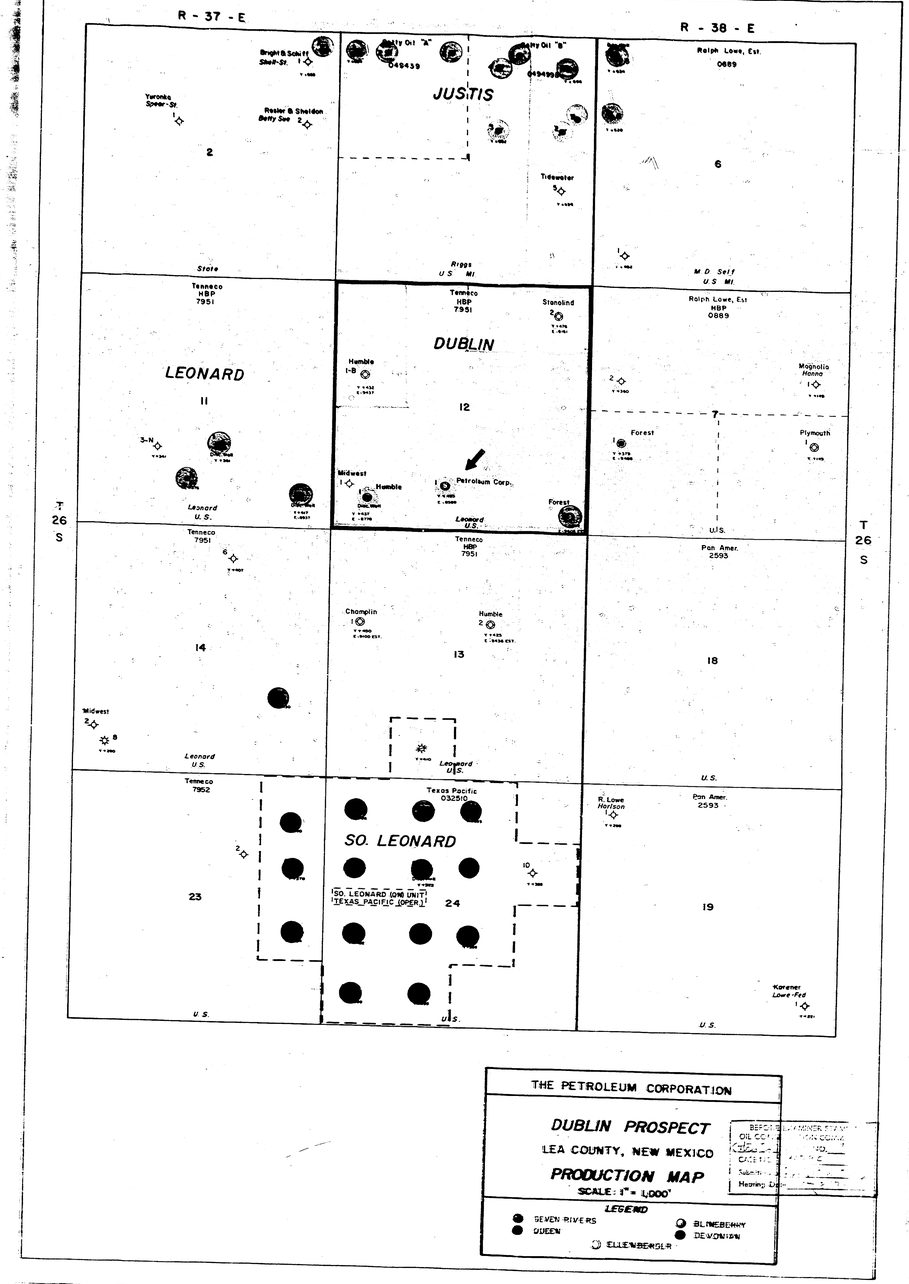
Case No
4790

Large Exhibits


R - 37 - E
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T 26 S
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JUSTIS
DUBLIN
LEONARD
SO. LEONARD
2
6
11
12
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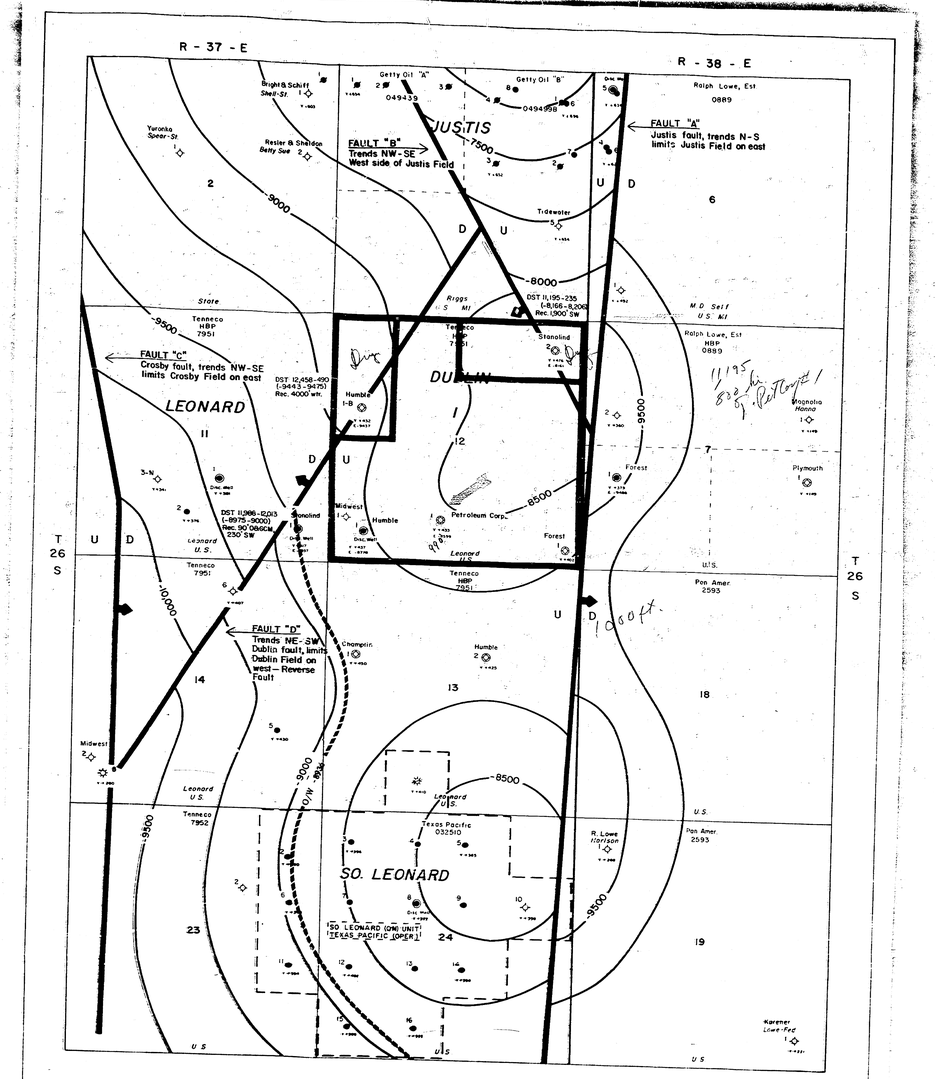
14
13
18
23
24
19
Bright & Schiff Shell-St. 1
Yarnko Spear-St. 1
Reiser & Sheldon Betty Lee 2
State
Tenneco HBP 7951
Humble 1-B
3-N
Midwest 1
Humble 1
Petroleum Corp.
Leonard U.S.
Stanolind 2
Forest 1
Ralph Lowe, Est. 0889
Ralph Lowe, Est HBP 0889
Magnolia Hanna 1
Plymouth 1
U.S.
Champlin 1
Humble 2
Midwest 2
Leonard U.S.
Texas Pacific 032810
R. Lowe Harrison 1
Pan Amer. 2593
Karsner Lowe-Fed 1
U.S.
Tidewater 5
Ripps U.S. MI
M.D. Self U.S. MI
SO. LEONARD (DEN UNIT) TEXAS PACIFIC (OPER.)
THE PETROLEUM CORPORATION
DUBLIN PROSPECT
LEA COUNTY, NEW MEXICO
PRODUCTION MAP
SCALE: 1" = 1,000'
LEGEND
SEVEN RIVERS
QUEEN
BLINEBERRY
DEVONIAN
ELLENBERGER



THE PETROLEUM CORPORATION

DUBLIN PROSPECT

LEA COUNTY, NEW MEXICO

STRUCTURE MAP

CONTOURS ELLENBURGER INTERVAL 250'

SCALE 1" = 1,000'

PRODUCTION LEGEND

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 4
CASE NO. 4170

HUMBLE OIL & REFG. CO.

LEONARD FEDERAL NO. 1

DUBLIN FIELD AREA
LEA COUNTY, NEW MEXICO

CORES

11,825 - 11,840
Rec. 3' dolomite

11,840 - 11,858
Rec. 3' lime

11,870 - 11,887
Rec. 1½' hard brown fractured dolomite. Core bbl. fouled

11,887 - 11,891
Rec. 2' dark brown medium to slightly vugular dolomite with fractures & some dark stain along fractures & pinpoint porosity

11,901 - 11,913
Rec. 1' broken dolomite

11,948 - 11,969

DRILLSTEM TESTS

DST #2
11,800 - 11,870
WB 4500#. Tool open 1 hr., rec. almost identical to DST #1 except bottom 30 stands OD & GC. Slight amount green oil rec.

DST #3
11,810 - 11,858
4500# WB - 5/8" ck. Tool open 20 min., pkr failed. DP was dry in first 61 stands, then unloaded GCWB while pulling 3 stands. Next 33 stands were dry & remaining stands heavily G & DCWB & TM which blew gas on each stand.

DST #3
11,870 - 11,891
5/8" ck - 45 stands. Tool open 44 min., wtr load flowed in 35 min., distillate in 38 min. Flowed est. 10MCFGPD with 20 bbls. oil & distillate per hr., Gvt. 47.4, slight sour gas. FP during unloading 350#, during flow 3000#, max. BHP after 1 hr. 40 min. build up 5000#, rec. 788' oil in DP.

DST #4
11,881 - 11,913
(DST #4)
2" ck - 410' WB. Tool open 1 hr. 35 min. unloaded wtr. in 27 min. flowed oil in 37 min. turned to tank in 45 min. rate 70 BOPH in tank 38 min. flowed 70 BOPH during 50 min., pkr. failed. Gas vol. 3,472,000 CF, GOR 1660 - 1

DST #6
11,890 - 11,948
HIS 310 gr. 100, gvt. 760, GPM, 347, gvt. 48.5. Gas collected @ 300# separator pressure. Rec. 273' oil & 7917' mud in DP

(DST #5)
4050' WB, 3/8" ck. Tool open 2 min. pkr. failed. First 71 stands were dry next 10 stands GCWB, next 40 M & WC with oil & gas. Last 8 stands G & OCM with gas shows on each stand.

DST #5
11,913 - 11,948

(DST #6)
3/8" ck, 4050' WB. Tool open 1 hr. 40 min. WB in 41 min. gas in 45 min. oil in 50 min., turned in tank 60 min. flowed in tank 40 min. @ rate of 40 BOPH with 350# separator pressure, gas @ 1,790,000 CF, GOR 1719 - 1, 1428/335, GPM, .356, gvt. .705, 1,656 MCF

DST #7
11,948 - 11,968

Tool open 2 hr., rec. 6 stands sulphur wtr. - 15 stands WB. 1750 FP, 3/8" ck, SI 30 11,968 - 11,969

PRODUCTION TESTS

11-7-44
Perforated 11,880 - 11,929, total 38', 3 shots per ft., total 114 shots. Ran 2" tbg @ 11,920, displaced mud with wtr., show oil in pits with mud treated with 1000 gals. acid. Well flowed 20 BOPH, last 12 hrs flowed 14 BOPH. Killed well, re-perforated 11,890 - 11,928, 2 shots per ft. Treated with 2000 gals acid, 2000 lbs., placed 500 gals. acid into formation. 2 BPM, well unloaded. Tested 6 hrs., 32 BOPH, 3 4" ck, 2.4% BSW, GR 1,872,000 CF, GOR 2487 - 1, TP 250#, Last 6 hrs. flowed 40 BOPH, 3, 4" ck.
11-9-44
Flowed 15 BO per hr. cut 15% sulphur & SW
11-14-44
Shut-in csg. pressure 3100#, TP 2200#, flowed 14 BF per hr., 11% salt & sulphur wtr. 3/4" ck.
11-20-44
Well making 250 BOPD, 1 8" ck., pipeline oil, no wtr.
11-21-44
Drld out, 11,929, TP 1200#. Flowing SITP 2800#, tbg. pressure 1200#, csg. pressure 23000 & 3100#.
11-25-44
Flowed 190 BO in 24 hrs.
11-20-44
Flowed 24 BF cut 8% BSW, Gvt. 48.2, GOR 1750 - 1. If well is opened up will make FB unl- ess wtr. wtr is held back by using 1 8" ck.
12-14-44
88 BF, 8.32° ck, 22 hrs. cut 17% BS, FP 2400#, csg. pressure 3000#, shut-in storage TP 2000#, csg. pressure 3000#, 224 BF, 24 hrs, 6% BS, 8 32" ck., TP 1200#, csg. pressure 1800#, Shut-in storage 1hr, 2000#, csg. 3000#.

U-755 BHP.

T.D. - 10-46

SIDETRACK

DST #1
11,500 - 11,800
Tool open 3 min., pkr. failed rec. WB & 1050' GCM

DST #2
11,505 - 11,800
DST #2
Tool open 2½ hrs., rec. 3000' WB, 60' mud. NS

DST #3
11,505 - 11,850
DST #3
Tool open 120 min., 3000' WB, rec. WB & 1200' GCM & SSO

DST #4
11,535 - 11,875
DST #4
Tool open 185 min., 3000' WB, gas in 160 min., rec. 300' OSG cut mud.

DST #5
11,535 - 11,895
DST #5
Tool open 210 min., 3000' WB, blow in 1 hr., rec. 2000' OSGCM + 4100' sal. wtr.

Tests during September 1946 Flowed @ rate of 121 BO - 54° SW, 40 BO + 60% wtr. Well died and needed swbg.

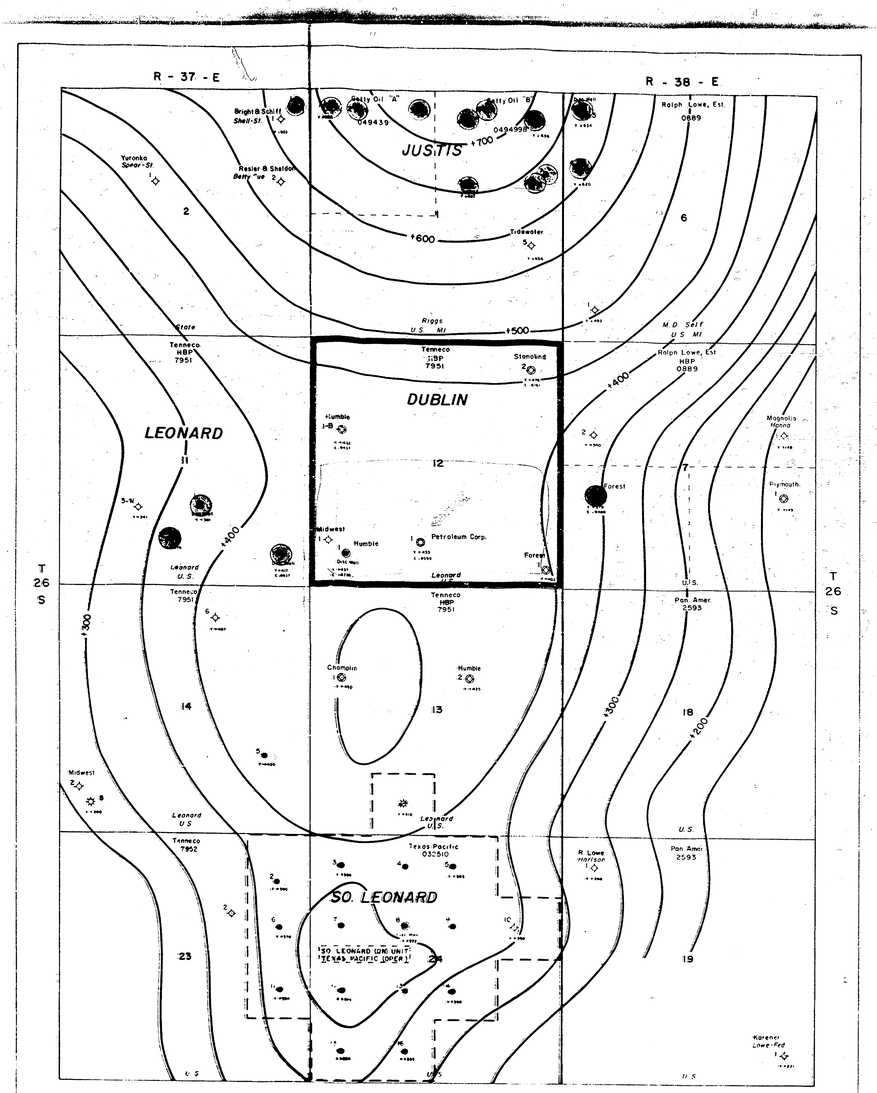
October 19, 1946
Commenced Workover
Squeezed perfs with cement & plastic, cemented thg. in hole. See whipstock 11,588 drld. to 11,895

P & A January 23, 1947
Cumulative Production
39,460 BO, 23,946 BSW

Production 1946
12,759 BO, 61,558 MCFG
GOR 4769/1

P.A. 1947

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
Oppo EXHIBIT NO. 2
CASE NO. 1790
Hearing Date Nov. 7, 46



THE PETROLEUM CORPORATION

DUBLIN PROSPECT

LEA COUNTY, NEW MEXICO

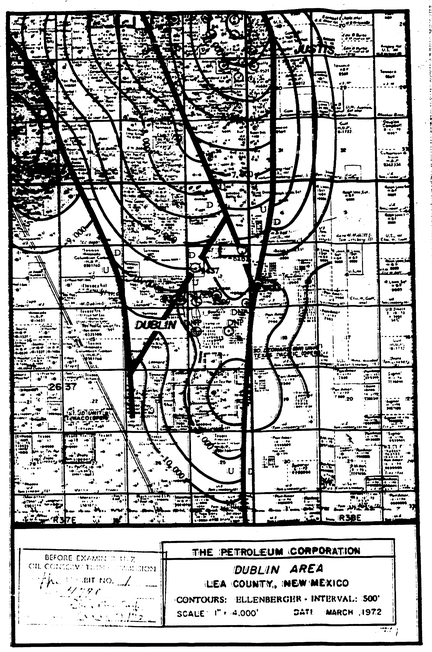
STRUCTURE MAP

CONTOURS: YATES INTERVAL 50'

SCALE 1" = 1,000'

PRODUCTION LEGEND

OIL WELL
GAS WELL
ABANDONED OIL WELL
ABANDONED GAS WELL


JUSTIS
DUBLIN
R37E
R38E
THE PETROLEUM CORPORATION
DUBLIN AREA
LEA COUNTY, NEW MEXICO
CONTOURS: ELLENBERGER - INTERVAL: 500'
SCALE 1" = 4,000' DATE MARCH 1972