# Wells Located within NEMU boundaries other than Injection wells.

#### North Elmar Unit #1

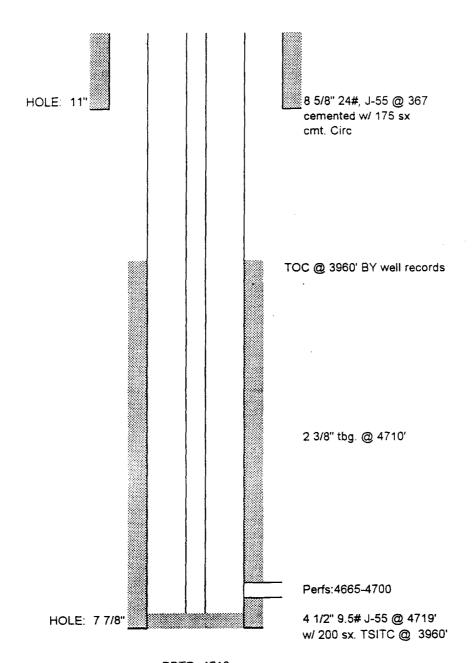
#### FORMERLY CONTINENTAL FEDERAL LITTLEFIELD "DR" #1

(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



PBTD 4710 TD 4719'

# Bobby Gray/Gray Pumping 915/943-4397

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	

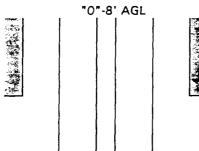
#### North El Mar Unit #2

#### 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 EL: 3149' DF: 3139'

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



PBTD 4755' TD 4790'

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

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

# Bobby Gray/Gray Pumping 915/943-4397

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'	

#### North Elmar Unit #3

FORMERLY ANTWEIL MORRIS R FEDERAL LITTLEFIELD DQ 1-X

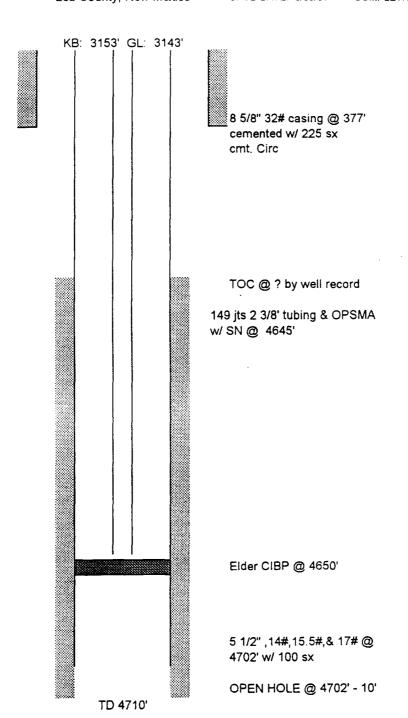
(NMOCD# , API# 30-025-084200)

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



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# Bobby Gray/Gray Pumping 915/943-4397

Status	(TA)	Formerly:	Federal Littlefield "DQ" 1-X
County & State	Lea County, Nev	w 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'	

#### 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

**8** 5/8" 24# casing @ 362' cemented w/?

Circ

TOC estimated @ 2500' by well record

BAKER RET. PACKER @ 4579 148 jts of 2 3/8", 4.7#, EUE 8rd P.C. tubing @ 4597' CIBP (Arrow "PDQ") @ 4630'

Delaware Perfs 4682'-4692' w/ 4 shots per foot

5 1/2" 15 1/2 # @ 4704

w/ 300 sx cement

TD 4704'

HOLE: 7 7/8"

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# Bobby Gray/Gray Pumping 915/943-4397

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 @ 4,63	0'

#### North El Mar Unit #5

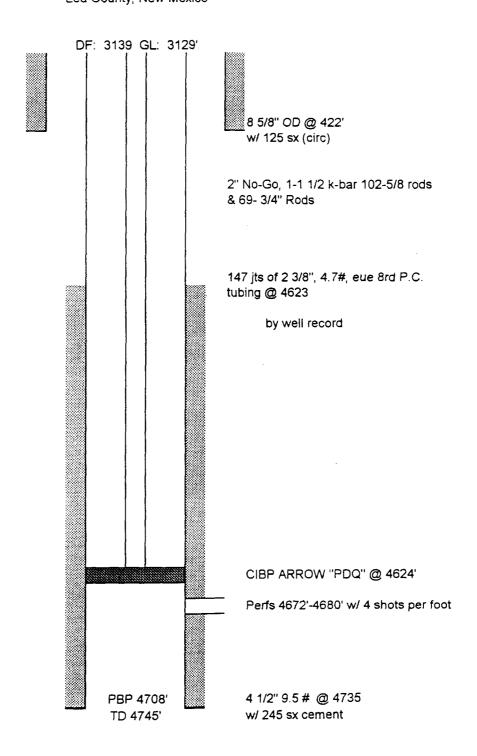
#### FORMERLY WORLDWIDE PETROLEUM MELISSA FEDERAL #1

(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



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# Bobby Gray/Gray Pumping 915/943-4397

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 @ 4,62	24'

#### North El Mar Unit #7

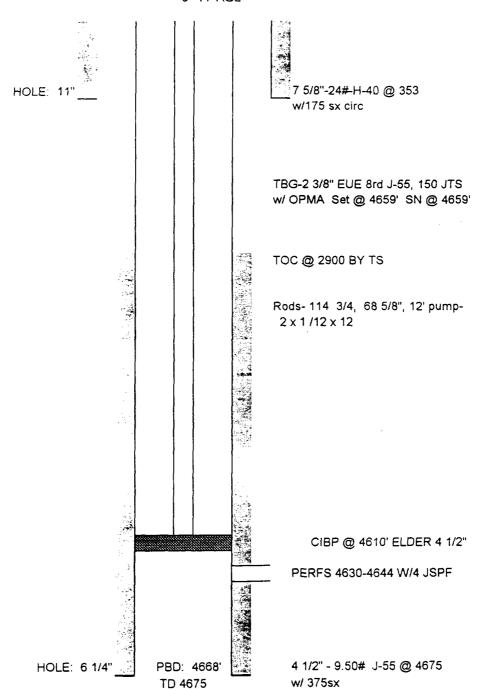
FORMERLY CONTINENTAL OIL WILDER #15 (NMOCD # \_\_\_\_, API# 30-025-082860)

660' FNL & 1980' FWL

Lea County, New Mexico

Section 25, T-26-S, R-32-E SPUD DATE: 11/29/59 COMPLETION DATE: 12/13/59

"0"-11' AGL



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# Bobby Gray/Gray Pumping 915/943-4397

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	TOC: Circ. to Surface
	Hole Size: 11"	
Production Casing	4 1/2" @ 4,675 375 sx	TOC: 2,900'
	Hole Size: 6 1/4"'	
Tubing Size	2 3/8" @ 4,659'	
Perforations	4,630'-44'	
Packer Size & Type		
Bridge Plug, If one	Elder 4 1/2" cement retension @	4,610'

#### North El Mar Unit #9

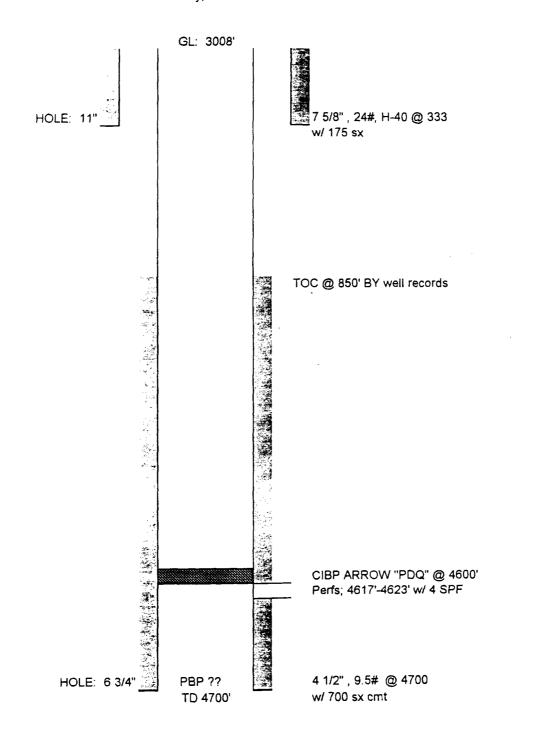
#### FORMERLY CONTINENTAL OIL WILDER #26

(NMOCD # \_\_\_\_, API# 30-025-082980)

990' FNL & 660' FEL

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

SPUD DATE: 7/22/60 COMPLETION DATE: 8/13/60



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# Bobby Gray/Gray Pumping 915/943-4397

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'		

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#### North El Mar Unit #10

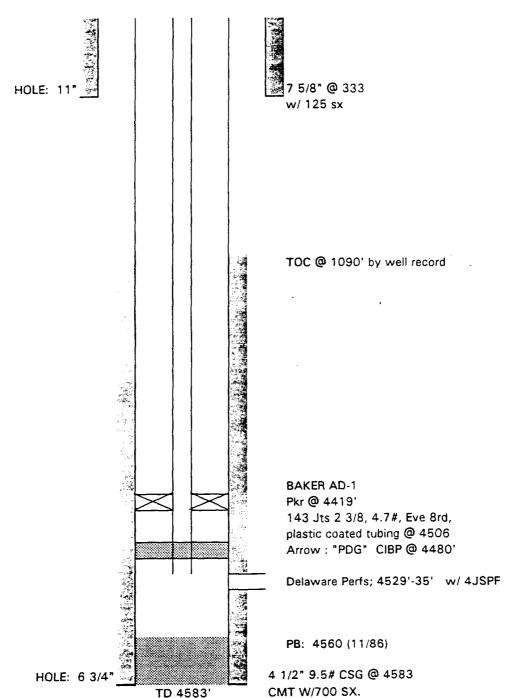
#### FORMERLY CONTINENTAL OIL WILDER #27

(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



# Bobby Gray/Gray Pumping 915/943-4397

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.	

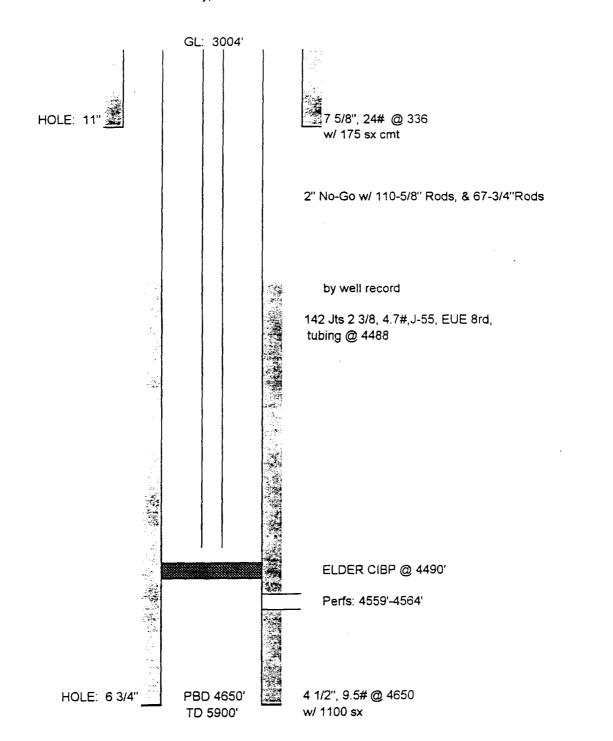
#### North El Mar Unit #11

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



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# Bobby Gray/Gray Pumping 915/943-4397

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'	

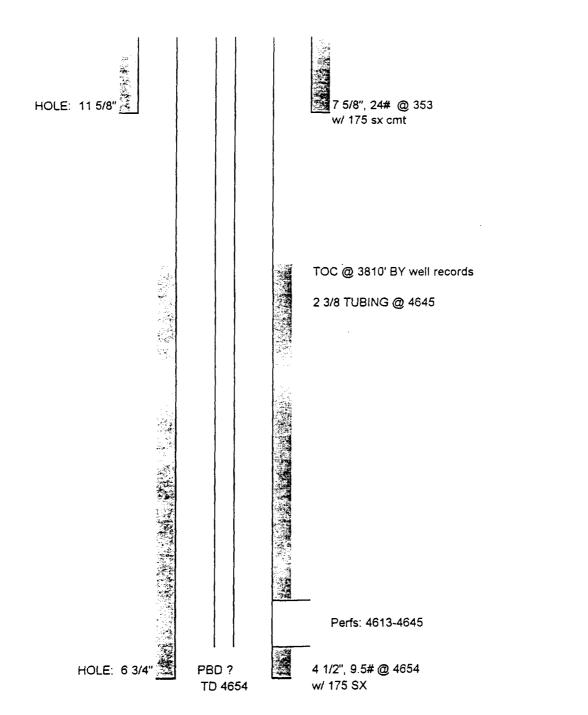
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# North El Mar Unit #13 FORMERLY CONTINENTAL OIL WILDER #14

(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



# Bobby Gray/Gray Pumping 915/943-4397

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	,	

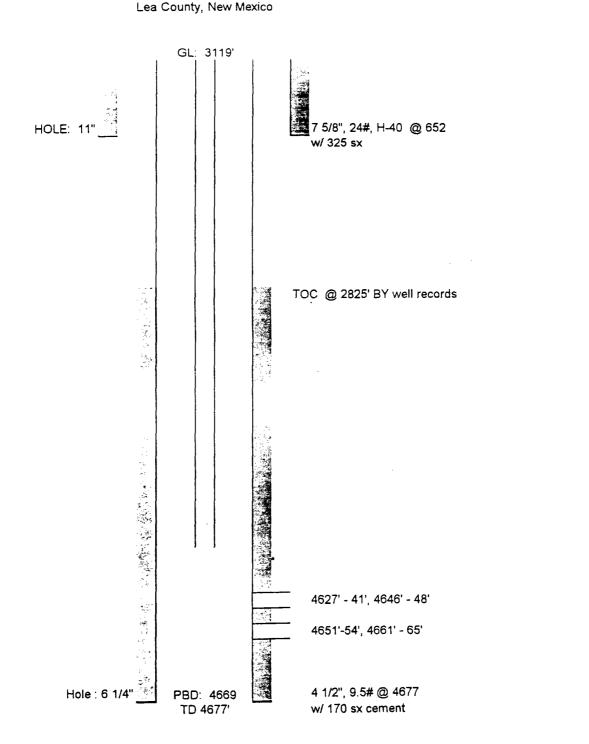
### QUAY VALLEY, INC

## 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

SPUD DATE: 7/23/59 COMPLETION DATE: 8/2/59



# Bobby Gray/Gray Pumping 915/943-4397

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', 4651'-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.	

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North El Mar Unit #17

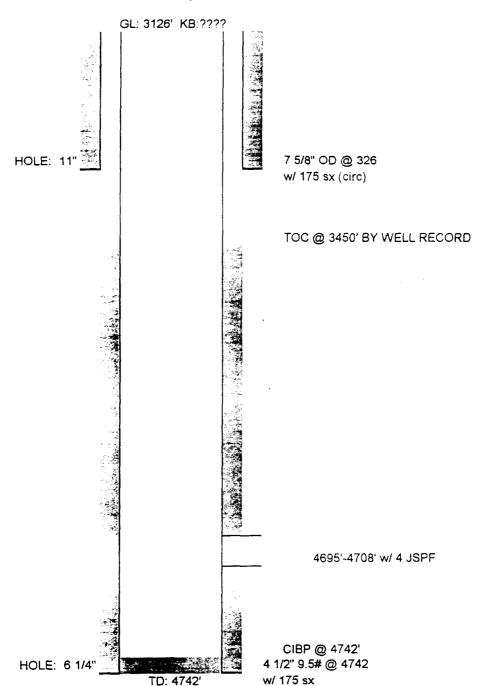
FORMERLY CONTINENTAL OIL PAYNE #2 (NMOCD #?, API# 30-025-084300)

1880' FNL & 660' FWL

Spud Date: 9/7/59

Completion: 9/18/59

Section 30, Township 26 South, Range 33 East Lea County, NM



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# Bobby Gray/Gray Pumping 915/943-4397

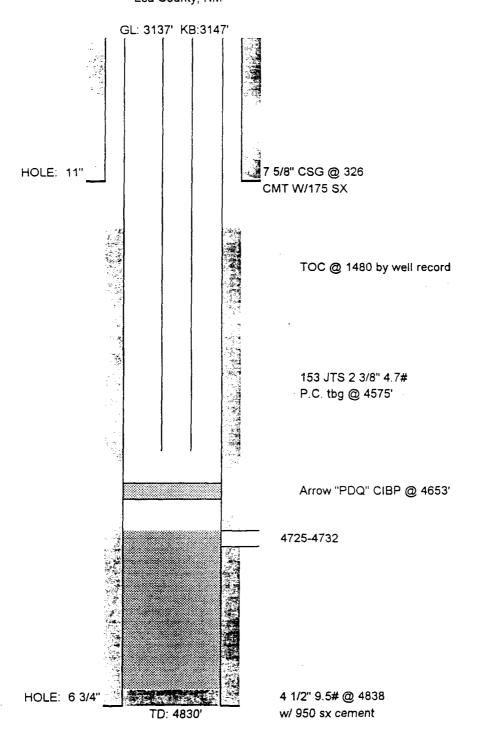
Status	(TA) Formerly: Payne #2
County & State	Lea County, New Mexico
Spud Date:	09/07/59
Completion	09/18/59
Total Depth	4,742'
Surface Casing	7 5/8" @ 326' 175 sx TOC: Surface
	Hole Size: 11"
Production Casing	4 1/2" @ 4,742' 175 sx TOC: 3,450'
	Hole Size: 6 1/4"
Tubing Size	1/27/95 took out 2 3/8"
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



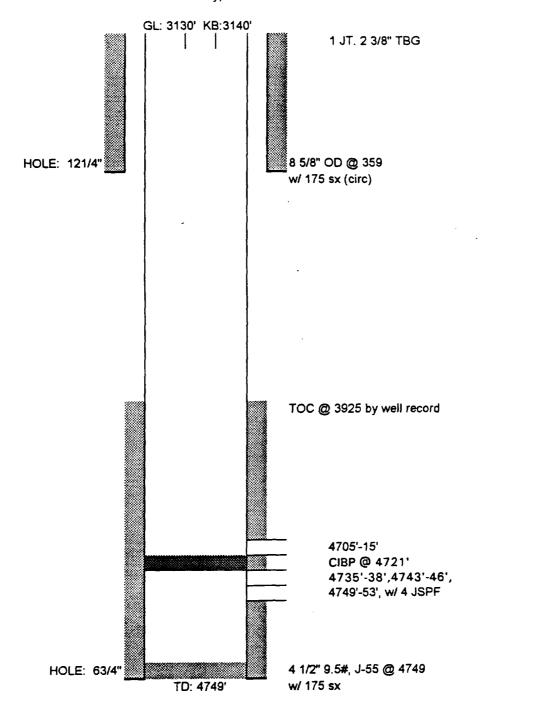
# Bobby Gray/Gray Pumping 915/943-4397

Status	(WIWSI)	Formerly: Payne #8	
County & State	Lea County, New Mexico	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'		

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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



# Bobby Gray/Gray Pumping 915/943-4397

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"

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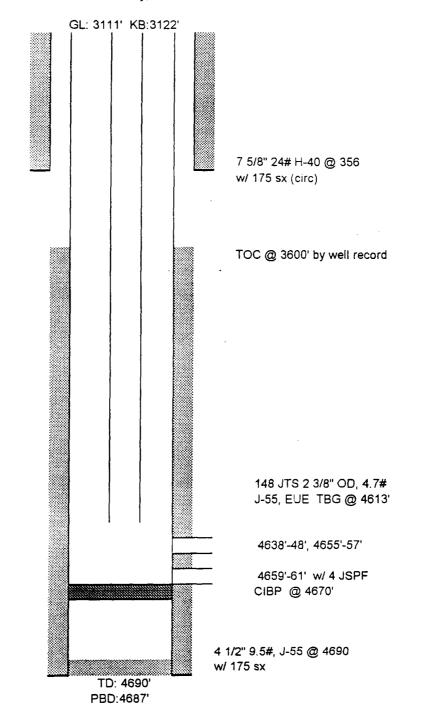
#### North El Mar Unit #21

FORMERLY CONTINENTAL OIL WILDER #13 (NMOCD #?, 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



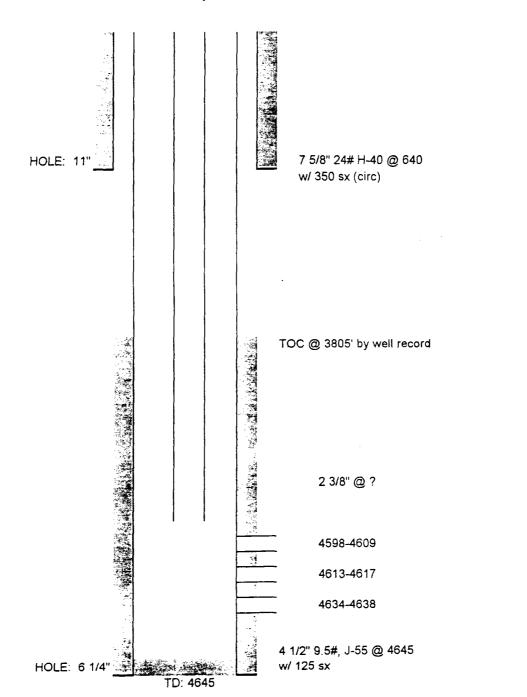
## Bobby Gray/Gray Pumping 915/943-4397

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 back on production. Pushed to	

#### North El Mar Unit #23

FORMERLY CONTINENTAL OIL WILDER #4 (NMOCD #?, API# 30-025-082760)

1980' FSL & 1980' FWL Spud Date: 6/19/59 Completion: 6/30/59 Section 25, Township 26 South, Range 32 East
Lea County, NM



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## Bobby Gray/Gray Pumping 915/943-4397

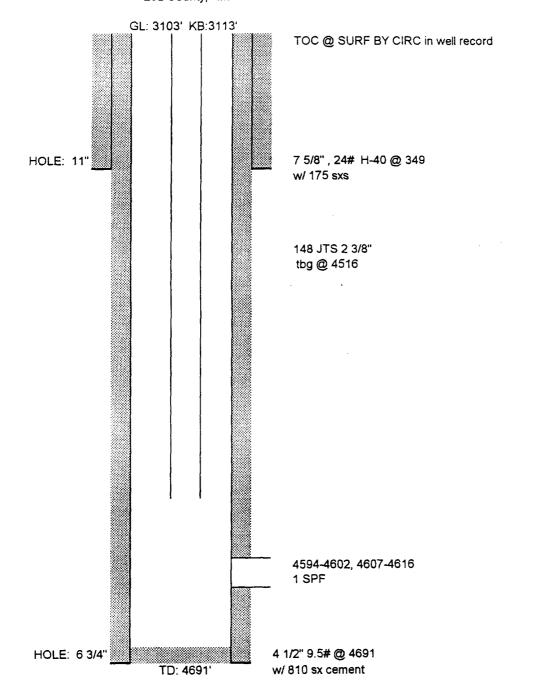
Status	(POW) Formerly: Wilder #4
County & State	Lea County, New Mexico
Spud Date:	06/19/59
Completion	06/30/59
Total Depth	4,645'
Surface Casing	7 5/8" @ 640' 350 sx TOC: Surface
	Hole Size: 11"
Production Casing	4 1/2" @ 4,645' 125 sx TOC: 3,805'
-	Hole Size: 6 1/4"
Tubing Size	2 3/8"
Perforations	4,598'-4,609',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

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#### North El Mar Unit #25

FORMERLY CONTINENTAL OIL WILDER #17 (NMOCD #?, API# 30-025-082900)

660' FEL & 1980' FSL Section 26, Township 26 South, Range 32 East Lea County, NM Spud Date: 2/10/60 Completion: 2/22/60



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# Bobby Gray/Gray Pumping 915/943-4397

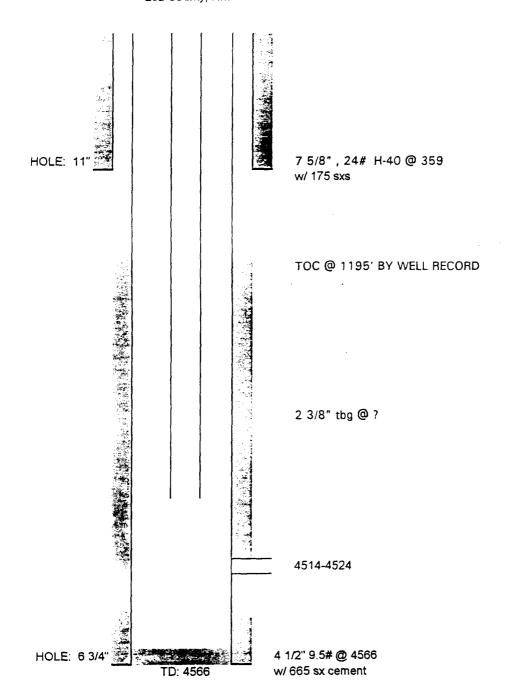
Status	(POW)	Formerly: Wilder #17
County & State	Lea County, New Mexico	
Spud Date:	02/10/60 (Respuded 11/10/84)	
Completion	02/22/60	
Total Depth	4,691'	
Surface Casing	7 5/8" @ 349' 175 sx	TOC: Surface
	Hole Size: 11"	
Production Casing	4 1/2" @ 4,691' 810 sx	TOC: Surface (?)
	Hole Size: 6 3/4"	
Tubing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

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#### North El Mar Unit #27

FORMERLY CONTINENTAL OIL WILDER #22 (NMOCD #?, API# 30-025-082950)

1980' FSL & 1980' FWL Section 26, Township 26 South, Range 32 East Lea County, NM Spud Date: 5/10/60 Completion: 5/21/60



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## Bobby Gray/Gray Pumping 915/943-4397

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	<u> </u>	

### QUAY VALLEY, INC

#### North El Mar Unit #28

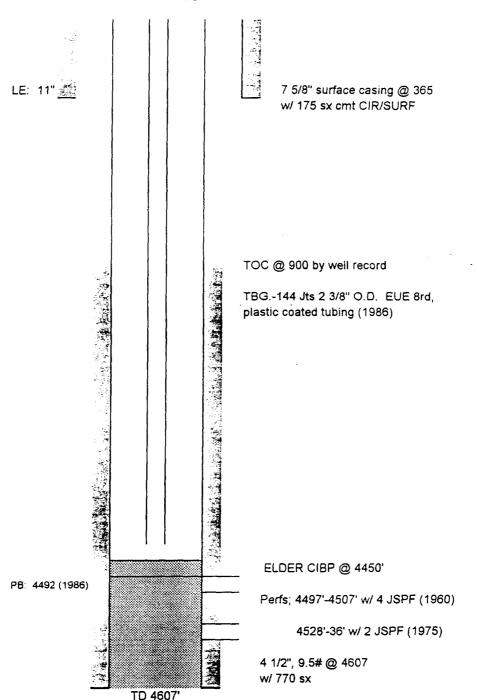
#### FORMERLY CONTINTENTAL OIL WILDER #24

(NMOCD # \_\_\_\_, API# 30-025-082960) Unit H, 1980' FNL x 660' FWL

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



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# Bobby Gray/Gray Pumping 915/943-4397

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'	

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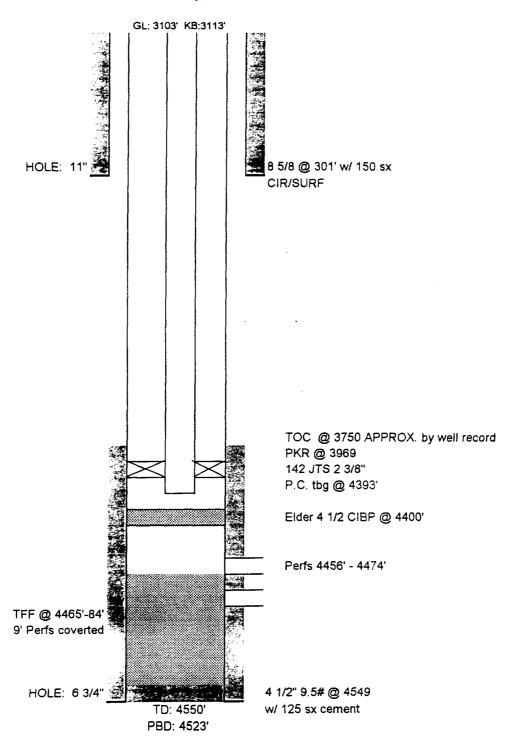
#### North El Mar Unit #29

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



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# Bobby Gray/Gray Pumping 915/943-4397

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' perfs converted
Packer Size & Type	@ 3,969'
Bridge Plug, If one	Elder 4 1/2" CIBP @ 4,400'

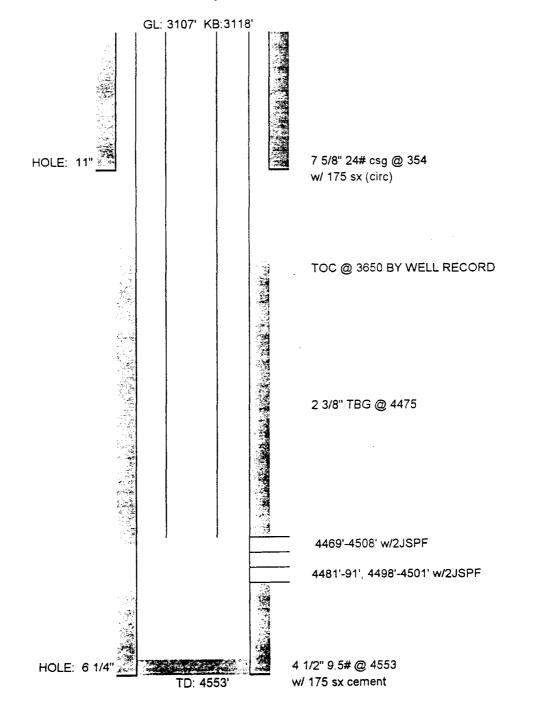
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#### North El Mar Unit #30

FORMERLY CONTINENTAL OIL WILDER #16 (NMOCD #?, API# 30-025-082890)

660' FSL & 660' FWL

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



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# Bobby Gray/Gray Pumping 915/943-4397

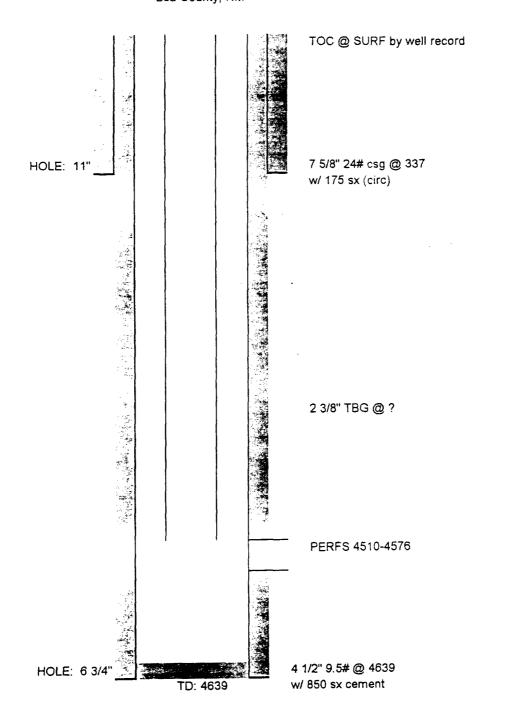
Status	(POW)	Formerly: Wilder #16	
County & State	Lea County, New Mexico	Lea County, New Mexico	
Spud Date:	01/30/60 (Respud 10/30/80	0)	
Completion	02/10/60		
Total Depth	4,553'		
Surface Casing	7 5/8' @ 354' 175 sx	TOC: Surface	
	Hole Size: 11"		
Production Casing	4 1/2" @ 4,553' 175 sx	TOC: 3,650'	
	Hole Size: 6 1/4"		
Tubing Size	2 3/8" @ 4,475'		
Perforations	4,469'-4,508', 4,481'-4,501	1	
Packer Size & Type			
Bridge Plug, If one	Knocked out CIBP @ 4,400' 9/21/95		

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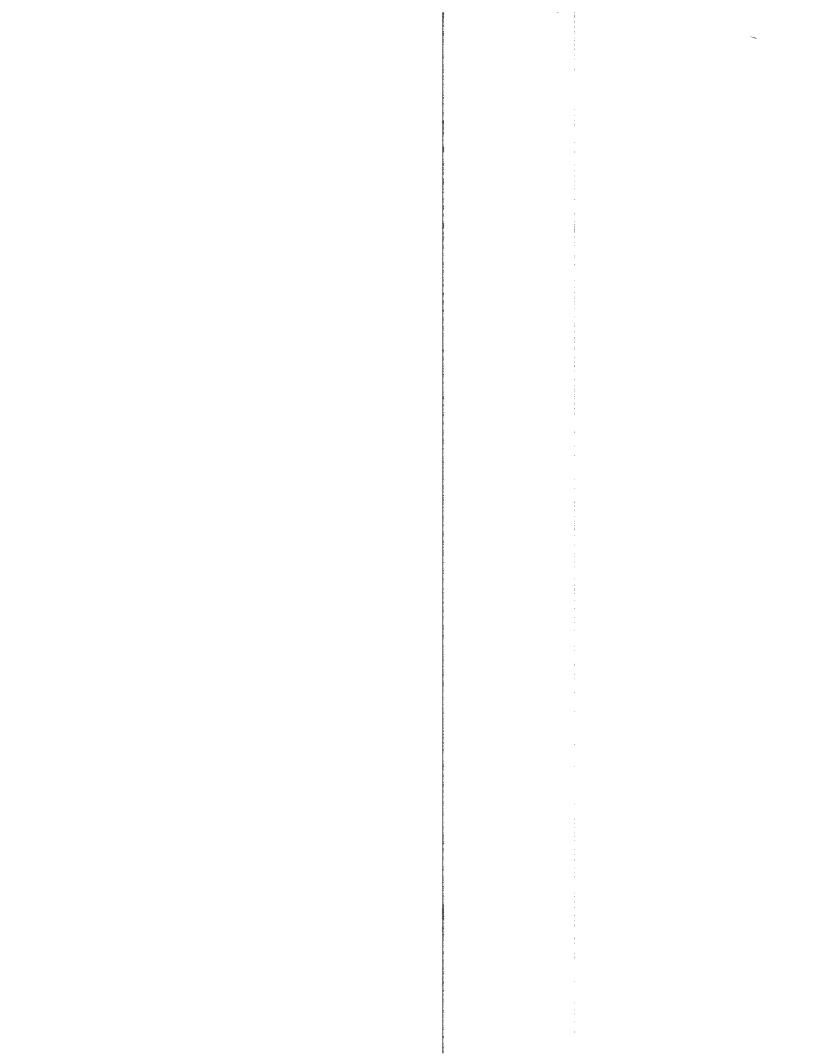
#### North El Mar Unit #32

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



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## Bobby Gray/Gray Pumping 915/943-4397

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		

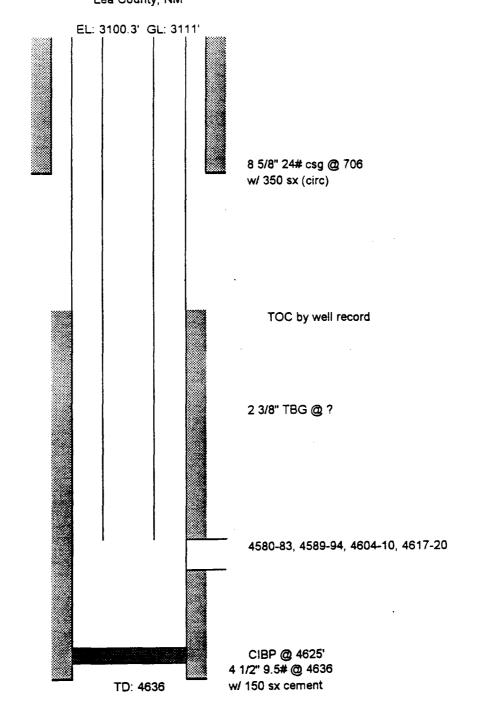
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## **Quay Valley**

## 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



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# Bobby Gray/Gray Pumping 915/943-4397

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'	

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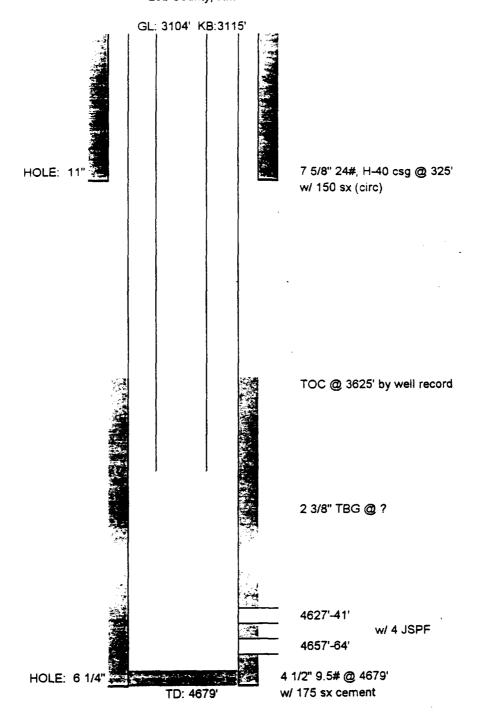
#### North El Mar Unit #36

#### FORMERLY CONTINENTAL OIL WILDER #11

(NMOCD #?, 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



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## Bobby Gray/Gray Pumping 915/943-4397

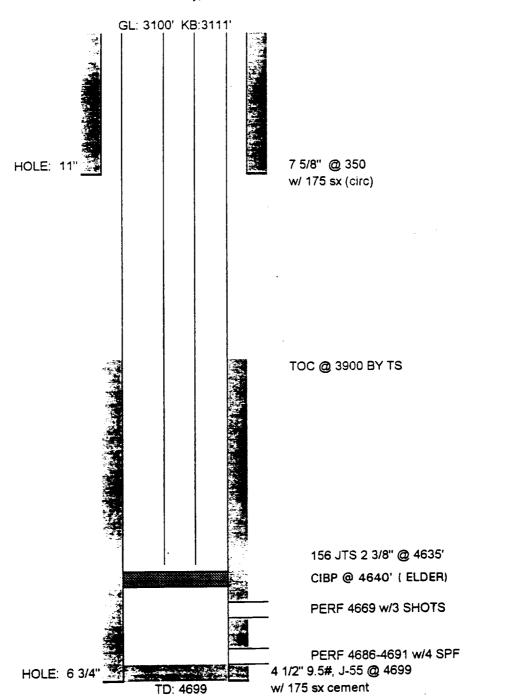
Status	(POW) Formerly: Wilder #11
County & State	Lea County, New Mexico
Spud Date:	09/30/59
Completion	10/11/59
Total Depth	4,679'
Surface Casing	7 5/8" @ 325' 150 sx TOC: Surface
	Hole Size: 11"
Production Casing	4 1/2" @ 4,679' 175 sx TOC: 3,625'
	Hole Size: 6 1/4"
Tubing Size	2 3/8"
Perforations	4,627'-41',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

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#### 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



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## Bobby Gray/Gray Pumping 915/943-4397

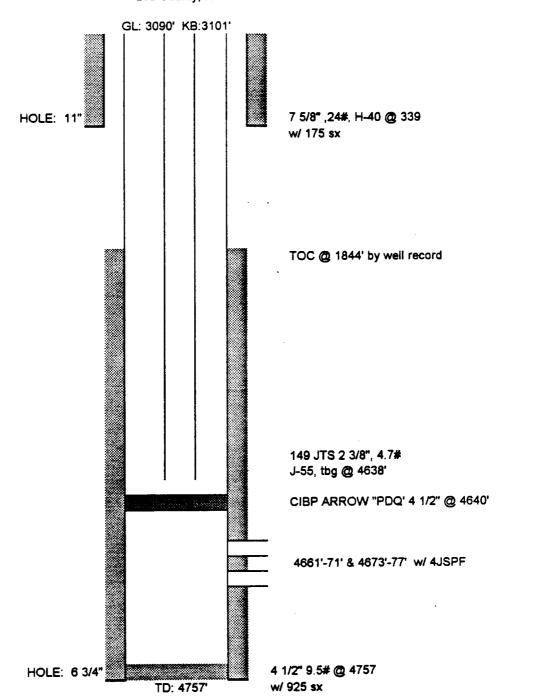
Status	(TA) Formerly: Payne #5	
County & State	Lea County, New Mexico	
Spud Date:	01/20/60	
Completion	01/30/60	
Total Depth	4,699'	
Surface Casing	7 5/8" @ 350" 175 sx TOC: Surface	
	Hole Size: 11"	
Production Casing	4 1/2" @ 4,699' 175 sx TOC: 3,900'	
	Hole Size: 6 3/4"	
Tubing Size	2 3/8" @ 4,635'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

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#### North El Mar Unit #40

FORMERLY CONTINENTAL OIL PAYNE #10 (NMOCD #?, API# 30-025-084390)

660' FNL & 1650' FWL Spud Date: 5/31/60 Completion: 6/13/60 Section 31, Township 26 South, Range 33 East
Lea County, NM



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# Bobby Gray/Gray Pumping 915/943-4397

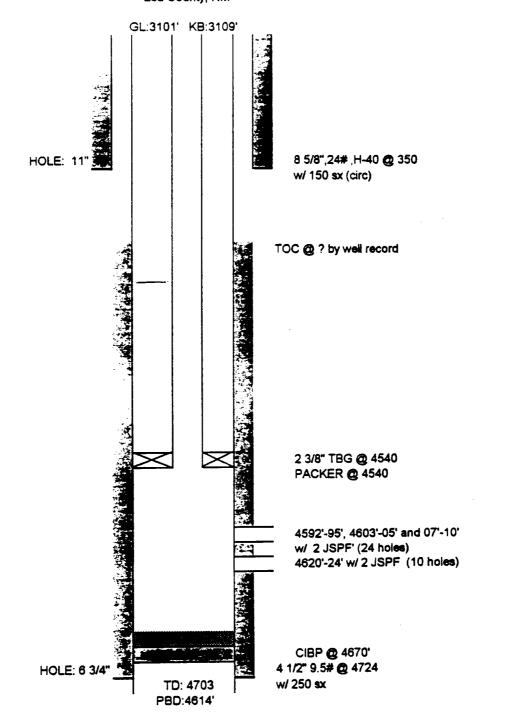
Status	(TA) Formerly: Payne #10	
County & State	Lea County, New Mexico	
Spud Date:	05/31/60	
Completion	06/13/60	
Total Depth	4,757'	
Surface Casing	7 5/8" @ 339' 175 sx TOC: Surface (?)	
	Hole Size: 11"	
Production Casing	4 1/2" @ 4,757' 925 sx TOC: 1,844'	
	Hole Size: 6 3/4"	
Tubing Size	2 3/8" @ 4,638'	
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)	

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## North El Mar Unit #43 FORMERLY KERN COUNTY LAND STATE 36 #2

(NMOCD #?, API# 30-025-083150)

543' FNL & 2108' FWL Spud Date: 6/02/59 Completion: 6/23/59 Section 36, Township 26 South, Range 32 East
Lea County, NM



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# Bobby Gray/Gray Pumping 915/943-4397

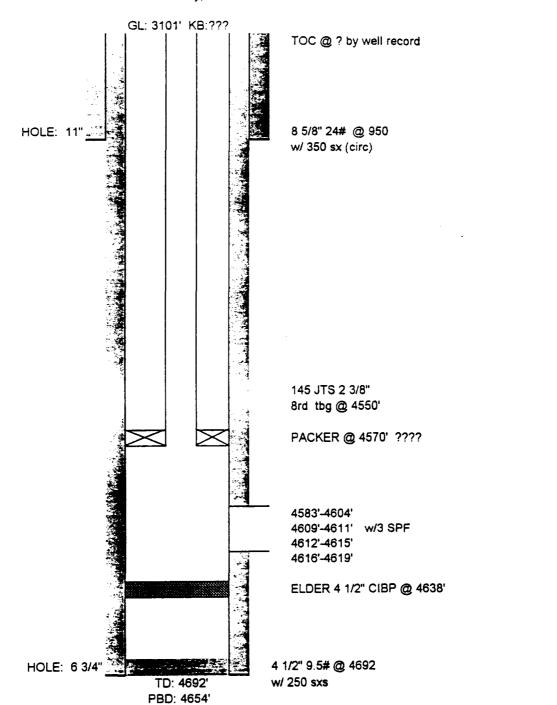
Status	(POW) Formerly: State 36 #2	
County & State	Lea County, New Mexico	
Spud Date:	06/02/59	
Completion	06/23/59	
Total Depth	4,703' PBTD @ 4,614'	
Surface Casing	8 5/8" @ 350' 150 sx TOC: Surface	
	Hole Size: 11"	
Production Casing	4 1/2" @ 4,724' 250 sx TOC: ?	
	Hole Size: 6 3/4"	
Tubing Size	2 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)	

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#### North El Mar Unit #44

FORMERLY KERN COUNTY LAND STATE 36 #1 (NMOCD #?, API# 30-025-083140)

330' FNL & 330' FWL Spud Date: 2/19/59 Completion: 3/1/59 Section 36, Township 26 South, Range 32 East
Lea County, NM



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# Bobby Gray/Gray Pumping 915/943-4397

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'.	

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#### North El Mar Unit #45

FORMERLY CONTINTENTAL 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 TD: 4633 w/ 175 sx

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# Bobby Gray/Gray Pumping 915/943-4397

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)		

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#### 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: HOLE: 11" 7 5/8 csg set at 358' w/ 175 sx (circ) TOC @ 3400 by well record Perfs-4 JSPF 4497'-4506',4510'-4515';4523'-4535' 2 3/8" TBG- 4495' may not include mud anchor

4 1/2 9.5# csg set @ 4554

w/ 175 sx

HOLE: 6 1/4"

TD: 4544'

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# Bobby Gray/Gray Pumping 915/943-4397

Status	(POW)	Formerly: Bradley 35 #3
County & State	Lea County, New Mex	ico
Spud Date:	12/20/59	
Completion	12/29/59	
Total Depth	4,544'	
Surface Casing	7 5/8" @ 358' 175 s	x 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		

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#### 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: 8 5/8 csg set at 301 w/ 200 sx (circ) TOC @ ? by well record 2 3/8" @ 4436 Perfs: 4458-4480

4 1/2 9.5# csg set @ 4547 w/ 125 sx

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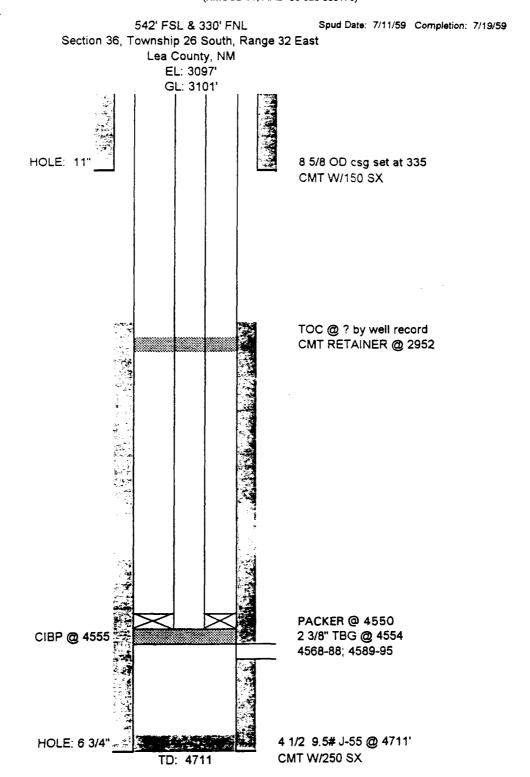
# Bobby Gray/Gray Pumping 915/943-4397

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		

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#### North El Mar Unit #53

FORMERLY KERN COUNTY LAND STATE 36 #4 (NMOCD #7, API# 30-025-083170)



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# Bobby Gray/Gray Pumping 915/943-4397

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'

### North El Mar Unit #55

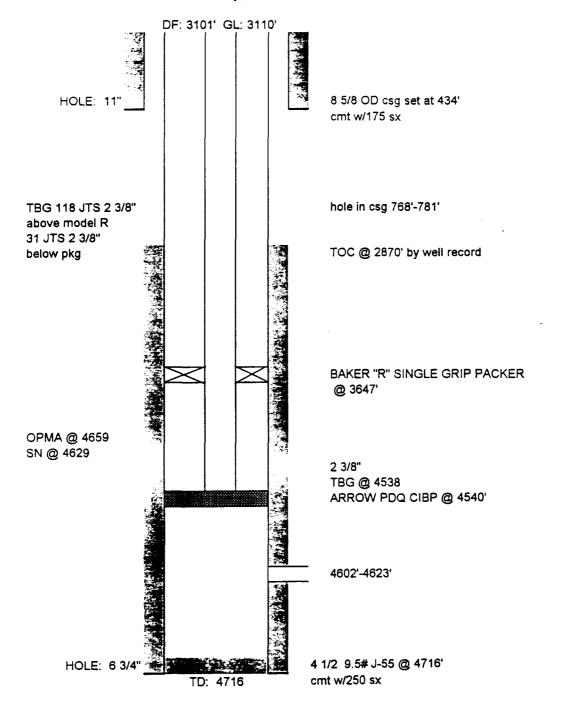
FORMERLY KERN COUNTY LAND STATE 36 #6

(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



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# Bobby Gray/Gray Pumping 915/943-4397

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'	

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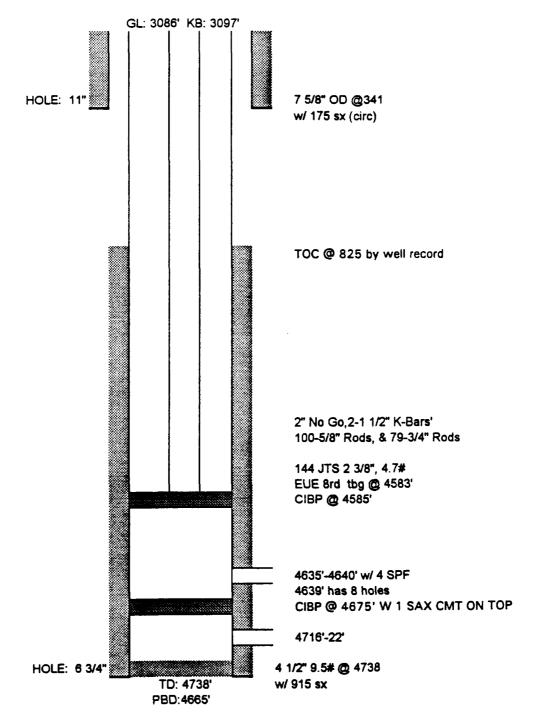
#### North El Mar Unit #56

FORMERLY CONTINENTAL OIL PAYNE #9 (NMOCD #7, API# 30-025-084380)

1935' FNL & 330' FWL Section 31, Township 26 South, Range 33 East

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

Lea County, NM



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# Bobby Gray/Gray Pumping 915/943-4397

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'

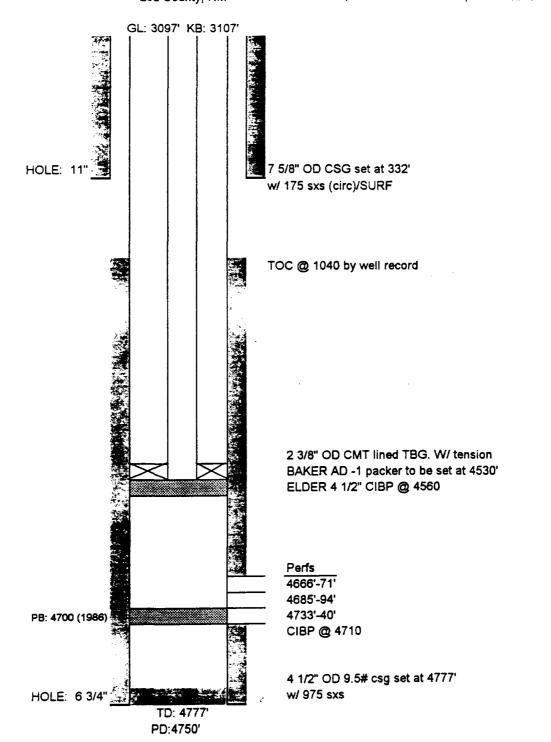
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#### North El Mar Unit #57

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



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### **NORTH EL MAR UNIT #57**

PAGE 1

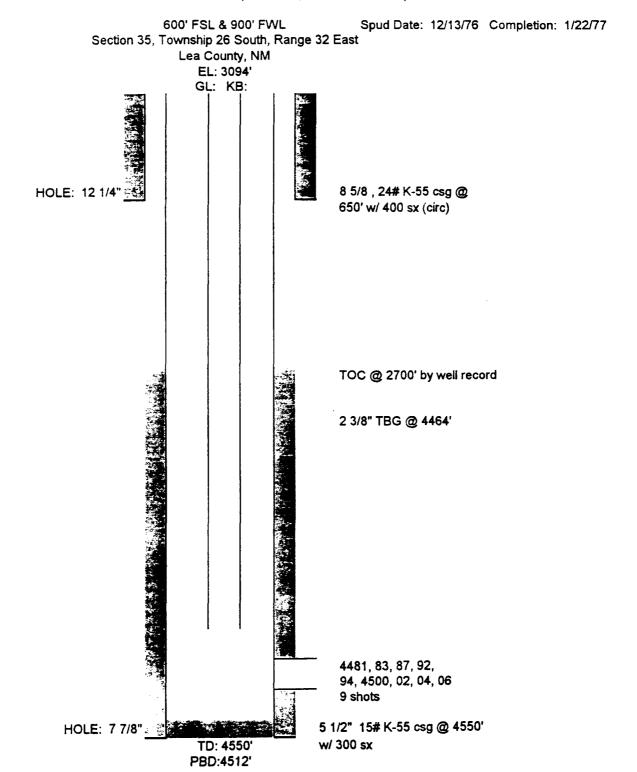
QUAY VALLEY, INC. JULY, 1996 Bobby Gray/Gray Pumping 915/943-4397

Status	(WIWSI)	Formerly: Payne #12
County & State	Lea County, New Me	exico
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' 9	75 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)

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#### North El Mar Unit #59

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



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# Bobby Gray/Gray Pumping 915/943-4397

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		

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### North El Mar Unit #60

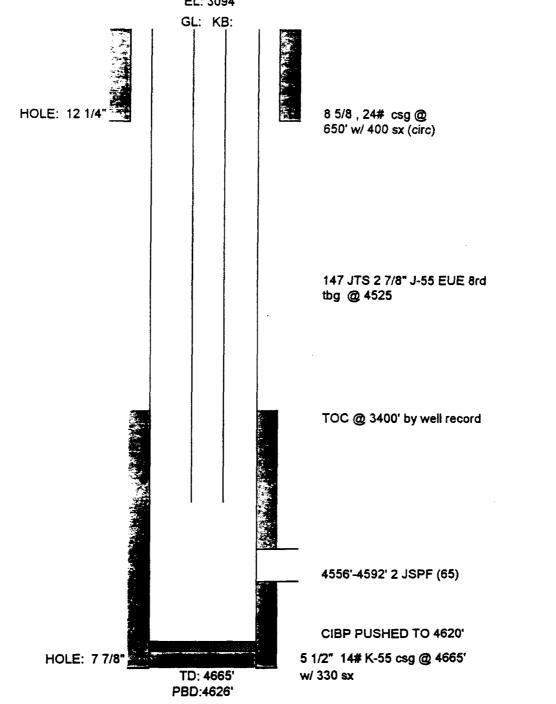
(NMOCD #?, API# 30-025-253900)

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'



## 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)		

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## Quay Valley, INC

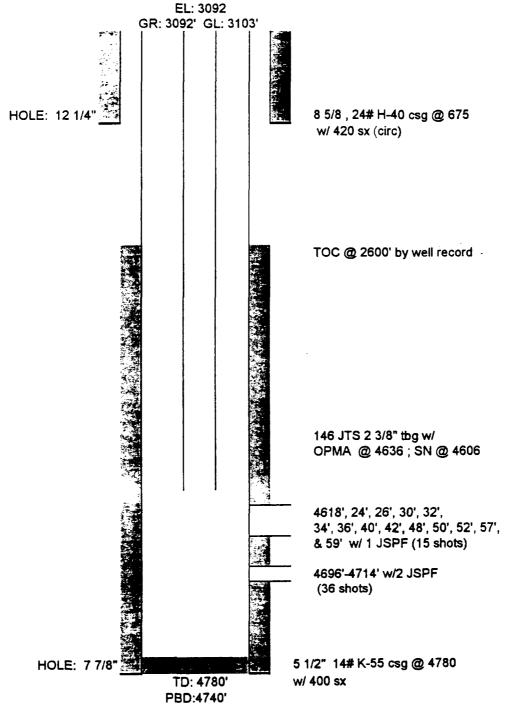
North El Mar Unit #61 (NMOCD #?, API# 30-025-253820)

660' FNL & 330' FEL

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

Section 36, Township 26 South, Range 32 East

Lea County, NM



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## 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 perfs) 4,618', 4,622'-42', 4,647'-59',
Packer Size & Type	
Bridge Plug, If one	

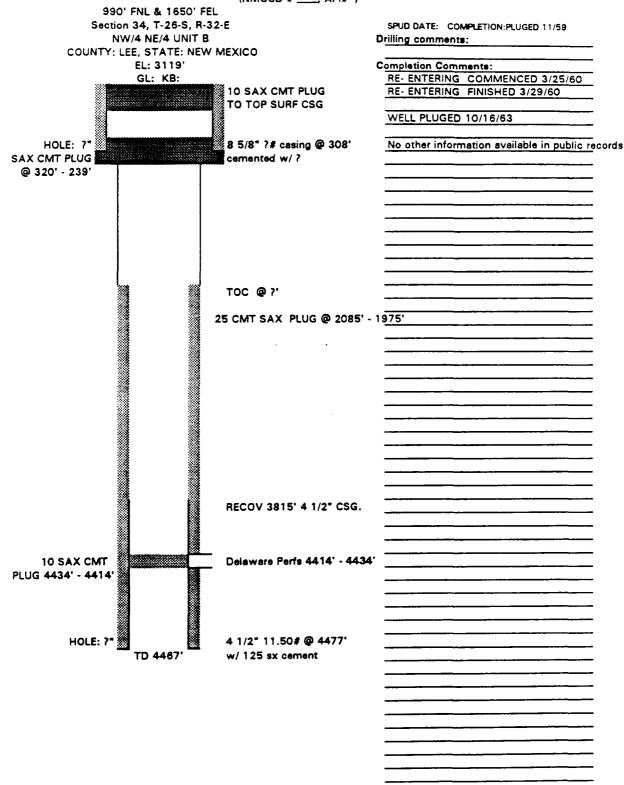
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New Mexico Offset Wells

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## GEORGE L. BUCKLES COMPANY

ELLIOTT - FEDERAL WELL #4
FORMERLY FEDERAL ELIOTT "U" WELL # 1
(NMOCD # \_\_\_\_, API# )



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ACTION OF INVESTIGN TO DRILL		SUBSEQU	ENT REPORT OF WATER SHUT-OFF	
NUTICE OF INTENTION TO CHANGE FLA	บเร	SUBSECUI	ENT REPORT OF SHOOTING OR ACIDI	ZNG.
WETCE OF INTENTION TO TEST MATER	t 3HUT-0FF	2088EON	ent report of altering casing.	
NO LUISO-SE OF HOLTHISTHIS SO 32.10H	R REPAIR WELL	SUBSEQUI	ENT REPORT OF RE-DRILLING OR RE	
STICE OF INTENTION TO SHOOT OR A	ICIDIZE	SUBSEQUI	ENT REPORT OF ABANDONMENT	
CHICE OF INTERTION TO PULL OR AL	TER CASING	SUPPLEM	ENTARY WELL HISTORY.	·
NOCKARA OF INTERFERENCE OF ARABON W	<u>a.</u>	. 1		,
STADICAL)	ATOVE BY CALCK M	<u> </u>	ORT, NOTICE, ON OTHER DATS)	
(INDICAT)	AFOYE BY CALCK M	ARK HATURE OF REF		<u></u>
Elitate-Faderal		ARK MATURE OF REP	ORT. NOTICE, ON OTHER DATE:	
E'inett-Fraktal al No in is locate	á 990 . ft. íre	om. $\binom{N}{2}$ line a	ORT. NOTICE, ON OTHER DATA  Queto Fac. 176.  and 1,650 ft. from (E)	
	d 990 . (t. fed 26-S (1.≢p.)	om. (N) line a	ORT. NOTICE ON OTHER DATA:  October 12,  and 1,650 ft. from (F)  NMEM  (Manual)	ne ré sec

The elevation of the decrick floor above sea level is said to the

#### DETAILS OF WORK

sendas shoje staje, walghta and imptilis of propose i sasinge (milit etc resulting jaha, sem ) polisto, and sil other important proposed work)

Femped 10 sacks of sement across perforations from 4,434 to 4,444. [Short

4-1, 27 ausing at 3, 315 feet. Set 25-sack cement plug from 2,000 to 1,975 feet, Moreau l comean play from 320 to 239 feet and a 10-sack cament plug in top of surface casing.

Placed 4" marker in hole and restored location to original level.

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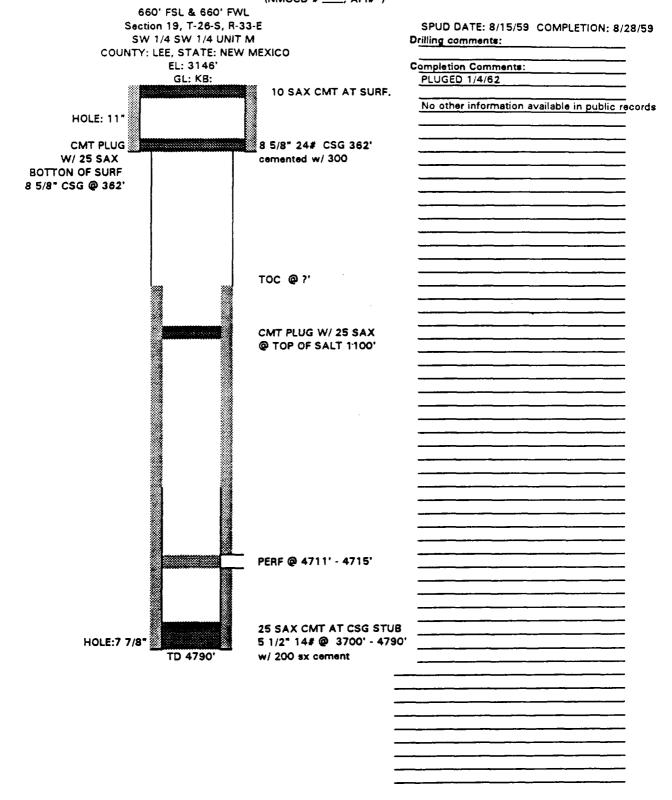
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## MORRIS R. ANTWELL

#### FEDERAL - LITTLEFIELD "DQ" WELL #1

FORMERLY GEORGE L. BUCKLES COMPANY, FEDERAL - LITTLEFIELD "DQ" WELL #1

(NMOCD # \_\_\_\_, API# )



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(SUBMIT IN TRIPLICATE)

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Lag. Cruces\_ Land No. 065880-A

Unit Federal-Littlefield

SUNDRY NOTICES A	AND REPORTS ON WELLS	7. KM
NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF.	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
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	<b>(</b>	
NOTICE OF INTENTION TO SHOOT OF ACIDIZE.		
NOTICE OF INTENTION TO PULL OR ALIER CASING.	1	
NOTICE OF INTENTION TO ABANDON WELL	(F	
A		
(Indicate above by Check Mark	NATURE OF REPORT, NOTICE, OR OTHER DATA)	
	January 4,	192
SW/4 Sec. 19 265 ()( Sec. and Sec. No.) (Twp.)	•	19
El-Kar, (Delaware) (County	or Subdivision) (State or Territory)	-
	2 154.	-
The elevation of the derrick floor above sea lev	vel is 3,100 ft.	
DETAI	LS OF WORK	
The above well has been plugg notice of intention as follow 1. Hole loaded with heavy a 2. 25 sx. cement placed act 3. Shot and recovered 3,700 4. 25 sx. cement plug place 5. 25 sx. cement plug at to	nud. ross perfs 4711-15'. 0' of 5-1/2" casing. ed at 5-1/2" casing stub. op of salt 1100'. ottom of surface 8-5/8" at 362'. regulation marker in surface.	with the
I understand that this plan of work must receive approval in the Company	writing by the Geological Survey before operations may be common	<del>,</del>
AddressP. O. Box 1058	2 + 1/1	4
Hobbs, New Mexico	By Burton Veteto	<u> </u>
	TitleAgent	

## HILL & MEEKER

## GULF FEDERAL WELL #2 FORMERLY

(NMOCD # \_\_\_\_, API# )

660' FSL & 2007' FWL Section 24, T-26-S, R-32-E SPUD DATE: 6/30/59 COMPLETION: 7/8/59 SE 1/4 SW 1/4 UNIT N Drilling comments: COUNTY: LEE, STATE: NEW MEXICO EL: 3143' **Completion Comments:** GL: KB: PLUGED 8/59 10 SAX CMT PLUG SURF & CORE #1 - 4627' TO 4639', RECOVERED 12' GROUND LEVEL VERY TIGHT SAND. NO SHOW CORE #2 - 4639' TO 4704', RECIVERED 65' VERY TIGHT SAND. NO SHOW HOLE: ?" 8 5/8" 24# casing @ 354' 10 SAX CMT cemented w/? PLUG @ 365' No other information available in public records Circ 15 SAX CMT PLUG @ 665' TOC @ ?' 25 SAX CMT PLUG @ 1080' 25 SAX CMT PLUG @ 4617' DRILLED TO A TD OF 4627' HOLE: ?" 7" 7 # @ ?" TD 4704'?' w/? sx cement

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## HISTORY OF OIL OR GAS WELL ...

BUFERU OF LAND MANAGEMENT . TO

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 "sldetracked" 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 46271. Mark a make a second sees Cere #1 = 4627 to 4639, recovered 12: very tight sand. No Shows.

Core #2 - 4639 to 4704, recovered 651 very tight sand. No shows.

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

Cement Plugs at:

- 10 sks at Surface and Ground Tevel
- 10 sks at 3651.
- 25 sks at 1080:.
  25 sks at 4617: 31 of new teact on them. The moments of the first makes another and the control of the cont

GEORGGICATE TOPS : Latte of the complete and any more of the complete and

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Red beds 85:
Rustler 655:
Salado 1080:
Castile 3138:

Delaware Sc. 46171

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## HILL & MEEKER

## GULF FEDERAL WELL #3 FORMERLY

(NMOCD # \_\_\_\_, API# )

1650' FSL & 330' FEL Section 24, T-26-S, R-32-E SPUD DATE: 10/17/59 COMPLETION: 10/25/59 NE 1/4 SE 1/4 UNIT I **Drilling comments:** COUNTY: LEE, STATE: NEW MEXICO EL: 3152' Completion Comments: GL: KB: PLUGED 3/61 10 SAX CMT PLUG SURF & CORE #1 - 4706' TO 4767' RECOVERED 61' GROUND LEVEL LAMINATED SAND THE TOP 4' HAD SLIGHT SHOWS HOLE: ?" No other information available in public records 10 SAX CMT cemented w/? PLUG @ 360' Circ 15 SAX CMT PLUG @ 695' TOC @ ?' 25 SAX CMT PLUG @ 1080' 25 SAX CMT PLUG @ 4710' TOP OF DELAWARE DRILLED TO A TD OF 4706' HOLE: ?" ?" ? # @ ?' TD 4767' w/ ? sx cement

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## 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 NE/4 SE/4 UNIT I COUNTY: LEE, STATE: NEW	2-E	SPUD DATE:12/15/59 COMPLETION:PLUGED 12/59 Drilling comments:
EL: 3124'	MILAICO	Completion Comments:
GL: KB:		NO DRILLING OR PLUGING INFO.
HOLE: 7"	8 5/8" 20# casing @ 275' cemented w/ ? Surf.	No other information available in public records
	TOC @ ?'	
	Delaware Perfs ?	
HOLE: ?" TD 4550'	41/2" 9.5# @ 4550' w/ 125 sx cement	
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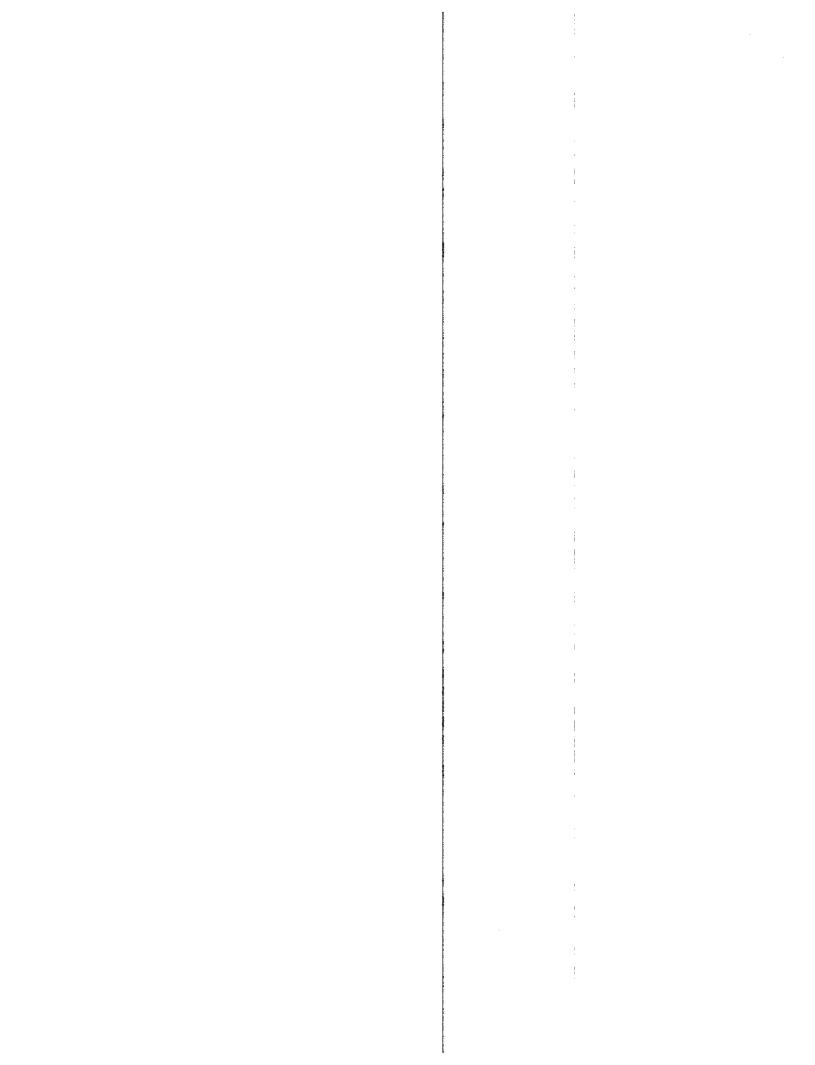
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		GEOLO	GICAL SURVE		DEC 1 2 10
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S	UNDRY NO	TICES A	ND REPO	ORTS ON WE	U. S. GEDEUELUAL L <b>ies</b> ess, New Me
NOTICE OF INTENT	ION TO DRILL		SUBSEQUENT F	REPORT OF WATER SHUT-OFF.	
NOTICE OF INTENT	ION TO CHANGE PLANS		SUBSEQUENT R	EPORT OF SHOOTING OR ACL	DIZING
NOTICE OF INTENT	ION TO TEST WATER SHE	/T-0FF	SUBSEQUENT R	EPORT OF ALTERING CASING	
•	ION TO RE-DRILL OR RE	1	(1	EPORT OF RE-DRILLING OR R	EPAIR
	ION TO SHOOT OR ACID!			EPORT OF ABANDONMENT	
	ion to pull or alter ion to abandon well	CASING	SUPPLEMENTAR	RY WELL HISTORY	
NOTICE OF INTENTS	ON TO ABANDON WELL.				
	(INDICATE ABO	VE BY CHECK MARK	NATURE OF REPORT.	NOTICE OR OTHER DATA)	
					_
				December 9	19.5
		(Twp.) (	Range)	(Meridian)	
O( Sec. and Se El Mar-Del	3452.0	Lo	Sandinian)	Mary Mary	deo
() See, and Se El Har-Del (Field)	3452.0	, ,	8ubdivision) el is 312h ft	State or To	des rritory)
(Field)  (Field)	f the derrick floor	above sea lev	el is 3126 ft	•	•
Fig. Far-Del (Field)  the elevation of the proposal is 275 feet and into the Delib, casing the through treatment.	the derrick floor  spected depths to object to set 8-5/8 id circulate collegare sand to at total depth perforations	DETAIL OF TOTAL OF TO	el is 312h ft LS OF WORK  a weights, and lengther important propo- to easing in  a surface.  syth of 1550  a with 125 a  Lasare forms  cored and 1	to red bed forms to red bed forms To drill approxi feet. To set is sacks of commit- tion after said	tion approximately 100 femiliary 100 femilia

GPO 8 520 40

Chief Engineer

Title ...



#### 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 15 MMCF

(0.50 MMCF/WELL) (0.75 MMCF/WELL)

WATER VOLUME 2400 BWPD 4700 BWPD

(100 BWPD/WELL) (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

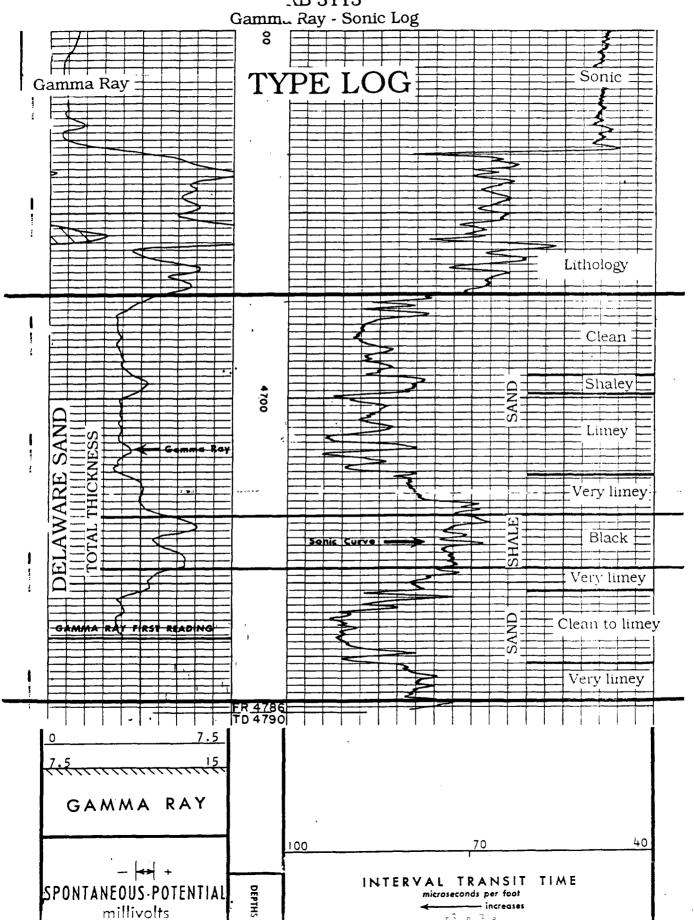
(EXISTING CO2 PIPELINE)

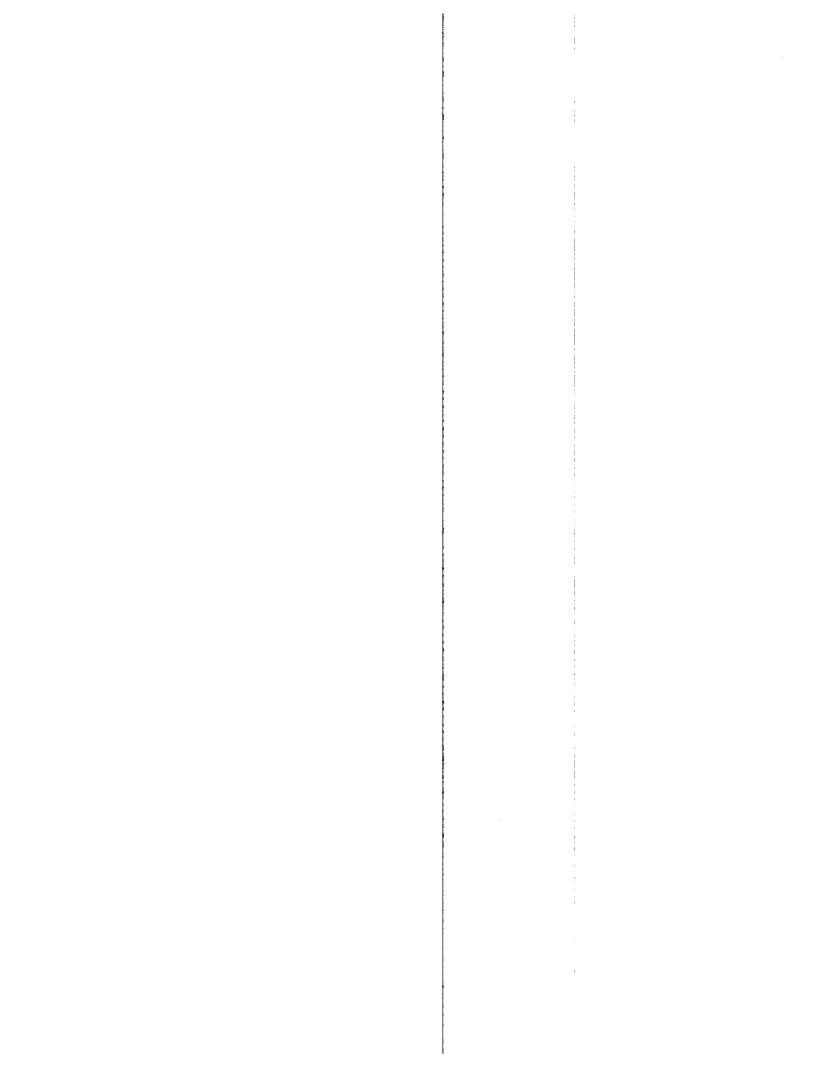
5. IF INJECTION IS FOR DISPOSAL PURPOSES INTO A ZONE NOT PRODUCTIVE OF OIL OR GAS AT OR WITHIN ONE MILE OF THE PROPOSED WELL, ATTACH A CHEMICAL ANALYSIS OF THE DISPOSAL ZONE FORMATION WATER, (MAY BE MEASURED OR INFERRED FROM EXISTING LITERATURE, STUDIES, NEARBY WELLS, ETC.).

NOT APPLICABLE.

# Quay Valley, Inc. #39 NEMU

(Conoco # 11 Payne Federal) Section 30N, T26S, R33E ICB 3113'





## NEMU UNIT FM

FORM C-108							<u> </u>		<u> </u>
VIII	GEOLOGIC DATA	ON IN I	CTION ZONI	<u>;</u> F	<del> </del>	-			-
	NORTH EL MAR UN		Lea County		ico	<del>'</del>			
Т	he injection zone for t					re Sand uni	<u>.                                    </u>		
	Delaware Sand unit is								
	nd is of Permian age.							<del> </del>	
and its appr	oximate thickness is 1	10 feet.							
	he unitized Delaware						any		
	Agreement, dated Ju-								
	672' and 4782' in the							!	
	and 660' FSL, Section							-	
Sonic log of	said well run on July	21, 1960	. A copy of th	at log is in	ciuded as o	our Type Lo	g	<del>!</del>	_
	TYPELOG	FOR LIN	ITIZED DELA	WARE SA	AND		i	<del> </del>	
Lea County	Well Name	: KB	Location		laware San	<u>.                                    </u>	!	+	
Operator	TVEH IVALLIE	TD	LOCATION	Тор		Thickness	<u></u>	<del></del>	
Оролисон		1.0	1	Subsea	Subsea	THERICOS		<del> </del>	
Quay Valley Inc	#39 NEMU	3113	30N26S33E	4672	<del></del>	110'			
(Conoco)	#11 Payne Federal	4786'		-1559					
· · · · · · · · · · · · · · · · · · ·		!							
					1				
	- IN	<b>JECTIO</b>	N WELLS						
Quay Valley Inc	. #2 NEMU	3149	24P26S32E	4696		68'			
(Hill & Meeker)	#1 Gulf Federal	4790'		-1547	-1615				
	1	·			! !			<u> </u>	
Quay Valley Inc			30D26S33E		> 4700	22'+			
N.G. Penrose	#1 Brown Federal	4704'		-1533	-1555			-	
Quay Valley Inc	#C NEMI	3130	25B26S32E	4644	> 4686	42'+		+	
(Conoco)	#9 Wilder Federal	4696'	230203321	-1514			<del> </del>	+	
(conoco)	irs vincer receian			1311	1330			<u> </u>	
Quay Valley Inc	.#8 NEMU	3133	25D26S32E	4629	> 4684	55'+			
(Conoco)	#23 Wilder Federal	4684'		-1496	-1551				
		;							
Quay Valley Inc			26F26S32E		> 4565	47'+			
(Conoco)	# 27 Wilder Federal	4583'		-1398	-1449				
	)	· · · · · · · · · · · · · · · · · · ·							
Quay Valley Inc			26H26S32E	<del></del>		57'+			
(Conoco)	# 21 Wilder Federal	4652'		-1474	-1531			+	
Quay Valley Inc	#14 NEMII	2122	25F26S32E	4615	> 4657	42'+		<del>                                     </del>	
(Conoco)	#6 Wilder Federal	4665'	EJ1 20032E	-1482				-	
(3011000)	o made i cadial	1,000		02	1321			+	
Quay Valley Inc.	#16 NEMU	3130	25H26S32E	4642	> 4696	54'+		· · · · ·	
(Conoco)	#10 Wilder Federal	4697'		-1512					
Quay Valley Inc			30F26S33E		> 4831	116'+		-	
(Conoco)	#8 Payne Federal	4830'		-1578	-1694			<del> </del>	
	1100 NIST 111	:	201 2 225 2 =	1075	4700	401		-	
Quay Valley Inc			30L26S33E		> 4720	49'+			
(Conoco)	#3 Payne Federal	4719'		-1549	-1598			+	
Quay Valley Inc.	#22 NEMI	3122	25J26S32E	4619	> 4720	101'+	<u> </u>	+	
(Conoco)	#7 Wilder Federal	4719'	53150335E	-1497				+	_
(0011000)	THE THINGS I CUCIAI	1113		1 731	, , , , ,	<del></del>			<del></del> -

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### NEMU UNIT FM

	VIII Page 2	·	<u> </u>		ı			
Lea County	Well Name	KB	Location	De	laware San	d		
Operator		TD		Тор	Bottom	Thickness		
				Subsea	Subsea			
Quay Valley Inc		3118	25L26S32E	4595	> 4644	49'+		
(Conoco)	#3 Wilder Federal	4644'	!	-1477	-1526			
	!	:		1			1	
Quay Valley Inc			26J26S32E	4538	4628	90'		
(Conoco)	# 20 Wilder Federal	4643'	1	-1426	-1516			
			1					k f
Quay Valley Inc			26L26S32E			57'+		
(Conoco)	# 24 Wilder Federal	46071	i	-1386	-1441			
· · · · · · · · · · · · · · · · · · ·		<u> </u>	<u> </u>	1				
Quay Valley Inc			27P26S32E		4520			
(GL Buckles)	# 3 Elliott Fed	4550'		-1358	-1421		!	
		· 						
Quay Valley Inc			26N26S32E		4587			
(Conoco)	# 19 Wilder Federal	4641		-1386	-1478			
	<u> </u>	!			<u></u>			
Quay Valley Inc			26P26S32E		> 4638			1
(Conoco)	# 1 Wilder 26 Fed	4640'		-1470	-1525		<u> </u>	i
	<u> </u>	<u> </u>						
Quay Valley Inc			25N26S32E			56'+		<u> </u>
(Conoco)	#2 Wilder Federal	4656'		-1486	-1538	·	·	
	<u> </u>						<del></del>	<u>;    .                              </u>
Quay Valley Inc			25P26S32E			49'+		<u> </u>
(Conoco)	#12 Wilder Federal	4683'		-1508	-1557		<del></del>	
				40-0	4700			
Quay Valley inc			30N26S33E		4782			
(Conoco)	#11 Payne Federal	4786'	·	-1559	-1669			
	444 1514	2105	210266225	4620	4720	1001		<del></del>
Quay Valley Inc			31D26S33E		> 4738			
(Conoco)	#7 Payne Federal	4742'		-1533	-1633			
0 1/11	#42 1/51	2115	260266225	4616	4604	COL		
Quay Valley Inc			36B26S32E			68'+		
(Hill & Meeker)	#3-36 State	4721'		-1301	-1569		<del></del>	
Quay Valley Inc	HAC NENDI	2100	35B26S32E	4550	> 4606	47'+	<del></del>	<del></del>
<u> </u>	<del>+</del>	4608'	330203325	-1451	-1498			<del></del>
(Conoco)	#4 Bradley 35 Fed	4600		-1731	-1430	<del>i-</del>	<del>-   -</del>	
Quay Valley Inc	#40 NEMI	2106	35D26S32E	4472	> 4518	46'+		
(Conoco)	#2 Bradley 35 Fed	4523'	33020332L	-1366		70 +		i
(COHOCO)	TEU DIAMIEY 33 FEU	TJZJ		1300	1716			<del>i</del>
Quay Valley Inc	#50 NEMU	3002	34H26S32E	4449	> 4532	84'+		
(GL Buckles)	#1 Elliott Fed	4550'	J-1120332E	-1356			<del></del>	!
(OF DOCKIES)	# I LINOCCTED	7330		1330	7 7 10			<u> </u>
Quay Valley Inc	#51 NEMII	3112	35F26S32E	4506	> 4556	50'+		
(Conoco)	#6 Payne Federal	4559'	JJ. 200022	-1394	-1444			
(03/1000)	o rayo rodorar	+ 333						
Quay Valley Inc	#52 NEMU	3097	35H26S32E	4566	> 4614	48'+	<del></del>	
(Conoco)	#1 Payne 35 Fed	4620'	JJ.12JJJEE_	-1469	-1517			
(33,1000)	rayno 33 rou	+ 320		1.00				
Quay Valley Inc	#54 NEMII	3101	36F26S32E	4588	> 4660	72'+		
(Hill & Meeker)		4750'		-1487				
( a meeker)		1,,30					<del></del>	

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#### NEMU UNIT FM

FORM C-108	VIII Page 3	:	·	<del>;</del>			·	<del></del>	<u> </u>
Lea County	Well Name	KB	Location	De	laware San	d	+	<del> </del>	<u> </u>
Operator	<u> </u>	TD		Тор		Thickness	<del></del>	<del>                                     </del>	-
	<del> </del>	+	<del> </del>	Subsea	Subsea		!		
Quay Valley Inc	#57 NEMU	3108	31F26S33E	4656		107'	<b></b>	<del> </del>	
(Conoco)	#12 Payne Federal	4777'		-1548		<del></del>	<del> </del>	<del>†</del>	
<u> </u>	<del>                                     </del>						<u> </u>	1	1
Quay Valley Inc.	#58 NEMU	3107	36D26S32E	4582	4686	104'		1	<u> </u>
(Conoco)	<del> </del>	4750'		-1475				<del> </del>	-
·		1	:	;	ļ		<del>                                     </del>	<del>                                     </del>	1
Quay Valley Inc	#62 NEMU	3101	36H26S32E	4614	4718	104'		1	<u> </u>
(Conoco)		4750'	!	-1513	-1617				1
		1					!		
> m	eans greater than			1	T		:		<del> </del>
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	UNDERGROUND SO	OURCES	OF DRINKIN	G WATFI	R				
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	12200 117711 10,000 1	,		<del>                                     </del>	<del> </del>			<del> </del>	<u> </u>
<del></del>	OVERLYING NORTI	H EL MA	AR LINUT	<del>                                     </del>	1		<del></del>	<del> </del>	<del> </del>
				rinkin-	on in fa	in the Door		!	-
	verlying the North El M	ar Unit, I	unaergrouna a	rinking wat	er is round	in the Rust	ler	-	
	between 100 and 20							<del></del>	-
	the North El Mar Unit.	ine clos	est water well	is the Kati	ciesnake 2	3 #1, locat	ea		1
in Section 28	3, T-26-S, R-33-E.	ļ							
					1			<del> </del>	
·	UNDERLYING NOR				1				
Ur	nderlying the North El	Mar Unit,	there are no	known sour	rces of drin	king water.			L
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†		

FORM C-108		1								
XII	FAULTS OR OTHER HYDROLOGIC CONNECTIONS									
	·									
1	have examined	the available g	eologic and eng	ineering data in	the North					
			of open faults							
connection	between the di	sposal zone an	d any undergrou	ind source of dr	inking water.					
	•									
	Wusu	Jul								
	William G. Wats	son,								
	Consulting Geo	logist								

## QUAY VALLEY, INC.

## C-108 REQUIREMENT - X

LOGS: ON FILE AT OCD

FILED WITH EACH WELL AT TIME OF COMPLETION.

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1 2 1

Texas Offset Wells

1

#### **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 SPUD DATE: 7/19/61 COMPLETION: 8/30/61 County: LOVING, State: TEXAS Drilling comments: EL: 3088' GR GL: KB: **Completion Comments:** Plug back date: 4/11/97 Completed: 4/30/97 Well Type WIW No other information available in public records HOLE: 12 1/4" 8 5/8" 32# casing @ 548' cemented w/ 275 sxs Circ to surf. TOC @ 1686' 1.9" PC TBG @4350" PACKER @ 4355' 2 7/8" Liner :Surf. To 4380' 310 sax Delaware Perfs 4461' - 4480' PBD 4524' 4 1/2" 11.6 # @ 4554" HOLE: 6 3/4" w/ 300 sx cement TD 4554'

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Comments of the Comments of th	

tv La ing wells o	his well	Deeper		] ;	Plug Back		ther		25. Perm Plug Deep	Back o en		DATE 7/19/		RM
to Drill to to La	his well	·			ag Dack		m1C1							
tv La ing wells o	nd C	l was filed							Rule	37				CA
ing wells o			in Name	of					Exce	ption				
ing wells o									Wate	r inject	ion		P	RN
r) includin									Perm					
	n this g this '	iease in Well		tal num this lea	nber of acre use	<b>*</b> 5					Disposai		P	RM
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epening.	. Co	mmenced	Com	pieted		140	st wei	11	- Othe	r			P	RN
ıg				<b>,</b>		e Lease & Re								
31. Location of well, relative to nearest lease boundaries of lease on which this well is located			·		From			Liz	ne and		Feet	_		
PT CP F	TC 1	<del></del>		.!	33 Was			·					Leas	<u>:</u>
. K1. GR. 5	. 1 C.1								<del>"</del> [	Yes	;	× No		
5. Total Dep	pth	36. P. B. D	epth					Recomme	ndation of	T.D.W.E		]   Dr. of L	etter	
4554						Rules	~	Railroad	Commissio	n (Spec	tal)			_
npletion?				list all	reservoir n	ames (comp)								
	"			RESER	RVOIR					***		by:	1 1001	1
ntractor							┼					42. Is Cem	enting Aff	L dav
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													res L	$\subseteq$
	·	<del></del>	CAS	ING R	ECORD (Re	port All Stri	ngs S	et in Well	)			·——-		_
₩T <b>=</b>	/FT	DERT	u set	M	ULTISTAGE	TYPE	AM	OUNT	HOLE SIZ	·F	TO	OP OF	SLUR.	YY.
		<u> </u>		π	OL DEPTH	E CEME	NT (s	acks)	11012 312		CE	MENT	CL	ft.
		548		<u> </u>					121/2		<u>Ci</u>	<u>-c  </u>		
9.5#		4554		↓		250A	<u>50</u>	<u>Latex</u>	6-3/4					
		<u> </u>		<del>  -</del>	<u> </u>				<del></del>	_		!		
								<del>-</del>						
		TO 8						<del></del>	Saaks Ca			<del></del>	Screen	
				<del></del>		Bottom		1	Sacks Ce	1136111		<del></del>	30,000	
												<del>†</del>		
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TUB	ING RE	CORD				46. Producir	g Inte	rval (this	completion	) Indic	ate dept	h of perforat	lon or ope	ת נ
	Depth S	Set	P	acker S	et	From					To			
	4257		42	257		From 44	61				То	4469	<u> </u>	
						From					To			
						From					То			
			ACID	SHW	T FRACTIE	F CEMENT	SOU	FFZF FT						_
	Depth I	nterval	ACIL	7. 300	I. FRACTOR	CENERY:	- J- J- J- J- J- J- J- J- J- J- J- J- J-			d Kind	of Mate	nal Used		
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	RMATIC	ON RECORE			OF PRINC	IPAL GEOLO	GICAL			KMATI	UN TOP			
n <b>5</b>		1156		pth				rormatio	115					
		4436	· 											
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								OI VET	<u>u uU</u>	<u>.</u>	<u>ا ضيد                                      </u>	<u>, , , 1</u>		_
<u> </u>	<u></u>	يد ټايد ويد دم	<u> </u>		<u> </u>	. <u>.,, ,                            </u>								_
	NRT. GR. 5 S. Total De 4554 Inpletion?  WT = 32# 9.5#	TUBING REDepth 4 257  Depth 1  FORMATIONS	## A ST C.   36. P. B. E. 4554	ACIL Depth   36. P. B. Depth   4554   4524   4524   10   10   10   10   10   10   10   1	CASING R  CASING R  TOP  TUBING RECORD  Depth Set Packer S  4257  ACID. SHOT  Depth Interval  PKR @ 4257 W/PC TBG. Inst	33. Was than 35. Total Depth 36. P. B. Depth 37. Surface Cas Determined 4554 4524 Surface Cas Determined 4554 4524 Surface Cas Determined 4554 A524 Surface Cas Determined 4554 A524 Surface Cas Determined FIELD & RESERVOIR Surface Cas ID No. FIELD & RESERVOIR Surface Cas Determined FIELD & RESERVOIR Surface Cas Depth Set MULTISTAGE TOOL DEPTH 32# 548 Surface Cas MULTISTAGE TOOL DEPTH 32# 548 Surface Cas MULTISTAGE TOOL DEPTH 32# 548 Surface Cas MULTISTAGE TOOL DEPTH 32# 548 Surface Cas MULTISTAGE TOOL DEPTH 32# 548 Surface Cas Depth Set MultiStage Reservoir FORMATION RECORD FIELD & RESERVOIR Surface Cas Depth Set MultiStage Reservoir FORMATION RECORD (LIST DEPTHS OF PRINCE Depth Interval Depth Interval Surface Cas Depth 4456 Surface Cas Depth 4456 Surface Cas Depth Set MultiStage Reservoir FORMATION RECORD (LIST DEPTHS OF PRINCE Depth 4456 Surface Cas Determined 4554 Surface Cas Determi	RT. GR. ETC.)  33. Was directional is than inclination of the contribution of the cont	ACID. SHOT. FRACTURE. CEMENT SQUE	ACID. SHOT. FRACTURE CEMENT SQUEEZE. ETC.  33. Was directional survey made ofth than inclination (Form W-12)?  34. Total Depth 45.2.4	ACID. SHOT. FRACTURE. CEMENT SQUEEZE, ETC.  33. Was directional survey made other than inclination (Form W-12)?  34. Total Depth   45.54	ACID. SHOT. FRACTURE. CEMENT SQUEEZE. ETC.  S. Total Depth   36. P. B. Depth   37. Surface Casing Determined by: Field   Recommendation of T.D.W.; Rules   Resommendation of T.D.W.; Rules   Recommendation of T.D.W.; Rules   Resommendation of T.D	33. Was directional survey made other than inclination (Form W-12)?  35. Total Depth 36. P. B. Depth 37. Surface Casing Determined by: Field Field Professional Survey (Field Professional Survey) (Field Professional Survey) (Field Professional Survey) (Field Professional Survey) (Field Professional Survey) (Field Professional Intrins well and Oil Lease or Gas ID No. FIELD & RESERVOIR (Field Depth Set Included Professional Intrins well and Oil Lease (Field Gas-O) (Field Professional Intrins well and Oil Lease (Field Gas-O) (Field Professional Intrins well and Oil Lease (Field Gas-O) (Field Professional Intrins well) (Field Gas-O) (Field Professional Intrins well) (Field Gas-O) (Field Professional Intrins well) (Field Gas-O) (Field Professional Intrins well) (Field Gas-O) (Field	Casing Record (Report All Strings Set in Well)   Solution   Solu	Class   Case

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# RAILROAD COMMISSION OF TEXAS Oil and Gas Division

Oil	and	Gas	Div	/isi	מס.		
		5	_	9	-	9%	

					API No.	42- 30	1-00151	7. RRC District N	0.
Oil Well Poten	tial Test, Compl	etion or	Recomplet	ion Report,	and Lo	g		8. RRC Lease No	
1. FIELD NAME (as per RR	C Records or Wildow		2. LEASE NA	w <del>E</del>	- <del></del>			21246	
El Mar (Delaware)	C Records of Wildest)		1						
3. OPERATOR'S NAME (E	xactly as shown on P-S C	Prosnization		elaware/Unit RRC Oc	perator No.			1112 10. County of well	site
3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3	, as 31,0 × 1, 61, 1 5, 6		in porty	1					
Burlington Resour	ces Oil & Gas Соя	ynsa		1093	38			Loving	
4. ADDRESS		<u> </u>						11. Purpose of filin	·g
P.O. Box 51810 M				·	.— <u>-</u>			Initial Potential	
5. If Operator has changed w	ithin the last 60 days, nan	ne the former	roperator						
6a. Location (Section, Block	and Survey)		6b. Distance a	nd direction to nea	rest town in	n this co	ounty.	Retest	لـــا
4 54	T & F	,	ł.	s northeast				Reclass	
12. If workover or reclass, gi				GAS ID or	Oil -	0	WELL NO.		<u> </u>
FIELD & RESERVOIR				OIL LEASE #	Gas -	G		Well record only	X
								(explain in Remar	ks)
13. Type of electric or other	log run				1	•	n or recompletio	n date	
	·				4/.	30/97	<del></del>		
SECTION I: POTENT	IAL TEST DATA	IMPOR	RTANT: Test	should be for 2	24 hours	unless	otherwise sp	ecified in field rule	es.
15. Date of test	16. No. of hours tested		Production meth	od (Flowing, Gas				8. Choke size	
			Size & Type of	pump)					
19. Production during	Oil - BBLS	Gas	- MCF	Water - BB	LS	Ga	s - Oil Ratio	Flowing Tubing Pro	
Test Period						21 6	1 DY 601	6-2-5	PSI
20. Calculated 24-	Oil - BBLS	Gas	- MCF	Water - BB	r?   ,	Jii Grav	vity - API - 60*	Casing Pressure	DO.
Hour Rate  21. Was swab used during this			27 Oil produced	prior to test (New	& Paworka	d walls	· 12	3. Injection Gas-Oil	PSI
21. Was swap used during thi	Yes N		.2. On produced	prior to test (14em	OL NEWOLKS	MG # G112	"   "	Ratio	
REMARKS: Cleaned ou	t repaired hele		w/car ichc	and nan 2	7/0" lim		<del></del>		
reminade: Cleaned of	it, repaired note	s in csg	w/sqz Jobs	, and ran 2 i	770 11.0	lei			
									•
within 30 days a results of a poter back more than	S: File an original feer completing a wential test within the 1 10 days before the completion, fill in both	ll and with 10-day per W-2 was	nin 10 days at iod, the effect received in the	fter a potential tive date of the le District Offi	test. If a allowable ce. (Stat	n oper le assi ewide	ator does not gned to the v Rules 16 ar	properly report th vell will not exten	ie .d
I declare under per readings or (b) the	CERTIFICATION  salties prescribed in Sec. 9  top and bottom gauges of  cct, and complete, to the b	each tank in	to which product						
Signature: Well 1	ester		Natr	e of Company	RRC Re	present	ative	MAY	
<del></del>	<del></del>	<del></del>	<del></del>						1997
								<u> </u>	
OPERATOR'S CE.  I declare under the prepared by me un knowledge.	RTIFICATION penalties prescribed in Sender my supervision and	e. 91.143, 7 direction, a	Cexas Natural Res	sources Code, than	I am autho	rized to	o make this repo ect, and comple	rt, that this report was te, to the best of my	KAC
Donna Williams	•			Regulatory	Commilia	ance			
Typed or printed name of or	erator's representative			Tide of Person	,	YY			
915-688-6		05 /	06 / 97	<u>_</u>	- ce (	<u> </u>			
Telephone: Area Code No	imber Date:	mo. da	year	Signature	`				~
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, 200110.811			DAT	IA ON	WELL COM	PLETION	AND	LOG	(Not Required	on Rese		
24 Type of Completion	New We	" []	Deepeni	ng	Plug Back		ther	7	25. Permit to Dri Plug Back or, Deepen		DATE	PERMIT N
26 Notice of Intention to	Deill thie	uall was fi	<u> </u>						Rule 37			CASEN
26 Notice of Intention to	Dilli this v	well was II	iled in Maine	: 01					Exception			PERMIT N
									Water injecti Permit		/30/93	F-1182
27 Number of producing			n		al number of acres				Salt Water D			PERMIT N
this field (reservoir)	including th	nis well		int	this lease				Permit	•		
			i		9,440				Other		<del></del>	PERMIT NO
<ol> <li>Date Plug Back, Dee Workover or Drilling</li> </ol>		Com	menced	Compi	,	ance to nearest c Lease & Resi						
Operations.		4/1	1/97	4/30/	97	J						/
31. Location of well, reli of lease on which thi			boundaries		1000		from		NOI CH	ine and	2350'	Feet from
					West	s directional su	of the	ie other	<u>El Mar/Dela</u>	ware/Ur	nit	Loase
32. Elevation (DF, RKE	5, KI, UK,	EIC.)				n inclination (		ie Other	Y	es [	X No	
· · · · //	. Total De	pth /	36. P. B. D	' /\	37. Surface Casing Determined by			Recomu	nendation of T.D.W.I	, [	Di. of L	etter
4461	4554		4524			Rules	, ,		Commission (Special		Dr. of L	eller
38. Is well multiple com	pletion?		inultiple con	npletion, lis	n all reservoir nam	es (completion		well) and			40. Interva Driiled	
Yes X	] No			FIELD &	RESERVOIR			LEASE	fi a a l	ELL	by.	
41. Name of Drilling Co	ontractor									,	12. Is Ceme Attached	enting Affidavit
Dawson							<del> </del>		<del>  </del>		X	Yes No
43.		<b></b> -		CASI	NG RECORD (R	eport All Stri	igs Set in	Well)	<del></del>	<del></del>		
CASING SIZE	WT	I/FT.	DEPT	н ѕет	MULTISTAG TOOL DEPTI	_	& AMO	1	HOLE SIZE	TOP CEM		SLURRY VOL cu. ft.
8 5/8"	32	#	54	18.		27	'5 sxs		12 1/4"	Sur	·f.	
4 1/2"	11.0	6# /	45	54'		30	0 sxs	./	6 3/4" 16		6'/	
			<del> </del> -		ļ				<del></del>			
<del></del>	L	<del></del>	L		<u> </u>				_ <del></del>	L	1	
44.				<del></del>	. LIN	ER RECORD						
Size			TOP			Bottom		Τ	Sacks Cement		<del></del>	Screen
2 7/8"		Surf.	V		4380	./		31	0_sxs			
								<u> </u>				- <del></del>
45.	ΤU	BING RE	CORD		·	46. Producii	ng interv	al (this c	ompletion) Indicate of	lepth of peri	oration or o	pen hole
Size		Depth Set		P	icker Set	From 4	461		<del></del>	To 4	480'	N.
1.9		4350			4355'	From				To		
						From				To		
<del></del>	<u> </u>	<del></del>		<u></u>		From				To		
47.				ACI	D, SHOT, FRACT	TURE, CEME	NT SOU	EEZF	ETC.		· · · · · · · · · · · · ·	
\		Depth Into	erval						Amount and Kind of	Material U	sed	
747'-873'			<del></del>		<del></del>	Sazd	hole	s w/1	50 sxs 'C' +			d out
4380'-Surface									or w/310 rvr		-, 0.1	

# EL MAR/DELAWARE/UNIT #1113 FORMERLY

(NMOCD # \_\_\_\_, API# 42-301-00787 )

Section 4, BLK. 54, T& County: LOVING, STATE: EL:3100' DF	PRR	SPUD DATE:9/19/59 COMPLETION: 10/7/59 Drilling comments:
GL: KB: 9'		Completion Comments:
HOLE: 12 1/4*	8 5/8" 32# casing @ 387' camented w/ 150 SAX Circ / SURF	Well Type POW  No other information available in public records
	TOC @ 3450'	
	2 3/8" tubing 4.7# J-55 @ ?' SN @ 4480' PUMP: 2" X 1/2" X 12' RODS: 178 - 3/4" Delaware Perfs: 4469' - 4476' 4488' - 4500' @ 2JSPF	
HOLE: 6 3/4" EPBTD: 45745 TD 4553'	4 1/2" 9.5# J-55 @ 4553' w/ 150 sx cement	

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#### **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

SPUD DATE: 11/24/59 COMPLETION: 12/7/59 Drilling comments: EL: 3098' GL: KB: **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 4 1/2" 9.5# @ 4586" HOLE: 6 3/4" TD 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- 3	01-00786	7. RRC District No.	
Oil Well Poten	itial Test, Comple	tion or Recomple	etion Report, a	nd Log		8. RRC Lease No. 21246	
I. FIELD NAME (as per RR	RC Records or Wildcat)	2. LEASE N	AME	<del></del>		9. Well No. 1114 W	
El Mar (Delaware) El Mar/Delaware/Unit							
OPERATOR'S NAME (E	xactly as shown on P-5, Org	ganization Report)	RRC Oper	ator No.	<del></del>	10. County of well site	
M <del>eridian Oil I</del>	nc-Burlingto	Lesurces a	20/92 56113	2 /09	1348	Loving	
ADDRESS					·	11. Purpose of filing	
P.O. Box 51810	Midland, TX	79710-1810				Initial Potential	
. If Operator has changed w	vithin the last 60 days, name	the former operator				_	
						Retest	
a. Location (Section, Block	• • • • • • • • • • • • • • • • • • • •		and direction to neare		ounty.		~
4 54	<u> </u>		<u>les north of</u>		<del></del>	Reclass	$\succeq$
2. II workover or reciass, gi FIELD & RESERVOIR	ive former field (with reserv	oir) & gas ID or oil lease	no. GAS ID or OIL LEASE #	Oil - O Gas - G	WELL NO.		
			OIL LEASE #	Gas - G		Well record only	*
	<del></del>					(explain in Remarks)	
3. Type of electric or other	log run			5/14/9	on or recompletio	n date	
SECTION 1: POTENT	IAL TEST DATA	17. Production me	ethod (Flowing, Gas Li		<u>.</u>	ecified in field rules.  18. Choke size	
		Size & Type o	of pump)				
9. Production during	Oil - BBLS	Gas - MCF	Water - BBLS	G	as - Oil Ratio	Flowing Tubing Press	ıre
Test Period							PSI
Calculated 24-	Oil - BBLS	Gas - MCF	Water - BBLS	Oil Gra	vity - API - 60°	Casing Pressure	
Hour Rate			•				PS:
Was swab used during this	s test? Yes No	22. Oil produce	ed prior to test (New &	Reworked well	s) 2	Injection Gas-Oil     Ratio	
INSTRUCTIONS within 30 days a results of a poter back more than	S: File an original arefter completing a well natial test within the 10 10 days before the Woompletion, fill in both	and one copy of the and within 10 days -day period, the effe	completed Form Vafter a potential testive date of the a	st. If an ope illowable ass (Statewide	rator does not igned to the war Rules 16 and	properly report the vell will not extend	
readings or (b) the above is true, corre	nalties prescribed in Sec. 91, top and bottom gauges of ea ect, and complete, to the bes	ich tank into which produ t of my knowledge.	ction was run during th	e test. I further	r certify that the p	potential test data shown	
Signature: Well 7	[ester	IVA	time of Company	RRC Represen	tative	MAYI	
OPERATOR'S CEI I declare under the prepared by me un knowledge.  Donna Williams "yped or printed name of op	RTIFICATION penalties prescribed in Sec. ider my supervision and d perator's representative	91.143, Texas Natural Rirection, and that data a	tesources Code, that I and facts stated thereign Regulatory Title of Person	am authorized t	o make this reporect, and complete	ri, that this open was te, to the best of my	- +2°

	: : : :

SECTION II		DAT	A ON WELL	COMPLETI	ON AND	LOG (No	t Requ	nired on Reset)			
14. Type of Completion	1					· · · · · · · · · · · · · · · · · · ·		25. Permit to D	rill.	DATE	PERMIT NO.
1						Other	$\neg$	Plug Back of Deepen	or.		
	New Well L	Decpen	ing []	Plug Back		Other [		Rule 37			CASE NO
25 Notice of Intention	to Drill this well	was filed in Name	e of					Exception			CASENO
								Water injec	tion.		PERMIT NO.
								Permit		/30/93	F-1182
27 31 32 20 6 20 40 5	welle as the l		28. Total nur	nber of acres						730/33	
27. Number of product this field (reservoir	ng wells on this i ) including this w	vell	in this le					Salt Water	Disposal		PERMIT NO.
				9.440				Permit			
30.			L					Other			PERMIT NO.
29. Date Plug Back, De Workover or Drillin		Commenced	Completed		nce to neare Lease & Re						
Operations:		5/8/96	5/14/96								
31. Location of well, re of lease on which th				330 '			<u>orth</u>		Line and 33	30'	Feet from
				<u>ast</u>		e of the E		r/Delaware	/Unit		Lease
32. Elevation (DF, RK	B. RT, GR, ETC	<b>:</b> )			directional inclination		e other	$\Box$ ,	, ,	X No	
3098				<u> </u>			_	· · · · · ·	(es	Ä. No	
	5 Total Depth	36 P B. D		urface Casing Determined by			9	endation of T.D.W		اعدا Dt. of	er
4490 4	586'	4553	'	Serenmen Sk	Field   Rules			Commission (Speci		Dt. of Lett	<del></del> ler
38 Is well multiple con	npletion? 39	9. If multiple com	pletion, list all r	eservoir names					<del></del>	40. Intervals	Rotary Cable
	_	or Gas ID No.				GAS	ID or	_1 Oil-O 1 W	VELL	Drilled	Tools Tools
Yes X	No No		FIELD & RESE	RVOIR		OIL L	EASE	Gas-G	1	by:	<u> </u>
41. Name of Drilling C	Contractor		···-							2. Is Cementi	ine Affidavil
1	CHILL ACTUR							<del>  </del>	*	Attached?	ng minuten
Pride	-									Ye	x X No
43			G : 00151 B	20020				<del></del> _			3 [ ] [ [ ] [ ]
			<del></del>	ECORD (Rep			<del></del>				
CASING SIZE	WT #/FT	DEPTH	1361	ULTISTAGE	1	& AMOU		HOLE SIZE	CEME		SLURRY VOL. cu. ft.
	"			OOL DEPTH		MENT (sac			<b></b>		
<u>[8 5/8"</u>	32#	433			150			12 1/4"	Circ.		nk.
4 1/2"	9.5#	4586			150	SXS		6 3/4"	Unk.	U	<u>nk</u>
<u></u>											
44.		· · · · · · · · · · · · · · · · · · ·		LINE	R RECORI	)					
Size		TOP			Bottom			Sacks Cement			Screen
45.	TUBING	G RECORD			6 Produci	ng Interval	(this co	impletion) Indicate	lepth of perfo	tration or oper	a hole
Size	Dept	h Set	Packer S	iet	From 44	90'			To 452	24'	
2 3/8"	4444		4444		From		···		To		
	1		<del></del>		From				To		<del></del>
			<del> </del>		From				То		
	·							······································			
47.			ACID, SH	OT, FRACTU	RE, CEME	NT SQUE	EZE, E	TC.			
	Denti	h Interval			1			Amount and Kind of	Material Use	ed.	
4490 - 4524			<del></del>	<del></del>	Δ	/2000					+ 1000 gls
TTJU -4324						1ed bi			CCK HUL	_ uciu_	· TOOO GIS
<u> </u>					1 961	יבט או	1110				
<del> </del>	<del></del>			<del></del>							
L											
48.	E08:1	ATUNE PROGRAM	// ICT DODGE	IC OF BOILE	10.1 000	LOCICLI	MAR	KERS AND FORM	TION TOPS	<u> </u>	
<del></del>		ATTON RECORD		13 OF PRINC	ICAL GEO				TION TOPS		
Formatio	ens .		Depth				Formatio	ons	<del> </del>	Depth	1
<del></del>									<u> </u>		
										-	
REMARKSClena	ed out	restimula	ted, and	return	ned to	inied	ctio	n			
	<del></del>										
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# EL MAR/DELAWARE/UNIT # 1123 FORMERLY UNK (NMOCD # \_\_\_\_, API# 42-301-00785)

1650' FNL & 99 Section 4, BLK 54, SUR\ County: LOVING, STATE	EY T&P	SPUD DATE: 9/26/59 COMPLETION: 10/1/59 Drilling comments:
EL:		Completion Comments:
GL: KB:		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	

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# RAILROAD COMMISSION OF TEXAS Oil and Gas Division

				2 - 21 -9	7			483	-048
						PI No. 42- 4;	-301-00785	7. RRC District N	٧٥.
Oil Well Poten	itial Test, Comple	etion or	Recomplet	tion Report				08 8. RRC Lease No 21246	<del></del>
1. FIELD NAME (as per RR	(C Records or Wildcat)		2. LEASE NA	ME			· · · · · · · · · · · · · · · · · · ·	9. Well No.	
El Mar (Delaware)	·		Fl Mar/	Delaware/Uni	i t			1123	
3. OPERATOR'S NAME (E		rganization l				tor No.		10. County of wel	Site
		•	•						
Burlington Resour	ces Oil & Gas Com	pany		109	9338		·	Loving	
ADDRESS								11. Purpose of fili	ng
	lidland. TX 79710							Initial Potential	
5. If Operator has changed w	uthin the last 60 days, nam	e the former	operator						$\nabla$
6a. Location (Section, Block	and Survey)		6b. Distance	and direction to n	earest	t town in this c	ounty.	Retest	12
4 54	Т & Р	•	1	es northwest			•	Reclass	
2. If workover or reclass, gi						Oil - O	WELL NO.		_
FIELD & RESERVOIR				OIL LEASE	#	Gas - G		Well record only	, X
								(explain in Rema	ırks)
13. Type of electric or other	log run					-	n or recompletion	n date	
						1/22/97	<u></u>		
SECTION I: POTENT  15. Date of test	IAL TEST DATA  16. No. of hours tested			thod (Flowing, Ga	as Lift	t, Jetting, Pum	·	ecified in field rul 18. Choke size	.es.
1/23/97 19. Production during	Oil - BBLS	Gas -	- MCF	Water - B		oumping Ga	s - Oil Ratio	Flowing Tubing P	ressure
Test Period	4		57	35				85	P
0. Calculated 24-	Oil - BBLS	Gas	- MCF	Water - B	BLS	Oil Gra	vity - API - 60°	Casing Pressure	
Hour Rate				:			41.3		P
1. Was swab used during this	s test? Yes No	1 1 1	<ol><li>Oil produced</li></ol>	i prior to test (Nev	w & F	teworked wells	2	Injection Gas-Oil     Ratio	
REMARKS: Clean out	. reacidize, and r	eturn to	production	n .			. <u> </u>		
within 30 days a results of a poter	S: File an original auter completing a well	ll and with	opy of the co	ompleted For	m W	/-2 in the a	ppropriate R	PC District Offi	
completion or rea	10 days before the V completion, fill in bot	W-2 was r	iod, the effectection that	ctive date of the District Of	d test he al ffice.	t. If an oper lowable assi (Statewide	ator does not igned to the version Rules 16 ar	properly report the well will not exten	he nd
WELL TESTER'S I declare under per readings or (b) the	10 days before the V	W-2 was in the sides of the sid	iod, the effect received in the this form. T	ctive date of the District Of Foreport a rete	d test he al ffice. est, f	t. If an oper lowable assi (Statewide ill in only th	rator does not igned to the vertical Rules 16 and the front side.	properly report to well will not extend 51). To report to observation of (a) metals.	he nd : a
WELL TESTER'S I declare under per readings or (b) the	CERTIFICATION nalties prescribed in Sec. 9 top and bottom gauges of ect, and complete, to the be	W-2 was in the sides of the sid	iod, the effect received in the this form. The this form. The this form the this form	ctive date of the District Of Foreport a rete	test he all ffice. est, f	t. If an oper lowable assi (Statewide ill in only th	rator does not igned to the vertice Rules 16 are front side.	properly report to well will not extend 51). To report observation of (a) met potential test data show	he nd : a
WELL TESTER'S I declare under per readings or (b) the above is true, corre	CERTIFICATION nalties prescribed in Sec. 9 top and bottom gauges of ect, and complete, to the be	W-2 was in the sides of the sid	iod, the effect received in the this form. The this form. The this form the this form	ctive date of the District Of Foreport a rete	test he all ffice. est, f	t. If an oper lowable assi (Statewide Till in only the state of superverse test. I further	rator does not igned to the vertice Rules 16 are front side.	properly report to well will not extend 51). To report observation of (a) met potential test data show	he nd a
WELL TESTER'S I declare under per readings or (b) the above is true, corre	CERTIFICATION nalties prescribed in Sec. 9 top and bottom gauges of ect, and complete, to the be	W-2 was in the sides of the sid	iod, the effect received in the this form. The this form. The this form the this form	ctive date of the District Of Foreport a rete	test he all ffice. est, f	t. If an oper lowable assi (Statewide Till in only the state of superverse test. I further	rator does not igned to the vertice Rules 16 are front side.	properly report to well will not extend 51). To report observation of (a) met potential test data show	he nd : a
WELL TESTER'S I declare under per readings or (b) the above is true, corre  Signature: Well 1  OPERATOR'S CE: I declare under the	CERTIFICATION nalties prescribed in Sec. 9 top and bottom gauges of sect, and complete, to the be	W-2 was reth sides of	iod, the effect received in the this form. This form. This form. This Natural Resource which product owledge.	erces Code, that I me of Company	d test he all ffice. est, f	t. If an open lowable assi (Statewide ill in only the control of t	rator does not igned to the verified this test by certify that the parties of make this repo	observation of (a) mer potential test data show	ter m
WELL TESTER'S I declare under per readings or (b) the above is true, corres  Signature: Well 1  OPERATOR'S CE. I declare under the prepared by me unknowledge.  Donna Williams	CERTIFICATION nalties prescribed in Sec. 9 top and bottom gauges of sect, and complete, to the be rester  RTIFICATION penalties prescribed in Sec. and complete, to the best of the sect o	W-2 was reth sides of	iod, the effect received in the this form. This form. This form. This Natural Resource which product owledge.	ctive date of the District Of Foreport a retermines Code, that I rition was run during me of Company	d test he all ffice. est, f condu	t. If an open lowable assi (Statewide ill in only the control of t	rator does not igned to the verified this test by certify that the parties of make this repo	observation of (a) mer potential test data show	ter m
WELL TESTER'S I declare under per readings or (b) the above is true, corres  Signature: Well 1  OPERATOR'S CE: I declare under the prepared by me unknowledge.	CERTIFICATION nalties prescribed in Sec. 9 top and bottom gauges of ect, and complete, to the be rester  RTIFICATION penalties prescribed in Sec. and complete, to the be	W-2 was in the sides of the sid	iod, the effect received in the this form. This form. This form. This Natural Resource which product owledge.	ctive date of the District Of To report a retermines Code, that I rition was run during the of Company	d test he all ffice. est, f condu	t. If an open lowable assi (Statewide ill in only the control of t	rator does not igned to the verified this test by certify that the parties of make this repo	observation of (a) mer potential test data show	ter m

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SECTION II		DA	TA ON WE	LL COMP	LETION	AND	LOG	(Not Reg	uired o	n Rese	et)		
14 Type of Completion	)							25. Permit			DATE	PERI	MIT NO.
New Well Deepening Plug Back Other					Deeper								
25. Notice of Intention to Drill this well was filed in Name of					Rule 3	7			CA	SE NO			
25. Notice of Intention to Drill this well was filed in Name of					Exception								
						Water injection PERMIT N				MIT NO.			
127		<del></del>	20 T1					Permi					
27 Number of producing wells on this lease in this field (reservoir) including this well in this lease					Salt W	Salt Water Disposal PERMIT NO.				MIT NO.			
9,440						Permit							
29. Date Plug Back, De	epening,	Commenced	Completed	30. Distanc	= to nearest v	vell.		Other				PERM	MIT NO.
Workover or Drillin Operations:		1	,	Same L	case & Reser	voir							
Operacións.		1/13/97	1/22/97										
31 Location of well, to				1650	Foot f	rom		North	Line	end	990	Feet fro	om
of lease on which th	ns well is locate	:d	<b>├-</b> -	East				Delawa	aware/Unit Lease				
32. Elevation (DF, RK	B, RT, GR, ET			33. Was d	33. Was directional survey made other than inclination (W-12)?								
						7-12).			Yes				
1 ' 1	5 Total Depth	ľ		urface Casing Determined by:	Field	_   .	) ecomo	endation of T.I			Dt. of	Letter	
4490	4572'	4548		peor initial of the	Rules			Commission (			Dt. of	Letter	
38 Is well multiple con	npietion?	<ol> <li>If multiple com or Gas ID No.</li> </ol>	pletion, list all to	eservoir names (	completions			Oil Lease		40	). Interv		Cable   Tools
Yez	No.		FIELD & RESE	RVOIR		OIL LI	ID or EASE #	Gas-G	WELL		Dritte by:	1 10013	10013
			<del>.</del>										i
41 Name of Drilling C	ontractor									42	. Is Con Attach	nenting Affidavi ad?	ı i
Yale E. Ke	<sub>}</sub> y	<del></del>										Yes X	No
43.		·	CASTNO B	ECORD (B	- 411 C1=-	- C-4 i-	XX/-10\	l	<del></del>			<u> </u>	
	Γ	<del></del> -	1 1	ECORD (Repo	TYPE &				<del></del>	TOP	)F	SLURRY	VOI
CASING SIZE	WT #/F	T. DEPTH	( ) E 1	OOL DEPTH	1	NT (sac	,	HOLE SIZE		CEME		cu. ft.	
. 8 5/8"	32#	493	₹.					11" Surf.					
4 1/2"	9.5#	457		<u>-</u>	+		_	6 3/4" 3485					
	J. J.							<u> </u>		<u> </u>			
					,								
44.				LINER	RECORD		·			<del> </del>			
Size		TOP		Вс	ntom	om Sacks Cement Screen			Screen				
L													
45	71711	NG RECORD		1.46	Producing	Interval	(this co	mpistion) Indu	cate depth	of perfor	ation of	open hole	
Size	<del>,</del>	<del></del>	De alas a							or porter			
ļ		oth Set	Packer S	<u>.</u>	From 4490'-4520' To								
2 3/8"	4	513'			From To				<del></del>				
					From To								
	<del></del>												
[ <del>  -</del>			ACID, SH	OT, FRACTUR	E, CEMEN	SQUE:	EZE, E	TC.					
Depth Interval					1			Amount and Ki	nd of Mac	erial Use	d		
400 - 436	<del> </del>		_	<del></del>	Sqzed hole in csg w/300 sxs 'C' neat + 4% CaC12								
4490 - 4520				A w/3000 gls 15% HV-60 + 500# rock salt									
								<u>.</u>					
								<del></del>					
48		NATION RECORD		IS OF PRINCI	PAL GEOL				RMATIO	N TOPS		\ <b>.</b>	
Formatio	ens		Depth		<del> </del>		Formatio	ons —————				Depth	
	<del></del>			<del> </del>	<del> </del>								
<del> </del>													
DEMARKS OF	ad side :			ned a	*	+0 ==	00	ion				<del></del>	
REMARKS Clean	ieu out, s	squeezed no	e, reacid	izeu, & re	-curnea	to pr	ouuct	1011					

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### EL MAR/DELAWARE/UNIT #1211

FORMERLY (NMOCD # \_\_\_\_, API# 42-301-00393 )

664' FNL & 660 Section 3, BLK. 54, To County: LOVING, STATE	&P RR	SPUD DATE:10/10/59 COMPLETION: 10/20/59 Drilling comments: Completion Comments:			
EL: 3085' GL: KB: 10'					
HOLE: 12 1/4"	8 5/8" 24# J-55 casing @ 532' cemented w/ 250 Circ/SURF	Well Type POW  No other information available in public records			
	TOC @ 3555'				
	PUMP: 2" X 1 1/2" X 12' RODS: 161 - 3/4" 2 3/8" tubing @ ?'				
	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				

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EL MAR/DELAWARE/UNIT # 1212W
FORMERLY UNION ROYALTY, INC, UNIT #1212W
(NIMOCD # API# 42 201 00294)

(NMOCD # \_\_\_\_, API# 42-301-00394) 664' FNL & 1980' FWL Section 3, BLK 54, T & P RR SPUD DATE:10/22/59 COMPLETION: 11/9/59 County: LOVING, STATE: TEXAS Drilling comments: EL: GL: KB: 10.2' **Completion Comments:** Well Type WIW No other information available in public records HOLE: 12 1/4" 8 5/8" 24# J-55casing @ 528' cemented w/ 250 Circ TO SURF TOC @ 3810' 2 3/8" tubing @ 4437' PACKER @ 4440' Delaware Perfs @ 4500' - 4650' HOLE: 6 3/4" BTD: 4629 4 1/2" 9.5 # @ 4664' TD 4665' w/ 130 sx cement

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#### RAILROAD COMMISSION OF TEXAS Oil and Gas Division Form W-2 Type or print only Rev. 4/1/83 483-046 Sunface Caribs 3, 14.44 API No. 42-301-00394 7. RRC District No. 08 Bayoif 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 9. Well No. El Mar (Delaware) El Mar/Delaware/Unit 1212W 3. OPERATOR'S NAME (Exactly as shown on Form P-5. Organization Report) RRC Operator No. 10. County of well site Union Royalty, Inc. 876825 Loving 4. ADDRESS 11. Purpose of filing 500 W. Texas, Suite 1460, Midland, TX 79701 Initial Potential 5. If Operator has changed within last 60 days, name former operator Retest 6a. Location (Section, Block, and Survey) 6b. Distance and direction to nearest town in this county 20 Miles North 3, Blk. 54, T&P RR <u>of Mentone</u> Reclass 12. If workover or reclass, give former field (with reservoir) & gas ID or oil lease no GAS ID or WELL NO. FIELD & RESERVOIR OIL LEASE \* Cas - C Well record only (explain in Remarks) El-Mar-(De<del>laware</del>) Sand 14. Completion or recompletion date 13. Type of electric or other log run 2/7/94 SECTION I: POTENTIAL TEST DATA IMPORTANT: Test should be for 24 hours unless otherwise specified in field rules. 17. Production method (Flowing, Gas Lift, Jetting, Pumping-15. Date of test 16. No. of hours tested Size & Type of pump) 19. Production during OII - BBLS Gas - MCF Water - BBLS Gas - Oil Ratio Flowing Tubing Pressure Test Period Oil - BBLS Gas - MCF Water - BBLS Oil Gravity-API-600 Casing Pressure 20. Calculated 24 Hour Rate PSI 22. Oil produced prior to test (New & Reworked wells) 23. Injection Gas-Oil 1. Was swab used during this test? 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

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

T. N. McKn	ight, Jr.	President	1.
Typed or printed name of operator's r	epresentative	Title of Person	He I
(914) 686-1991	03/04/94	1.11 July	N
Telephone: Area Code Number	Date: mo. day year	Signature	7-7

OPERATOR'S CERTIFICATION

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SECTION II			DA	TA ON WE	LL COMPLETI	ON A	ND LOG	Not F	Required	on Retest)					
24. Type of Complett	lon:									25. Perm			DATE		PERMIT NO.
	New Well		Deeper		Plug Back	. 「	<u> </u>	her		Plug	Back o	or			
	NEW MET		Deeper	ning	riog baci	`		114-1		Rule					CASE NO.
26. Notice of Intention	on to Drill th	nis well	l was filed	in Name o	of	-				Exce	ption				
1										Wate	r Injec	tion			PERMIT NO.
										Pern	-			F	1182
27. Number of produ	27. Number of producing wells on this lease in 28. Total number of acres								Salt	Water	Disposal		<del></del>	PERMIT NO.	
this field (reserve	oir) including	g this	weil		his lease					Perm		•			_
										Othe					PERMIT NO.
29. Date Plug Back, D	Veenening	Cor	mmenced	Comp	leted 30 Dis		e to neare	si we	31	-	•				
WorkOver or Drill		00.					ease & Re			İ					
Operations:		1		ļ											
31. Location of well, r	minutes to one		osa bouada	der.	<del> </del>		Funt	From		1		ne and			eet from
of lease on which			asc oounda	1103	<del></del>			of the				ne and			ease
32. Elevation (DF, RK	B PT CP F	TC 1			33 14/2	S C41 F	ectional si			er -					
J. Dievation (Dr. 100	D, KI. GIC E	10.1			tha	an Inc	ritnation (	Form	W-12)2		Ye:	3	No.	<b>5</b>	
34. Top of Pay	35. Total Dep	vib. I	36. P. B. D	Wath	37. Surface C	26104	,						7		
SA. Top Great	•	1.1	30, F. D. L	æptin	Determine			<u>ا</u> ا	Recomm	endation of	T.D.W.	R L	Dt. of	Letter	
	4665	L					Rules			Commissio			<del>, </del>	Letter	
38. Is well multiple co	ompletion?		multiple co r Gas ID No.		list all reservoir	nam	ies (compl		s in this v AS ID or	well) and Oi    Oil—O		ELL	40. Inter		otary   Cable ools   Tools
		<b>.</b>			RESERVOIR				LEASE 4				by:		100.5
Al Name of Darling	<u> </u>	<u> </u>						-		<del> </del>			10 1- 0-		4.00 dayas
41. Name of Drilling (	Contractor							ļ		<del></del>	<b></b> -		42. Is Ce Attac	menung / :hed?	Aungavit
}		l ——	<del></del>							<del></del>	<u> </u>				
		l	<del></del> .					<u> </u>			<u> </u>		<u> </u>	Yes	L  No No
43.	<del></del>		<del></del> -	CASI	NG RECORD (I					1)		<del></del>		T	
CASING SIZE	WT -	/FT.	DEPT	H SET	MULTISTAC TOOL DEP		TYPE &			HOLE SI	ZE	1	OP OF MENT	SL	URRY VOL.
<del></del>	+	A 44		30	1000 DEP					10	1 / 4	<del></del>		+	
8 5/8		4#		28			Unkno								<u>iknown</u>
4 1/2	9.	⊃ <del>  </del>	4.0	64	······		Unkno	חשכ	130	<u> </u>	<u>ا 4 / ک</u>	3810		Ur	<u>lknown</u>
	<del></del>		<del> </del>		<del></del>							<del>                                     </del>			
	<u> </u>		<u> </u>									1			
<u> </u>							22222								
44.					Lir		RECORD				· · · · · · · · · · · · · · · · · · ·				
Size			TOP			Вос	tom Sacks Cement			ement	Screen			n	
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45	<del></del>					16	Donati vata	~ l==	1/15-1-		-) ( d) -		<b>.</b>		bala
45.		ING RE								completion	i) indic				open noie
Size	<del></del>	Depth S	<del></del>		cker Set	<del>-  </del>	rom	45	00	To 4650					
2 3/8	4 4	437		4	440		rom			To To					
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L						1 "									
47.	<del></del>			ACID	SHOT. FRACTI	:PF	CEMENT	5011	FF7F 5-7	~		<del></del>			
71.	·	epth in	ntenni	ACID.	SHOT. FRACTI	UKZ.	CEMENT	JyU		Amount an	d Klad	of Mar-	rial Tiesd		
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l <del></del>								—							
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			<del></del>		·	1									
48.	FOI	MATTO	N RECORT	UIST OF	PTHS OF PRIN	CIDA	LOFOLO	CALC A	MARVE	RS AND EX	RMATT	ON TOP	S)		
Formati		2000	J	Dep	<del></del>	J. 7			Formation					Depth	
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REMARKS	<del></del>														
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# EL MAR/DELAWARE/UNIT #1213 FORMERLY: MERIDIAN OIL INC.

(NMOCD # \_\_\_\_, API# 42-301-80188 ) 664' FNL & 1980' FEL

Section 3, BLK. 54, T County: LOVING, STAT		SPUD DATE:8/31/59 COMPLETION: 9/11/59 Drilling comments:			
EL: GL: KB:		Completion Comments:			
HOLE: 12 1/4"	8 5/8" 24# casing @ 530' cemented w/ 250 Circ SURF	Well Type POW  No other information available in public records			
	TOC @ 3720'				
	PACKER <b>@ 44</b> 53'				
	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				

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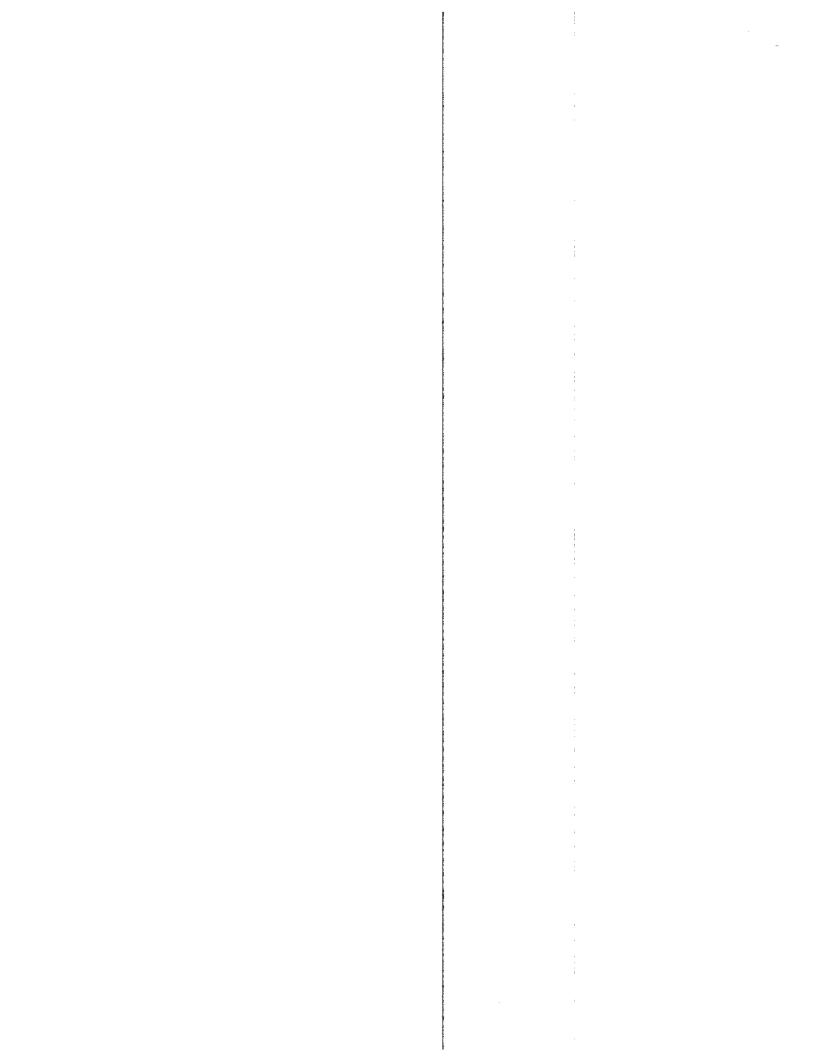
# RAILROAD COMMISSION OF TEXAS Oil and Gas Division

Form W-2 Rev. 4/1/83

				483-046
		A	PI No. <b>42</b> - 301-80188	7. RRC District No.
Oil Well Potential Test, Completion	or Recomplet	ion Report, ar	nd Log	8. RRC Lease No. 21246
1. FIELD NAME (as per RRC Records or Wildcat)	2. LEASE NAN	1E	<del> </del>	9. Well No.
El Mar (Delaware)	Fl Mar/D	elaware/Unit		1213
3. OPERATOR'S NAME (Exactly as shown on P-5, Organiza		RRC Opera		10. County of well site
Burlington Resources Oil & Gas C		10933	3	Loving
4. ADDRESS				11. Purpose of tiling
P.O. Box 51810, Midland, TX 797	10-1810			Initial Potential
5. If Operator has changed within the last 60 days, name the				
Meridian Oil Inc. (561132)				Retest
6a. Location (Section, Block, and Survey)			t town in this county.	
3 54 T & P RR		es northwest J GASIDor	Oil - O WELL NO.	Reclass
FIELD & RESERVOIR	2 gas 12 of on 1000 no	OIL LEASE #	Gas - G	Well record only (explain in Remarks)
13. Type of electric or other log run		<u> </u>	14. Completion or recompleti	on date
			7/10/96	
15. Date of test 16. No. of hours tested		ood (Flowing, Gas Lif	hours unless otherwise s t, Jetting, Pumping - (1.5"x24'	pecified in field rules.
8/26/96 24  19. Production during Oil - BBLS	Gas - MCF	Water - BBLS	Gas - Oil Ratio	Flowing Tubing Pressure
Test Period 1	0	250	N/A	100 PSI
20. Calculated 24- Oil - BBLS	Gas - MCF	Water - BBLS		
Hour Rate				70 PSI
Was swab used during this test?	22. Oil produced	prior to test (New & )	Reworked wells)	23. Injection Gas-Oil
Yes No Å	·			Ratio
INSTRUCTIONS: File an original and of within 30 days after completing a well and results of a potential test within the 10-day back more than 10 days before the W-2 completion or recompletion, fill in both signal.	one copy of the coll within 10 days af y period, the effect was received in the	ompleted Form V fter a potential tes tive date of the al	<ul> <li>t. If an operator does no llowable assigned to the</li> <li>tatewide Rules 16 a</li> </ul>	ot properly report the well will not extend and 51) To report a
WELL TESTER'S CERTIFICATION I declare under penalties prescribed in Sec. 91.143 readings or (b) the top and bottom gauges of each to above is true, correct, and complete, to the best of  Signature: Well Tester	ank into which product my knowledge.	ion was run during th		
				1996 1996
OPERATOR'S CERTIFICATION I declare under the penalties prescribed in Sec. 91. prepared by me under my supervision and direct knowledge.  nna Williams yped or printed name of operator's representative  915-688-6943 08			are true, correct, and comp	
Telephone: Area Code Number Date: mo.	day year	Signature		

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SECTION II		DAT	A ON WELL	COMPLETI	ON AND LO	OG (No	t Requ	ired on Reset)				
24 Type of Complet	iion		<u> </u>					25. Permit to D		DATE	PERM	IIT NO.
1	New Wei	Despen	ing	Plug Back	O <sub>1</sub>	her [	X	Plug Back of Deepen	or,			
25 Notice of Intenti-	on to Drill this w	reil was filed in Name	• of					Ruie 37			CA	SENO
So there is the	2111 1113 4	an man mon m marme	• 🕶					Exception Water injec	lion		DCDA	IIT NO.
								Permit	uva		PERG	170.
27. Number of produ	ucing wells on th	is lease in	28. Total nur					Salt Water	Disposal		PERM	IIT NO.
this field (reserv	oir) including thi	s well	in this le					Permit	•			
20 5 5 5	<del></del>		l	9,440		<del></del>	·	Other			PERM	IIT NO.
29. Date Plug Back, Workover or Dri		Commenced	Completed	Same	ce to nearest v Lease & Resei							
Operations:		6/29/96	7/10/96									
31. Location of weil,			<u> </u>	664	Foot	rom N	orth		Line and 1	980'	Feet fro	om
of lease on which				East		f the E	T Ma	r/Delaware		200	Loaso	
32. Elevation (DF,	RKB, RT, GR, E	TC.)		33. Was than	directional sur inclination (V	vey mad V-12)?	le other		res [	X	,	
34. Top of Pay	35. Total Dep	th 36. P. B. D	27 5	urface Casing		<del>-                                    </del>				<del></del>		
4549	4689	4650		Determined by:				rendation of T.D.W.		] Dr. of	<del></del>	
38. Is well multiple		39. If multiple corr	pletion, list all r	eservoir names	(completions			Commission (Spec	iai) L	Dt. of		Cable a
	<u> </u>	or Gas ID No.				GAS	ID or EASE	_  Oil-O   V	VELL	Driile		Tools
Yos (	X No		FIELD & RESE	KYOIK		Oil	LASE	Gas-G	1	-,.	]	1
41. Name of Drilling	g Contractor									42. Is Cett Attache	nenting Affidavit	ı
Pride		<del></del>						ļ				.,
43.			CACING D	FC0.00 (0	AU Cuda	<u> </u>	137.135	<u> </u>			Yes ^	No
				ECORD (Rep	TYPE &				ТОЕ	OF	SLURRY	VOL.
CASING SIZE	WT #	FT. DEPTI	1361	OOL DEPTH	1	ENT (sa	i	HOLE SIZE		ENT	cu. ft.	
3 5/8"	24#	530'		·	Unk s	XS		12 1/4"	Surf.		Unk.	
4 1/2"	9.5#	4689			Unk s			7 7/8"	TOC@3	720'	Unk.	
	<del></del>											
								<del></del>	L			
44.				LINE	R RECORD			····				
Size		TOP			Bottom			Sacks Cement			Screen	
										<u> </u>		
					<del></del>					<u> </u>		
45.	TITE	ING RECORD			b. Producing	Interva	l (this c	ompletion) Indicate	depth of per	foration or	open hole	
Size		epth Set	Packer		From 454	·		,,	<u> </u>		<del></del>	
2 3/8"	4574	·	4453		From 454	7° 4634'						
<del></del>	1.5, 1				From				То			
					From				То	<del></del>		
47.		<del></del>	ACID CU	OT, FRACTU	RE CEVEN	T SOIT	FF7F F	FTC				
	n	epth Interval	ACID, 311	OI, FRACIC	, CE.MEN	- 5001		Amount and Kind o	of Material L	l sed		
CIBP@ 4489		nt			Drld	out	to	4650' (PBT				
4549, -4634	,				A w/	3000	gls	15% HV-60	) acid	+ 100	0 gls ge	1
brine												
48.	F()	MATION RECORI	O (LIST DEPT)	HS OF PRINC	IPAL GFOL	OGICA	L MAR	KERS AND FORM	ATION TO	PS)		
Form		T TOTAL TOTAL	Depth		7		Format		1		Depth	
			<del></del> -		<del> </del>				1	<del></del>		
		<del></del>	· · · · · · · · · · · · · · · · · · ·									
REMARKS					• • • • • • • • • • • • • • • • • • • •							-
Cleaned out	wellbor	<u>e and retu</u>	rned to	product	ion.							



# EL MAR/DELAWARE/UNIT # 1214W FORMERLY UNION ROYALTY,INC (NMOCD # \_\_\_\_, API# 42-310-00388)

(NMOCD # \_\_\_\_, API# 42-310-00388) 664' FNL & 660' FEL

Section 3, BLK. 54, T County: LOVING, STATE	& P RR E: TEXAS	SPUD DATE: 8/17/59 COMPLETION: 9/3/59 Drilling comments:				
EL: GL: KB:		Completion Comments:				
GL: KB:		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'					
$\mathbf{x}\mathbf{x}$	PACKER @ 4498'					
HOLE: 6 3/4"	4 1/2" 9.5# @ 4705' w/ 130 sx cement					
TD 4705'	W/ 130 SX Comand					

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#### RAILROAD COMMISSION OF TEXAS Form W-2 Type or print only Oil and Gas Division Rev. 4/1/83 483-046 API No. 42-310-00388 7. RRC District No. 08 7 YOu Well Potential Test. Completion or Recompletion Report, and Log 8. RRC Lease No. 21246 2. LEASE NAME 1. FIELD NAME (as per RRC Records or Wildcat) 9. Well No. El Mar (Delaware) El Mar/Delaware/Unit 1214W 3. OPERATOR'S NAME (Exactly as shown on Form P-5. Organization Report) 10. County of well site RRC Operator No. 876825 Union Royalty, Inc. Loving 4. ADDRESS 11. Purpose of filling 500 W. Texas, Suite 1460, Midland, TX 79701 Initial Potential 5. If Operator has changed within last 60 days, name former operator Retest 6a. Location (Section, Block, and Survey) 6b. Distance and direction to nearest town in this county. 20 Miles North of Mentone Sec. 3, Blk. 54, T&P RR Reclass 12. If workover or reclass, give former field (with reservoir) & gas 1D or oil lease no GAS ID or Oil - O WELL NO OIL LEASE # FIELD & RESERVOIR Cas - C Well record only (explain in Remarks) El Mar (Delaware) Sand 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 17. Production method (Flowing, Gas Lift, Jetting, Pumping-18. Choke size 15. Date of test 16. No. of hours tested Size & Type of pump) Water - BBLS Gas - Oil Ratio 19. Production during OIL BBLS Gas - MCF Flowing Tubing Pressure Test Period PSI 20. Calculated 24-Oil - BBLS Water - BBLS Oil Gravity-AP!-60° Gas - MCF Casing Pressure Hour Rate **PSi** 23. Injection Gas-Oil Was swab used during this test? 22. Oil produced prior to test (New & Reworked wells) 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

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
Title of Person
Title of Person
Title of Person
Signature

President
Title of Person
Signature

Signature

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

SECTION II		DATA ON	WELL CO	MPLETION	AND LOG (Not Re	quired o	n Retest)					
24. Type of Completic	on:						25. Perm			DATE	PERMIT NO	
	New Weil	Deepening		Plug Back	Other [		Deepe	Back o				
	1104 11011	Беереннік					Rule	37			CASE NO	
26. Notice of Intentio	n to Drill this wel	l was filed in Nam	ne of				Excep	otion				
							Water	r Inject	ton		PERMIT NO	
ş.							Perm	it			F 1182	
27. Number of produ				ber of acres	,		Salt V	Water [	Osposal		PERMIT NO	
this field (reservo	ir) including this	weil i	n this lear	<b>₩</b> .			Perm	it				
							Ciher	-			PERMIT NO	
29. Date Plug Back. D	eepening. , Co	mmenced Co	mpleted	30. Distar	nce to nearest well.		7					
WorkOver or Drill	ng	í		Same	Lease & Reservoir		}					
Operations:	ŀ	ĺ		İ								
31. Location of well, n	lative to nearest le	ase boundaries		1	Feet From		<u> </u>	Lir	ne and		Feet from	
of lease on which	this well is located		<del> </del>		Line of the		_				Lease	
32. Elevation (DF. RK)	B. RT. GR. ETC.)			33 Was d	irectional survey n	nade othe	er _	7		$\overline{\Box}$		
				Than !	inclination (Form V	V—121?		Yes		No		
34. Top of Pay 3	5. Total Depth	36. P. B. Depth	37 S	urface Casu						T		
	4705		D	etermined b	·		ndation of		1 1	Dr. of t		
38. Is well multiple co		multiple completto	n, list all	reservoir na			Commission			Dt. of t 10. Interva	als Rotary Cable	
25. 15 sen maniple co		r Gas ID No.			GAS	S ID or	011-0	WE	LL	Drilled		
:	ļ	FIELD	& RESER	VOIR	OIL I	.EASE *	Gas-C	4		ру.	1	
41. Name of Drilling C	ontractor								1.	2. Is Cerr	nenting Affidavit	
										Attach		
											Yes No	
43.		C	ASING RE	CORD (Rep	ort All Strings Ser	in Well	)					
CASING SIZE	WT */FT.	DEPTH SET	MU	ILTISTAGE	TYPE & AMO	UNT	HOLE SIZ	-	TOP	OF	SLURRY VOL.	
CASING SIZE	<b>W.</b> 71.1.	DEI III SET	ТО	OL DEPTH	CEMENT (sai	cks)	HOEE 312		CEM	ENT	cu. ft.	
8 5/8	24#	524			Unknown	27\$	12 1	/4	Sur	f.	Unknown	
4 1/2	9.5#	4705			Unknown	130	6 3	3/4 3940		0	Unknown	
<u> </u>	<u></u>	ļ			<del> </del>				_			
·				<del></del>	1							
1 44.		<del> </del>		LINES	RECORD	-						
Size	<del></del>	TOP	r		ottom		Sacks Cer		<sub>1</sub>		Screen	
312	<del></del>	101			octoria		Sacks Cer	116111		Screen		
				-				<u> </u>	<u> </u>			
45.	TUBING RE	CORD	· · · · · · · · · · · · · · · · · · ·	4	6. Producing Inter	val (this	completion)	Indica	te depth	of perfora	tion or open hole	
Size	Depth S	Set	Packer Se	1	From 4	528	· · · · · · · · · · · · · · · · · · ·		To	467	78	
2 3/8	4495		4498		From	<del></del>			То	<del></del>	<del></del>	
					From				То			
					From				То			
47.		·	ID. SHOT.	FRACTURE	E. CEMENT SQUE							
	Depth I	nterval				A	Amount and	Kind	of Materia	ul Used		
	<del> </del>											
					<del> </del>							
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49	500112	N 050055 (110=	D.C.OTT.IC.	05 0000			16 AND 565	114.77	N TOOS:			
48.		ON RECORD (LIST		OF PRINCIP	<del></del>			MATIC	N TOPSI			
Formati	U113	L	Depth		<del></del>	ormation			<del></del>	٠	epth	
					<del> </del>							
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DEMARKS		<u> </u>	<del> </del>	<del></del>						· · · · · · · · · · · · · · · · · · ·		
REMARKS						·		-	· · · · · · · · · · · · · · · · · · ·			
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#### **EL MAR DELAWARE UNIT # 1221W**

FORMERLY UNION ROYALTY (NMOCD # \_\_\_\_, API# 42-301-80190 )

1992' FNL & 660' FWL Section 3, BLK. 54, T & P RR

SPUD DATE: 9/1/59 COMPLETION: 9/12/59 County: LOVING , STATE: TEXAS Drilling comments: EL: GL: KB: 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' HOLE: 6 3/4" 4 1/2" 9.5 # @ 4644' w/ 130 sx cement TD 4644

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### EL MAR Type or print only

# RAILROAD COMMISSION OF TEXAS Oil and Gas Division

12-21-95

Form W-2 Rev. 4/1/83 483-045

		12	1933 A	PINO. 42-301 - 501	7. RRC District No.
Oil Well Poter	ntial Test, Complet	ion or Recomp	letion Report, a	ad Log	8. RRC Lease No. 21246
1. FIELD NAME (as per RI	9. Well No.				
EL MAR (DELAWA	1221W				
3. OPERATOR'S NAME (E MERIDIAN OIL I	10. County of well site LOVING				
4. ADDRESS					11. Purpose of filing
	), Midland, TX 7 within the last 60 days, name				Initial Potential
UNION ROYALTY	within the last oo days, hathe	ne tormer operator			Retest
6a. Location (Section, Bloc		l l	ce and direction to neares	•	
3 54 12. If workover or reclass, g	T & P give former field (with reserve	ir) & gas ID or oil leas	ILES NORTH OF GAS ID or	Oil - O WELL NO	Reclass
FIELD & RESERVOIR		· •	OIL LEASE #	Gas - G	Well record only (explain in Remarks)
13 Type of electric or other	r log run		·	14. Completion or recomple 7/28/95	etion date
SECTION I: POTEN	TIAL TEST DATA	IMPORTANT: T	est should be for 24	hours unless otherwise	•
5. Date of test	16. No of hours tested	17. Production r Size & Type	nethod (Flowing, Gas Lif of pump)	t, Jetting, Pumping -	18 Choke size
9. Production during	Oil - BBLS	Gas - MCF	Water - BBLS	Gas - Oil Ratio	
Test Period  O. Calculated 24-	Oil - BBLS	Gas - MCF	Water - BBLS	Oil Gravity - API - 6	P O Casing Pressure
Hour Rate	On - Baca	Gas - Mc1	· Water - BBES	On Gravity 73.7 G	P:
1. Was swah used during th	Yas No	22. Oil produ	ced prior to test (New &	Reworked wells)	23 Injection Gus-Oil Ratio
INSTRUCTION within 30 days results of a pote back more than completion or re	Set CIBP about the set of the set	d one copy of the and within 10 day; day period, the ef-2 was received in sides of this form.	completed Form Vs after a potential tesfective date of the a the District Office To report a retest,	t. If an operator does to the llowable assigned to the control of	not properly report the e-well will not extend and 51). To report a e.  by observation of (a) meter
	rect, and complete, to the best				<del> </del>
Signature: Well	lester		lame of Company	RRC Representative	
prepared by me u knowledge.	ERTIFICATION  penalties prescribed in Sec. inder my supervision and di	91.143, Texas Natural rection, and that data	and facts stated therein	are true, correct, and com	aport, that this report was plete, to the best of my
DONNA WILLIAMS Typed or printed name of o	perator's representative		REGULATORY Title of Person	COMPLIANCE	
915-688-6943	0	8 / 25 / 95		Ju	. <u> </u>
Telephone: Area Code N	lumber Date: me	o. day year	Signature	_	

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SECTION II		DAT	A ON WEI	L COMPLE	TION AND LO	OG (N	iot Req	uired on Res			DATE	<u> </u>	DED.	IIT NO
24 Type of Completic	on New Well	Desper	ung	Plug Back	k Ot	her	X		Back or		DALE		rakvi 	., .
	Deliter 1							Rule					CA:	SE NO
25 Notice of Intentio		was 1,,25 in Nam	\$ DI					Exce					Ditti	IIT NO
TXL Corpora	ation							Perm	r inject iit	ion.			F - 1	
27 Number of pro-	ing wolls in this l	#335 A		number of acres	s		•	Salt '	Water E	Disposar			PERM	IIT NO
and there (1939)				9.440				Perin	nt					
29 Dato Phry Back, E	). 0.32	Commenced	Complete	<u> </u>	tance to nearest w	ااه.		Othe	f				PERM	IT NO
Workover or Drill Operations	ing		7/28/9	San	ie Loase & Ruser									
31 Location of well of lease on which	relative to nearest this well is located	Rasi poundatus	<del>1</del>	1992			North			ine and 6	60.		uut Iroi	ar .
32 Elevation (DF R	KE RT. GR ETC	• ;		West	Line o as directional surv			ar/Delaw	<u>iare</u>	_			_0156	
					an inclination (W				Y	= \$ [	X	1		
34 Top of Pay   4512	35 Tora Dandi 4644	34 P B L	Septin 37	Surface Casir Determined		$\neg$	Recom	mendation of T	D W H	رار	] <u> </u>	Latter		
				<del> </del>	Rules	<u>ا ل</u> ــــــــــــــــــــــــــــــــــــ		d Commission	(Specia	1.1	<u> </u>			<del></del>
38 Is well and the L	T No.	9 If sultiple cos 9 Gas ID No	FIELD & RE		ies (completions i		well; an S ID or LEASE			ELL	Dress		27) sie     	Can I Tyre :
41. Name of Drilling								-			42 Is Cen	ration Af	fulas e	
PRIDE	Contractor					-					Attach	:d? :		
TRIDE			·								<u> </u>	Yes	X	No
43			CASIN(	RECORD (F	Report All String	s Set i	n Well)							
CASING SIZE	WT #FT	DEPI	H SET	MULTISTAG TOOL DEPTI	1		- 1	HOLE SIZ	E		P OF TENT	1	CRRY call ft	VOL
8 5/8"	24#	521	<u> </u>		250 s	KS.		12 1/4"		Unk.		Unk.		
4 1/2"	9.5#	4644			130 s			6 3/4"		4010'	(Cal)	Unk.		
					<u> </u>									
									<u>-</u>					
44 Sic:		lob		LIN	ER RECORD		т	Sacks Cem	1631			Screan	_	
3123				+	Bettom		-					30,02,		
45	TUDIN	C DECORD			46 Producing	Interv	al (this c	ounnietion) Inc	licate d	enth of ner	foration or	open hole		
Size		G RECORD	Pack	er Set	From 4512				110 415 (1)	To 45		<u> </u>		<u></u>
2 3/8"	4410		4410		From 4012	<u>-</u>				To 45	050	<u>Injec</u>	LIUI	1)
	7710		,,,,,,		From					To				
					From					Tο				
17			ACID,	SHOT, FRACT	TURE, CEMENT	SQU	EEZE,	ETC.				<del></del>		
<u> </u>	Dept	h Interval				<u>-</u>		Amount and I	Gind of	Material U	seci			
4575'					Set (	CIB	W/1	LO'cmt	on t	top.				
<del>_</del>			· 	<del></del>										
48.		ATION RECOR			CIPAL GEOLO	GICA	L MAR		ORMA	TION TOP		leath .		
Format	aons		Depit	<u></u>	_		- comat	ucina				epth		
			····											
REMARKS In je	ection we	11.												
<del></del>														:
<del></del>	· ———		<del></del>											

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## 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 SPUD DATE: 9/13/59 COMPLETION: 9/29/59 County: LOVING, STATE: TEXAS Drilling comments: EL: 3073' GL: KB: 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. HOLE: 12 1/4" 8 5/8" 24# casing @ 540' cemented w/ 200 Well Type POW SURF. No other information available in public records TOC @ 3860' CIBP@ 4471' W/20' CMT DRLD OUT TO 4609' (PBTD) 2 3/8" tubing @ 4588' A W/3000 GLS 15% hv-60 ACID Delaware Perfs @ 4521' - 4604' PBD 4609' HOLE: 7 7/8" 4 1/2" 9.5 # @ 3515' - 4545'?' TD 4645 w/ 100 sx cement

	<pre># : : : : : : : : : : : : : : : : : : :</pre>

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SECTION II		DAT	A ON WELI	COMPLET	TION AND LO	G (Not R	equired on I	(eset)			<del></del>	
24. Type of Completion	_						25. P	ermit to D	r	DATE		MIT NO.
	New Well	Deepen	ing	Plug Back	Oth	er	D	eepen	6	/27/96		9434
26. Notice of Intention	to Drill this well	was filed in Name	of					ule 37			C	ASE NO
   Meridian Oi	Inc						L	xception vater injec	tion		PER	MIT NO
rier rarair or	i lic.						F	ermit				
27. Number of product this field (reservoir	ng wells on this l	lease in vell	28. Total nu	umber of acres			s	alt Water	Disposal		PER	MIT NO.
	95			9,440				ermit				
29. Date Plug Back, De		Commenced	Completed	·	ance to nearest we	eli.	°	ther			PER	MIT NO.
Workover or Drillin Operations:		7/9/96	   7/23/96	Same	e Lease & Reserv	oir						
	:	775750		/	249							
<ol> <li>Location of well, re of lease on which th</li> </ol>			<u> </u>	1992'	Feet fro	NOI			Line and	980	Feet f	
32. Elevation (DF, RK	B. RT. GR. ETC	2.)		West	Line of s directional surve	the E	Mar/Del	aware	<u>/Unit</u>		Lease	
3073	_,,,	,		tha	n inclination (W	-12)?			res	X No	•	
' '	5. Total Depth	36. P. B. D	epth 37.	Surface Casing	• 1		<del></del>		, [2	Dt. of	Letter 5-1	11-90
4521' 4	645'	4609'		Determined by	y:   Field   Rules		ommendation of road Commiss		т. –	Dt. of		
38. Is well multiple con	notetion? 3	9. If multiple con or Gas ID No.	pletion, list all	reservoir name	es (completions ir					40. Interv		Cable
Yes X	No	_	FIELD & RES	ERVOIR	İ	GAS ID OIL LEAS	or Oil-O SE Gas-G	V	VELL	Drille by:	10013	
41. Name of Drilling C	_									42 Is Com	nenting Affiday	<u> </u>
Pride	-		<del></del>	<del></del>						Attache	ed?	7
11100								<del>  -</del>			Yes X	No
43.			CASING	RECORD (Re	eport All Strings	Set in We	:11)					
CASING SIZE	WT #F	r. DEPTI	1961	MULTISTAGE		AMOUNT	1 11000	SIZE		P OF (ENT	SLURR cu. f	
8 5/8"	24#	540		TOOL DEPTH		NT (sacks)	12 1/		<del> </del>		ļ	
4 1/2"	9.5#	3515	4545	<del></del>	Unk sx Unk sx		7 7/8		Surf TOC@3		Unk. Unk.	
Plac		atch 4.5 K-5		ljt) at c				nd 84			5 LTC 11.	6# csq
<u>t</u> ie	back on to	csq.						#	UCA.	グイ		
44.		<del></del>		LINI	ER RECORD		<del> </del>				<del></del>	
Size		TOP		1	Bottom		Sacks	Cement		Ţ	Screen	
<del></del>												
45.					46. Producing l		: 1	Indiana.	danth of an	·faration of	anne bale	
Size	<del>,</del>	G RECORD	Packer	Sat	From 4521		is completion)	thateate	To 4		Open note	
2 3/8"	4588	560		361	From				То	004		<del></del>
	7300				From				To			
					From				To			
47.						23.55						
<del></del>	D	h fatauri	ACIU, SI	HOI, FRACT	URE, CEMENT	SQUEEZ		ad Viad a	f Material I	iend.		
CIBP@ 4471 w		h Interval			Drld	out t	o 4609'					
4521, -4604.	17 <u>C</u> C C C C C C C C C C C C C C C C C C	<u> </u>			A w/3	0000 q	1s 15%	HV - 60	acid			
18.	EUDIA	ATION RECORD	(I IST DEPT	THE OF POIN	CIPAL CIPILIA	CICAL M	ARKERS AN	D FORM	ATION TO	(PS)		
Formatio			Depth	or raily	THE GEOLG		mations		1		Depth	
•			<del></del>		<del>-  </del>				<u> </u>			
# V C												
with Form												
Ren Per	- //	olugged w			ed to pro	<u>auct1</u>	on.	<i>S</i>	<del>Z./</del>		<del></del>	
with Forms G. 1, W.2	67- 4-	12 02	<del></del>	dia	711.C	CA TC	· work					
with Forms G-1, W-2, and												
W-2, and offs	ì				_ <del></del>							/11
= 11 13	1 5											

## 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 SPUD DATE: 9/27/59 COMPLETION: 10/7/59 County: LOVING, STATE: TEXAS **Drilling comments:** EL: GL: KB: **Completion Comments:** Well Type CIW No other information available in public records HOLE: 12 1/4" 8 5/8" ?# casing @ 538' cemented w/ 250 SAX **CIR TO SURF** TOC @ 3855' CIBP @ 4510' W/20' CEMENT ON TOP (2/7/86)Delaware Perfs @ 4510' - 4634' HOLE: 6 3/4" 4 1/2" ? # @ 4685' TD 4685' w/ 130 sx cement

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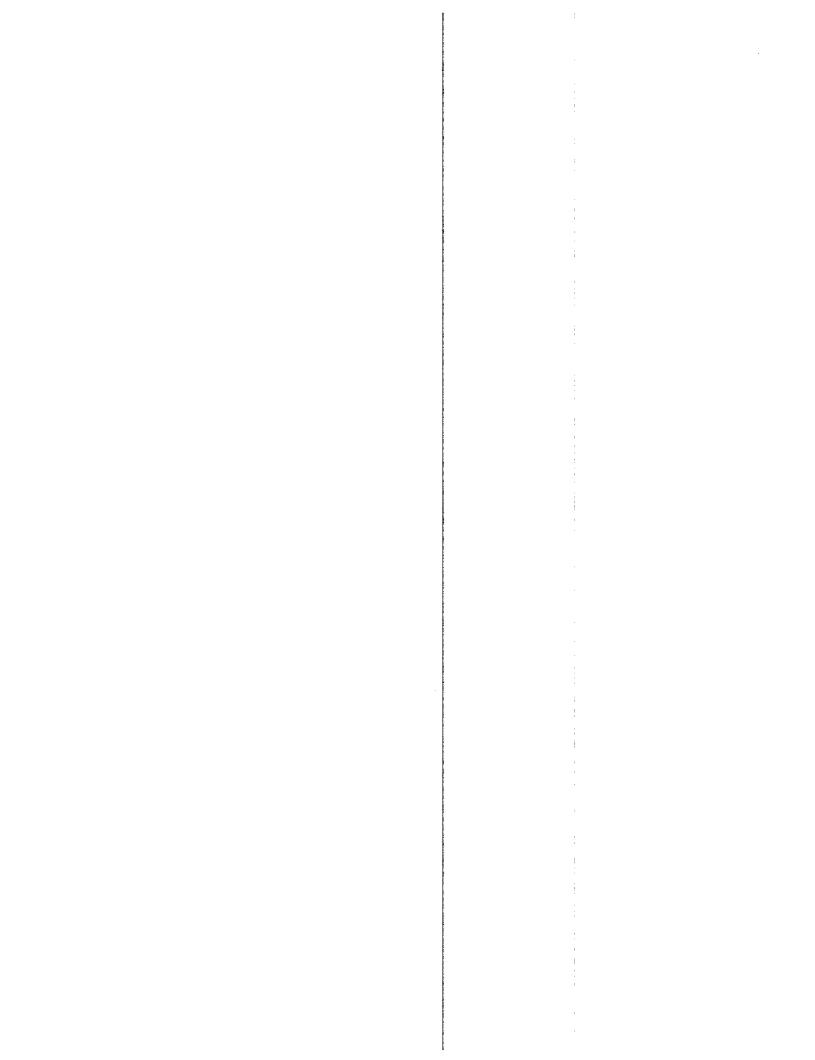
# Form H-5

	RAILROAD COMMISSION OF	TEXAS
7.74-96	Oil and Gas Division	
READ INSTRUCTIONS ON BACK	Disposal/Injection Well	

UIC CONTROL NO.

7.7/4-00	Oil and das Division	/	Dic Co
EAD INSTRUCTIONS ON BACK	Disposal/Injection Well Pressure Test Report		Type
PLEASE TYPE OR PRINT	•		FOR RE

PLEASE TYPE OR PRINT	ressure reservepore	FOR RRC USE ONLY
1. OPERATOR'S NAME UNION ROYALTY, INC.	HUCEVEDAS	2. RRC OPERATOR NO. 876825
3. ADDRESS 500 W. TEXAS	R.A.C OF TEAM	4. RRC DISTRICT NO. 8
SUITE 1460 MIDLAND, TEXAS 7970	JUL 05 1990	5. COUNTY LOVING
6. FIELD NAME (Exactly as shown on proration schere EL MAR (DELAWARE)	1ule) NPF 10,20. MID 280 19500	8. API NO. 42-301-00392
9. LEASE NAME EL MAR/DELAWARE/UNIT	10a. OIL LEASE 21246	E NO. 10b. GAS ID NO. 11. WELL NO. 1223W
12. REASON FOR TEST		RETEST? YES NO
☐ Initial Test Prior to Injection	NONE 15. WELL COMPLETION	If YES, see Instruction No. 5 size depth set
☐ After Workover	Surface Casing	8 5/8 538
☐ Annual Test Required By Permit	Long String Casing Tubing	4 1/2 4685 NONE
☐ Five-Year Test Required By Rule		
Other (Specify) WELL IS T/A WITH	16a. PACKER MAKE AND MOD: NONE	EL 16b. DEPTH SET N/A
CIBP ABOVE INJECTION INTERVAL @ 4510 W/20' CEMENT ON TOP.	17. AUTHORIZED INJECTION P	
18a. PERMITTED INJECTION INTERVAL	1	JECTION INTERVAL
Top 4453 Bottom 4588	Top 4553	- Bottom 4634
	3	TBING CASING SURFACE CSG.
Initial N/A		
15 min		
30 mm.		
20. CHARACTERISTICS OF INJECTION FLUID [see Instruction 4(e)]  N/A	21. CHARACTERISTI  see Instructions   N/A	CS OF ANNULUS FLUID 4 (e) and 4(f)
22. TEST WITNESSED BY RRC? YES NO If NO. see Instruction 4(a) If YES, Name of RRC Representative N/A	23. WERE OTHER TE THIS TIME?	ESTS/SURVEYS PERFORMED AT YES NO. If YES, List: N/A
24. OPERATOR COMMENTS ON TEST (attach sepa	rate sheet if necessary)	
THIS WELL WAS T/A BY TEXACO	NC. ON FEBRUARY 7,	1986. SEE ATTACHED W-15
25. WELL STATUS: 🗆 Active 🖾 Temporari	ly Abandoned D Other (Spec	rify)
CERTIFICATE:	7 71 5 50	Q 1
I declare under penalties prescribed in Sec. 91.143,		gnature
Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me	T. N. McKNIGHT, JR	PRESIDENT
or under my supervision and direction, and that data	Name of Person (type or print)	Title
and facts stated herein are true, correct, and complete, to the best of my knowledge.	Telephone No. (915) 686-199	1 Date 6-29-90



Cementen 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.	4. County of Weil Site  LOVING
5 Field Name (Wildcat or exactly as shown on RRC records)  EL MAR (DELAWARE)		6 ЛР No. 42-	7. Drilling Permit No.
8 Lease Name EL MAR (OC/AWARE) Unit	9. Rule 37 Case No.	10 OU Lease/Gas	1D No. 11. Well No. 1223

CASING CEMENTING DATA:		SURFACE CASING	INTER- MEDIATE	PROD	VCTION- SING	MULTI- CEMENTIN	STAGE G PROCESS
			CASING	Single String	OMANIDIE AS	Tool	Shoe
12. Cementing Date		9/28/59		10/8/59	114		
13. •Drilled hole size		121/4"		63/4"			
Est. % wash or hol	e enlargement						
14. Size of casing (in. O.	D.) .	85/2"		4 1/2"			
15. Top of liner (ft.)	<del></del>	0		0′			
16. Setting depth (ft.)		538		4685'			
17. Number of centralize	rs used	2		4			
18. Hrs. waiting on ceme	nt before drill-out						
19. API cement u	sed: No. of sacks	200		100		<u></u>	
Links 181	Class	A		Α			
	. Additives	6% Gel		4% G.1			
ţ <u>i</u>	No. of sacks	50		30		·	
2nd Slury	Class	Α		Α			
2r	Additives	HA5		LAtex			
3	No. of sacks	<b>-</b>					
3rd Slurry	Class	·					
ř	Additives	·					
20. Sturry pump	ed: Volume (cu. ft.) 🕨	·					
	Height (ft.)	•		3755'			
2nd	Volume (cu. ft.)	•					
7	Height (ft.)	•					
3.14	Volume (cu. ft.)	•					
ē	Height (ft.)	•					
Total	Volume (cu. ft.)	•					
	Height (ft.)	•					
<ol> <li>Was cement circulat (or bottom of cellar)</li> </ol>	ed to ground surface outside casing?	Yes					

CEM INTING 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 5"							
Depth to bottom of tubing or drill pipe (ft.)	4510'							
26. Sacks of cement used (each plug)	2							
27 Slurry volume pumped (cu. ft.)								
?8. Calculated top of plug (ft.)	4,490							
29. Measured top of plug. If tagged (ft.)	4510'							
30. Slurry wt. (lbs/gal)								
31. Type coment	Class	CIB	PE 45	vo' wit	\$ 20° C	ement	on to	0

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. CR	C Wireline,	Inc.	22 M	1. 1. 2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		
Name and title of cementer's representative		ting Company	Signatu	re			
2401 Catlin	Odessa,	Texas 79764	915	362-6351	2-7-	86	
Address	City.	State. Zip Code	Tel.: Area Code	Number	Date: mo.	day	ут
OPERATOR'S CERTIFICATE: I declare u certification, that I have knowledge of the true, correct, and complete, to the best of	vell data and informati	on presented in this repor	t, and that data and I				

Add	CIL	State 71- Cada	Tele Acce Code Novebbon	D-11	
Typed or printed name of operator's representative	Title		Signature		

#### 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 at 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 attom 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.

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## EL MAR/DELAWARE/UNIT # 1224 FORMERLY MERIDIAN OIL, INC.

(NMOCD # \_\_\_\_, API# 42-301-80193 ) 1992' FNL & 660' FEL

Section 3, BLR. 54, County: LOVING, STAT		SPUD DATE:11/7/59 COMPLETION: 11/18/59 Drilling comments:
EL: GL: KB:		Completion Comments:
HOLE: 12 1/4"	8 5/8" 24# casing @ 536' cemented w/ 200 Circ/SURF.	Well Type POW  No other information available in public records
	TOC @ 3900'	
	CIBP @ 4516' W/20' CMT(7/12/96)	
	PACKER @ 4555'	
	2 3/8" tubing @ 4555'	
	Delaware Perfs @ 4562' - 4648'	
HOLE: 7 7/8° TD 4695'	PBD @ 4658' 4 1/2" 9.5 # @ 4695' w/ 180 sx cement	DRLD OUT TO 4658' (PBTD) 7/12/96

Mary and the second sec	

Type or print only

# RAILROAD COMMISSION OF TEXAS Oil and Gas Division (1-23-72)



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

<b>∨</b>		A	PI No. 42- 301-80193	7. RRC District No.		
Oil Well Potential Test, Completion of	r Recompletion			- 08 8. RRC Lease No.		
I went offential rest, completion of	A Recompletion	i Keport, ar	id Log	21246		
1. FIELD NAME (as per RRC Records or Wildcat)	9. Well No.					
El Mar (Delaware)	1224					
3. OPERATOR'S NAME (Exactly as shown on P-5, Organization Burlington Resources Oil & Gas Con		RRC Operation 109338		10. County of well site  Loving		
4. ADDRESS		103330	<u> </u>	11. Purpose of filing		
P.O. Box 51810, Midland, TX 79710	0-1810			Initial Potential		
5. If Operator has changed within the last 60 days, name the form	mer operator					
Meridian Oil Inc. (561132) 6a. Location (Section, Block, and Survey)	6b. Distance and o	direction to neares	t town in this county.	Retest		
l 3 54 T&PRR	18 miles	northwest	of Mentone	Reclass		
12. If workover or reclass, give former field (with reservoir) & g FIELD & RESERVOIR	,	GAS ID or	Oil - O WELL NO.			
FIELD & RESERVOIR		OIL LEASE #	Gas - G	Well record only (explain in Remarks)		
13. Type of electric or other log run			<ol> <li>Completion or recompletion 7/12/96</li> </ol>	on date		
	ORTANT: Test sho		hours unless otherwise sp	pecified in field rules.		
8/18/96 24	Size & Type of pur	` -	(1.5"x24'	64/64"		
	as - MCF	Water - BBLS	Gas - Oil Ratio	Flowing Tubing Pressure		
Test Period 1	0	75	N/A	118 PSI		
	as - MCF	Water - BBLS	Oil Gravity - API - 60°			
Was swab used during this test?	22. Oil produced price	or to test (New & I	Reworked wells)	118 PSI 23. Injection Gas-Oil		
Was swab used during this test? Yes No X	None	`		Ratio		
REMARKS: Cleaned out wellbore and returne	d to producti	on.				
INSTRUCTIONS: File an original and one within 30 days after completing a well and w results of a potential test within the 10-day p back more than 10 days before the W-2 was completion or recompletion, fill in both sides	vithin 10 days after period, the effective as received in the I	r a potential tes e date of the al District Office.	<ul> <li>If an operator does no lowable assigned to the (Statewide Rules 16 a</li> </ul>	t properly report the well will not extend		
WELL TESTER'S CERTIFICATION  I declare under penalties prescribed in Sec. 91.143, T readings or (b) the top and bottom gauges of each tank above is true, correct, and complete, to the best of my	k into which production			potential sest data shown		
Signature: Well Tester	Name o	f Company	RRC Representative	OKP 3 STAL		
			MIDI	1996 AND CO		
OPERATOR'S CERTIFICATION I declare under the penalties prescribed in Sec. 91.142 prepared by me under my supervision and direction knowledge.	3, Texas Natural Resoun	rces Code, that La	a authorized to make this repe	ort, that this report was		
Donna Williams	<u> </u>	<u>Regulatory</u>	Compliance			
yped or printed name of operator's representative 1 \(\frac{15-688-6943}{99999999999999999999999999999999999	/ 30 / 96	Title of Person	/, (,	)		
715-688-6943 08 Telephone: Area Code Number Date: mo.	/ <u>30 / 95</u> day year	Signature	<u>~</u> <u>~</u> <u>~</u> <u>~</u>			
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SECTION II			DAT	A ON WEI	JL (	COMPLET	101	AND LO	)G (1	Not Requ	uired on Res	et)					
**. Type of Comple	etion										25. Perm	it to D			DATE	PE	RMIT NO.
	New Well Deepening Plug Back Other X										Plug Back or, Deepen						
25 Notice of Inter	tion to Deill this		e filed to Name								Rule	37					ASE NO.
25 Notice of Intention to Drill this well was filed in Name of									L	Exception F					11100 1115		
											Perm	•	10 <b>n</b>			PE	CMIT NO.
27. Number of pro-	ducing wells on	this lease	: 10	28. Total	num	ber of acres		<del></del>					Disposal			PE	RMIT NO.
this field (reser	voir) including	this well	!	in thi	s lea						Peru		- 10, 100-1				
						9,440					Othe			-		PE	EMIT NO.
29. Date Plug Back Workover or Di	, Deepening,	Co	nunenced	Complet	ed			to nearest vise & Reser									
Operations:	J	7/	′10/96 ¦	7/12/9	96	) 34,,,,,	٠	.so a. 1(230)									
31. Location of wel	I relative to ne	arest leas	e houndaries	) <del></del>		002,		Feet f		NI I-1			ine and		<u> </u>	Feet	Gan-
of lease on which				ŀ	_	.992' .ast		Line		North	ı ir/Delav		line and		<u> </u>	Leas	
32. Elevation (DF	, RKB, RT, GR	, ETC.)				33. Was		ctional sur	ey in	ade other	11 / 00 1 01	vai e	7 011 ( 0				
						than	inc	lination (V	/-1Z):	?	Ĺ	] Y	es	X	No	1	
34. Top of Pay	35. Total D	epth	36. P. B. D.	epth 37		rface Casing		Field	$\neg$	Recours	nendation of T	ישמי	R.		Dt. of	Letter	
4562'	4695'		4658'				i	Rules	_ <u>_</u>	Railroad	d Commission				Dt. of	Letter	
38. Is well multiple	completion?		If multiple com or Gas ID No.	pletion, list a	ll re	Servoir name:	s (cc	mpletions		s well) and AS ID or				40	). Interv Driile		Cable Tools
Yes	X No			FIELD & RE	SER	LYOIR				LEASE	Gas-G	W	ELL		by;	-   	1
41. Name of Driffin	ne Contractor	<del> </del>	<del></del>					<del></del>						42	. Is Cen	enting Affida	vit
Pride	ing Contractor			<del></del>		<del></del>		<del></del>			+			_	Attach		_
11140																Yes X	No
43.				CASING	RI	ECORD (Re	port	All String	s Set	in Well)							
CASING SIZE	wr	#/FT.	DEPTH	SET		ULTISTAGE		TYPE &		- 1	HOLE ST	ZE		OP C			Y VOL.
<u> </u>	0411		TOOL DEPTH CEMENT (sacks)								10 1 /41	CEMENT cu. R.					
5/8"	24# 9.5#									<u>2 1/4"   Surf.   Unk.</u> 7/8"   TOC@3900'   Unk.							
4 1/2	19.5#		4695	<del></del> +			+	<u>Unk</u> s	<u> </u>		1 110		1000	ŊЭ	<u> </u>	Unk.	
			<del>                                     </del>														
							_										
44.					_			ECORD		<del></del>				_			
Size			TOP		+		Bott	Otn		+	Sacks Cer	nent		+		Screen	
					+					<del></del>				+			<del></del>
<del></del>																	
45.	T	JBING R	ECORD				46.	Producing	Inter	val (this c	ompletion) Ir	dicate	depth of p	erfo	ration or	open hole	
Size		Depth Se	et	Pack	er S	et	F	<sup>rom</sup> 456	2'				To Z	64	8'		
2 3/8"	455	5'		4555				rom					To				
<del></del>								fom					To				
<del></del>														_			
47.	· · · · · · · · · · · · · · · · · · ·			ACID,	SHO	OT, FRACTI	URE	, CEMEN	T SQ	UEEZE,	ETC.						
		Depth In	nterval								Amount and	Kind o	f Material	Use	d		
CIBP@ 4516		cmt			_			Drld	ου	it to	4658	(PBT	D)		400	<u> </u>	
4562'-4648	<u> </u>			<del></del>				A_w/	<u> 300</u>	00 gls	s 15% H	V - 60	acio	1 +	- 100	U gls	je i
<u>brine</u>			<del></del>					<b> </b>									
			<del></del>					<u> </u>			<del></del>						
48.	F	ORMAT	ION RECORD	LIST DE	PTH	S OF PRINC	CIP	AL GEOL	OGIC	AL MAR	KERS AND	FORM	ATION T	OPS	i)		
Fori	nations		<del></del>	Dept						Forma			I			Depth	
													1				
D 50 ( ) 5 ( )																	
REMARKS	116-	no -	nd notice	nned t		anodat	· i ~	<u></u>								<del></del>	
Cleaned out	L WEILDC	ine a	nu retu	rneg to	١_ر	product	10	911.			<del></del>						
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#### **EL MAR/DELAWARE/UNIT #1311** FORMERLY

(NMOCD # \_\_\_\_, API# 42-301-0085 ) 660' FNL & 660' FWL SPUD DATE:11/1/59 COMPLETION: 11/13/59 Section 2, BLK. 54, T&P RR County: LOVING, STATE: TEXAS Drilling comments: EL: 3097' DF GL: KB:10' Completion Comments: TA: 8/27/82 Well Type TA No other information available in public records HOLE: 11" 7 5/8" 26.4# J-55 casing @ 477' cemented w/ 750 Circ/ SURF TOC @ 3839' CALC PLUG @ 4538' Delaware Perfs: 4588' - 4611' 4615' - 4630' @ 2JSPF OLDS PERFS: 4664' - 4684' @ 2JSPF HOLE: 6 3/4" PBTD:4712 2 7/8" 6.5# J-55@ ?" TD 4724' w/ 150 sx cement

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#### **EL MAR/DELAWARE/UNIT # 1312W** FORMERLY UNION ROYATY, INC.

(NMOCD # \_\_\_\_, API# 42-301-00855 )

660' FNL & 1650' FWL SPUD DATE: 3/29/59 COMPLETION: 4/13/59 Section 2, BLK. 54, T&P RR Drilling comments: County: LOVING, STATE: TEXAS EL: GL: KB: Completion Comments: PLUGED IN 11/29/96 CMT. PLUG @ 33' W/ 10 SAX CMT Well Type P&A'D (PROD) No other information available in public records 7 5/8" 24# casing @ 688' HOLE: 11" cemented w/ 300 SX CIR. CEMT PLUG @ 901' W/ 250 SAX CMT CMT PLUG @ 3030' W/ 70 SAX CMT. CIBP @ 3438' W/ 25 SAX CMT (1996) TOC @ 3459' 2 3/8" CGS 6.5# @ 3759' ( 1996) **LEFT IN WELL** Perfs @ 4600' - 4682' PBTD @ 4698' HOLE: 6 3/4" 150 SX CMT TD 4710'

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RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

T. N. McKnight, Jr. Typed or printed name of operator's representative

/3151 696-1991 03/04/94
Number Date mo day year

Form W-2

AN ENCEPTION D.	ated	<del></del>					Rev. 4, 483-		
Surface Casing		ĵ je	<del>-</del> }, /	400	API No. 2	<b>12</b> - 301-0085	7. RRC District No		
							08		
ON Well Poter	itial Test, Co	mpletio	n or Reco	ompletio:	n Repo	rt, and Log	8. RRC Lease No.		
		<del></del>				<del></del>	21246		
I. FIELD NAME (25 per RRC			2. LEASE NAM	_	(77		9. Well No.		
El Mar (Delay		5 0 11 1 11		/Delawar			1312W		
3. OPERATOR'S NAME (Exac	•	5. Organizati	on Reporti	RRC	Operator No.		10. County of well s		
Union Royalty 4. ADDRESS	/, inc.	<del> </del>			876825	<u> </u>	Loving		
	C., i h = 1460		and my	70701			11. Purpose of filing	, [	
500 W. Texas,				79701	<del></del>	<del></del>	Initial Potential	لـــا	
o. Il opciator has changes w	mini aux oo days, name	iornici opera							
6a. Location (Section, Block.	and Survey)		6b. Distance a	and direction to	nearest town	n In this county.	Retest	<u></u>	
The Southern (Section) Brooks			]			r in and dounty.		$\nabla$	
12. If workover or reclass, give	former field (with reserv	niri & gas ID	or oil lease no	GAS ID or	011 - 1	O WELL NO.	Reclass	فكا	
FIELD & RESERVOIR		J , S		OIL LEASE				$\left[ \mathbf{x} \right]$	
El Mar (Delav	vare) Sand		•				Well record only (explain in Rema		
13. Type of electric or other los	<del></del>			<u> </u>	14. C	ompletion or recompleti	<del></del>		
To Type of alcentia of other log	•					2/7/94			
<del></del>	<del></del>		<del></del>			-/./ 3 .	<del></del>		
19. Production during  Test Period	Oil - BBLS	Gas -	- MCF	Water - B	BLS	Gas - Oil Ratio	Flowing Tubing Pressure PSI		
20. Calculated 24-	Oil - BBLS	Gas -	- MCF	Water — B	BLS	Oil Gravity—API—60°	Casing Pressure		
Hour Rate 21. Was swab used during this	test?		22. Oil produces	d orior to test (i	New & Rewor	ked wells)	23. Injection Gas—Oil	PSI	
21. 7.40 2.40 2.50 3.51119 1	Yes No		<b></b>	- <b>F</b>			Ratio		
Reclass from									
30 days after cor results of a poten back more than	File an original an mpleting a well and itial test within the 10 days before the completion, fill in t	within 10 10-day per: W-2 was r	I days after a lod, the effect eceived in th	potential te live date of the District Of	st. If an op ie allowabl ffice. (Stat	erator does not pr e assigned to the w ewide Rules 16 an	operly report the ell will not extend d 51) To report a		
readings or (b) the top	RTIFICATION ties prescribed in Sec. 9: a and bottom gauges of ea and complete, to the be	ch tank into v	vhich productior	s Code, that I co n was run during	nducted or signification	upervised this test by ob other certify that the pot	oservation of (a) meter ential test data shown		
Signature: Well Test	er		Name	of Company	RRC Re	presentative			
	<del> </del>		<del></del>						
OPERATOR'S CERTIFIED I declare under penalt by me or under my su	TICATION les prescribed in Sec. 91. apervision and direction	143. Texas Na	tural Resources (	Code, that I am a	uthorized to rue, correct, a	nake this report, that th and complete, to the bes	is report was prepared st of my knowledge.		

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ECTION II			D.12	CA CN 117	73.1.00													
			DA	A UN W	ELL CC	OMPLETION	N AZ	ND LOG (	Not	Required								
. Type of Comp	netion: New Wel	. [	Deeper	ung [	] ,	Plug Back		7 01	her			25. Pern Plug D <del>ee</del> p	Back of			DATE	Р	ERMIT NO
						····s						Rule	37	-				CASE NO
Notice of Inte	ntion to Drill t	his we	ell was filed i	n Name	oſ							Exce	ption					
												Wate	r Injec	tion			P	ERMIT N
			· · · · · · · · · · · · · · · · · · ·									Pern					F	1182
Number of pr	oducing wells of ervoir) including	on this	s lease in	1	tal num this lea	iber of acre	5					Salt	Water	Dispos	al		Р	ERMIT NO
	citon, maaani	ės										Othe						CDL (IT N
Date Plug Bac	k Deepening		ommenced	Com	pleted	30. Dista	nce	lo nears	01 11/6		$\dashv$	Othe	: i				r	ERMIT NO
WorkOver or D Operations:	Ortlling			]	,	1		ase & Re										
	ell, relative to ne			ies	7	L		Feet	Fron	n			Li	ne and			Fee	from
			<u> </u>		<u>i                                    </u>	<del>,</del>		Line									Lea	×
Elevation (DF.	RKB. RT. GR. E	TC.)				33. Was o				made ot 1 W—12]?			Ye	3	[	No		
Top of Pay	35. Total Dep	pth	36. P. B. D	epth		urface Casi			7	Bassan			T D 112			D1 -61		
	4709				L	etermined	- 1	Rules		j.		lation of mmissio		1	Ī	Dt of I		
is well multiple			f multiple cor	npletion.	list all	reservoir na				s in this	well	and Oil	Lease		40	). Interva	uls , Rota	
		9	or Gas ID No. F							IAS ID or L LEASE		011—0 G <b>as</b> —G	W	ELL •		Drilled by:	l   T∞o 	ls   Tool I
Name of Drilli	ng Contractor	<del>                                     </del>	<del></del> .					<del></del>			+				142	la Cerr	enting Aff	ldavit
	J								-		+-				⊣"	Attach		
											+				7		Yes	No
		<del></del>		CAS	ING RE	CORD (Re	pon	t All Strit	ıgs S	Set in We	:11)							
CASING SIZE	WT *	/FT.	DEPTH		. I HOLE SIZE I					TOP OF SLURRY VOL.								
7 5/8	2	4#	6	TOOL DEPTH CEMENT (sacks)  688 Unknown 300						-	11 Su:				urf. Unknow			
2 7/8	6.		471							6 3/4   3459				Unknown				
											L							
					<del></del>			ECORD										
Size			ТОР			E	3otti	om		<del></del>		Sacks Ce	ment		Screen			
					+					<del> </del>					+			
										1	<del></del>						· · · · · · · · · · · · · · · · · · ·	
	าบช	ING R	ECORD			4	16.	Producin	g int	erval (thi	s co	mpletion	) Indic	ate dep	th o	í perfora	tion or ope	n hole
Size	<del></del> -	Depth			cker Se		Fro	om		4 5	44			То		4	694	
1 1/2	3	940			3943	3	Fro	om						То				
								rom To										
					<del></del>		Fro	om						То			·	
			<del></del>	ACID.	. SHOT	, FRACTUR	E. C	EMENT	<b>SQU</b>	EEZE. E	TC.							
		Depth	Interval				T					ount an	d Kind	of Mai	erial	Used		
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			<del></del>					<del></del>										
	EV.	RMATT	ON RECORD	(LIST DE	EPTHS	OF PRINCI	PAI	GEOLO	HC A	I. MARKE	ERS	AND FO	RMATT	ON TO	PSI			
Fort	nations		1	Dep			T			Formati						D	epth	
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FORM W = 3 Rev. 12/93

XX	IL AND GAS DIVIS	ION	KG7. (27)
- (   1 h 108 11		API NO. 42-301-00855	RRC District
FILE IN DUPLICATE WITH DISTA	PICT DEFICE OF DIS		08
WELL IS LOCATED WITHIN			4 RRC Lease or Id.
EI Mar (Delaware)	13 Lease Name El Mar/Delawa		5. Well Number
6. OPERATOR	ou. Original Form W-1		1312W
Burlington Resources Oil & Gas Company			Loving
7. ADDRESS P.O. Box 51810 Midland, Texas 79710-1810	65. Any Subsequent W+1	l's Filed in Name of	11 Date Orilling Permit (saued
8. Location of Well, Relative to Nearest Lease Boundaries			112 Permit Number
of Lease on which this Well is Located	West Line of the El Ma	ar/Delaware/Unit Lease	letter
Sec. 2, Blk 54, T-1, T & P Survey	95. Distance and Direct County	ion From Nearest Town in this est of Mentone, Tx	13 Dare Drilling Commenced
16. Type Well   Total Depth 17 If Multiple Completion L	ist Ail Field Names and Oil	Lease or Gas ID No.'s	3/29/59 /
injection 4710'		GAS ID or Oil - O WELL OIL LEASE # Gas-G #	4/13/59
18. If Gas, Amt. of Cond. on Hand at time of Plugging			15. Date Well Plugged
	<del></del>		11/29/96
CEMENTING TO PLUG AND ABANDON DATA:	PLUG #1 PLUG #2 PL	UG #3 PLUG #4 PLUG #5 PL	UG = 6   PLUG = 7   PLUG =
*19. Cementing Date	11/26/96/11/29/96 11	378	
20. Size of Hole or Pipe in which Plug Placed (inches)		7 5/8	<del></del>
21 Depth to Bottom of Tubing or Drill Pipe (ft.)	<sup>2</sup> 13030	11 33	<del></del>
1.22. Sacks of Cement Used (each plug)	70 25 25	50 - 10 -	
*23. Sturry Volume Pumped (cq. ft.)	92.4 33 31	30 13.2	
*24 Calculated Top of Plug (ft.)	3393 3256		
25. Measured Top of Plug (if tagged) (ft.)	3430	my out	
*26 Sturry Wt. # Gal.	14.8 14.8	14.8 1 14.8	· · · · · · · · · · · · · · · · · ·
*27. Type Cement	Plus Plus Plu	emium   Přemium   /	
28 CASING AND TUBING RECORD AFTER PLUGGING		ny Non-Drillable Material (Other Lasing) Left in This Well	Yes X N
SIZE WT. = /FT., PUT IN WELL (fr.); LEFT IN WELL (fr.)	HOLE SIZE(in.) 29a, ff answ	ver to above is "Yes" state depth	to top of "junk" left in "in
7 5/8"/ 24 688" / 688" /		ielly describe non-drillable materia I more space is needed.)	al. Use Reverse Side "
2 7/3" 6.5 4709 3759	6 3/4"	,	
30 LIST ALL OPEN HOLE AND/OR PERFORATED INT	ERVALS		<del></del>
FROM 4600' TO 4682'	FROM	TO	·
FROM TO	FROM	TO	
	FROM	TO	
	FROM	то	~
FROM TO	FROM	то	
FROM TO			HECEIVES.
I have knowledge that the cementing operations, as reflected	by the information found on t	this form, were performed as indica	red by Ald Gow HOUTEY
* Designates items to be completed by Cementing Company. I	tems not so designated shall	53 completed by Operator.	0.400
V · 6 +			DEC 1 3 199
fern Caralher	<u>Ha1</u>	liburton Energy Services	
Signature of Cementer or Authorized Representative	Nam≠ ol	Cementing Company	MIDLAND, TE
CERTIFICATE			
I declare under penalties prescribed in Sec. 91.143			
report was prepared by me or under my supervision a	and direction, and that data as	nd (acts stated therein are true, com	rrect, and complete,
1 110 5000) 51 1117		Ðr-	
1 / 10	Regulatory	A. B. ET SEIVED	915-688-6943
Sono Williams		Phon	A/C NUMBER
REPRESENTATIVE OF COMPANY	TITLE	DECT	A/C NUMBER
+ A - 0 -	-	U 4 199A)	
With hot Welnes			
SIGNATURE: REPRESENTATIVE OF RAILROAD COMMIS	SION	MIDLAND, TEXAS	
			<b>~</b> .

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### EL MAR/DELAWARE/UNIT # 1313

FORMERLY

(NMOCD # \_\_\_\_, API# 42-301-8020500) 660' FNL & 2310' FEL

Section 2, BLK. 54, T&	PRR	SPUD DATE:5/6/60 COMPLETION: 5/20/60
County: LOVING, STATE: EL: 3086' GR	IEXAS	Drilling comments:
3095' DF		Completion Comments:
3333 5.		Well Type POW
	7.5(0).044.000;00.000	No other information available in public records
HOLE: 11*	7 5/8" 24# casing @ 690' camented w/ 300 Circ/SURF	
	TOC @ 3850' (CIRC)	
	, 00 & 0000 (0.110)	
/2" J-55 TBG @ 189'	BAKER BRIDGE PLUG @ 4239' W/ 10' CMT ON TOP	
	Delaware Perfs	
	@ 4611' - 4620' @ 2JSPF -	
	OILDS PERFS: @ 4685' - 4692' @ 2JSPF	
HOLE: 6 3/4" APBTD: 4733	2 7/8" 6.5 # @ 4746'	
TD 4746'	w/ 150 sx cement	
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### EL MAR/DELAWARE/UNIT # 1314W

FORMERLY UNION ROYALTY, INC. (NMOCD # \_\_\_\_, API# 42-301-00860 ) FL & 'FL Section 2, BLK. 54, T&P RR SPUD DATE:3/15/62 COMPLETION: 4/2/62 County: LOVING, STATE: TEXAS Drilling comments: EL: GL: KB: Completion Comments: Well Type WIW No other information available in public records HOLE: 11" 7 5/8" 24# casing @ 754' cemented w/ 350 CIRC TO SURF. TOC @ 3650' 1 1/2" tubing @ 4406' PACKER @ 4410' Delaware Perfs @ 4585' - 4735' 2 7/8" 6.5# @ 4649' HOLE: 6 3/4" TD 4664' w/ 250 sx cement

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RAILROAD COMMISSION OF TEXAS Type or print only Form W-2 Oil and Gas Division Rev. 4/1/83 Enception Cased 483-046 ວິພາໂຄດສ Carina API No. 42-301-00860 7. RRC District No. 5- 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 9. Well No. El Mar/Delaware/Unit El Mar (Delaware) 1314W 3. OPERATOR'S NAME (Exactly as shown on Form P.5. Organization Report) RRC Operator No. 10. County of well site 876825 Union Royalty, Inc. Loving 11. Purpose of filing 4. ADDRESS 500 W. Texas, Suite 1460, Midland, TX 79701 Initial Potential 5. If Operator has changed within last 60 days, name former operator Retest 6a. Location (Section, Block, and Survey) 6b. Distance and direction to nearest town in this county. 20 Miles North Blk. 54, T&P RR of Mentone Reciass 12. If workover or reclass, give former field (with reservoir) & gas ID or oil lease no. GAS ID or 011 - 0 WELL NO. OIL LEASE FIELD & RESERVOIR Gas · G Well record only (explain in Remarks) Mar (Delaware) 14. Completion or recompletion date 13. Type of electric or other log run 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-18. Choke size Size & Type of pump) 19. Production during OIL - BBLS Gas - MCF Water - BBLS Gas - Oil Ratio Flowing Tubing Pressure Test Period PSI Water - BBLS 20. Calculated 24-OIL BBLS Gas - MCF Oil Gravity-API-60° Casing Pressure Hour Rate PSI 21. Was swab used during this test? 22. Oil produced prior to test (New & Reworked wells) 23. Injection Gas-Oil Yes No Ratto 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. N. McKnight, President Typed or printed name of operator's representative (915) 686~1991 03 04 94

Telephone: Area Code

Date:

day

year

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SECTION I			DAT	A ON WE	LL COMPLETI	ON A	ND LOG (Not Re	quired	on Retest)					
24. Type or Compl	letion: New Well		Deepen	ing	Plug Baci	, [	Other		25. Permi Plug E Deepe	Back or		DATE	PER	MIT NO.
								<del></del>	Rule 3				C.	ASE NO
26. Notice of Inten	ition to Drill th	iis well	was filed i	n Name o	ſ				Excep				nen	MIT NO
									1	Injecti	on			
27. Number of pro	duoted wells o	n this	lease in	28 Total	I number of ac				Permi Sair V	l Jaier D	enocal		F 11	L 8 Z
	rvoir) including				i number orac its lease	IUS.			Permi		sposa		101	14111 140
									Other				PER	MIT NO
29. Date Plug Back WorkOver or D Operations:		Cor	nmenced	I Compi I I			e to nearest well, case & Reservoir							
31. Location of wel			ase boundar	ies			Feet From		<del>h.,</del>	Lin	and		Feet (r	om
of lease on whi	ch this well is le	ocated		_			Line of the						Lease	
32. Elevation (DF.	RKB, RT, GR. E	TC.I					ectional survey n clination (Form \			Yes		No		
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38. is well multiple	completion?		Cas ID No.	·	ist all reservon tESERVOIR	rnan		in this S ID or LEASE	1 011-0 1	Lease WE	LL	40. Intervi Drilled by:		Cable   Tools
41. Name of Drillir	od Contractor	ļ	<del> </del>						<del>  </del>			42 Is Cen	nenting AMd	
41. Name of Dimir	ig Contractor	<b> </b>							++			Attach		
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47.				ACID	SHOT EDACT	7105	CEMENT SOLIE	F75 F	TC					
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48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL ( Formations Depth					Format					Depth				
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#### **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 SPUD DATE:12/9/59 COMPLETION: 12/25/59 County: LOVING, STATE: TEXAS Drilling comments: EL: GL: KB: Completion Comments: Well Type WIW No other information available in public records HOLE: 11" 7 5/8" ?# casing @ 515' cemented w/ 250 Circ TOC @ 3820' CIBP @ 4200\* HOLE: 6 3/4" 2 7/8" ? # @ 4726' TD 4728' w/ 150 sx cement

EL MAR/DELAWARE/UNIT #1322
FORMERLY
(NMOCD # \_\_\_\_, API# 42-301-00854)
1980' FNL & 1650' FWL

Section 2, BLK. 54, T&P		SPUD DATE:3/19/60 COMPLETION:4/16/60
County: LOVING, STATE: T	EXAS	Drilling comments:
EL: 3080'		
GL: KB:11'		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	
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	TOC @ 3810'(CALC)	
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<u>-4.1</u>	RAMSEY Perfs : 4590' - 4596'	<del></del>
	4600' - 4609'	
	OLDS PERFS:	
	4648' 4654' 4660'	
HOLE: 6 3/4" PBTD: 4699	2 7/8" 6.5# J-55 @ 4710'	
TD: 4710'	w/ 150 sx cement	

### EL MAR/DELAWARE/UNIT # 1323

FORMERLY UNION ROYALTY, INC.

(NMOCD # \_\_\_\_, API# 42-301-80209 ) 1980' FNL &2310 ' FEL

Section 2, BLK. 54, T&P		SPUD DATE:4/26/60 COMPLETION: 5/11/60
County: LOVING, STATE: T	EXAS	Drilling comments:
EL: GL: KB:		Completion Comments:
GL. KB.		Well Type P&A'D (INJ.)
		No other information available in public records
HOLE: 11*	7 5/8" ?# casing @ 691' cemented w/ 300 Circ	
	TOC @ 3860'	
	PACKER @ 4360'	
	1 1/2" tubing @ 4360'	
	Delaware Perfs @ 4595' - 4624'	
HOLE: 6 3/4"	2 7/8" ? # @ 4744'	
TD 4734'	w/ 150 sx cement	

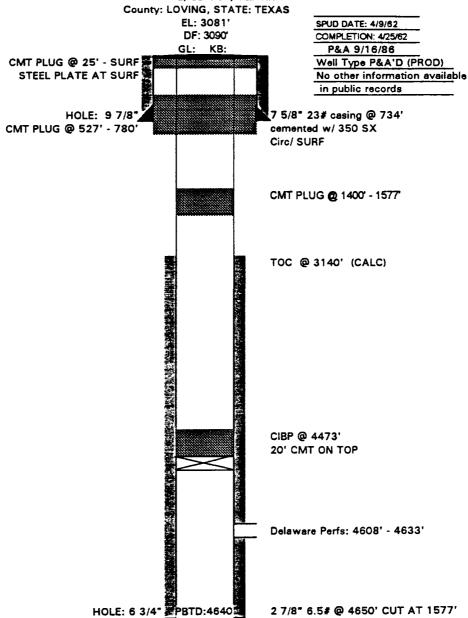
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#### **EL MAR/DELAWARE/UNIT #1324**

FORMERLY

(NMOCD # \_ \_, API# 42-301-8021) 1320' FNL & 1650' FEL

Section 2, BLK. 54, T&P RR



TD: 4650'

w/ 200 sx cement

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# 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

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#### 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

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Enclosure

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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.

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#### AFFIDAVIT OF PUBLICATION

State of New Mexico, County of Lea.

I, KATHI BEARDEN
Publisher
of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.
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weeks.
Beginning with the issue dated
July 15 1997 and ending with the issue dated
Kathi Bladen by JA  Publisher  Sworn and subscribed to before
me this 15th day of
1997
Adi Densou Notary Public.

July 15, 1997 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,

Ouay Valley, Inc., P.O. Box 10280, Midiand, Texas; 79702, 915/687-4220.

#15318

**LEGAL NOTICE** 

This newspaper is duly qualified of publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

My Commission expires October 18, 2000

(Seal)

01102087000 01509419 Quay Valley, Inc. P.O. Box 10280 a/c 434005 Midland, TX 79702

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### **EXHIBIT 12**

