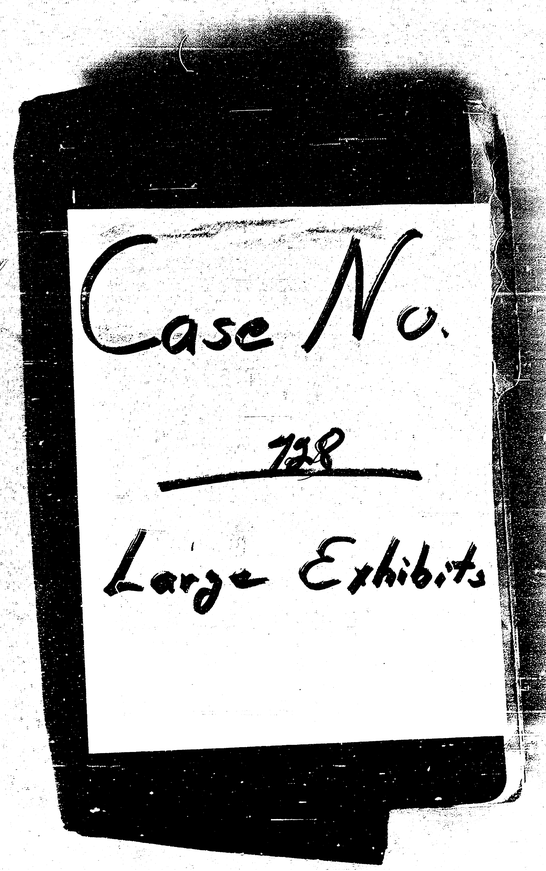
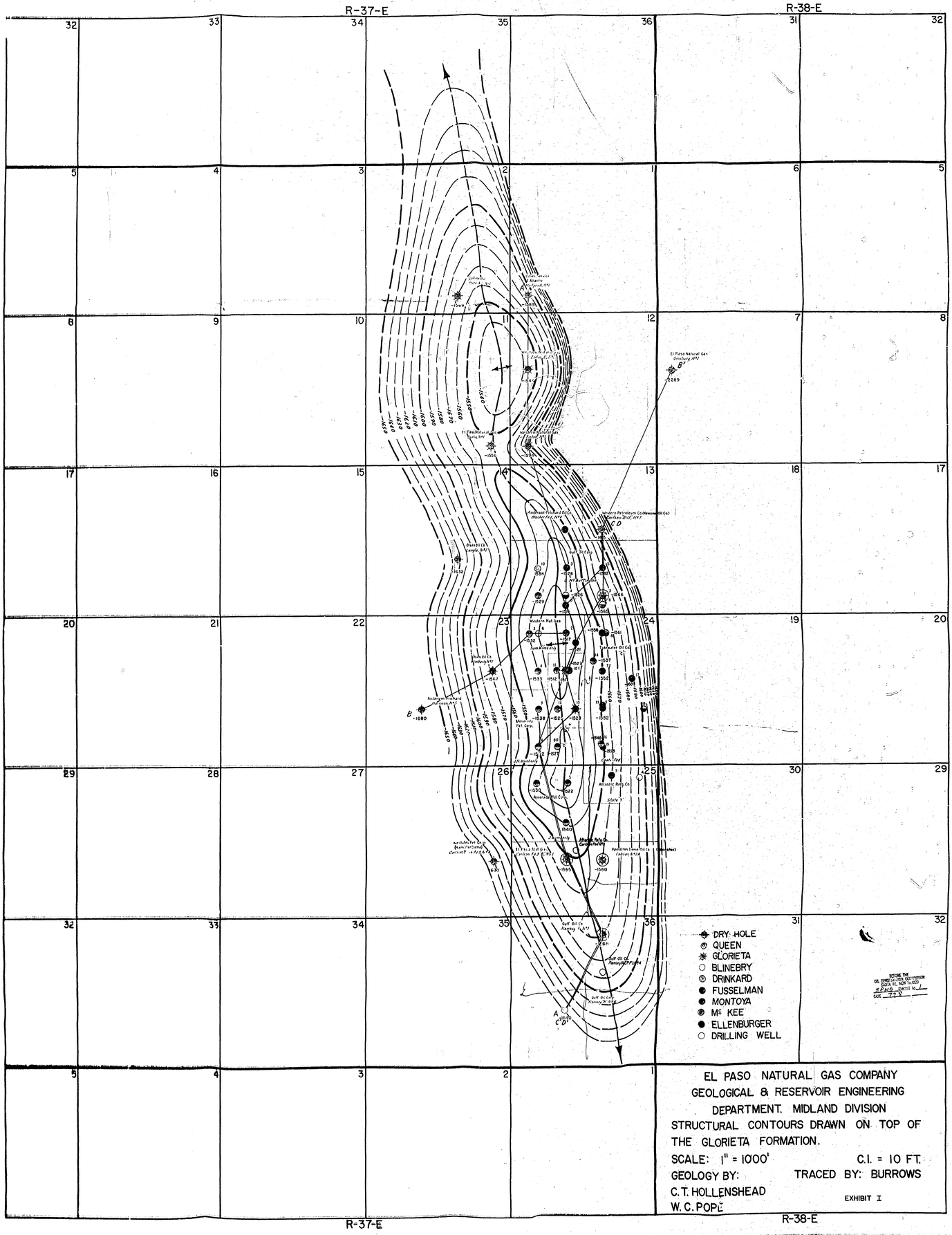

Case No.
738
Large Exhibits



EL PASO NATURAL GAS COMPANY
GEOLOGICAL & RESERVOIR ENGINEERING
DEPARTMENT. MIDLAND DIVISION
STRUCTURAL CONTOURS DRAWN ON TOP OF THE GLORIETA FORMATION.
SCALE: 1" = 1000' C.I. = 10 FT.
GEOLOGY BY: C. T. HOLLENSHEAD, W. C. POPE
TRACED BY: BURROWS

EXHIBIT I

GULF OIL CORP
VINSON RAMSEY NO.6-B
1980' FSL & 1980' FWL
SEC. 36, T-25-S, R-37-E
ELEV. KB. 3038'

GULF OIL CORP
ARNOTT RAMSEY NO.3-F
660' FNL & 1980' FEL
SEC. 36, T-25-S, R-37-E
ELEV. KB. 3051'

EL PASO NATURAL GAS
CARLSON FEDERAL NO.1-B
1980' FSL & 1980' FWL
SEC. 25, T-25-S, R-37-E
ELEV. KB. 3058'

AMERADA PET. CORP
IDA WIMBERLY NO.4
660' FSL & [illegible] FWL
SEC. 24, T-25-S, R-37-E
ELEV. D.F. 30[illegible]

TIDEWATER ASSOC. OIL CO.
COATS C NO.1
1980' FNL & 1980' FWL
SEC. 24, T-25-S, R-37-E
ELEV. D.F. 3080'

GULF OIL CORP
MCBUFFINGTON NO.8
1980' FNL & 330' FSL
SEC. 15, T-25-S, R-37-E
ELEV. KB. 3091'

GULF OIL CORP
MCBUFFINGTON NO.9
1650' FSL & 1980' FWL
SEC. 15, T-25-S, R-37-E
ELEV. KB. 3093'

TOP YATES

TOP SEVEN RIVERS

TOP QUEEN

SEA LEVEL

TOP GRAYBURG

TOP SAN ANDRES

TOP GLORIETA

PERFORATED 4784'-4815 FEET
4787-4814
4838-4860
4858-4872

DST 4780-4880 OP 90"
STS 50" RECOVERED 17' MCW
IFP 340 #/"

W. PERFORATIONS MADE WILDE IN JUSTIS GAS PRODUCING ZONE

[illegible] CASING SET AT 4875 FEET
[illegible] ACF 15,500 MCFGPD(15-15-57)
FINAL POINT BACK PRESSURE TEST
[illegible] MCFGPD(12-13-56)
WELL COMPLETED 5-16-57
T.D. 4875 FEET

DST 4788-4885 OP 1 HR GTS
GA[illegible] FOR 5 MCF REC 400' D/W
[illegible] GCM FP 340#
30"-1510 #/FP 30"-1540 #/40"

PERFORATED 4814-34 FEET
" 4641-85 "
" 4709-60 "
" 4774-4820 "

NO DSTS OR PERFORATIONS MADE IN JUSTIS GAS PRODUCING ZONES

7" CASING SET AT 4934'
ACF 15,500 MCFGPD(5-11-57)
WELL COMPLETED 5-11-57
4934

[illegible] STEEL OIL WELL
[illegible] @ 12,000 FEET
[illegible]
COMPLETED 7-18-58

NO DSTS TAKEN IN JUSTIS GAS PRODUCING ZONE

5½" LINER SET FROM 2850 TO 4815 FT.
IP A.O.F. 5250 MCFGPD(6-7-57)
F 3915 MCFGPD(11-2-58)
WELL COMPLETED 2-22-51
T.D. 4815 FEET

PERFORATED 4675 FEET - 4715 FEET

NO DSTS OR PERFORATIONS IN JUSTIS GAS PRODUCING ZONE

Glorieta datum or Top of Glorieta Shoulder at 4610 feet (-1519)

Correlation marker in the Gulf McBuffington Well Co. #8 and #9 Sec. 15 T-25-S R-37-E Lea Co. N.M.

Proposed Base of Top of Justis Gas Zone would appear from this log to be 30 ft. deeper

COMPLETED XX OIL WELL
FROM MONTOYE
T.D. 7252
COMPLETED 7-[illegible]-58

NO DSTS OR PERFORATIONS MADE IN JUSTIS GAS PRODUCING ZONE

SUGGESTED LOWER VERTICAL LIMIT OF JUSTIS GAS PRODUCING ZONE

DST 4684-4785 OP 1 HR REC 360' GCM
DST 4754-4885 C/ 90 MIN G.T.S. 45" AT RATE OF 300 MCFPD REC 810' GCM & 150' SW FP 200#
DST 4895-4915 OP 1 1/2 HR. REC. 75 FT. OCM FP 200#
DST 4898-4933 OP 90" REC. 80' SOB GCM

COMPLETED 8-16-58

...ER ASSOC OIL CO.
...C NO.1
...1980' FWL
...25-S, R-37-E
...080'

GULF OIL CORP
MC BUFFINGTON NO.8
1980' FWL & 330' FSL
SEC 13, T-25-S, R-37-E
ELEV. KB 3091'

GULF OIL CORP
MC BUFFINGTON NO.9
1650' FSL & 1980' FWL
SEC 13, T-25-S, R-37-E
ELEV. KB. 3093'

WESTERN NAT'L GAS CO.
EATON NO.1
1980' WL & 660' FSL
SEC 12, T-25-S, R-37-E
ELEV. OF DF 3107'

WESTERN NAT'L GAS CO.
EATON NO.1-B
1990' NL & 660' FWL
SEC 12, T-25-S, R-37-E
ELEV. D.F. 3139'

CITIES SERVICE OIL CO.
HODGES NO.1-B
660' FSL & 660' FWL
SEC 1, T-25-S, R-37-E
ELEV. KB 3110'

Glorieta datum or Top of Upper shoulder at 4610 feet (-1519)

PERFORATED 4675 FEET - 4715 FEET

NO DSTS OR PERFORATIONS IN JUSTIS GAS PRODUCING ZONE

...SET FROM 2950 TO
...(SMGFSP016-7-57)
...(SPS-15-2-58)
...LETS 2-22-51
...FEET

Correlative marker in the Gulf No. 8 McBuffington Lies @ different depth in this Sec

Proposed base of the Justis Gas Zone would then Lie the @ a depth of different

COMPLETED AS OIL WELL FROM MONTOYA
T.D. 7052
COMPLETED 7-2-36

COMPLETED AS OIL WELL FROM MONTOYA
T.D. 7100
COMPLETED 8-16-36

NO DSTS OR PERFORATIONS MADE IN JUSTIS GAS PRODUCING ZONE

DST 4684-4785 OP 1 HR REC 360' S G C M
DST 4754-4885 OP 90 MIN GTS 45" AT RATE OF 300 MCFPD REC 810' GCM & 150' SLM FP 200#
DST 4895-4915 OP 1 1/2 HR. REC. 75 FT. OCM FP 200#
DST 4898-4933 OP. 90" REC. 80' SOS GCM

SUGGESTED LOWER VERTICAL LIMIT OF JUSTIS GAS PRODUCING ZONE

5 1/2" CASING SET AT 4875 FEET LPF. 8000 MCFGPD (6-14-46) FOUR POINT BACK PRESSURE TEST AOF 2,050 MCFGPD (2-22-57) WELL COMPLETED 6-14-46 T.D. 4919 FEET

PERFORATED 4698-4710 FEET
" 4710-4725 "
" 4725-4754 "
" 4787-4809 "

5 1/2" CASING SET AT 4829 FEET WELL COMPLETED 2-26-46 FOR AN IPF OF 8000 MCFGPD WELL WENT TO WATER AND ON 10-1-57 WELL WAS PLUGGED BACK TO QUEEN AND COMPLETED AS A GAS WELL T.D. 4933

NO DSTS TAKEN IN JUSTIS GAS PRODUCING ZONES

7" CASING SET AT 4747 FEET LPE 1,200 MCFGPD (10-11-46) FOUR POINT BACK PRESSURE TEST F 274 MCFGPD MIN. CONT TAGT TEST 8-15-58) 72 HR. S.I.P. AT GAUGE 865 LBS. WELL COMPLETED 10-11-46 T.D. 4823 FEET

NO DSTS TAKEN IN JUSTIS GAS PRODUCING ZONES

COMPLETED IN OPEN HOLE FROM 4747 FEET TO 4823 FEET

PERFORATED 4826 FT-4844 FT

EL PASO NATURAL GAS COMPANY
GEOLOGICAL & RESERVOIR
ENGINEERING DEPARTMENT
MIDLAND DIVISION

NORTH-SOUTH CROSS SECTION THROUGH THE JUSTIS GAS FIELD, LEA COUNTY, NEW MEXICO. SECTION SHOWS CORRELATION OF VARIOUS FORMATION TOPS; SUGGESTED VERTICAL LIMITS OF JUSTIS GAS PRODUCING ZONES; SUGGESTED CORRELATION OF KEWANEE NO.1 CARLSON "B" OIL PRODUCING ZONE, AND JUSTIS GAS COMPLETION INFORMATION.

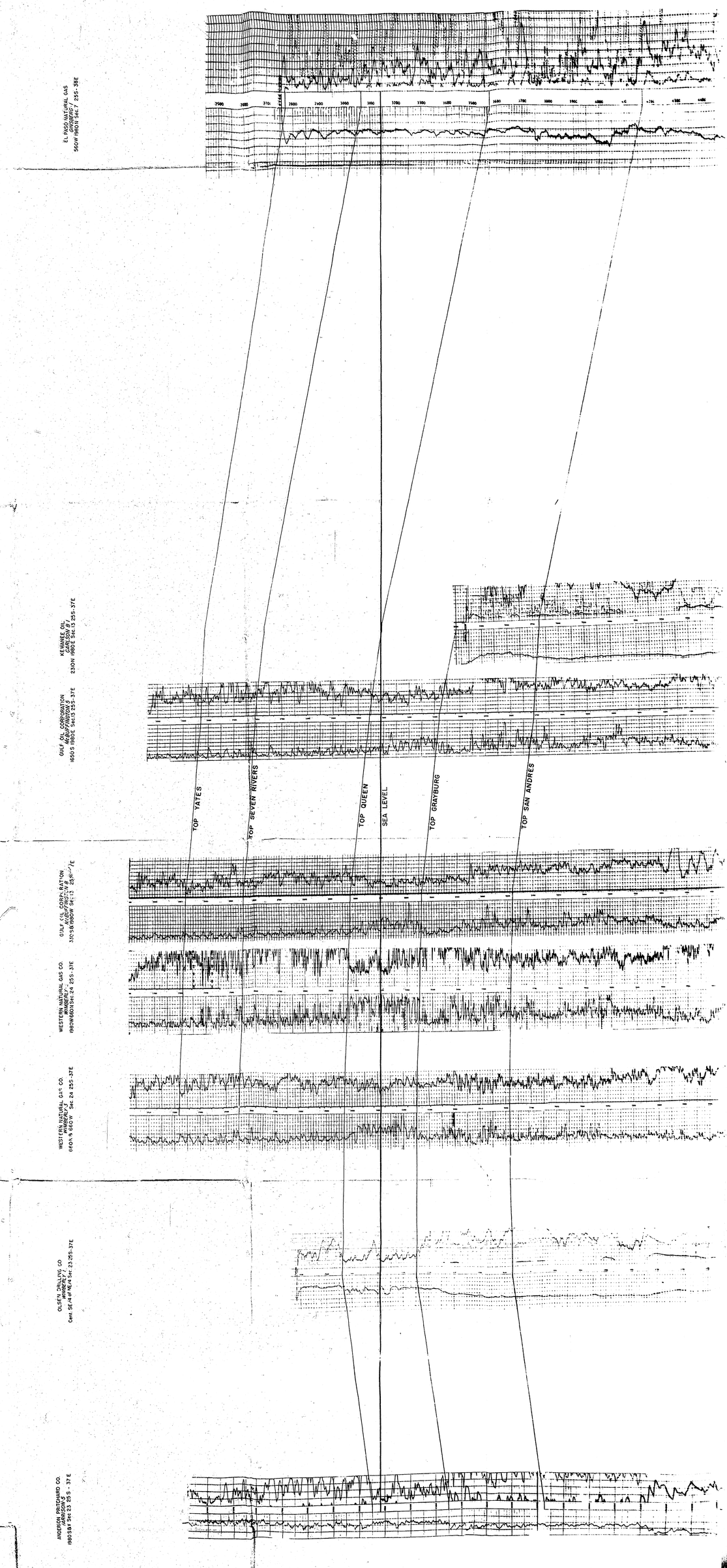
VERTICAL SCALE 1" = 100'
HORIZONTAL SCALE: 1" = 800'

TRACED BY: NOSKER
C.T. HOLLENSHEAD
& W.C. POPE
GEOLOGY BY:

DATE: DEC 29, 1958

EXHIBIT
II

Section


EL PASO NATURAL GAS
HOBBS
560W 990N SEC 7 25S-38E
KENNEDY OIL
GARSON #1
230N 1800E SEC 9 25S-37E
GULF OIL CORPORATION
HOUSTON 5
1650S 1800E SEC 5 25S-37E
GULF OIL CORP.-RATTON
HOUSTON 5
330S 1650W SEC 5 25S-37E
WESTERN NATURAL GAS CO.
RINGER A
1980W 660N SEC 1 25S-37E
WESTERN NATURAL GAS CO.
RINGER A
660N 660W SEC 24 25S-37E
OLSEN DRILLING CO.
HOBBS
Cent SE 4 of NE 4 Sec 23 25S-37E
ANDERSON PRITCHARD OIL
HOBBS
1980 S&W SEC 25 25S - 37E
TOP YATES
TOP SEVEN RIVERS
TOP QUEEN
SEA LEVEL
TOP GRAYBURG
TOP SAN ANDRES

TOP SAN ANDRES

GLORIETA

NO DST OR PERFORATION REPORTED WITHIN JUSTICE GAS ZONE

WELL 28A 8-2-43
TD 5024

5 1/2" CASING SET AT 4789 FT.

NO DST OR PERFORATIONS REPORTED IN JUSTICE GAS PRODUCING ZONE

DST 4706-4971 FT.
OP 30', GTS 4"
MUD 6", EST. VOL. 5000 MCFPD,
15" SIP 2000 LBS.

NO PERFORATIONS REPORTED WITHIN JUSTICE GAS ZONE

PERFORATED FROM 4740 FT.- 4770 FT.

DST 4835-4957
OP 2 1/2", REC. 600' SOGSMCW
FP 320-420 LBS
30" SI 1501 LBS.

NO DST OR PERFORATION REPORTED WITHIN JUSTICE GAS ZONE.

DST 4980-5030
OP 2', GTS 7"
VOL. 170 MCFPD,
REC. 95' GCM.
FP 70 LBS 30 SIP
2180 LBS.

IPF 2820 MCFPD (5-17-56)
AOF 4,400 MCFPD
BHSIP 2038.9 LBS. (9-5-52)
TD 9152
5 1/2" CASING SET AT 6239 FT.
WELL COMPLETED 12-12-47

COMPLETED AS OIL WELL
FROM FUSSELMAN & DRINKARD
TD 8625
WELL COMPLETED 1-5-58.

COMPLETED AS OIL WELL
FROM FUSSELMAN & DRINKARD.
TD 8235 PB 7990
WELL COMPLETED 7-11-58

COMPLETED AS OIL WELL
FROM MONTOYA
TD 7052 PB 7047
WELL COMPLETED 7-2-58

Correlative marker in the Gulf No 5 Mc Cullough Type @ 4940 feet depth (-1979 ft below sea level)

Proposed base of Justice Gas Zone would therefore be @ a depth of 4871 feet

COMPLETED AS OIL WELL
FROM ELLENBURGER
TD 8300
WELL COMPLETED 1-11-58

AOF 3200 MCFGPD & 132 BO & 8 BW (5-1-58)
TD 8870 PB 8228
5 1/2 CASING SET AT 8870 FEET
WELL COMPLETED 5-3-58

DST 4700-4850 FEET
OP 1', GTS 9" TSTM,
REC 270' HOBGCM,
FP 175 TO 200 LBS.
30" SIP 1355 LBS.

PERFORATED 4960-4995 FT.

DST 4960-5150 FEET
OP 1' GTS 22" TSTM,
REC 300' HOBGCM,
30% OIL & 180' HOB
GBSWCM, FP 1735 LBS
30" SIP 2615 LBS.

NO DST OR PERFORATION REPORTED WITHIN JUSTICE GAS ZONE

WELL P&A 5-29-44

TD 11,014

EL PASO NATURAL GAS COMPANY
GEOLOGICAL & RESERVOIR ENGINEERING DEPT.
MIDLAND DIVISION

EAST-WEST CROSS SECTION THROUGH THE JUSTICE GAS FIELD, LEA COUNTY, NEW MEXICO.
SECTION SHOWS CORRELATION OF VARIOUS FORMATION TOPS; SUGGESTED VERTICAL LIMITS OF JUSTICE GAS PRODUCING ZONES; SUGGESTED CORRELATION AT KEWANEE NO. 1 CARLSON "B" OIL PRODUCING ZONE; AND PRODUCTION INFORMATION ON JUSTICE GAS PRODUCING ZONES.

VERTICAL SCALE 1"=100ft.
HORIZONTAL SCALE 1"=300ft.
DATE: DECEMBER 18, 1958

TRACED BY J. BROWN
GEOLOGY BY W.C. POPE & C.T. MOLLENHEAD

EXHIBIT III

Section B-B'

BEFORE THE OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO
CASE NO. 1424 EXHIBIT NO. 25
DATE 1-22-59

GULF OIL CORP.
NO.6 RAMSEY NCT "B"
1980'S,1980'W SEC.36
T-25-S, R-37-E

GULF OIL CORP.
NO. 3 ARNOTT RAMSEY
660'N,1980'E SEC.36
T-25-S, R-37-E

~~EL PASO NATURAL GAS CO.~~ Westates
NO. 1-B CARLSON FEDERAL
1980'S,1980'W,SEC.25
T-25-S, R-37-E

AMERADA OIL CO.
NO. 4 WIMBERLY
660'S,990'W,SEC.24
T-25-S, R-37-E

TIDEWATER OIL CO.
NO.13 COATS "C"
1980'S,2310'W,SEC.24
T-25-S, R-37-E

TIDE WATER OIL CO.
NO.1 COATS "C"
1980'N,1980'W,SEC.24
T-25-S, R-37-E

WESTERN NATURAL GAS CO.
NO. 5 WIMBERLY
990'N,2310'W,SEC.24
T-25-S, R-37-E

GULF OIL CO.
NO. 3 McBUFFINGTON
1980'E,660'S,SEC.13
T-25-S, R-37-E.

GULF OIL CO.
NO. 5 McBUFFINGTON
1650'S,1980'E,SEC.13
T-25-S, R-37-E

KEWANEE OIL CO.
NO. CARLSON "B" 13
2310'N,1980'E,SEC.13
T-25-S, R-37-E

EL PASO NATURAL GAS COMPANY
GEOLOGICAL & RESERVOIR ENGINEERING DEPT.
MIDLAND DIVISION

NORTH SOUTH CROSS SECTION THROUGH THE JUSTIS GAS FIELDS LEA COUNTY, NEW MEXICO. SECTION SHOWS INTER CONNECTION & POROSITY IN UPPER GAS PRODUCING ZONES & LOCATION OF DENSE ZONE SEPERATING UPPER GAS PRODUCING ZONES FROM LOWER OIL PRODUCING ZONE. SECTION TIED TO TOP OF GLORIETA FORMATION

VERTICAL SCALE 2-6" = 100ft
HORIZONTAL SCALE 1" = 500ft

TRACED BY: G FRANKS
SKELETON BY: HILLENDAHL

Section C-C'

EXHIBIT
IV

BEFORE THE
OIL CONSERVATION COMMISSION
CASE 11 EXH. NO. 4
CASE 2334

GULF OIL CORP
NO. 6 RAMSEY NCT "B"
1980' S & W Section 36
T-25-S, R-37-E

GULF OIL CORP
NO. 3 HAWOTT RAGSEY
660' N 1980' E Section 36
T-25-S, R-37-E

EL PASO NATURAL GAS COMPANY
NO. 1-B, CARLSON FEDERAL
1980' S & W Section 25
T-25-S, R-37-E

AMERADA OIL COMPANY
NO. 4 WIMBERLY
660' S 990' W Section 24
T-25-S, R-37-E

TIDEWATER OIL COMPANY
NO. 13 COATS "C"
1980' S 2310' W Section 24
T-25-S, R-37-E

TIDEWATER OIL COMPANY
NO. 1 COATS "C"
1980' N & W Section 24
T-25-S, R-37-E

WESTERN NATURAL GAS COMPANY
NO. 5 WIMBERLY
990' N 2310' W Section 24
T-25-S, R-37-E

GULF OIL CO.
NO. 3 McBUFFINGTON
1980' E 660' S Section 13
T-25-S, R-37-E

GULF OIL CO.
NO. 5 McBUFFINGTON
1650' S 1980' E Section 13
T-25-S, R-37-E

KEWANEE OIL COMPANY
NO. 1 CARLSON "B"
2310' N 1980' E Section 13
T-25-S, R-37-E

GLORIETA

GAS PRODUCING ZONES

"4U" MARKER IN DENSE ZONE THAT SEPERATES UPPER GAS PRODUCING ZONE FROM LOWER OIL PRODUCING ZONE

OIL PRODUCING ZONE

BLINEBRY

BLINEBRY PRODUCTION

THREE WELLS IN FIELD
PRODUCING FROM BLINEBRY
TO DATE:
GULF NO. 6 RAMSEY NCT "B"
GULF NO. 6 McBUFFINGTON
GULF NO. 4 McBUFFINGTON
SEE LOGS FOR PERFS.

D-D'

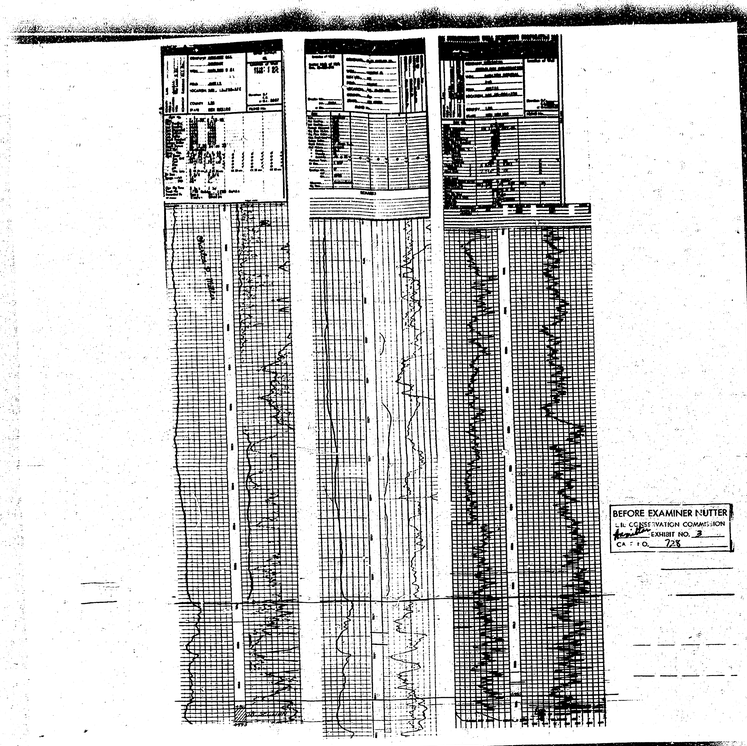
EL PASO NATURAL GAS COMPANY
GEOLOGICAL & RESERVOIR ENGINEERING DEPT.
MIDLAND DIVISION

NORTH-SOUTH CROSS SECTION THROUGH THE JUSTIS GAS FIELD, LEA COUNTY, NEW MEXICO. SECTION SHOWS DENSE MARKER ZONE THAT SEPERATES UPPER GAS PRODUCING ZONES FROM LOWER OIL PRODUCING ZONE.
SECTION TIED TO TOP OF GLORIETA FORMATION

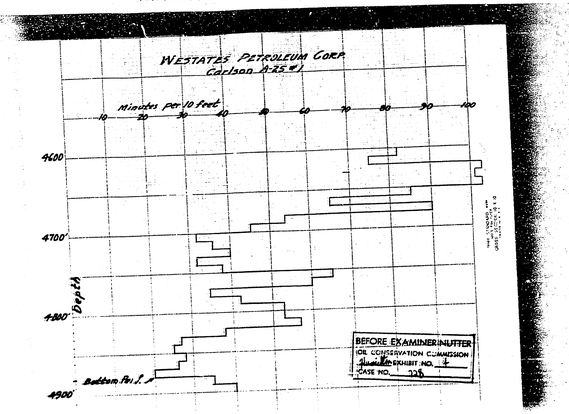
Section D-D'

EXHIBIT
V

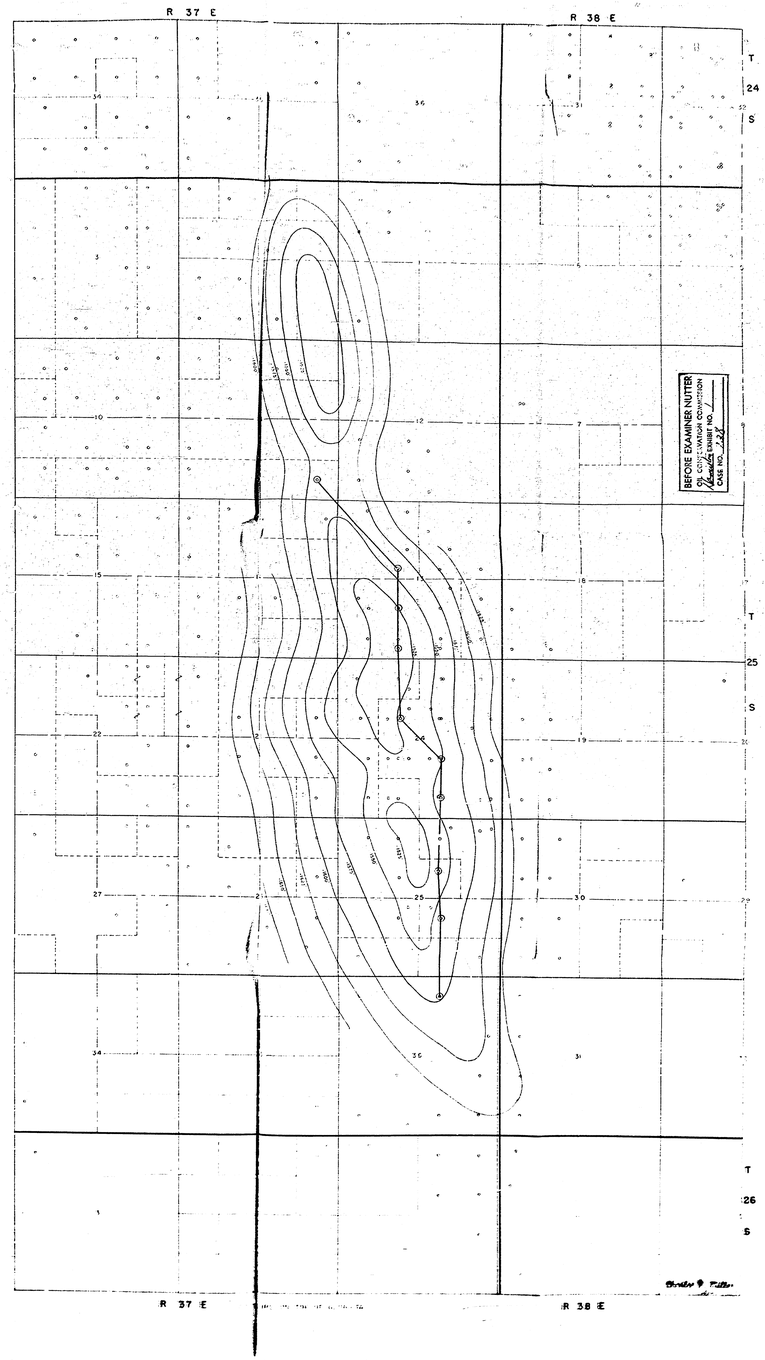
BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
EXHIBIT NO. 5
CASE 934



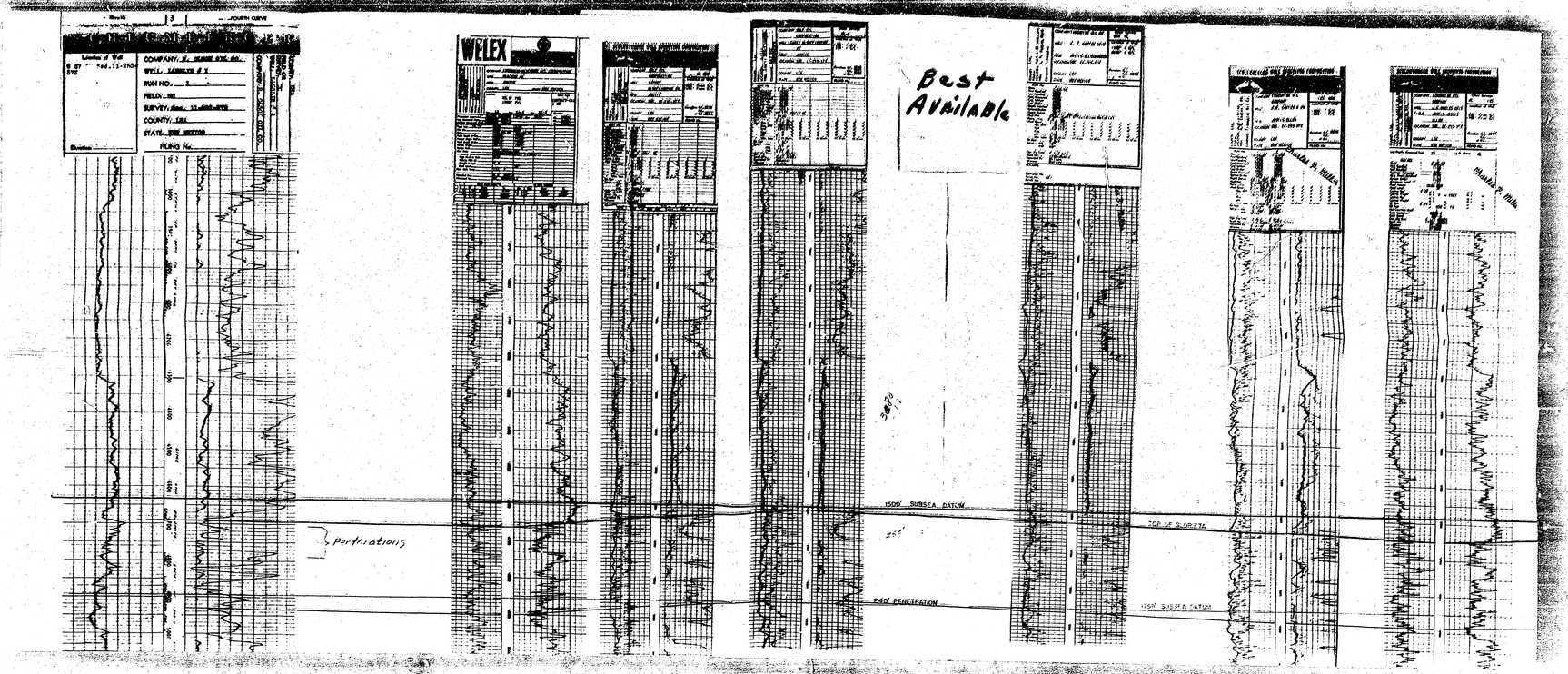
BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 3
CASE NO. 725



BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 4
CASE NO. 725

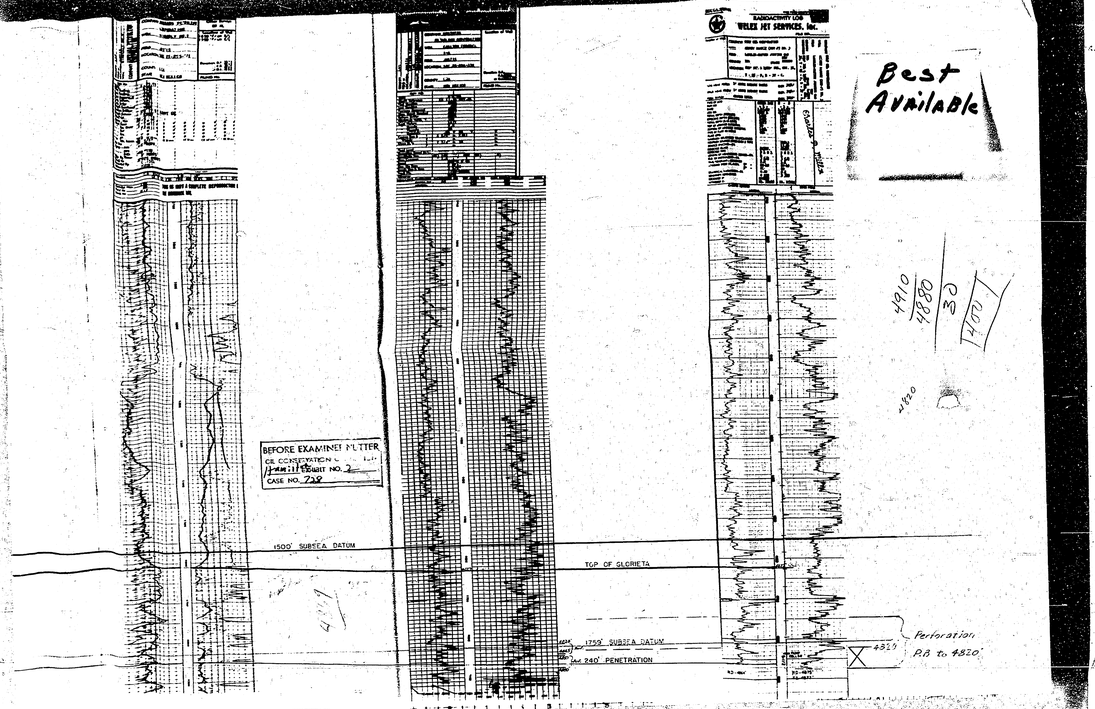


BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 1
CASE NO. 725



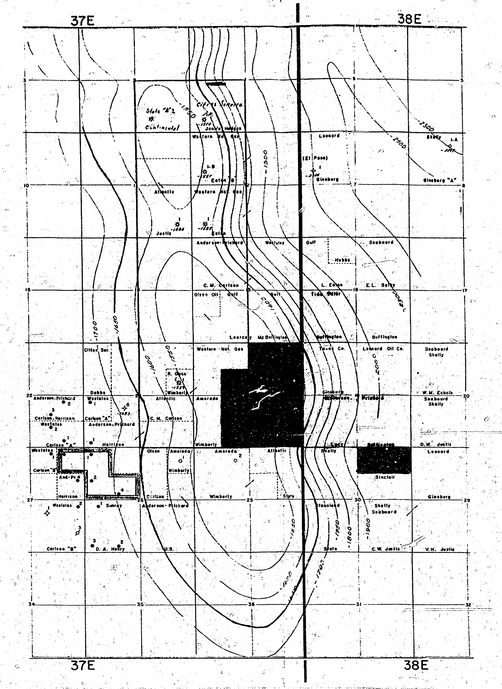
SUMMARY OF
COMPLETION INFORMATION OF WELLS ON FIELD MAPS
LEA COUNTY, NEW MEXICO

	COMPANY & LEASE	UNIT	LOCATION S-T-R	TOTAL DEPTH	COMPLETION DATE	CASING RECORD	PERFORATIONS	ELEVATION DATUM	REFERENCE FROM ELEVATION DATUM TO BASE OF PERFORATIONS	ELEVATION	STATEMENT FROM ELEVATION DATUM TO AOF TESTING	INITIAL POTENTIAL	PUMP PLUNGER BACK TESTING DATE	REMARKS	DATE FIRST OF	OIL (BBLS.)	WATER (BBLS.)	GAS (MCF)	Ownership & Lease	INITIATION TESTS
1.	Cities Service Oil Co. Hodges B, #1	M	1-25-37	4823'	10-11-46	7" @ 4747'	Open hole 4747-4823	+1599	824'	3110'	Not to	F 1,200 MCF (10-11-46)	F 274 MCF 0881. Cond&Gas Test) 5-19-58	8058 IPC ho. 8TP @ Ground)	4-25-47	0	0	1,156,833	Cities Service Oil Co. Hodges B, #1	Bo 807'=
2.	Continental Oil Co. State A-2, #1	O	2-25-37	4875'	7-26-54	5 1/2" @ 3233-4873'	4778-4822' & 4822-4854'	+1569	646'	3137'		F 692 (7-26-54)	AOF 510 MCF (3-29-57)	8IMEP 1270 8WIA	9-23-54	1960	0	993,247	Continental Oil Co. State A-2, #1	Bo 807'=
3.	El Paso Natural Gas Co. Carlson Fed. 2 #1 Juelis, #1	K P	23-23-37 11-23-37	4936' 5032'	3-1-57 11-25-57	5 1/2" @ 4934' 5 1/2" @ 9990'	4716-34', 4641-82', 4709-68' & 4774-4870' 4108-26', 4748-847', 4855-86'	+1555 +1596	2207' 1996'	3052' 3134'	239 238	AOF 15,500 MCF (5-1-57) F 2,078	No Test AOF 1,206 MCF (4-28-57)	Chlz. Contrast test Tol. 817 MCF, 73 hr SIPC 813F (8-13-58)	7-16-57 4-8-44	3493 0	73 0	267,454 2,231,073	El Paso Nat. Gas Co. Carlson Fed. 2, #1	Bo: 25 MCF/D+379#", Gr. 1", 78 3", Vol. 1,600 MCF & 91# Bo:+7+ BOH. FF 490#, 1h 1810 715#, 20" 7810 1110# Bo: 81 MCF/D+345#" Gr. 1", 78 15", Lmn Vol.: 0 MCF Bo:. 460" OOH & 100" OOH/DH, FF 3100, 20" 1810 1175#, 10" F82" 1400.
4.	Gulf Oil Corp. McDuffie(Agnes B) Ramsey "B", #3	O B	13-23-37 36-23-37	5101' 4873'	9-17-57 1-4-57	7" @ 7990' 5 1/2" @ 4875'	4758-66', 4780-4800', 4864-76' & 4887-97' 4716-42', 4782-4808', 4818-24', 4829-48' & 4856-72'	+1596 +1568	2202' 2202'	3086' 3051'	241 237	AOF 2,140 MCF (7-9-58) F 1,000 MCF (1-1-57)	No Tests AOF 12,080 MCF (2-21-58)		7-13-57	0	Not Known.	379,347	Zwilling Inv. A Gulf Oil Corp. McDuffie(Agnes B) #3	Bo 807'=
5.	Horizon Oil Co. Carlsbad #1-A	J	25-2. 79	4905'	9-17-56	5 1/2" @ 4905'	4818-25' & 4890-98'	+1560	1.96'	3064'	238	AOF 7,000 MCF (5-17-56)	AOF 4,400 MCF 72 hr. SIP 83# (6-7-57)		7-17-56	3307	5658	591,355	"Jarkins Carlsbad, #1-A	Bo: 4' 661+1775', Gr. 1", 778 3", H 32", Sec. 336' Brecklab @ 0.4" FF 2314+1298, 1"" 81 2160# Bo: 2' 475+ 225", Gr. 1", 775 24", Sec. 94' 680/DH & 183" Bo:+1+ Sec. FF 2442+298, 2C 1127 378#.
6.	Chase Oil Co. Blanchard, #1	H	23-23-37	5132'	12-12-47	5 1/2" @ 6239'	4748-78'	+1587	109'	3128'	239	F 2820 MCF (12-12-47)	AOF 3,100 MCF SIMIP 2836.9# (9-3-52)		1-12-48	16,277		2,226,553	Chase Oil Co. Blanchard, #1	Bo: 1' 661+1775', Gr. 1", 778 3", H 32", Sec. 336' Brecklab @ 0.4" FF 2314+1298, 1"" 81 2160# Bo: 2' 475+ 225", Gr. 1", 775 24", Sec. 94' 680/DH & 183" Bo:+1+ Sec. FF 2442+298, 2C 1127 378#.
7.	Tidewater Oil Co. Conte "C" #1 Conte "C", #12	F K	24-23-37 24-23-37	4815' 4805'	9-22-51 10-2-38	5 1/2" @ 7990-4615' 7" @ 8140'	4675-4825' 4691-4789' & 4728-88'	+1537 +1528	138' 136'	3099' 3086'	Not to	AOF 3,750 MCF (6-7-57) F 3915 MCF (10-1-58)	No Test No Test		1-12-54	4296	0	950,133	Tidewater Oil Co. Conte "C" #1 Conte "C", #12	Bo: 1' 1660+1?', Gr. 1", 778 3", Sec. 96' 680/DH & 183" Bo:+1+ Sec. FF 2442+298, 2C 1127 378#.
8.	Western Natr. Gas Co. Eaton "B", #1 Wilder	E	12-25-37	5019'	4-14-46	5 1/2" @ 4875'	4694-98'	+1546	148'	3148'	Not to	F 8,000 MCF (6-26-46)	AOF 2,050 MCF (2-22-57		8-15-46	0	0	4,534,940	Eaton, #1 Wilder Conte "C" #1 Conte "C", #12 Western Natr. Gas Co. Eaton "B", #1 Zwilling Inv. A Carlsbad, #1-A	Bo 807'= Bo 807'= Bo 807'=
9.	Western Natr. Co. Carlson "A-12", #2	C	12-23-37	4870'	3-3-53	5 1/2" @ 6178'	4688-95'	+1613	995' Top of Perfs. 997'	3827'	321	AOF 3,000 MCF + 127 BO & 5 BW (5-1-58)	No Test							



Best Available

4910
4880
30
4001


37E
38E
T 25 S
T 25 S
State "B"
Gulf et al
Leonard
Ohio Oil Co.
Western Nat. Gas
Texas Co.
Leonard Oil Co.
Stanolind
Amerada
Atlantic
Gulf
Shell
Sinclair
Skelly
Humble
Ohio
Wilshire
Continental
Anderson-Richard
Carlson "A"
Carlson "B"
Morrison
Harrison
Wilshire
Sinclair
Stanolind
Shell
Gulf
Skelly
Amerada
Atlantic
Wilshire
Ohio

Gulf Exhibit # 2

OIL CONSERVATION COMMISSION
CASE NO. 727
EXHIBIT NO. 2

NORTH - SOUTH CROSS SECTION

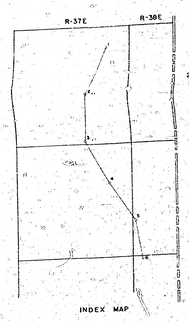
THROUGH BLINEBRY POOLS, SOUTHEASTERN LEA COUNTY, NEW MEXICO

GULF OIL CORPORATION
FORT WORTH PRODUCTION DIVISION

CASE NO 727
OCTOBER 20, 1954

SCALE

HORIZONTAL SCALE: 1 INCH = 1000 FEET
VERTICAL SCALE: 1 INCH = 100 FEET



INDEX MAP

GULF NO. 31 LEONARD A
2-21S-37E
ELEV. 3492' D.F.
①

GULF NO. 4 EUBANK
22-21S-37E
ELEV 3412' D.F.
②

GULF NO. 6 OWENS
34-21S-37E
ELEV. 3433' D.F.
③

-1500
-2000
-2500
-5000

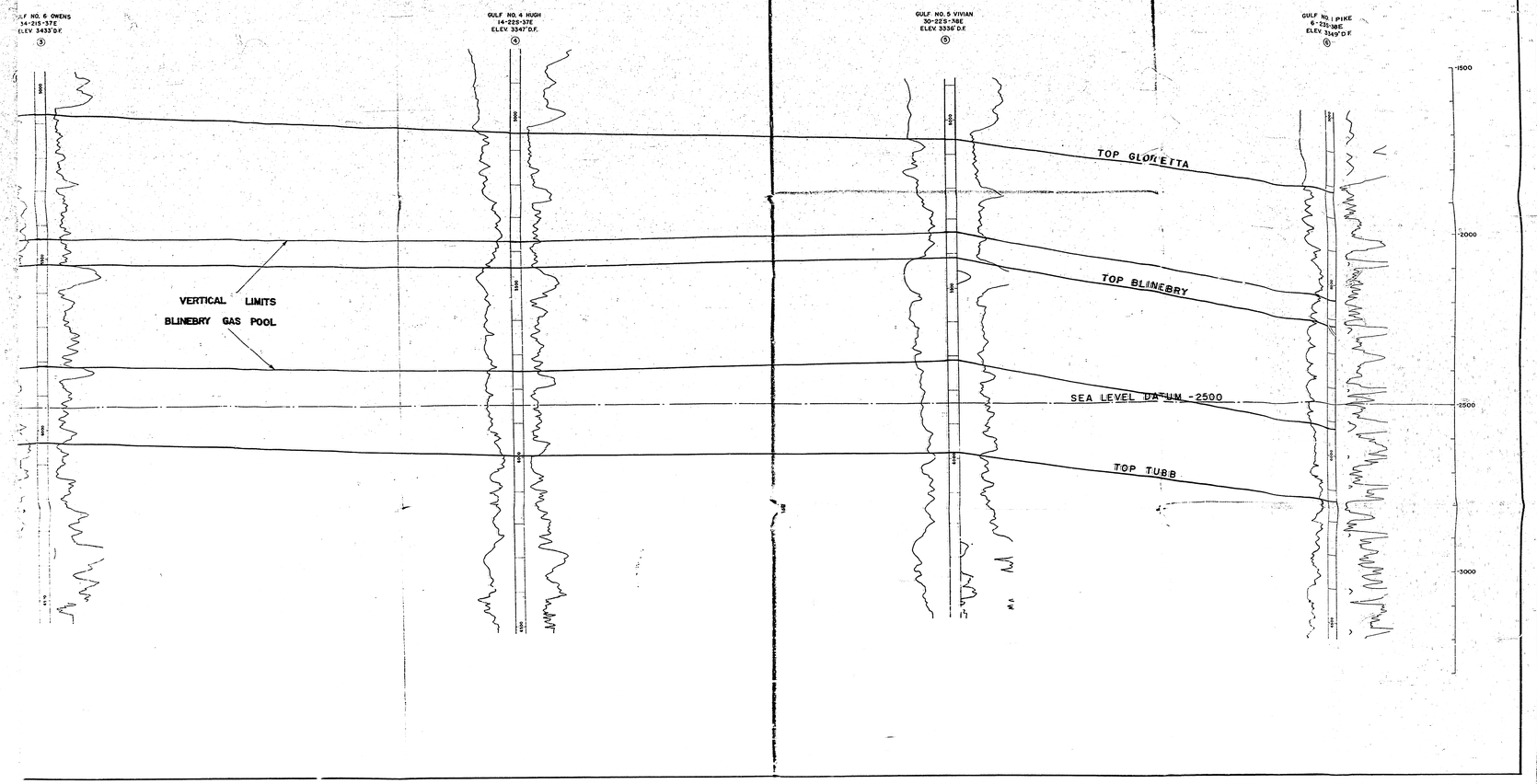
TOP GLORIETTA

TOP BLINEBRY

SEA LEVEL DATUM -2500

TOP TUBB

VERTICAL LIMITS
BLINEBRY GAS POOL


GULF NO. 6 OWENS
14-21S-37E
ELEV. 3433' D.F.
3
GULF NO. 4 HUGH
14-22S-37E
ELEV. 3347' D.F.
4
GULF NO. 5 VIVIAN
30-22S-38E
ELEV. 3336' D.F.
5
GULF NO. 1 PIKE
6-23S-38E
ELEV. 3349' D.F.
6
TOP GLORIETTA
TOP BLINEBRY
SEA LEVEL DATUM - 2500
TOP TUBB
VERTICAL LIMITS
BLINEBRY GAS POOL
-1500
-2000
-2500
-3000

PRESSURE PERFORMANCE OF BLINEBRY FORMATION
SOUTHEASTERN LEA COUNTY, NEW MEXICO

LEGEND

- BLINEBRY GAS POOL SHUT-IN SURFACE PRESSURE
- BLINEBRY GAS POOL BOTTOM HOLE PRESSURE
- BLINEBRY OIL POOL BOTTOM HOLE PRESSURE
- TERRY BLINEBRY OIL POOL BOTTOM HOLE PRESSURE

GULF OIL CORP
FT WORTH PROD DIV

CASE NO 727
OCT 20,1954

PRESSURE — PSIG

2750 2500 2250 2000 1750 1500 1250 1000 750 500 250 0

'45 '46 '47 '48 '49 '50 '51 '52 '53 '54

COREGRAPH of BLINEBRY FORMATION
GULF OIL CORPORATION - HARRY LEONARD "A" NO. 37 BL
LOCATION - SECTION 2 - 21S - 37E
SOUTHEASTERN LEA COUNTY, NEW MEXICO

GULF OIL CORP.
FT. WORTH PROD DIV.

CASE NO. 727
OCT. 20, 1954 AGDL

POROSITY - %
PERMEABILITY - Md.
NEUTRON CURVE INCREASES →

OIL SATURATION % Pore Space
WATER SATURATION % Pore Space
GAMMA RAY CURVE INCREASES →

DEPTH FEET LOG

T21S - R37E
T21S - R38E
T22S - R37E
T22S - R38E
T23S - R37E
T23S - R38E

BLK - A28
BLK - A29
BLK - A39
BLK - A40
LEA
ANDREWS
LINE
STATE
MEXICO
TEXAS

1 2 3 4 5 6

DESIGNATED AREAL LIMITS OF

- BLINEBRY GAS POOL
- BLINEBRY OIL POOL
- TERRY BLINEBRY OIL POOL
- TUBB GAS POOL

SOUTHEASTERN LEA COUNTY, NEW MEXICO

LEGEND

- GAS WELL
- OIL WELL RECOMPLETED AS GAS WELL
- GAS-GAS DUAL WELL
- GAS-OIL DUAL WELL

GULF OIL CORP.
FT. WORTH PROD. DIV.

CASE NO. 727
OCT. 20, 1954

COREGRAPH of BLINEBRY FORMATION
GULF OIL CORPORATION - HUGH WELL NO. 4
LOCATION - SECTION 14 - 22S - 37E
SOUTHEASTERN LEA COUNTY, NEW MEXICO

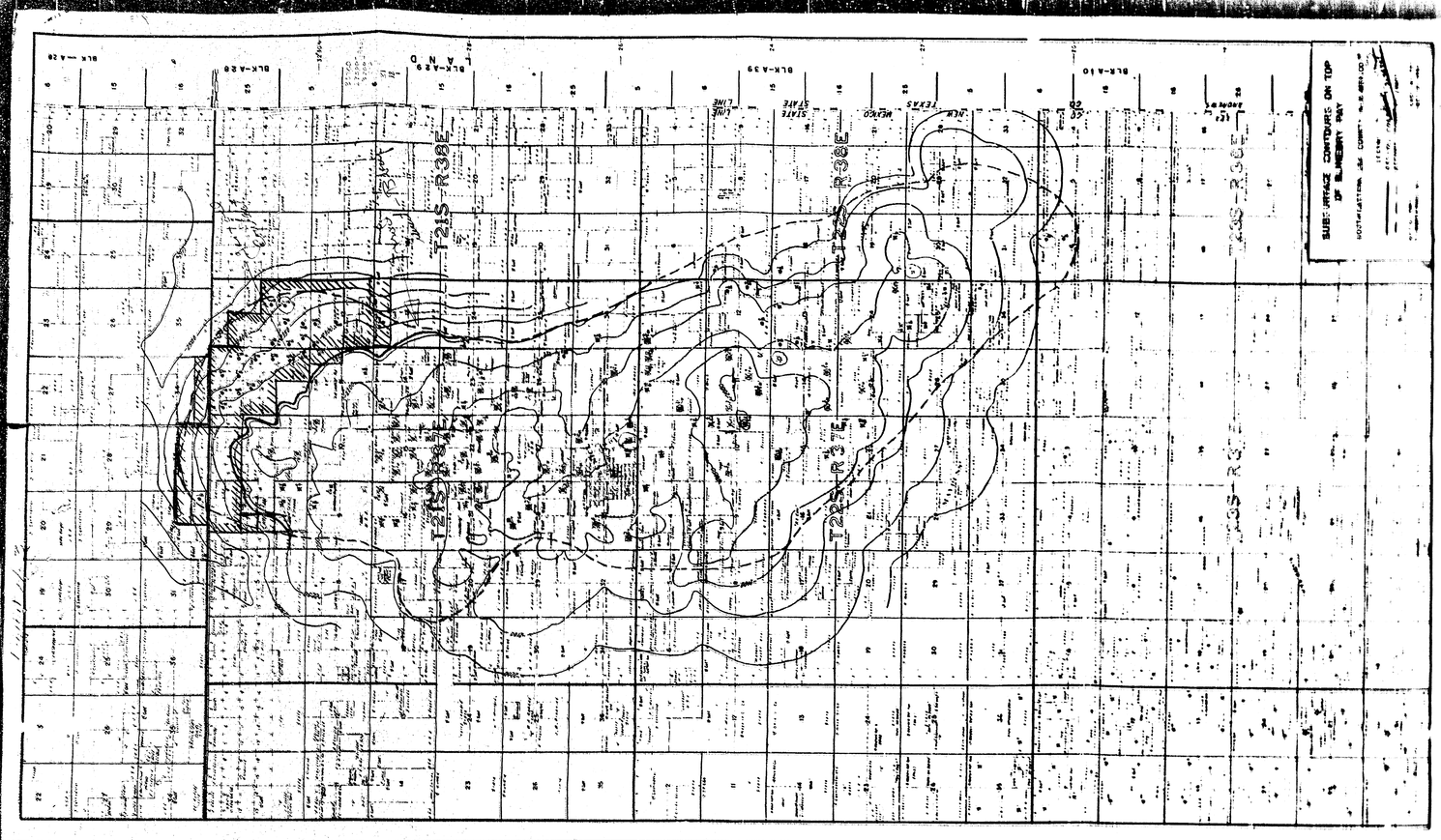
GULF OIL CORP
FT. WORTH PROD DIV

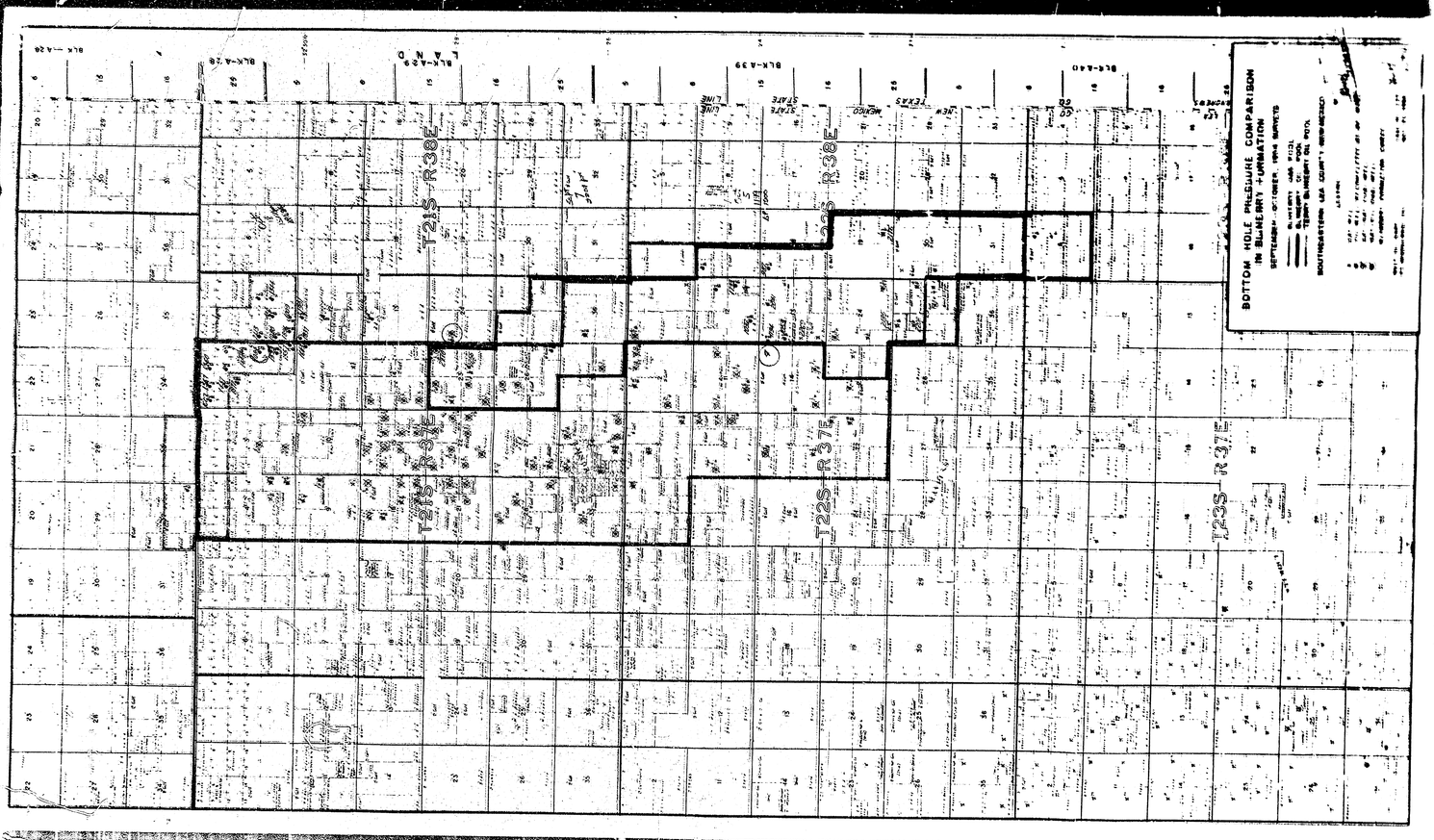
CASE NO 727
OCT 20,1954

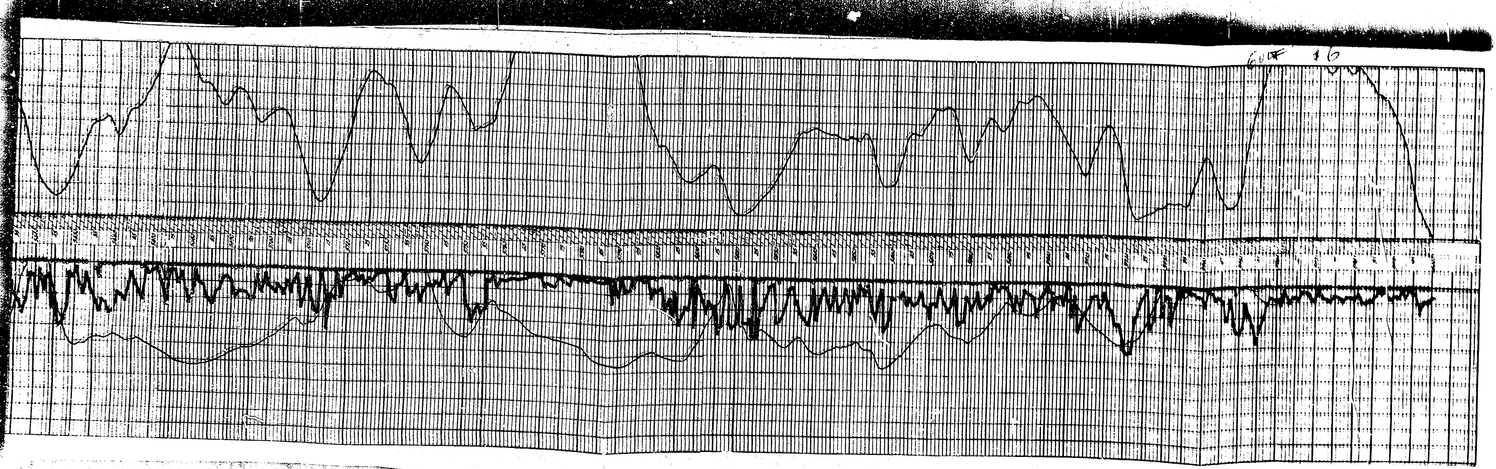
POROSITY - %
PERMEABILITY - Md.
SPONTANEOUS - POTENTIAL millivolts

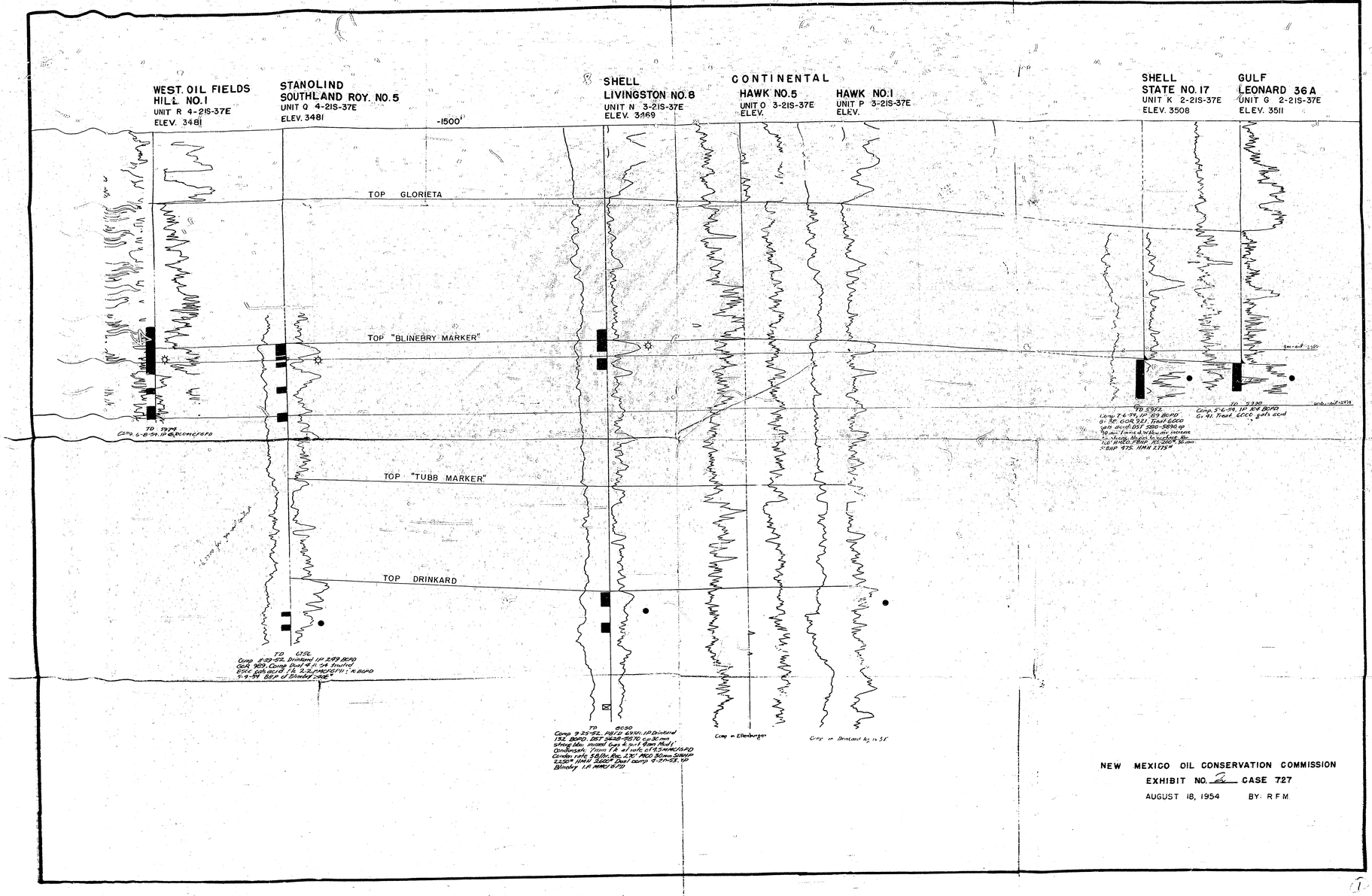
OIL SATURATION % Pore Space
WATER SATURATION % Pore Space
RESISTIVITY ohms m²/m

DEPTH FEET LOG

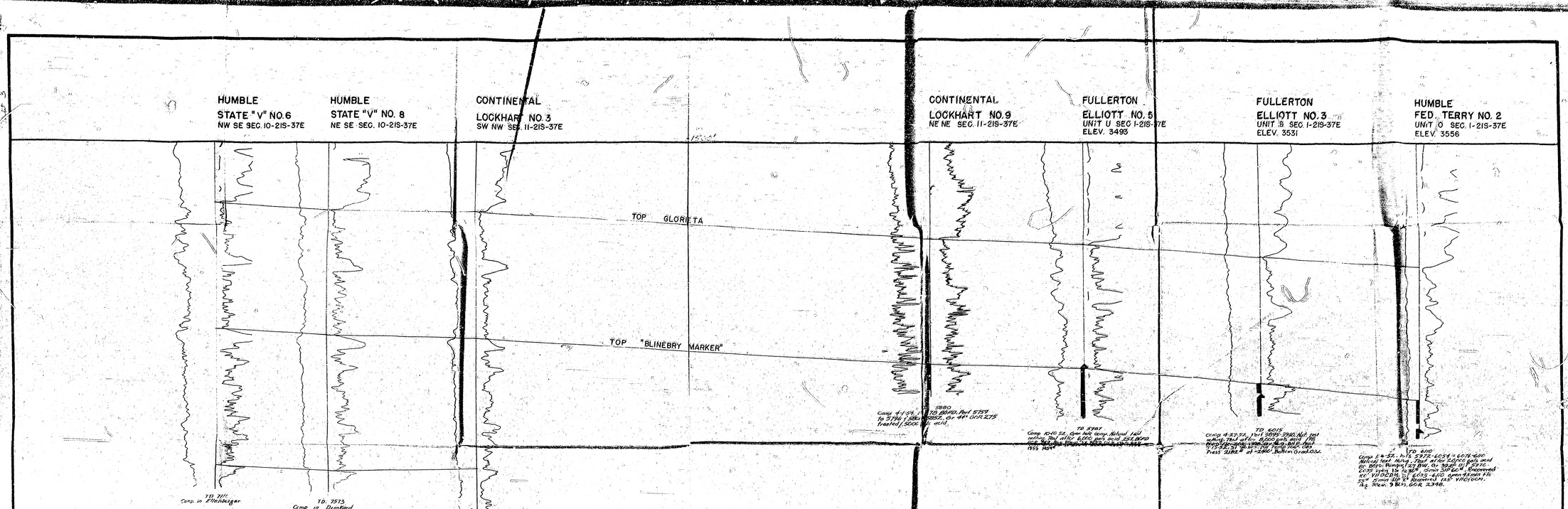

SUBSURFACE CONTOURS ON TOP OF BLINEBRY PAY
T21S R38E
T22S R38E
T22S R37E
T23S R37E


BOTTOM HOLE PRESSURE COMPARISON IN BLINEBRY FORMATION
T21S R38E
T22S R38E
T22S R37E
T23S R37E





NEW MEXICO OIL CONSERVATION COMMISSION
EXHIBIT NO. 2 CASE 727
AUGUST 18, 1954 BY: R F M

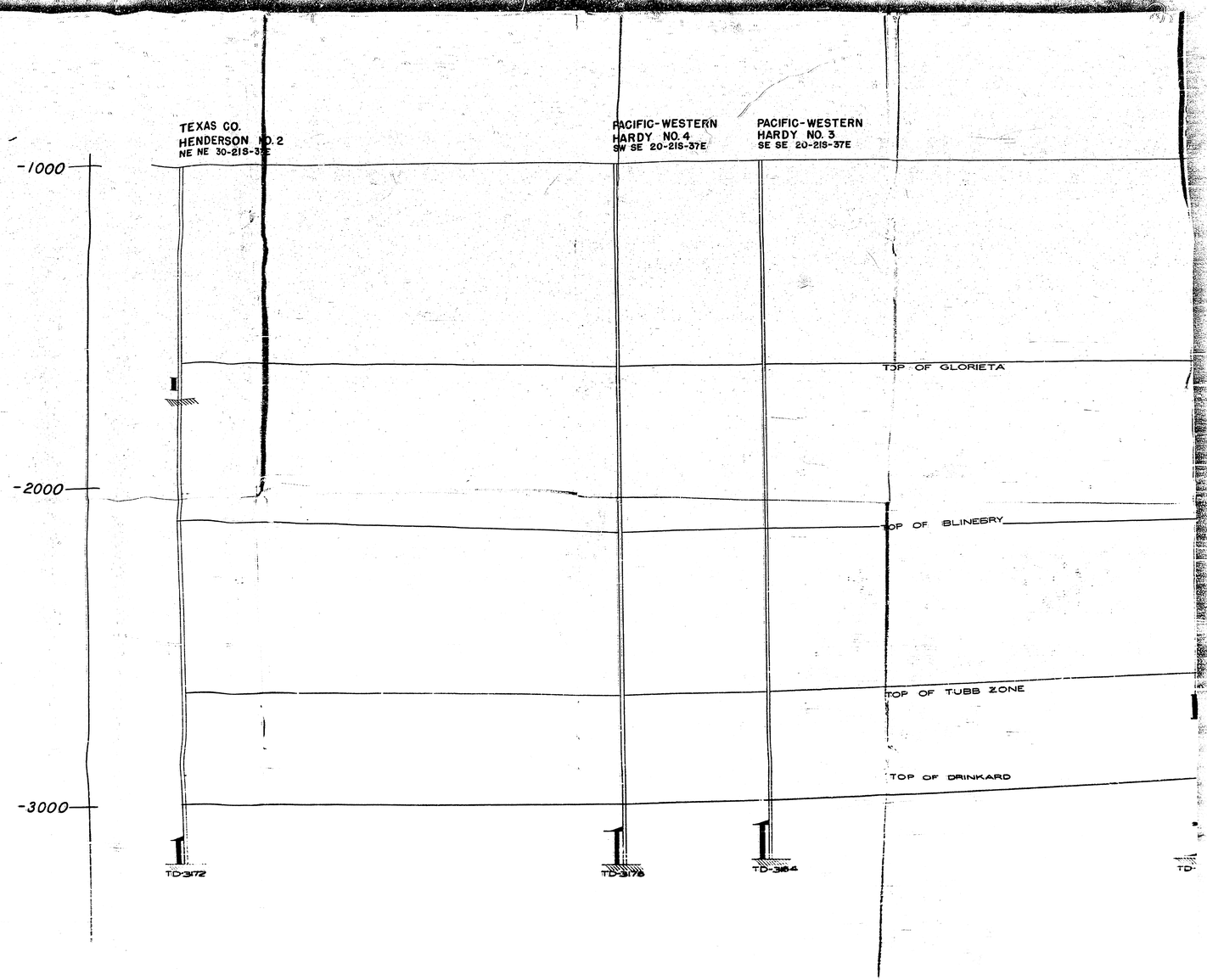


Company-Lease	No.	S-T-R	Date	Time S.I.	Elev.	Depth	Gradient lb/in.	BHP at ?ace	Previous BHP
AZTEC									
State	5-F	2-21-37	5-11-54	72 hrs	3505	5850	32.0	1755	1754 10-15-53
State	2-J	2-21-37	5-11-54	72 hrs	3503	5900	32.0	2227	
FULLERTON									
Elliott	1-T	1-21-37	5-5-54	96 hrs	3501	5901		1107	1106 10-7-53
Elliott	2-S	1-21-37	5-5-54	96 hrs	3531	5931		ACE	1959 10- -53
Elliott	5-U	1-21-37	5-5-54	96 hrs	3493	5895	33.0	1966	2020 10- -53
Elliott	6-V	1-21-37	5-5-54	96 hrs	3515	5913	33.0	1162	1140 10- -53
GULF									
Leonard	2-X	2-21-37	4-29-54	49 hrs	3483	5885		1866	2199 5-22-53
Leonard	5-Y	2-21-37	4-26-54	18 hrs	3481	5891		2041	2993 8-13-53
HUMBLE									
Terry	1-R	1-21-37	4-14-54	55Hr.	3556	5900	33.0	1850	1951 1-21-53
		Total Wells		In	April 1954	average	pressure	1772	
		Same Pool Wells		In	April 1954	average	pressure down	1572 / 196	

Ex 3

NEW MEXICO OIL CONSERVATION COMMISSION
EXHIBIT NO. — CASE 727

AUGUST 18, 1954 BY: R.F.M.


TEXAS CO.
HENDERSON NO. 2
NE NE 30-21S-37E
PACIFIC-WESTERN
HARDY NO. 4
SW SE 20-21S-37E
PACIFIC-WESTERN
HARDY NO. 3
SE SE 20-21S-37E
-1000
-2000
-3000
TOP OF GLORIETA
TOP OF BLINEBRY
TOP OF TUBB ZONE
TOP OF DRINKARD
TD-3172
TD-3178
TD-3164
TD-

ONTINENTAL
ANTZ NO. 3
W SE 21-21S-37E

SHELL
TURNER NO. 2
NW SW 22-21S-37E

SHELL
TURNER NO. 3
NW SE 22-21S-37E

SHELL
TURNER NO. 5
NE SE 22-21S-37E

SHELL
SARKEYS NO. 2
NE SW 23-21S-37E

T21S-R37E

19	20	21	22	23
30	29	28	27	26

3172

TD-3200

TD-3200

TD-3200

TD-3200

Ex 4

TEXAS CO
ESTLOCK NO.1
NW SW 3-21S-37E
ELEV. 3467

HUMBLE
STATE "V" NO. 9
NE SW 10-21S-37E
ELEV. 3464

HUMBLE
STATE "V" NO. 2
SE SW 10-21S-37E
ELEV. 3474

TIDE WATER
STATE "S" NO. 2
NE NW 15-21S-37E
ELEV. 3456

CITIES SERVICE
STATE "S" NO. 5
SE NW 15-21S-37E
ELEV. 3458

SHELL
ARGO NO. 3
NE SW 15-21S-37E
ELEV 3445

SHELL
ARGO NO. 1
SW SW 15-21S-37E
ELEV. 3444

SHELL
ARGO NO. A-1
NW NW 22-21S-37E
ELEV. 3434

-1000

1500

TOP GLORIETA

PADDOCK PAY
OIL

2000

"TOP CLEAR FORK" (BLINEBRY)

BLINEBRY PAY
GAS

2500

"TOP TUBB MARKER" (DRINKARD SANDY MEMBER)

TUBB PAY
GAS

3000

"TOP DRINKARD MARKER"

DRINKARD-VIVIAN PAY
OIL

OIL WELL

COMPLETED IN
ELLENBURGER

P & A

GAS-GAS DUAL

COMPLETED IN
SIMPSON

GAS-OIL DUAL

GAS-OIL DUAL

GAS-OIL DUAL

SHELL
ARGO NO. A-5
SE NW 22-21S-37E
ELEV. 3425

SHELL
TURNER NO.3
NW SE 22-21-37E
ELEV. 3420

CONTINENTAL
LOCKHART A-27 NO.5
NE NE 27-21S-37E
ELEV 3416

HUMBLE
HARDISON B NO. 8
NE SE 27-21S-37E
ELEV. 3408

HUMBLE
HARDISON B NO. 7
SE SE 27-21S-37E
ELEV. 3404

HUMBLE
HARDISON B NO. 4
NW NE 34-21S-37E
ELEV. 3413

HUMBLE
HARDISON B NO. 3
SW NE 34-21S-37E
ELEV. 3415

GAS-OIL DUAL

GAS-OIL DUAL

OIL WELL

OIL WELL

OIL WELL

GAS-OIL DUAL

OIL WELL

HUMBLE
STATE "S" NO. 20
SW NW 2-22-37
ELEV 3380

HUMBLE
STATE "S" NO. 21
NW SW 2-22-37
ELEV 3380

HUMBLE
STATE "S" NO. 22
SW SW 2-22-37
ELEV 3369

OHIO
WORTHAN NO.12
SE NE 11-22S-37E
ELEV. 3354

SAMEDAN
PARKS NO. 6
NW SW 14-22S-37E
ELEV. 3362

= 1000

TOP GLORIETA

PADDOCK PAY
OIL

UPPER YESO

"TOP CLEAR FORK" (BLINEBRY)

BLINEBRY PAY
GAS

MIDDLE YESO

"TOP TUBB MARKER" (DRINKARD SANDY MEMBER)

TUBB PAY
GAS

"TOP DRINKARD MARKER"

DRINKARD - VIVIAN PAY
OIL

LOWER YESO

OIL WELL

OIL TA GAS WELL

OIL WELL

GAS - OIL DUAL

OIL WEL

NORTH - SO

BLINEBRY

OHIO.
WORTHAN NO.12
SE NE 11-22S-37E
ELEV. 3354

SAMEDAN
PARKS NO. 6
NW SW 14-22S 37E
ELEV 3362

SAMEDAN
PARKS NO. 2
SW SW 14-22S-37E
ELEV. 3349

SINCLAIR
BOYD NO. 4
SE NW 23-22S-37E
ELEV. 3334

-1000

TOP GLORIETA

PADDOCK PAY
OIL

UPPER YESO

"TOP CLEAR FORK" (BLINEBRY)

BLINEBRY PAY
GAS

MIDDLE YESO

"TOP TUBB MARKER" (DRINKARD SAND MEMBER)

TUBB PAY
GAS

"TOP DRINKARD MARKER"

DRINKARD-VIVIAN PAY
OIL

LOWER YESO

GAS-OIL DUAL

GAS WELL
IN THE POOL

OIL WELL

GAS OIL DUAL

NORTH - SOUTH CROSS SECTION
BLINEBRY - TUBB GAS POOLS