	Sacks Cement	Screen

45. TUBING RECORD

Size	Depth Set	Packer Set	From	To
2 3/8"	4410'	4410'	4512'	4550' (Injection)
			From	To
			From	To
			From	To

46. Producing Interval (this completion) Indicate depth of perforation or open hole

47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

Depth Interval	Amount and Kind of Material Used
4575'	Set CIBP w/10' cmt on top.

48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)

Formations	Depth	Formations	Depth

REMARKS Injection well.

BURLINGTON RESOURCES

EL MAR/DELAWARE/UNIT #1222

FORMERLY MERIDIAN OIL, INC.

(NMOCD # _____, API# 42-301-00391)

1992' FNL & 1980' FWL

Section 3, BLK. 54, T&P RR

County: LOVING, STATE: TEXAS

EL: 3073'

GL: KB:

SPUD DATE: 9/13/59

COMPLETION: 9/29/59

Drilling comments:

Completion Comments:

RE- ENTERED PLUGGED WELL 7/23/96

returned to production.

Placed csg. Patch 4.5 K-55 11.6# (1 jt) at csg
stub depth of 3515', and 85 jts of 4.5 K-55

LTC 11.6# csg. Tie back on to csg.

Well Type POW

No other information available in public records

HOLE: 12 1/4"

8 5/8" 24# casing @ 540'
cemented w/ 200
SURF.

TOC @ 3860'

CIBP@ 4471' W/20' CMT

2 3/8" tubing @ 4588'

Delaware Perfs @ 4521' - 4604'

PBD 4609'

4 1/2" 9.5 # @ 3515' - 4545'7'
w/ 100 sx cement

HOLE: 7 7/8"

TD 4645'

DRLD OUT TO 4609' (PBD)

A W/3000 GLS 15% hv-60 ACID

Type or print only

Oil and Gas Division

Form W-2

Rev. 4/1/83

483-046

API No. 42- 301-00391

7. RRC District No.
08

Oil Well Potential Test, Completion or Recompletion Report, and Log

8. RRC Lease No.
21246

1. FIELD NAME (as per RRC Records or Wildcat)

2. LEASE NAME

El Mar (Delaware)

El Mar/Delaware/Unit

9. Well No.
1222

3. OPERATOR'S NAME (Exactly as shown on P-5, Organization Report)

RRC Operator No.

Burlington Resources Oil & Gas Company

109338

10. County of well site
Loving

4. ADDRESS

P.O. Box 51810, Midland, TX 79710-1810

5. If Operator has changed within the last 60 days, name the former operator

Meridian Oil Inc. (561132)

11. Purpose of filing

Initial Potential ☒Retest ☐Reclass ☐Well record only ☒
(explain in Remarks)

6a. Location (Section, Block, and Survey)

3 54 T & P RR

6b. Distance and direction to nearest town in this county.

18 miles northwest of Mentone

12. If workover or reclass, give former field (with reservoir) & gas ID or oil lease no.
FIELD & RESERVOIRGAS ID or
OIL LEASE #Oil - O
Gas - G

WELL NO.

13. Type of electric or other log run

14. Completion or recompletion date
7/23/96

SECTION I: POTENTIAL TEST DATA

IMPORTANT: Test should be for 24 hours unless otherwise specified in field rules.

15. Date of test 8/26/96	16. No. of hours tested 24	17. Production method (Flowing, Gas Lift, Jetting, Pumping - Size & Type of pump) 1 1/2" x 24"		18. Choke size
19. Production during Test Period Oil - BBLS 1	Gas - MCF 0	Water - BBLS 125	Gas - Oil Ratio N/A	Flowing Tubing Pressure 100 PSI
20. Calculated 24- Hour Rate Oil - BBLS 1	Gas - MCF 0	Water - BBLS 125	Oil Gravity - API - 60° 40.1	Casing Pressure 70-50 PSI
21. Was swab used during this test? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		22. Oil produced prior to test (New & Reworked wells) None		23. Injection Gas-Oil Ratio

REMARKS:

Re-entered plugged well. Returned to production.

R.R.C. OF TEXAS

OCT 25 1996

INSTRUCTIONS: File an original and one copy of the completed Form W-2 in the appropriate RRC District Office within 30 days after completing a well and within 10 days after a potential test. If an operator does not properly report the results of a potential test within the 10-day period, the effective date of the allowable assigned to the well will not extend back more than 10 days before the W-2 was received in the District Office. (Statewide Rules 16 and 51) To report a completion or recompletion, fill in both sides of this form. To report a retest, fill in only the front side.

WELL TESTER'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.

Signature: Well Tester

Name of Company

RRC Representative

OPERATOR'S CERTIFICATION

I declare under the penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

Donna Williams

Typed or printed name of operator's representative

915-688-6943

Telephone: Area Code Number

Date: 08 / 30 / 96
mo. day year

Regulatory Compliance

Title of Person

Signature

SECTION II		DATA ON WELL COMPLETION AND LOG (Not Required on Reset)					
24. Type of Completion New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/>				25. Permit to Drill, Plug Back or, Deepen DATE 6/27/96 PERMIT NO. 449434		DATE 6/27/96 PERMIT NO. 449434	
26. Notice of Intention to Drill this well was filed in Name of Meridian Oil Inc.				Rule 37 Exception Water Injection Permit		CASE NO. PERMIT NO. PERMIT NO.	
27. Number of producing wells on this lease in this field (reservoir) including this well 95		28. Total number of acres in this lease 9,440		Salt Water Disposal Permit Other		PERMIT NO. PERMIT NO.	
29. Date Plug Back, Deepening, Workover or Drilling Operations: Commenced 7/9/96 Completed 7/23/96		30. Distance to nearest well. Same Lease & Reservoir 1249					
31. Location of well, relative to nearest lease boundaries of lease on which this well is located 1992' Feet from North West Line of the El Mar/Delaware/Unit				32. Elevation (DF, RKB, RT, GR, ETC.) 3073'			
33. Was directional survey made other than inclination (W-12)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				34. Top of Pay 4521'			
35. Total Depth 4645'		36. P. B. Depth 4609'		37. Surface Casing Determined by: Field Rules <input type="checkbox"/> Recommendation of T.D.W.R. Railroad Commission (Special) <input checked="" type="checkbox"/>		Dt. of Letter 5-11-95	
38. Is well multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No. FIELD & RESERVOIR		40. Intervals Drilled by: Rotary Tools Cable Tools		41. Name of Drilling Contractor Pride	
						42. Is Cementing Affidavit Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
43. CASING RECORD (Report All Strings Set in Well)							
CASING SIZE	WT #/FT.	DEPTH SET	MULTISTAGE TOOL DEPTH	TYPE & AMOUNT CEMENT (sacks)	HOLE SIZE	TOP OF CEMENT	SLURRY VOL. cu. ft.
8 5/8"	24#	540'		Unk sxs	12 1/4"	Surf.	Unk.
4 1/2"	9.5#	3515'-4545		Unk sxs	7 7/8"	TOC@3860'	Unk.
Placed csg. patch 4.5 K-55 11.6# (1jt) at csg stub depth of 3515', and 84 jts of 4.5 K-55 LTC 11.6# csg tie back on to csg.							
44. LINER RECORD							
Size	TOP		Bottom		Sacks Cement	Screen	
45. TUBING RECORD							
Size	Depth Set	Packer Set	46. Producing Interval (this completion) Indicate depth of perforation or open hole				
2 3/8"	4588'		From 4521' To 4604'				
			From To				
			From To				
47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
Depth Interval				Amount and Kind of Material Used			
CIBP@ 4471 w/20' cmt				Drld out to 4609' (PBTD)			
4521'-4604'				A w/3000 gls 15% HV-60 acid			
48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)							
Formations		Depth		Formations		Depth	

entry of plugged well and returned to production.

4 1/2" csg - did not use. (see p. 7)

Instruction

177

with Form W-2
 and Geothermal wells
 with Form W-2

BURLINGTON RESOURCES

EL MAR/DELAWARE/UNIT # 1223W

FORMERLY UNION ROYALTY, INC.

(NMOCD # _____, API# 42-301-00392)

1992' FNL & 1980' FEL

Section 3, BLK. 54, T&P RR

County: LOVING, STATE: TEXAS

EL:

GL: KB:

SPUD DATE: 9/27/59

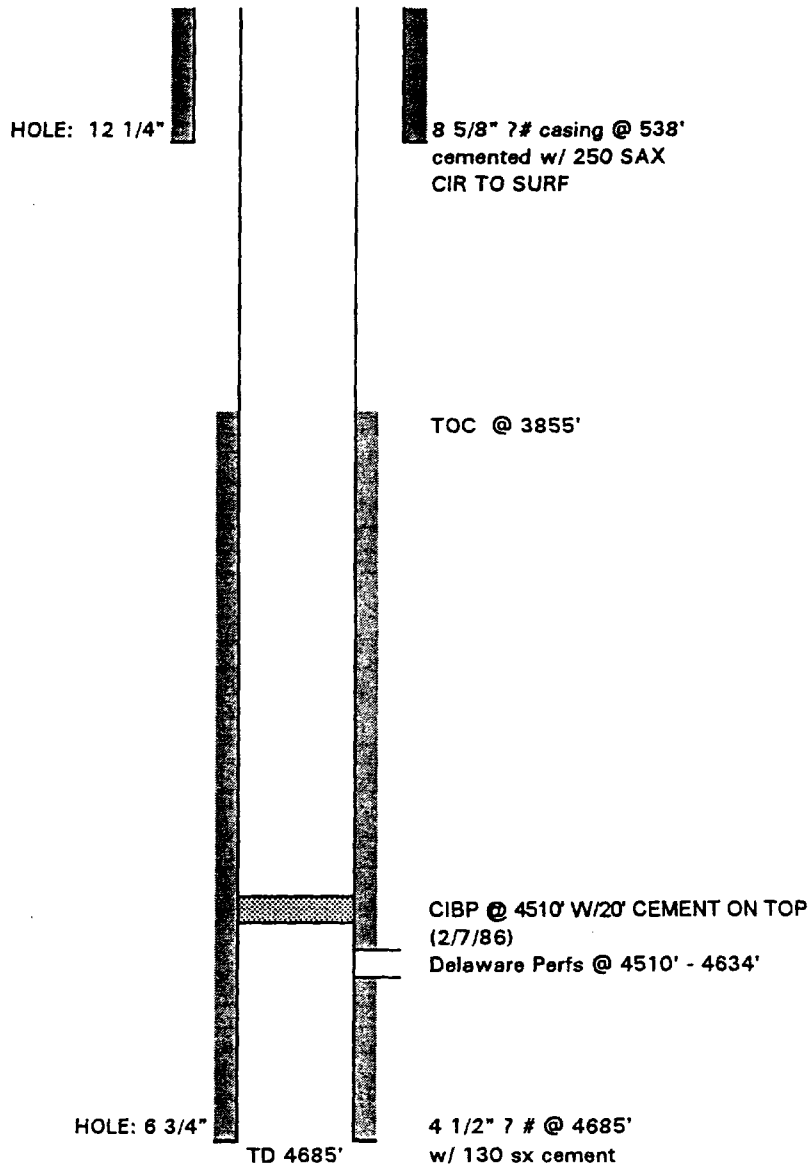
COMPLETION: 10/7/59

Drilling comments:

Completion Comments:

Well Type CIW

No other information available in public records



06/03/85

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

Disposal/Injection Well
Pressure Test Report

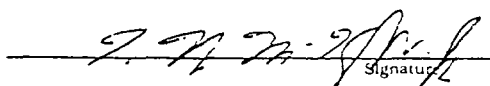
UIC CONTROL NO.

Type

FOR RRC USE ONLY

7-24-90
READ INSTRUCTIONS ON BACK

PLEASE TYPE OR PRINT

1. OPERATOR'S NAME UNION ROYALTY, INC.				2. RRC OPERATOR NO. 876825			
3. ADDRESS 500 W. TEXAS SUITE 1460 MIDLAND, TEXAS 79701				4. RRC DISTRICT NO. 8			
6. FIELD NAME (Exactly as shown on proration schedule) EL MAR (DELAWARE)				7. FIELD NO. MIDLAND, TEXAS 28019500		5. COUNTY LOVING	
9. LEASE NAME EL MAR/DELAWARE/UNIT				10a. OIL LEASE NO. 21246		10b. GAS ID NO.	
						11. WELL NO. 1223W	
12. REASON FOR TEST <input type="checkbox"/> Initial Test Prior to Injection <input type="checkbox"/> After Workover <input type="checkbox"/> Annual Test Required By Permit <input type="checkbox"/> Five-Year Test Required By Rule <input checked="" type="checkbox"/> Other (Specify) WELL IS T/A WITH CIBP ABOVE INJECTION INTERVAL @ 4510 W/20' CEMENT ON TOP.				13. DATE OF TEST NONE		14. RETEST? <input type="checkbox"/> YES <input type="checkbox"/> NO If YES, see Instruction No. 5	
				15. WELL COMPLETION			
				size depth set			
				Surface Casing 8 5/8 538			
				Long String Casing 4 1/2 4685			
				Tubing NONE			
				16a. PACKER MAKE AND MODEL NONE		16b. DEPTH SET N/A	
				17. AUTHORIZED INJECTION PRESSURE (PSIG): N/A			
18a. PERMITTED INJECTION INTERVAL Top 4453 Bottom 4588				18b. COMPLETED INJECTION INTERVAL Top 4553 Bottom 4634			
19. TEST PRESSURE (PSIG) [see Instructions 4(c) and 4(d)]							
TIME	TUBING	CASING	SURFACE CSG.	TIME	TUBING	CASING	SURFACE CSG.
Initial	N/A						
15 min.							
30 min.							
20. CHARACTERISTICS OF INJECTION FLUID [see Instruction 4(e)] N/A				21. CHARACTERISTICS OF ANNULUS FLUID [see Instructions 4 (e) and 4(f)] N/A			
22. TEST WITNESSED BY RRC? <input type="checkbox"/> YES <input type="checkbox"/> NO If NO, see Instruction 4(a) If YES, Name of RRC Representative N/A				23. WERE OTHER TESTS/SURVEYS PERFORMED AT THIS TIME? <input type="checkbox"/> YES <input type="checkbox"/> NO. If YES, List: N/A			
24. OPERATOR COMMENTS ON TEST (attach separate sheet if necessary) <u>THIS WELL WAS T/A BY TEXACO INC. ON FEBRUARY 7, 1986. SEE ATTACHED W-15</u>							
25. WELL STATUS: <input type="checkbox"/> Active <input checked="" type="checkbox"/> Temporarily Abandoned <input type="checkbox"/> Other (Specify)							
<p>CERTIFICATE:</p> <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated herein are true, correct, and complete, to the best of my knowledge.</p> <p style="text-align: right;">  T. N. MCKNIGHT, JR. PRESIDENT Name of Person (type or print) Title Telephone No. (915) 686-1991 Date 6-29-90 </p>							

Cementor: Fill in shaded areas.
Operator: Fill in other items.

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

1. Operator's Name (As shown on Form P-5, Organization Report) TEXACO, INCORPORATED	2. RRC Operator No.	3. RRC District No. 8	4. County of Well Site LOVING
5. Field Name (Wildcat or exactly as shown on RRC records) EL MAR (DELAWARE)		6. API No. 42-	7. Drilling Permit No.
8. Lease Name EL MAR (DELAWARE) Unit	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. RECEIVED R.R.C. OF TEXAS	11. Well No. 1223

CASING CEMENTING DATA:		SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING	MULTI-STAGE CEMENTING PROCESS		
				Single String	Multiple Strings	Tool	Shoe
12. Cementing Date		9/28/59		10/9/59			
13. •Drilled hole size		12 1/4"		6 3/4"			
•Est. % wash or hole enlargement							
14. Size of casing (In. O.D.)		8 5/8"		4 1/2"			
15. Top of liner (ft.)		0'		0'			
16. Setting depth (ft.)		538'		4685'			
17. Number of centralizers used		2		4			
18. Hrs. waiting on cement before drill-out							
1st Slurry	19. API cement used: No. of sacks ▶	200		100			
	Class ▶	A		A			
	Additives ▶	6% Gel		4% Gel			
2nd Slurry	No. of sacks ▶	50		30			
	Class ▶	A		A			
	Additives ▶	HAS		LATex			
3rd Slurry	No. of sacks ▶						
	Class ▶						
	Additives ▶						
1st	20. Slurry pumped: Volume (cu. ft.) ▶						
	Height (ft.) ▶			3155'			
2nd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
3rd	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
Total	Volume (cu. ft.) ▶						
	Height (ft.) ▶						
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?		Yes					
22. Remarks							

OVER

CEMENTING TO PLUG AND ABANDON	PLUG # 1	PLUG # 2	PLUG # 3	PLUG # 4	PLUG # 5	PLUG # 6	PLUG # 7	PLUG # 8
23. Cementing date	2-7-86							
24. Size of hole or pipe plugged (in.)	4 1/2"							
25. Depth to bottom of tubing or drill pipe (ft.)	4510'							
26. Sacks of cement used (each plug)	2							
27. Slurry volume pumped (cu. ft.)								
28. Calculated top of plug (ft.)	4,490							
29. Measured top of plug, if tagged (ft.)	4510'							
30. Slurry wt. (lbs/gal)								
31. Type cement	Class C CIBP @ 4510' with 20' cement on top							

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

Allen James, Dist. Mgr. CRC Wireline, Inc. Allen James
 Name and title of cementer's representative Cementing Company Signature
2401 Catlin Odessa, Texas 79764 915 362-6351 2-7-86
 Address City, State, Zip Code Tel.: Area Code Number Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

 Typed or printed name of operator's representative Title Signature

 Address City, State, Zip Code Tel.: Area Code Number Date: mo. day yr.

Instructions to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide Rules 8 (Water Protection), 13 (Casing Cementing, Drilling, and Completion), and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

A. What to file. An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:

- An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
- Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. Where to file. The appropriate Commission District Office for the county in which the well is located.

C. Surface casing. An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

D. Centralizers. Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.

F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).

G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

BURLINGTON RESOURCES

EL MAR/DELAWARE/UNIT # 1224

FORMERLY MERIDIAN OIL, INC.

(NMOCD # _____, API# 42-301-80193)

1992' FNL & 660' FEL

Section 3, BLK. 54, T&P RR

County: LOVING, STATE: TEXAS

EL:

GL: KB:

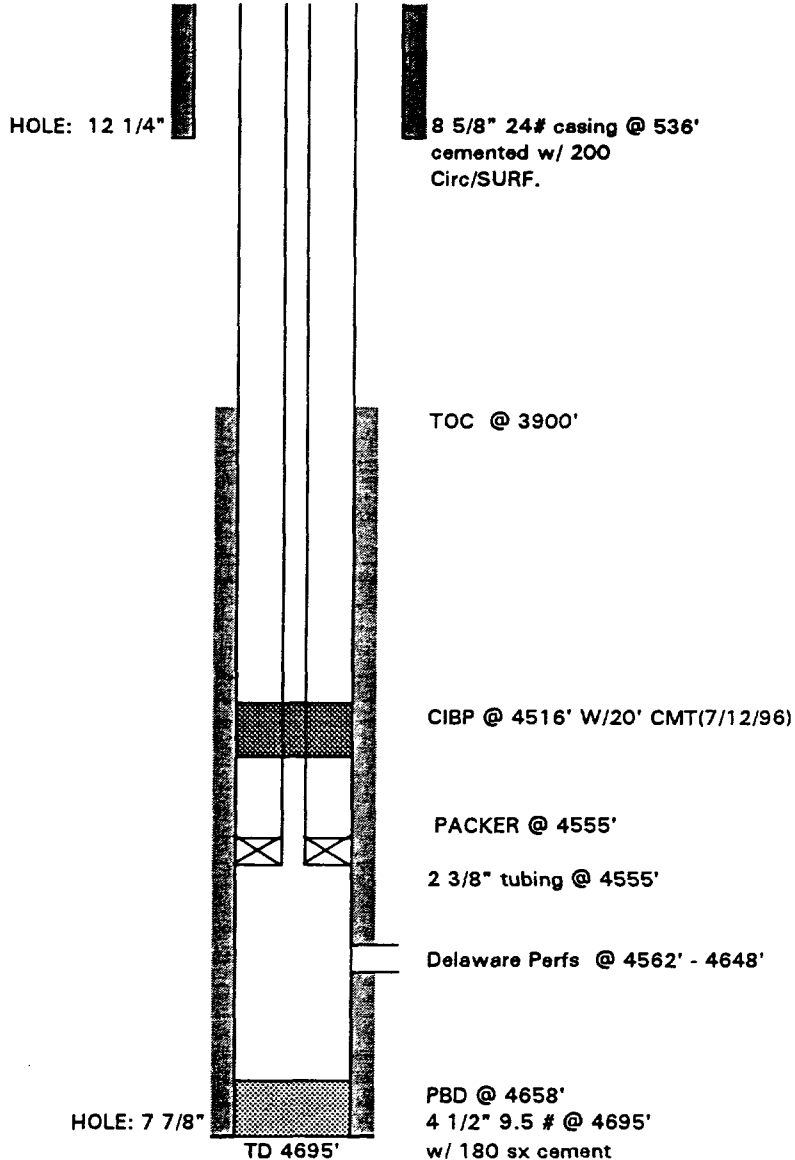
SPUD DATE: 11/7/59 COMPLETION: 11/18/59

Drilling comments:

Completion Comments:

Well Type POW

No other information available in public records



DRLD OUT TO 4658' (PBTD) 7/12/96

Type or print only

Oil and Gas Division

9-23-96

Form W-2

Rev. 4/1/83

483-046

API No. 42- 301-80193

7. RRC District No.
08

Oil Well Potential Test, Completion or Recompletion Report, and Log

8. RRC Lease No.
21246

1. FIELD NAME (as per RRC Records or Wildcat)

El Mar (Delaware)

2. LEASE NAME

El Mar/Delaware/Unit

9. Well No.
1224

3. OPERATOR'S NAME (Exactly as shown on P-5, Organization Report)

Burlington Resources Oil & Gas Company

RRC Operator No.

109338

10. County of well site
Loving

4. ADDRESS

P.O. Box 51810, Midland, TX 79710-1810

5. If Operator has changed within the last 60 days, name the former operator

Meridian Oil Inc. (561132)

11. Purpose of filing

Initial Potential ☒Retest ☒Reclass ☐Well record only ☒

(explain in Remarks)

6a. Location (Section, Block, and Survey)

3 54 T & P RR

6b. Distance and direction to nearest town in this county.

18 miles northwest of Mentone

12. If workover or reclass, give former field (with reservoir) & gas ID or oil lease no.
FIELD & RESERVOIRGAS ID or
OIL LEASE #Oil - O
Gas - G

WELL NO.

13. Type of electric or other log run

14. Completion or recompletion date

7/12/96

SECTION I: POTENTIAL TEST DATA

IMPORTANT: Test should be for 24 hours unless otherwise specified in field rules.

15. Date of test 8/18/96	16. No. of hours tested 24	17. Production method (Flowing, Gas Lift, Jetting, Pumping - Size & Type of pump) pmp 2"x1.5"x24'		18. Choke size 64/64"
19. Production during Test Period	Oil - BBLS 1	Gas - MCF 0	Water - BBLS 75	Gas - Oil Ratio N/A
20. Calculated 24- Hour Rate	Oil - BBLS	Gas - MCF	Water - BBLS	Oil Gravity - API - 60°
				Flowing Tubing Pressure 118 PSI
				Casing Pressure 118 PSI
21. Was swab used during this test? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		22. Oil produced prior to test (New & Reworked wells) None		23. Injection Gas-Oil Ratio

REMARKS:

Cleaned out wellbore and returned to production.

INSTRUCTIONS: File an original and one copy of the completed Form W-2 in the appropriate RRC District Office within 30 days after completing a well and within 10 days after a potential test. If an operator does not properly report the results of a potential test within the 10-day period, the effective date of the allowable assigned to the well will not extend back more than 10 days before the W-2 was received in the District Office. (Statewide Rules 16 and 51) To report a completion or recompletion, fill in both sides of this form. To report a retest, fill in only the front side.

WELL TESTER'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.

Signature: Well Tester

Name of Company

RRC Representative

OPERATOR'S CERTIFICATION

I declare under the penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

Donna Williams

Typed or printed name of operator's representative

915-688-6943

Telephone: Area Code Number

Date: 08 / 30 / 96

mo. day year

Regulatory Compliance

Title of Person

Signature

SECTION II

DATA ON WELL COMPLETION AND LOG (Not Required on Reset)

14. Type of Completion New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input checked="" type="checkbox"/>				25. Permit to Drill, Plug Back or, Deepen DATE _____ PERMIT NO. _____ Rule 37 _____ CASE NO. _____ Exception _____ Water injection Permit _____ PERMIT NO. _____ Salt Water Disposal Permit _____ PERMIT NO. _____ Other _____ PERMIT NO. _____																
26. Notice of Intention to Drill this well was filed in Name of _____																				
27. Number of producing wells on this lease in this field (reservoir) including this well _____		28. Total number of acres in this lease <div style="text-align: center; font-size: 1.2em;">9,440</div>																		
29. Date Plug Back, Deepening, Workover or Drilling Operations: _____ Commenced 7/10/96 Completed 7/12/96		30. Distance to nearest well. Same Lease & Reservoir _____																		
31. Location of well, relative to nearest lease boundaries of lease on which this well is located <div style="display: flex; justify-content: space-between;"> 1992' Feet from North Line and 660' Feet from </div> <div style="display: flex; justify-content: space-between;"> East Line of the E1 Mar/Delaware/Unit </div>																				
32. Elevation (DF, RKB, RT, GR, ETC.) _____		33. Was directional survey made other than inclination (W-12)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																		
34. Top of Pay 4562'	35. Total Depth 4695'	36. P. B. Depth 4658'	37. Surface Casing Determined by: _____ Field Rules <input type="checkbox"/> Recommendation of T.D.W.R. Railroad Commission (Special) <input type="checkbox"/> Dt. of Letter _____ Dt. of Letter _____																	
38. Is well multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No. <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;">FIELD & RESERVOIR</th> <th style="width: 10%;">GAS ID or OIL LEASE #</th> <th style="width: 10%;">Oil-O Gas-G</th> <th style="width: 10%;">WELL #</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>			FIELD & RESERVOIR	GAS ID or OIL LEASE #	Oil-O Gas-G	WELL #												
FIELD & RESERVOIR	GAS ID or OIL LEASE #	Oil-O Gas-G	WELL #																	
41. Name of Drilling Contractor Pride		42. Is Cementing Affidavit Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																		
43. CASING RECORD (Report All Strugs Set in Well)																				
CASING SIZE	WT #/FT.	DEPTH SET	MULTISTAGE TOOL DEPTH	TYPE & AMOUNT CEMENT (sacks)	HOLE SIZE	TOP OF CEMENT	SLURRY VOL. cu. ft.													
8 5/8"	24#	536'		Unk sxs	12 1/4"	Surf.	Unk.													
4 1/2"	9.5#	4695'		Unk sxs	7 7/8"	TOC@3900'	Unk.													
44. LINER RECORD																				
Size	TOP	Bottom	Sacks Cement	Screen																
45. TUBING RECORD																				
Size	Depth Set	Packer Set	46. Producing Interval (this completion) Indicate depth of perforation or open hole																	
2 3/8"	4555'	4555'	From 4562' To 4648'																	
			From _____ To _____																	
			From _____ To _____																	
			From _____ To _____																	
47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																				
Depth Interval			Amount and Kind of Material Used																	
CIBP@ 4516 w/20' cmt			Drld out to 4658' (PBTD)																	
4562'-4648'			A w/3000 gls 15% HV-60 acid + 1000 gls gel																	
brine																				
48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)																				
Formations	Depth	Formations	Depth																	

REMARKS

Cleaned out wellbore and returned to production.

BURLINGTON RESOURCES

EL MAR/DELAWARE/UNIT #1311

FORMERLY

(NMOCD # _____, API# 42-301-0085)

660' FNL & 660' FWL

Section 2, BLK. 54, T&P RR

County: LOVING, STATE: TEXAS

EL: 3097' DF

GL: KB:10'

SPUD DATE: 11/1/59 COMPLETION: 11/13/59

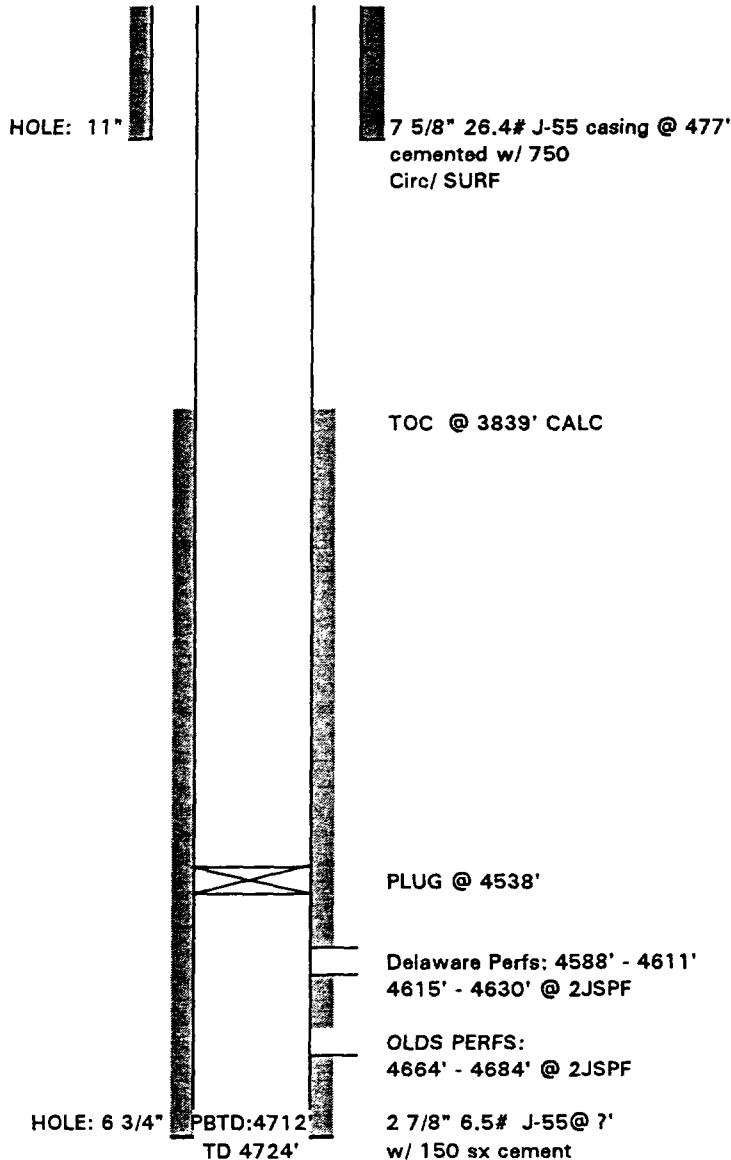
Drilling comments:

Completion Comments:

TA: 8/27/82

Well Type TA

No other information available in public records



BURLINGTON RESOURCES

EL MAR/DELAWARE/UNIT # 1312W

FORMERLY UNION ROYALTY, INC.

(NMOCD # _____, API# 42-301-00855)

660' FNL & 1650' FWL

Section 2, BLK. 54, T&P RR

County: LOVING, STATE: TEXAS

EL:

GL: KB:

SPUD DATE: 3/29/59 COMPLETION: 4/13/59

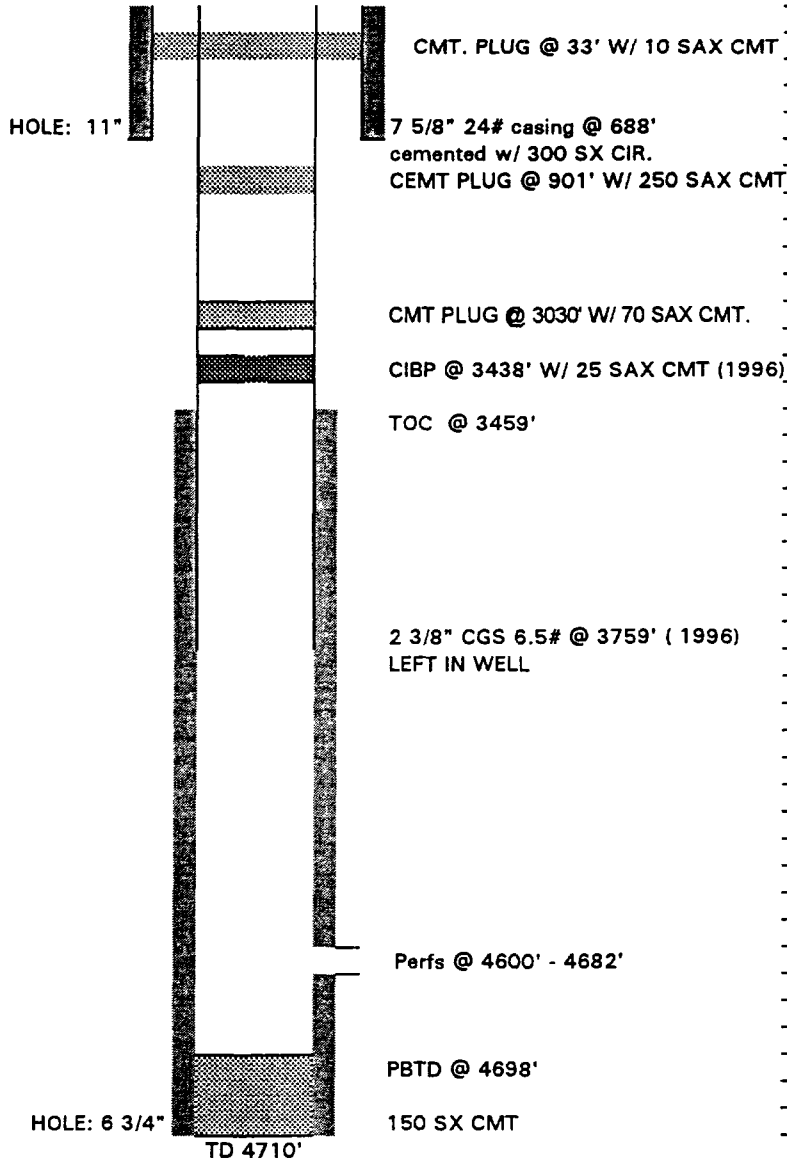
Drilling comments:

Completion Comments:

PLUGGED IN 11/29/96

Well Type P&A'D (PROD)

No other information available in public records



RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Form W-2
Rev. 4/1/83
483-046

or print only
Exception Dated _____

Surface Casing		API No. 42- 301-00855		7. RRC District No. 08
Oil Well Potential Test, Completion or Recompletion Report, and Log				8. RRC Lease No. 21246
1. FIELD NAME (as per RRC Records or Wildcat) El Mar (Delaware)		2. LEASE NAME El Mar/Delaware/Unit		9. Well No. 1312W
3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report) Union Royalty, Inc.		RRC Operator No. 876825		10. County of well site Loving
4. ADDRESS 500 W. Texas, Suite 1460, Midland, TX 79701				11. Purpose of filing Initial Potential <input type="checkbox"/> Retest <input type="checkbox"/> Reclass <input checked="" type="checkbox"/> Well record only (explain in Remarks) <input checked="" type="checkbox"/>
5. If Operator has changed within last 60 days, name former operator				
6a. Location (Section, Block, and Survey)		6b. Distance and direction to nearest town in this county.		
12. If workover or reclass, give former field (with reservoir) & gas ID or oil lease no. FIELD & RESERVOIR El Mar (Delaware) Sand		GAS ID or OIL LEASE #	OIL - O Gas - G	WELL NO.
13. Type of electric or other log run			14. Completion or recompletion date 2/7/94	

SECTION I: POTENTIAL TEST DATA IMPORTANT: Test should be for 24 hours unless otherwise specified in field rules.

15. Date of test		16. No. of hours tested		17. Production method (Flowing, Gas Lift, Jetting, Pumping—Size & Type of pump)		18. Choke size	
19. Production during Test Period		Oil - BBLS	Gas — MCF	Water - BBLS	Gas - Oil Ratio	Flowing Tubing Pressure PSI	
20. Calculated 24-Hour Rate		Oil - BBLS	Gas — MCF	Water — BBLS	Oil Gravity—API—60°	Casing Pressure PSI	
21. Was swab used during this test? Yes <input type="checkbox"/> No <input type="checkbox"/>			22. Oil produced prior to test (New & Reworked wells)			23. Injection Gas—Oil Ratio	
REMARKS: Reclass from 14 (b)(2) to active injector							

INSTRUCTIONS: File an original and one copy of the completed Form W-2 in the appropriate RRC District Office within 30 days after completing a well and within 10 days after a potential test. If an operator does not properly report the results of a potential test within the 10-day period, the effective date of the allowable assigned to the well will not extend back more than 10 days before the W-2 was received in the District Office. (Statewide Rules 16 and 51) To report a completion or recompletion, fill in both sides of this form. To report a retest, fill in only the front side.

WELL TESTER'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.

Signature: Well Tester

Name of Company

RRC Representative

OPERATOR'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

T. N. McKnight, Jr.

President

Typed or printed name of operator's representative

Title of Person

(915) 686-1991

03/ 04 / 94

Telephone Area Code Number Date and day year

Signature

187

SECTION II										DATA ON WELL COMPLETION AND LOG (Not Required on Retest)									
24. Type of Completion: New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/>										25. Permit to Drill, Plug Back or Deepen DATE _____ PERMIT NO. _____ Rule 37 CASE NO. _____ Exception _____ Water Injection PERMIT NO. _____ Permit F 1182 Salt Water Disposal PERMIT NO. _____ Permit _____ Other PERMIT NO. _____									
26. Notice of Intention to Drill this well was filed in Name of _____																			
27. Number of producing wells on this lease in this field (reservoir) including this well _____					28. Total number of acres in this lease _____														
29. Date Plug Back, Deepening, WorkOver or Drilling Operations: _____			Commenced _____		Completed _____		30. Distance to nearest well. Same Lease & Reservoir _____												
31. Location of well, relative to nearest lease boundaries of lease on which this well is located _____					Feet From _____					Line and _____					Feet from _____				
					Line of the _____					Lease _____									
32. Elevation (DF, RKB, RT, GR, ETC.) _____					33. Was directional survey made other than inclination (Form W-12)? <input type="checkbox"/> Yes <input type="checkbox"/> No														
34. Top of Pay _____		35. Total Depth 4709		36. P. B. Depth _____		37. Surface Casing Determined by: Field <input type="checkbox"/> Rules <input type="checkbox"/>		Recommendation of T.D.W.R. Railroad Commission (Special) <input type="checkbox"/>		Dt. of Letter _____		Dt. of Letter _____							
38. Is well multiple completion? <input type="checkbox"/>		39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No. <div style="display: flex; justify-content: space-between;"> <div>FIELD & RESERVOIR</div> <div>GAS ID or OIL LEASE #</div> <div>Oil—O Gas—G</div> <div>WELL #</div> </div>										40. Intervals Drilled by: _____		Rotary Tools _____		Cable Tools _____			
41. Name of Drilling Contractor _____												42. Is Cementing Affidavit Attached? <input type="checkbox"/> Yes <input type="checkbox"/> No							
43. CASING RECORD (Report All Strings Set in Well)																			
CASING SIZE		WT #/FT.		DEPTH SET		MULTISTAGE TOOL DEPTH		TYPE & AMOUNT CEMENT (sacks)		HOLE SIZE		TOP OF CEMENT		SLURRY VOL. cu. ft.					
7 5/8		24#		688				Unknown 300		11		Surf.		Unknown					
2 7/8		6.5#		4709				Unknown 150		6 3/4		3459		Unknown					
44. LINER RECORD																			
Size		TOP		Bottom		Sacks Cement		Screen											
5. TUBING RECORD																			
Size		Depth Set		Packer Set		46. Producing Interval (this completion) Indicate depth of perforation or open hole													
1 1/2		3940		3943		From 4544		To 4694											
						From		To											
						From		To											
						From		To											
7. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																			
Depth Interval						Amount and Kind of Material Used													
8. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)																			
Formations		Depth		Formations		Depth													

MARKS _____

188

Plugging Record

RAILROAD COMMISSION OF TEXAS

OIL AND GAS DIVISION

FORM W-3
Rev. 12/92

5-11-95
825

API NO. 42-301-00855
(if available)

1. RRC District
08

4. RRC Lease or Id. Number
21246

FILE IN DUPLICATE WITH DISTRICT OFFICE OF DISTRICT IN WHICH WELL IS LOCATED WITHIN THIRTY DAYS AFTER PLUGGING

2. FIELD NAME (as per RRC Records)
El Mar (Delaware)

3. Lease Name
El Mar/Delaware/Unit

5. Well Number
1312W

6. OPERATOR
Burlington Resources Oil & Gas Company

6a. Original Form W-1 Filed in Name of:

10. County
Loving

7. ADDRESS
P.O. Box 51810 Midland, Texas 79710-1810

6b. Any Subsequent W-1's Filed in Name of:

11. Date Drilling Permit Issued
3/29/59

8. Location of Well, Relative to Nearest Lease Boundaries of Lease on which this Well is Located
660' Feet From North Line and 1650' Feet From West Line of the El Mar/Delaware/Unit Lease

12. Permit Number
letter

9a. SECTION, BLOCK, AND SURVEY
Sec. 2, Blk 54, T-1, T & P Survey

9b. Distance and Direction From Nearest Town in this County
18 miles northwest of Mentone, Tx

13. Date Drilling Commenced
3/29/59

14. Date Drilling Completed
4/13/59

15. Date Well Plugged
11/29/96

16. Type Well (Oil, Gas, Dry)
injection

17. Total Depth
4710'

17. If Multiple Completion List All Field Names and Oil Lease or Gas ID No.'s
GAS ID or OIL LEASE # Oil - O Gas - G WELL #

18. If Gas, Amt. of Cond. on Hand at time of Plugging

CEMENTING TO PLUG AND ABANDON DATA:

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
19. Cementing Date	11/26/96	11/29/96	11/29/96	11/29/96				
20. Size of Hole or Pipe in which Plug Placed (inches)	2 7/8	2 7/8	6 3/4	7 5/8				
21. Depth to Bottom of Tubing or Drill Pipe (ft.)	3030	3438	901	33				
22. Sacks of Cement Used (each plug)	70	25	250	10				
23. Slurry Volume Pumped (cu. ft.)	92.4	33	330	13.2				
24. Calculated Top of Plug (ft.)	3393	3256						
25. Measured Top of Plug (if tagged) (ft.)	3430							
26. Slurry Wt. # Gal.	14.8	14.8	14.8	14.8				
27. Type Cement	Premium Plus	Premium Plus	Premium Plus	Premium Plus				

28. CASING AND TUBING RECORD AFTER PLUGGING

SIZE	WT. #/FT.	PUT IN WELL (ft.)	LEFT IN WELL (ft.)	HOLE SIZE (in.)
7 5/8"	24	688'	688'	Unk.
2 7/8"	6.5	4709'	3759'	6 3/4"

29. Was any Non-Drillable Material (Other than Casing) Left in This Well
☐ Yes ☒ No

29a. If answer to above is "Yes", state depth to top of "junk" left in hole and briefly describe non-drillable material. (Use Reverse Side of Form if more space is needed.)

30. LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS

FROM	TO	FROM	TO
4600'	4682'		

I have knowledge that the cementing operations, as reflected by the information found on this form, were performed as indicated by such information.

* Designates items to be completed by Cementing Company. Items not so designated shall be completed by Operator.

Kerrin Cavathes
Signature of Cementer or Authorized Representative

Halliburton Energy Services
Name of Cementing Company

DEC 13 1996

O.G.
MIDLAND, TEXAS

CERTIFICATE
I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

Donna Williams
REPRESENTATIVE OF COMPANY

Donna Williams
SIGNATURE: REPRESENTATIVE OF RAILROAD COMMISSION

Regulatory
TITLE

RECEIVED
R.R.C. OF TEXAS
DATE
DEC 18 1996
O.G.
MIDLAND, TEXAS

Phone 915-688-6943
A/C NUMBER

189

BURLINGTON RESOURCES

EL MAR/DELAWARE/UNIT # 1313

FORMERLY

(NMOCD # _____, API# 42-301-8020500)

660' FNL & 2310' FEL

Section 2, BLK. 54, T&P RR

County: LOVING, STATE: TEXAS

EL: 3086' GR

3095' DF

SPUD DATE: 5/6/60 COMPLETION: 5/20/60

Drilling comments:

Completion Comments:

Well Type POW

No other information available in public records

HOLE: 11"

7 5/8" 24# casing @ 690'
cemented w/ 300
Circ/SURF

TOC @ 3850' (CIRC)

BAKER BRIDGE PLUG @ 4239'
W/ 10' CMT ON TOP

1/2" J-55 TBG @ 189'

Delaware Perfs
@ 4611' - 4620' @ 2JSPF

OILDS PERFS:
@ 4685' - 4692' @ 2JSPF

HOLE: 6 3/4" PBTD: 4733'
TD 4746'

2 7/8" 6.5 # @ 4746'
w/ 150 sx cement

BURLINGTON RESOURCES

EL MAR/DELAWARE/UNIT # 1314W

FORMERLY UNION ROYALTY, INC.

(NMOCD # _____, API# 42-301-00860)

FL & ' FL

Section 2, BLK. 54, T&P RR

County: LOVING, STATE: TEXAS

EL:

GL: KB:

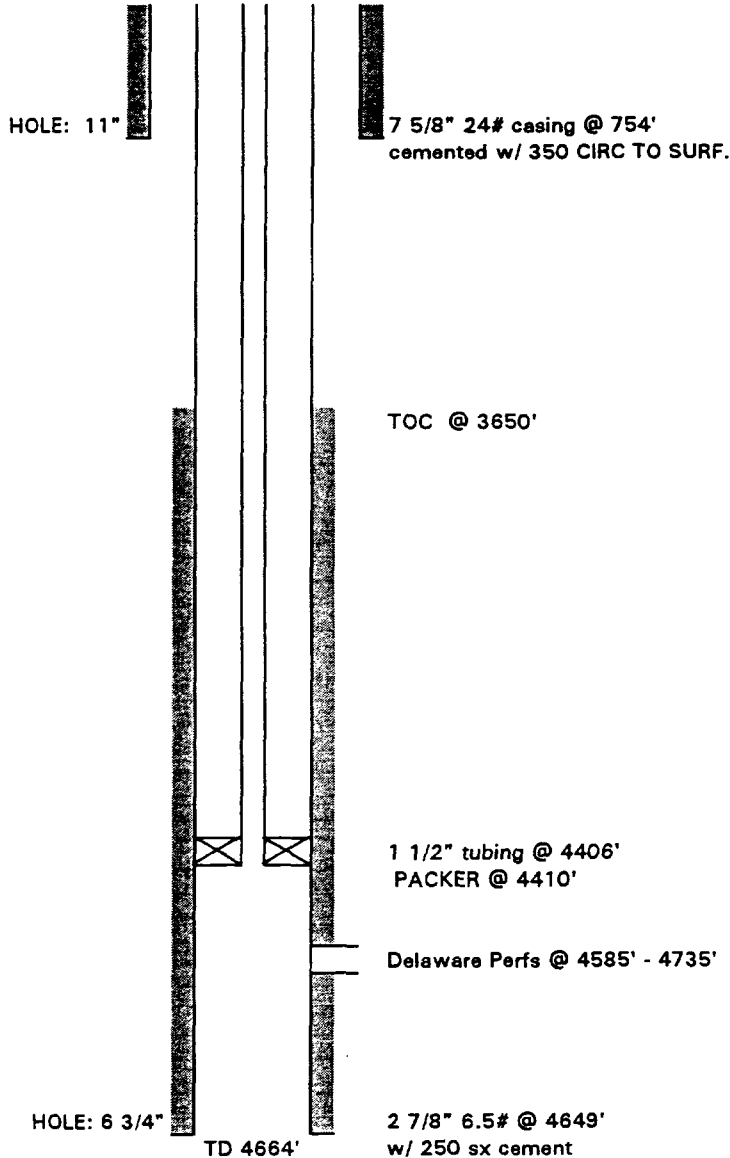
SPUD DATE: 3/15/62 COMPLETION: 4/2/62

Drilling comments:

Completion Comments:

Well Type WIW

No other information available in public records



RAILROAD COMMISSION OF TEXAS

Type or print only

Oil and Gas Division

Form W-2

Rev. 4/1/83

483-046

Surface Coring

Fe.

3-14-94

API No. 42-301-00860

7. RRC District No.

08

8. RRC Lease No.

21246

9. Well No.

1314W

Oil Well Potential Test, Completion or Recompletion Report, and Log

1. FIELD NAME (as per RRC Records or Wildcat)

El Mar (Delaware)

2. LEASE NAME

El Mar/Delaware/Unit

3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report)

Union Royalty, Inc.

RRC Operator No.

876825

10. County of well site

Loving

4. ADDRESS

500 W. Texas, Suite 1460, Midland, TX 79701

11. Purpose of filing

Initial Potential ☐Retest ☐Reclass ☒Well record only ☒

(explain in Remarks)

5. If Operator has changed within last 60 days, name former operator

6a. Location (Section, Block, and Survey)

Sec. 2, Blk. 54, T&P RR

6b. Distance and direction to nearest town in this county.

20 Miles North of Mentone

12. If workover or reclass, give former field (with reservoir) & gas ID or oil lease no.
FIELD & RESERVOIR

El Mar (Delaware) Sand

GAS ID or
OIL LEASE #Oil - O
Gas - G

WELL NO.

13. Type of electric or other log run

14. Completion or recompletion date

2/7/94

SECTION I: POTENTIAL TEST DATA IMPORTANT: Test should be for 24 hours unless otherwise specified in field rules.

15. Date of test	16. No. of hours tested	17. Production method (Flowing, Gas Lift, Jetting, Pumping— Size & Type of pump)			18. Choke size
19. Production during Test Period	Oil - BBLS	Gas - MCF	Water - BBLS	Gas - Oil Ratio	Flowing Tubing Pressure PSI
20. Calculated 24- Hour Rate	Oil - BBLS	Gas - MCF	Water - BBLS	Oil Gravity—API—60°	Casing Pressure PSI
21. Was swab used during this test? Yes <input type="checkbox"/> No <input type="checkbox"/>		22. Oil produced prior to test (New & Reworked wells)			23. Injection Gas—Oil Ratio

REMARKS:

Reclass from 14 (b)(2) to active injector

INSTRUCTIONS: File an original and one copy of the completed Form W-2 in the appropriate RRC District Office within 30 days after completing a well and within 10 days after a potential test. If an operator does not properly report the results of a potential test within the 10-day period, the effective date of the allowable assigned to the well will not extend back more than 10 days before the W-2 was received in the District Office. (Statewide Rules 16 and 51) To report a completion or recompletion, fill in both sides of this form. To report a retest, fill in only the front side.

WELL TESTER'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.

Signature: Well Tester

Name of Company

RRC Representative

OPERATOR'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

T. N. McKnight, Jr.

Typed or printed name of operator's representative

(915) 686-1991

03 / 04 / 94

Telephone: Area Code

Number

Date:

mo.

day

year

President

Title of Person

Signature

SECTION II

DATA ON WELL COMPLETION AND LOG (Not Required on Re-test)

24. Type of Completion: New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/>				25. Permit to Drill, Plug Back or Deepen Rule 37 DATE PERMIT NO. Exception CASE NO. Water Injection PERMIT NO. Permit F 1182 Salt Water Disposal PERMIT NO. Permit Other PERMIT NO.	
26. Notice of Intention to Drill this well was filed in Name of				27. Number of producing wells on this lease in this field (reservoir) including this well	
28. Total number of acres in this lease				29. Date Plug Back, Deepening, WorkOver or Drilling Operations:	
Commenced		Completed		30. Distance to nearest well, Same Lease & Reservoir	
31. Location of well, relative to nearest lease boundaries of lease on which this well is located				Feet From _____ Line and _____ Feet from _____ Line of the _____ Lease	
32. Elevation (DF, RKB, RT, GR, ETC.)				33. Was directional survey made other than inclination (Form W-12)? <input type="checkbox"/> Yes <input type="checkbox"/> No	
34. Top of Pay		35. Total Depth 4664		36. P. B. Depth	
37. Surface Casing Determined by: Field <input type="checkbox"/> Rules		Recommendation of T.D.W.R. <input type="checkbox"/> Railroad Commission (Special) <input type="checkbox"/>		DI. of Letter	
38. Is well multiple completion?		39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No. FIELD & RESERVOIR			
40. Intervals Drilled by:		Rotary Tools		Cable Tools	
41. Name of Drilling Contractor		42. Is Cementing Affidavit Attached? <input type="checkbox"/> Yes <input type="checkbox"/> No			

43. CASING RECORD (Report All Strings Set in Well)							
CASING SIZE	WT #/FT.	DEPTH SET	MULTISTAGE TOOL DEPTH	TYPE & AMOUNT CEMENT (sacks)	HOLE SIZE	TOP OF CEMENT	SLURRY VOL. cu. ft.
7 5/8	24#	754		Unknown 350	11	Surf.	Unknown
2 7/8	6.5#	4649		Unknown 250	6 3/4	3650	Unknown

44. LINER RECORD				
Size	TOP	Bottom	Sacks Cement	Screen

45. TUBING RECORD			46. Producing Interval (this completion) Indicate depth of perforation or open hole	
Size	Depth Set	Packer Set	From	To
1 1/2	4406	4410	4585	4735
			From	To
			From	To
			From	To

47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Depth Interval	Amount and Kind of Material Used

48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)			
Formations	Depth	Formations	Depth

REMARKS

BURLINGTON RESOURCES

EL MAR/DELAWARE/UNIT #1321W

FORMERLY UNION ROYALTY, INC.

(NMOCD # _____, API# 42-301-80207)

1980' FNL & 660' FEL

Section 2, BLK. 54, T&P RR

County: LOVING, STATE: TEXAS

EL:

GL: KB:

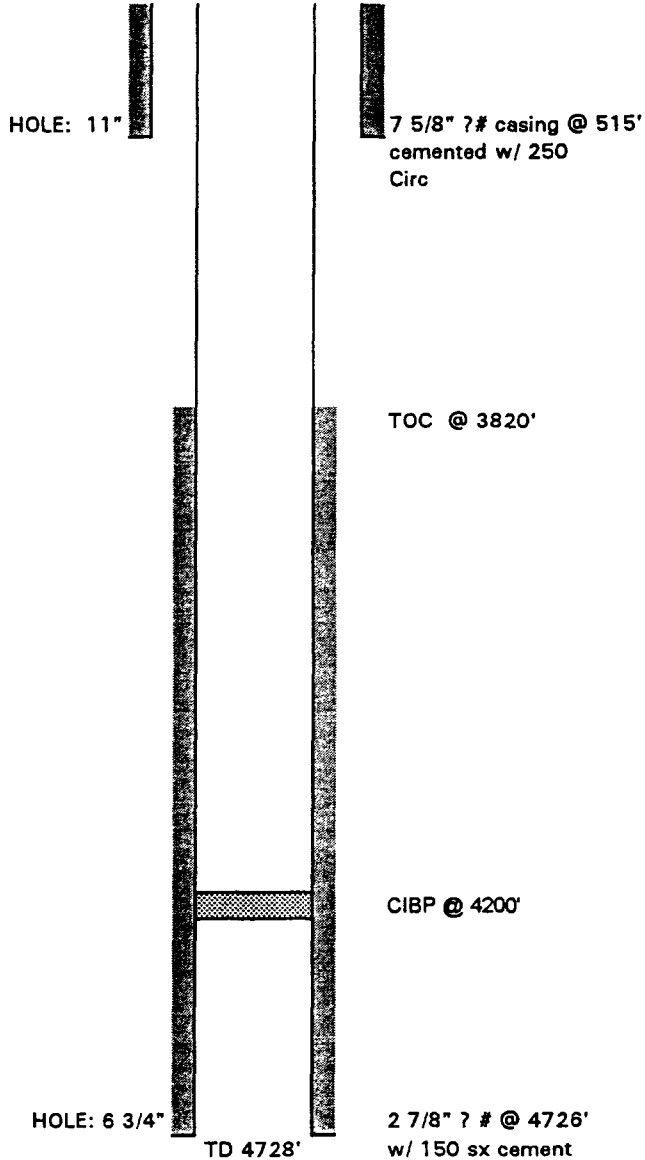
SPUD DATE: 12/9/59 COMPLETION: 12/25/59

Drilling comments:

Completion Comments:

Well Type WIW

No other information available in public records



BURLINGTON RESOURCES

EL MAR/DELAWARE/UNIT #1322

FORMERLY

(NMOCD # _____, API# 42-301-00854)

1980' FNL & 1650' FWL

Section 2, BLK. 54, T&P RR

County: LOVING, STATE: TEXAS

EL: 3080'

GL: KB:11'

SPUD DATE:3/19/80 COMPLETION:4/16/80

Drilling comments:

Completion Comments:

Well Type P&A'D(PROD)

No other information available in public records

HOLE: 11"

7 5/8" 24# H-40 casing @ 688'
cemented w/ 300
Circ/ SURF

TOC @ 3810'(CALC)

RAMSEY Perfs : 4590' - 4596'
4600' - 4609'

OLDS PERFS:
4648' 4654' 4660'

HOLE: 6 3/4" PBTD: 4699'
TD: 4710'

2 7/8" 6.5# J-55 @ 4710'
w/ 150 sx cement

BURLINGTON RESOURCES

EL MAR/DELAWARE/UNIT # 1323

FORMERLY UNION ROYALTY, INC.

(NMOCD # _____, API# 42-301-80209)

1980' FNL & 2310' FEL

Section 2, BLK. 54, T&P RR

County: LOVING, STATE: TEXAS

EL:

GL: KB:

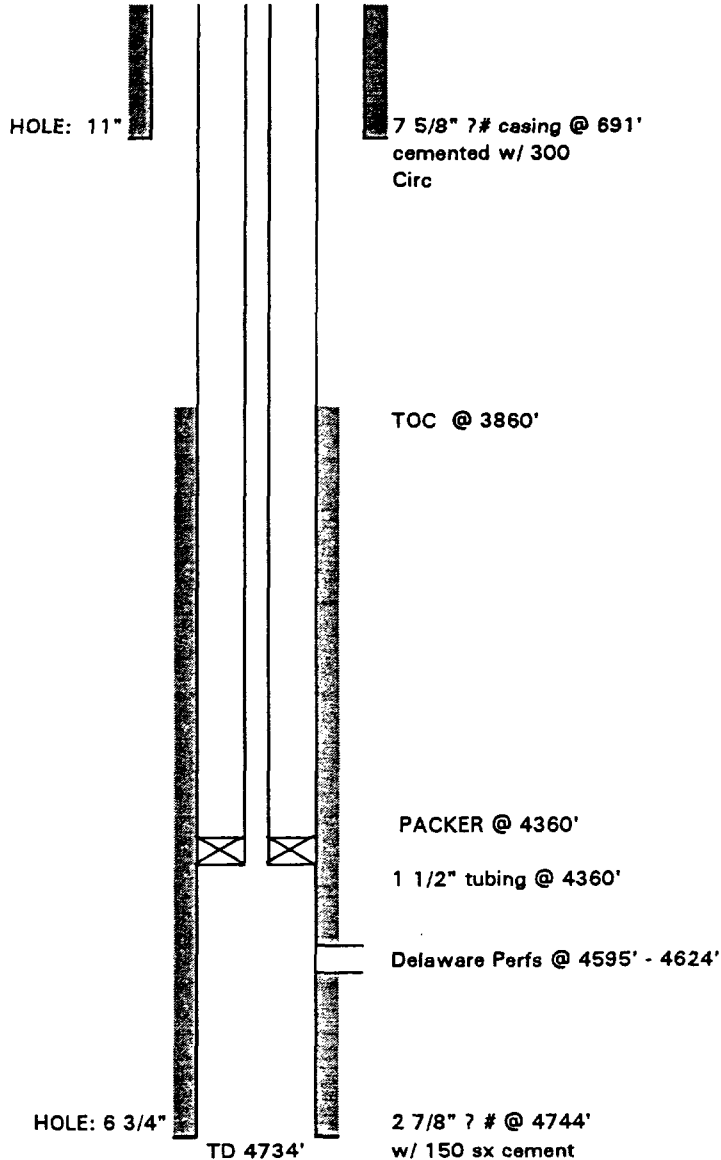
SPUD DATE: 4/26/60 COMPLETION: 5/11/60

Drilling comments:

Completion Comments:

Well Type P&A'D (INJ.)

No other information available in public records



BURLINGTON RESOURCES

EL MAR/DELAWARE/UNIT #1324

FORMERLY

(NMOCD # _____, API# 42-301-8021)

1320' FNL & 1650' FEL

Section 2, BLK. 54, T&P RR

County: LOVING, STATE: TEXAS

EL: 3081'

DF: 3090'

GL: KB:

SPUD DATE: 4/9/62

COMPLETION: 4/25/62

P&A 9/16/86

Well Type P&A'D (PROD)

No other information available
in public records

CMT PLUG @ 25' - SURF
STEEL PLATE AT SURF

HOLE: 9 7/8"
CMT PLUG @ 527' - 780'

7 5/8" 23# casing @ 734'
cemented w/ 350 SX
Circ/ SURF

CMT PLUG @ 1400' - 1577'

TOC @ 3140' (CALC)

CIBP @ 4473'
20' CMT ON TOP

Delaware Perfs: 4608' - 4633'

HOLE: 6 3/4" PBTD: 4640'
TD: 4650'

2 7/8" 6.5# @ 4650' CUT AT 1577'
w/ 200 sx cement

Quay Valley, Inc.

CO2 Project

North El Mar Unit

List of offset owners:

Burlington Resources Oil & Gas
Company
Attn: Mr. Willis Price
P. O. Box 51810
3300 North A, Building #6 79705
Midland, Texas 79710

Elliott Industries
Box 1355
Roswell, NM 88202

Ft. Worth Bank, Trustee
1600 Broadway
Denver, CO 80201

Elliott - Hall Company
Box 1231
Ogden, UT 88402-1231C

Charles and Iris Miller
1600 Broadway
Denver, CO 80201

Chevron USA, Inc.
Box 1635
Houston, TX 77251

John F. McNaughton
1600 Broadway
Denver, CO 80201

J. M. Zachary
1600 Broadway
Denver, CO 80201

KEC Acquisition Corporation
700 Louisiana #2100
Houston, Texas 77002-2728

New Mexico State Land Office
Oil and Gas Department
Box 1148
Santa FE, NM 87504-1148

United States of America
Department of the Interior
Bureau of Land Management
P. O. Box 27115
Santa Fe, NM 87502-0115

CC: Bureau of Land Management
2909 West Second Street
Roswell, NM 87502-0115

QUAY VALLEY, INC.
P. O. BOX 10280
MIDLAND, TEXAS 79702
915/687-4220

July 11, 1997

Hobbs News Sun
P. O. Box 860
Hobbs, New Mexico 88240

Attention: Tommie Carrell

Re: Legal Notice
CO2 Project Notification
Lea County, New Mexico

Dear Ms. Carrell:

Enclosed please find a legal notice to be published in the Hobbs News Sun to be run for one day on Tuesday, July 15, 1997. Please send a copy of the notice complete with the date the notice was published as we need proof of publication.

Please submit an invoice for payment to: Quay Valley, Inc. P. O. Box 10280, Midland, Texas 79702. Thank you for your cooperation in this matter. I can be reached at 915-687-4220 if you need further information.

Yours very truly,

QUAY VALLEY, INC.

Johnnye L. Nance
Associate Landman

JLN:sf

Enclosure

July 11, 1997

Legal Notice to be run for one day, on Tuesday, July 15, 1997, in the Hobbs News Sun, P. O. Box 860, Hobbs, New Mexico 88240:

NOTICE is hereby given that Quay Valley, Inc., Operator of the North El Mar Unit located in Sections 24, 25, 26, 27, 34, 35, and 36, R-26-S, R-32-E, and Sections 19, 30, and 31, R-26-S, R-33-E, all in Lea County, New Mexico, is seeking approval to upgrade their current waterflood project to a CO₂ injection project. The formation currently being waterflooded is the "Unitized Formation" defined as the Delaware Sand formation found between the depths of 4672 feet and 4782 feet in the Continental Oil Company Payne No. 11 well, located 1650' FWL and 660' FSL, Section 30, T-26-S, R-33-E, on the Gamma Ray-Sonic Log of said well run on July 21, 1960. CO₂ injection would be into that same formation. Daily maximum injection rates for CO₂ will be 15 MMCF at a maximum pressure of 1160 PSI, with daily maximum water at 4700 BBLS at a maximum pressure of 530 PSI. Interested parties must file objections or requests for hearing with the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, within 15 days of this notice. Contact party for the applicant: Stella Swanson, Quay Valley, Inc., P. O. Box 10280, Midland, Texas 79702, 915/687-4220.