Case No.

4684

Large Exhibits

V.R.W.C.F. MICROGRAPHICS

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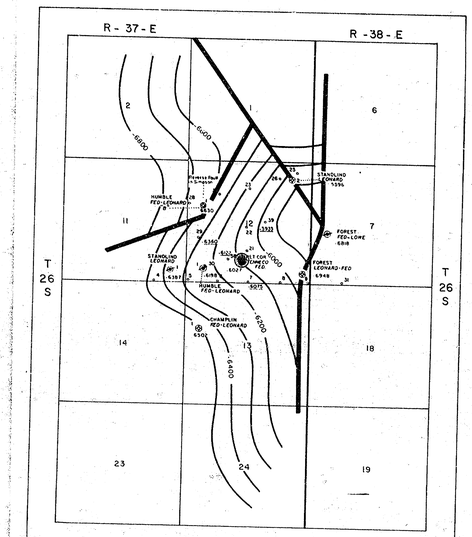

Maximum acreage to be earned by The Petroleum Corporation under farmout agreement from Tenneco, limited, however, to state approved proration unit.

THE PETROLEUM CORPORATION

DUBLIN PROSPECT

LEA COUNTY, NEW MEXICO

STRUCTURE MAP

CONTOURS DEVONIAN INTERVAL 100'

SCALE 1" = 2,000'

N.M.O.C.D. MICROGRAPHICS

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R - 37 - E

R - 38 - E

T 26 S

T 26 S

JUSTIS

DUBLIN

LEONARD

SO. LEONARD

SO. LEONARD (ON) UNIT
TEXAS PACIFIC (OPER.)

Getty Oil "A"
049439

Getty Oil "B"
049499

Bright & Schiff
Shell-St 1

Yuronka
Spear-St 1

Resler & Sheldon
Betty Sue 2

Tidewater 5

Ralph Lowe, Est.
0889

Ripps
U S Mi

M.D. Self
U S Mi

State

Tenneco
HBP
7951

Stanolind 2

Humble
I-B

Magnolia
Hanna 1

Forest
Dow
889 Gas
to Tenneco

Plymouth 1

3-N

Midwest 1

Humble

Petroleum Corp.

Forest 1

Leonard
U.S.

U.S.

Tenneco
7951

Champlin 1

Tenneco
HBP
7951

Pan Amer.
2593

Midwest 2

8

Leonard
U.S.

Tenneco
7952

Texas Pacific
032510

R. Lowe
Horizon 1

Pan Amer.
2593

Karener
Lowe-Fed 1

U.S.

THE PETROLEUM CORPORATION

DUBLIN PROSPECT

LEA COUNTY, NEW MEXICO

PRODUCTION MAP

SCALE: 1" = 1,000'

LEGEND

SEVEN RIVERS
QUEEN
ELLENBERGER
BLINEBERRY
DEVONIAN

#2

N.M.O.C.C. MICROGRAPHICS

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DUAL INDUCTION-LATEROLOG

Schlumberger

COMPANY THE PETROLEUM CORPORATION

WELL TENNECO FEDERAL #1

FIELD WILDCAT

COUNTY LEA STATE NEW MEXICO

LOCATION 990' FSL & 2310' FWL

Other Services: SNP

Sec. 12 Twp. 26-S Rge. 37-E

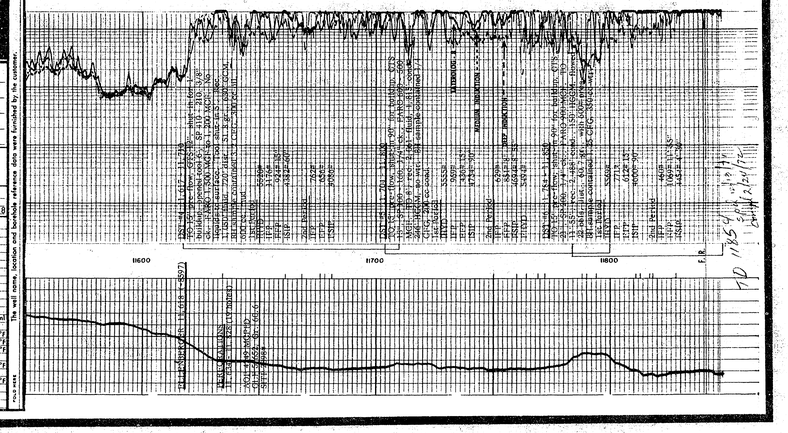
Permanent Datum: G.L. Elev. 3000.8 Elev.: K.B. 3021

Log Measured From K.B. 20.2 Ft. Above Perm. Datum D.F.

Drilling Measured From K.B. G.L. 3000.8

Date	7-16-72					
Run No.	ONE					
Depth—Driller	11854					
Depth—Logger	11846					
Btm. Log Interval	11841					
Top Log Interval	3793					
Casing—Driller	8 5/8@ 3790	@		@		@
Casing—Logger	3793					
Bit Size	7 7/8					
Type Fluid in Hole	GEL					
Dens. Visc.	9.0 40					
pH Fluid Loss	9.5 12.2 ml		ml		ml	ml
Source of Sample	CIRC					
R_m @ Meas. Temp.	1.1 @ 70 °F	@ °F		@ °F		@ °F
R_{mf} @ Meas. Temp.	.15 @ 63 °F	@ °F		@ °F		@ °F
R_{mc} @ Meas. Temp.	1.4 @ 63 °F	@ °F		@ °F		@ °F
Source: R_{mf} R_{mc}	M	M				
R_m @ BHT	.54 @144 °F	@ °F		@ °F		@ °F
Time Since Circ.	12 HOURS					
Max. Rec. Temp.	144 °F	°F		°F		°F
Equip. Location	7646 HOBBS					
Recorded By	WILSON					
Witnessed By	HAMILTON					

The well name, location and borehole reference data were furnished by the customer.



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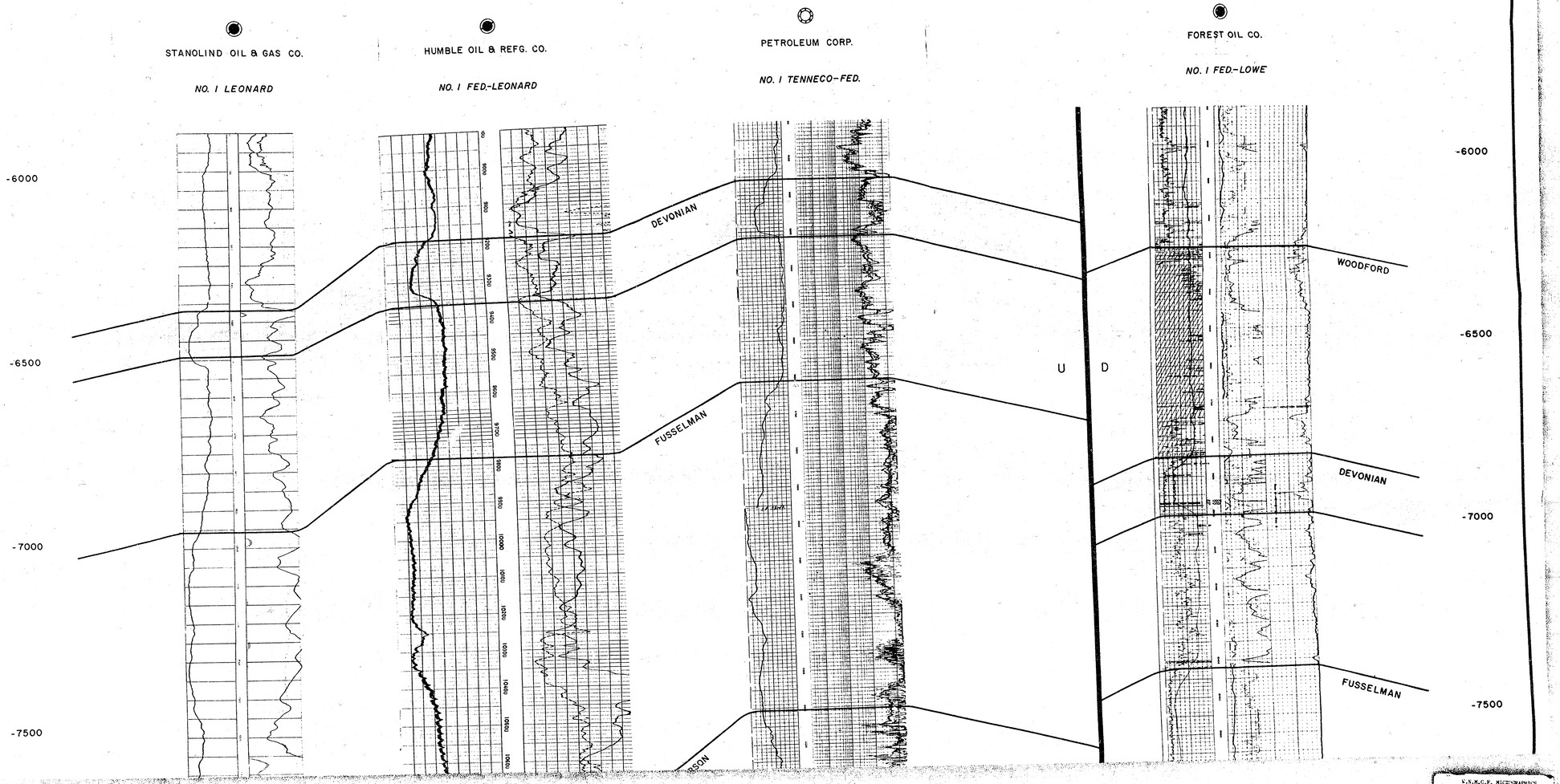
CROSS SECTION

DUBLIN PROSPECT

LEA COUNTY, NEW MEXICO



N.M.G.P. MICROGRAPHICS
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-6500

-7000

-7500

-8000

-8500

-9000

-9500

FUSSELMAN

SIMPSON

McKEE

ELLENBERGER

BASEMENT

11935 F.R. & T.D.

U

D

DEVONIAN

FUSSELMAN

SIMPSON

McKEE

ELLENBERGER

-6500

-7000

-7500

-8000

-8500

-9000

-9500

DST #3 11,870 - 11,891

TO 45", 5/8" ck., WC to surface in 35", gas & cond. in 38", FARO 10,000 MCF, 480 BC, SP 3500-3800, BHP 5000, GOR 20,000-1

DST #4 11,881 - 11,913

TO 1'35", 1/2" ck., WC to surface in 27", oil in 37", FARO 3,972 MCF, 1,680 BO, GOR 1,660-1

DST #7 11,948 - 11,968

TO 2', 3/8" ck., rec. WC & 540' sulphur wtr.

PERFS. 11,890 - 11,933

IPF 287 BOPD 9/32" ck.
GOR 2465, FTP 500
FCP 2050 FP 1050
11-20-44

Cumulative Production

39,460 BO + 23,946 BSW
P&A 1-23-47

DST #6 11,890 - 11,948

TO 6'40", WC to surface in 41", gas in 45", oil in 50", FARO 1,700 MCF, 960 BO, GOR 1,719-1

DST #4 11,617 - 11,710

TO 15" pre-flow, GTS 12", shut in 1", for buildup, reopened tool for SIP 810-270, 5/8 ck. FARO 1,500 MCF to 1,200 MCF. No liquids to surface. Tool shut in 5" Rec. 1,050' fluid, 720' dist. 51.8 gr., 630' GCM. BH sample contained 3.2 CFG, 300 cc oil, 600 cc mud.

1st Period
IHYD 5520#
IFP 1176 #
FFP 924 # 15 min.
ISIP 4382# 60 min.

2nd Period
IFP 762 #
FFP 656 #
FSIP 4086#

DST #5 11,704 - 11,800

TO 15" pre-flow, shut in 90" for buildup, GTS 13", SP 100-160, 1/4" ck., FARO 600 - 500 MCF. TO 8 hrs. rec. 2,061 fluid, 1,810' cond. 246' HGCM, no wtr., BH sample contained 1/4 CFG, 200 cc cond.

1st Period
IHYD 5555#
IFP 969 #
FFP 436 # 15 min.
ISIP 4734# 90 min.

2nd Period
IFP 629 #
FFP 851 # 8 hrs.
FSIP 4694# 8 hrs. 55 min.
FHYD 5494#

DST #6 11,784 - 11,850

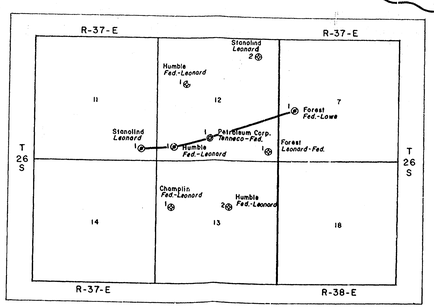
TO 15" pre-flow, shut in 90" for buildup, GTS 21", SP 200, 1/4" ck., FARO 900 MCF. TO 11' 55" rec. 2468' cond., 150' HGCM, flowed 22 bbls. dist., 60.7 gr., with 600# pres. Bit sample contained 1.25 CFG, 350 cc wtr.

1st Period
IHYD 5569#
IFP 771 #
FFP 612 # 15 min.
ISIP 4600# 90 min.

2nd Period
IFP 460 #
FFP 1069 # 1 hrs. 55 min.
FSIP 4454# 4 hrs. 30 min.

PERFS. 11,634 - 11,828

AOF 4240 MCFPD
GLR 5,652 - 0.50 BOPD
SITP 2898 # 2-26-72



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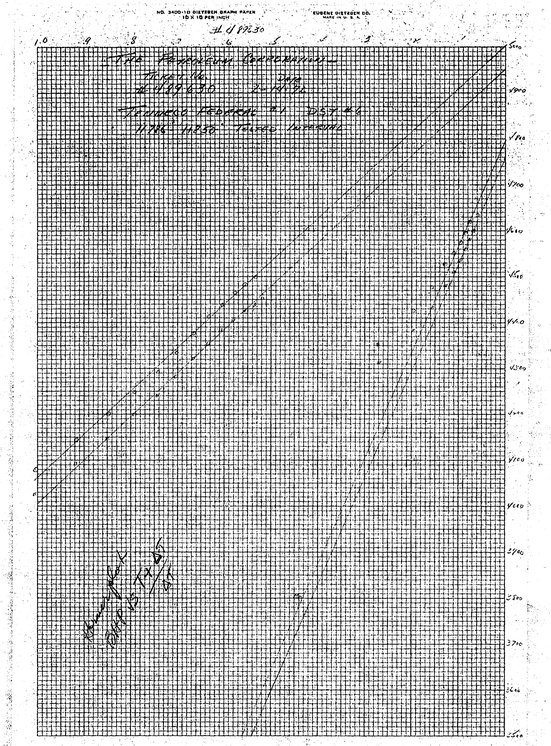
BEFORE EX
OIL CONSE
CASE



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