Case No
3073

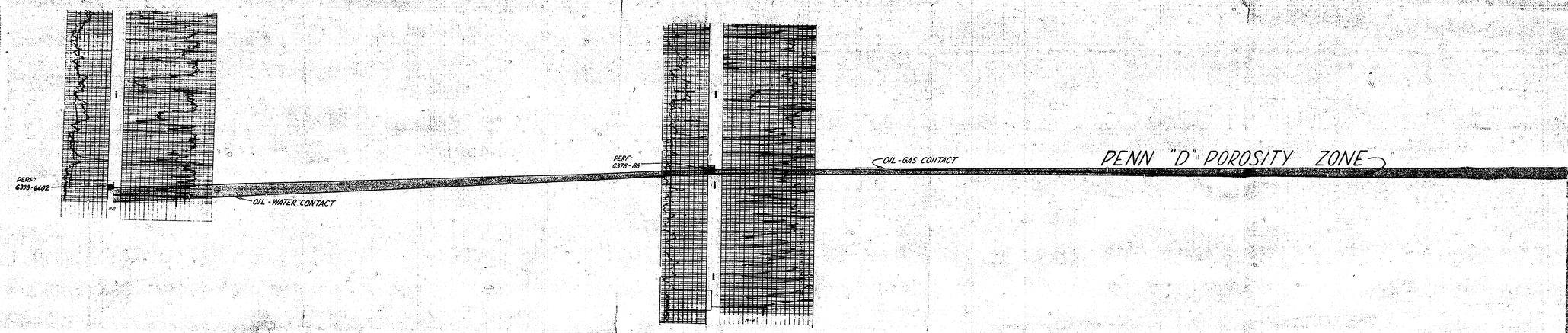
Large Exhibits

W.N.M.C.P. MICROGRAPHICS
BEST AVAILABLE COPY

A

PAN AMERICAN PETROLEUM CORPORATION
NAVAJO TRIBAL "F" NO. 1
1980' FSL AND 1980' FEL
SECTION 7-T29N-R19W
SAN JUAN CO., N.M.
FLOW 178 BOPD and 24 BWPD
1-8-65

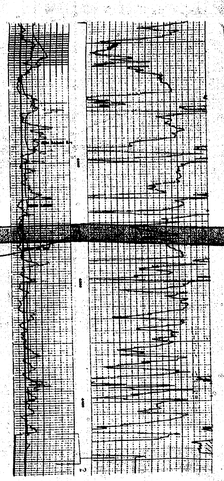
PAN AMERICAN PETROLEUM CORPORATION
NAVAJO TRIBAL "F" NO. 4
660' FSL AND 660' FEL
SECTION 18-T29N-R19W
SAN JUAN CO., N.M.
FLOW 321 BOPD
11-3-64

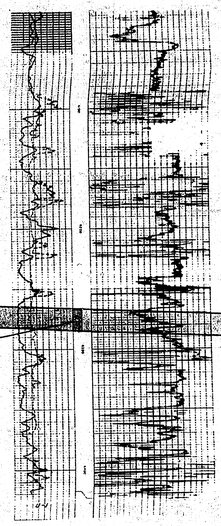


BEST AVAILABLE COPY

PAN AMERICAN PETROLEUM CORPORATION
NAVAJO TRIBAL "H" NO. 3
810' FSL AND 1650' FEL
SECTION 17-29N-11W
SAN JUAN CO., N.M.
FLOW 5120 MCFPD
TP 2437
CPP 2617
8-25-64

PAN AMERICAN PETROLEUM CORPORATION
NAVAJO TRIBAL "H" NO. 1
1980' FSL AND 660' FWL
SECTION 21-29N-11W
SAN JUAN CO., N.M.
FLOW 463 MCFD
8-26-64





OIL - GAS CONTACT

PERF: 6253-6265

PERF: 6267-85

OIL - WATER CONTACT

PENN "D"

NORTH - SOUTH CROSS SECTION A - A'
TOCITO DOME PENN "D" FIELD
SAN JUAN COUNTY, NEW MEXICO

HORIZONTAL SCALE: 1" = 200'
VERTICAL SCALE: 1" = 40'

N.M.O.C.D. MICROGRAPHICS
BEST AVAILABLE COPY

PAN AMERICAN PETROLEUM CORPORATION
NAVAJO TRIBAL "F" NO. 2
660' FNL AND 1980' FEL
SECTION 21-T26N-R13W
SAN JUAN CO., N.M.
FLOW 21 BBLS. SALT WATER 5 MCF.
TP 230
10-18-64

TEXACO, INC.
NAVAJO TRIBAL "AL" NO. 1
1980' FNL AND 660' FEL
SECTION 28-T26N-R13W
SAN JUAN CO., N.M.
FLOW 430 BOPD
5-3-65

A'

TEXACO, INC.
NAVAJO TRIBAL "AL" NO. 2
660' FNL AND 660' FEL
SECTION 28-T26N-R13W
FLOW 99 BOPD
6-24-65

...D" POROSITY ZONE

PERF: 6280-84

OIL-WATER CONTACT

PERF: 6275-6302

OIL-WATER CONTACT

PERF: 6314-18

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
PAN AM EXHIBIT NO. 2
CASE NO. 3073
8-11-65

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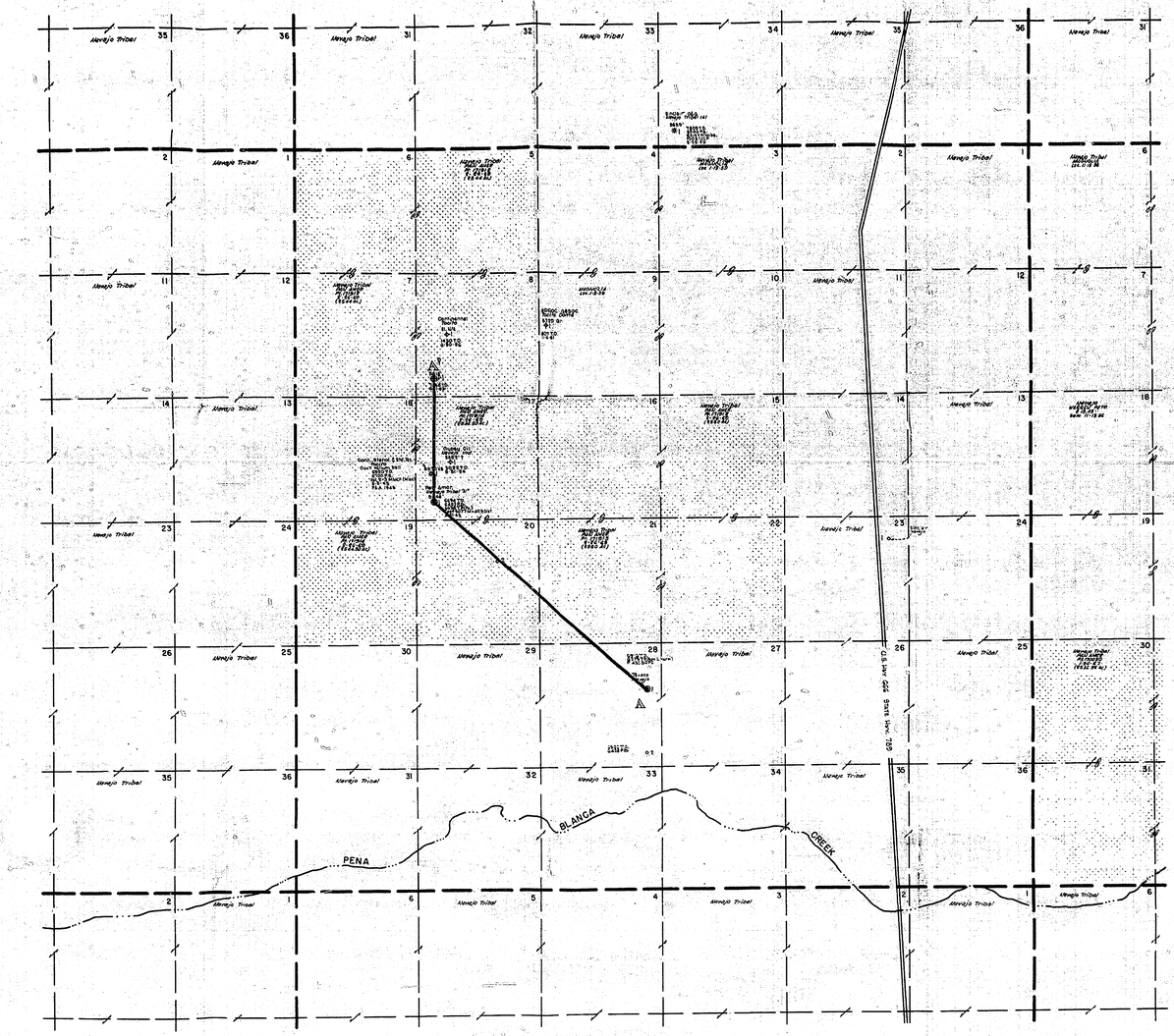


PAN AMERICAN PETR CORP.

FARMINGTON DISTRICT

TOCITO DOME AREA

SAN JUAN CO., NEW MEXICO

SCALE: 1"=2000'

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
Pan Am EXHIBIT NO. 1
CASE NO. 3075
7-1-60

V.A.N.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

NW

PAN AMERICAN No. 1 – *Navajo Tribal "A"*
SW SW 8 26N–18W
Gas in 28 mins. Wtr. in 3mins.
Est. flow 1 BPM ¼ Stress oil

5,300'

PAN AMERICAN No. 1 – *Navajo Tribal "N"*
SW SW 17 26N–18W
6358–55 & 6812–6410
IP–Flow 5077 MCFG/D
+ approx 40 B Cond/million

13,200'

TEXACO No. 1 – *Navajo Tribal "BL"*
SE NE 28 26N–18W
6275–6903
IP Flow 430 BO/D.

8,450'
(Horizontal Scale changes 1"=2000')

SE

TEXACO No. 2 – *Navajo Tribal "BL"*
SE SE 28 26N–18W
Perf. 6314–18 Pay
IP *Not Available*

SEA LEVEL

Gamma Ray — Sonic

DST No. 17
6360–6400

PBSC –434

PBSL –491

TOP OF BARKER CREEK FORMATION

PBSC –483

PBSL –511

Scale: 100' / 50' / 0 — 2000' 1000'

Gas Productive
Water Productive
Oil Productive

TEXACO Inc.
DENVER, COLORADO

NW-SE STRUCTURAL CROSS SECTION
TOCITO DOME AREA
San Juan County, New Mexico

HORIZONTAL SCALE: 1"=1000'
VERTICAL SCALE: 1"=100'
JUNE 22, 1964

Exhibit "B"

V.N.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

A

TEXACO INC.
#1 NAVAJO "A1"
1980/N & 660/E
SECTION 28 - T26S - R15W
SAN JUAN COUNTY, NEW MEXICO
DF 5761' L&S
IP: 430 BOPD, 16/64" Ck.
Based on 14 hour test

PAN AMERICAN
NAVAJO "F" #1
SW/4 SECTION 17 - T26S - R15W
SAN JUAN COUNTY, NEW MEXICO
5648' DF ELEV.
IP 5007 MCFPD (CAGD) &
270 BCPD
LOWER HERMOSA PAY
6338-6410'
4-20-63
TD 6464' MISS

A'

PAN AMERICAN PETROLEUM CORPORATION
#1 NAVAJO "F"
790' SNL
SECTION 17 - T26S - R15W
SAN JUAN COUNTY, NEW MEXICO
DF 5615' L&S
P&A 9-11-65

-500'

TOP PENNSYLVANIAN PAY MEMBER

PERF. 6275-6281,
6284-6290 & 6294-6302
ACD w/ 250 GAL.

PERF. 6334-6356,
ACD. w/ 3000 GAL.

PERF. 6392-6410
ACD. w/ 1500 GAL.

CEMENT PLUG
FROM 6462 TO TD.

TOP MISSISSIPPIAN

PERF. (MISS.) 6634-6651
6A. 204 MCFPD (NON-FLAM.)
AFTER ACD.

5 1/2" CSG 6654
CMT w/ 600 SX.

DST #1 6350-6408 (PENN)
TO 34 MIN. GTS 28 MIN.
WATER TO SURFACE 34 MIN.
SIIP: 1085-3210, BHPSI 3210

DST #2 6695-6785 (MISS)
TO 1½ HR. FAIR BLOW THRO-
OUT. NON-PLANABLE. TSTM.
REC. 60' SLI GCM. BHPF
40-80#, IBHPSI 2300#

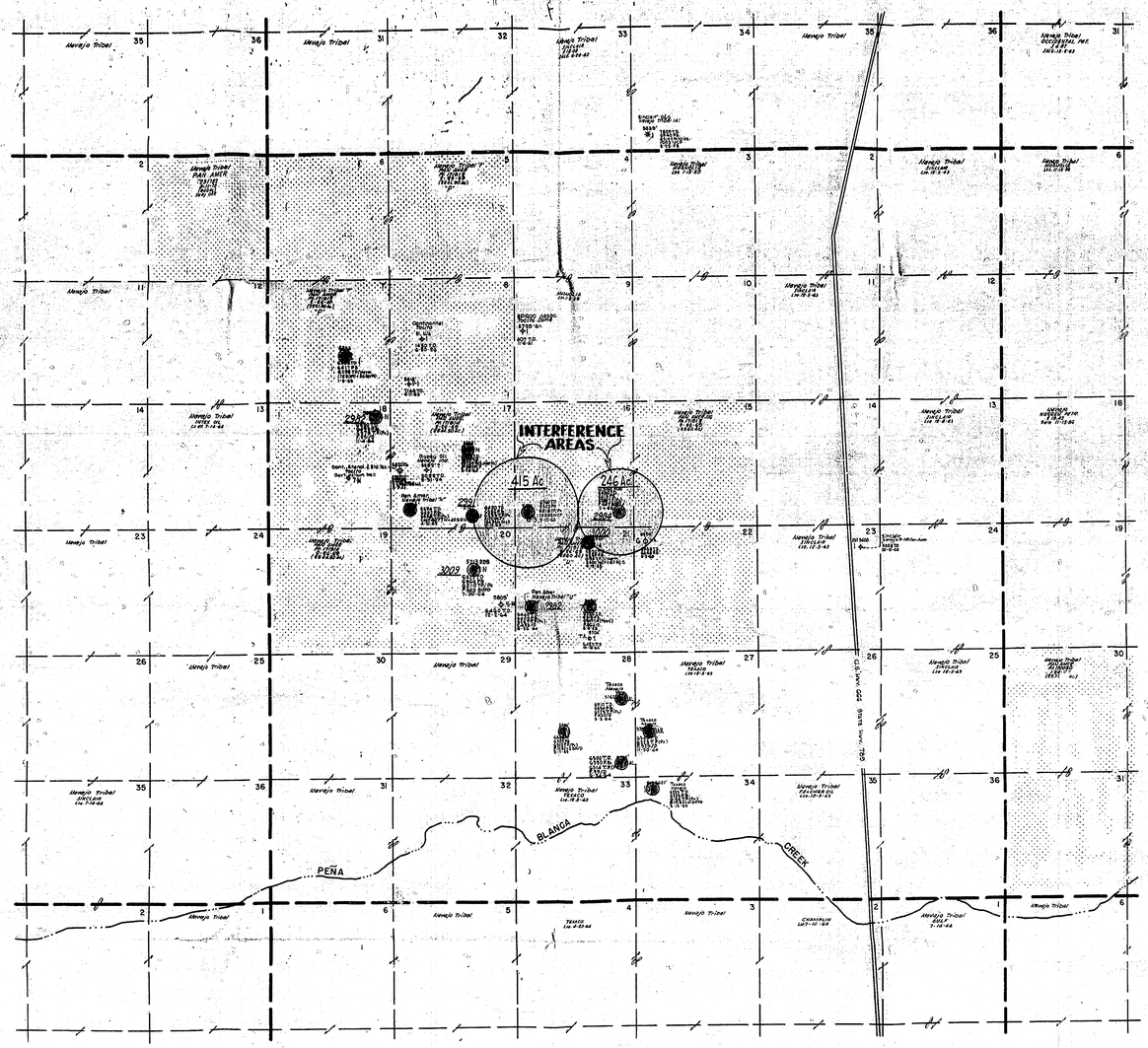
DST #3 6782-6836
REC. 10' MUD, NS

DST #4 7090-7148
REC. 350' SALTY WCM
& 6750' SALT WATER

NORTH - SOUTH CROSS SECTION
TOCITO DOME AREA

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
Pan Am EXHIBIT NO. 2
CASE NO. 3025
7-1-64

MADE IN U.S.A.
STANDARD NOMOGRAMS
KEUFFEL & ESSER CO.



LEGEND

- Oil Wells
- Gas Wells

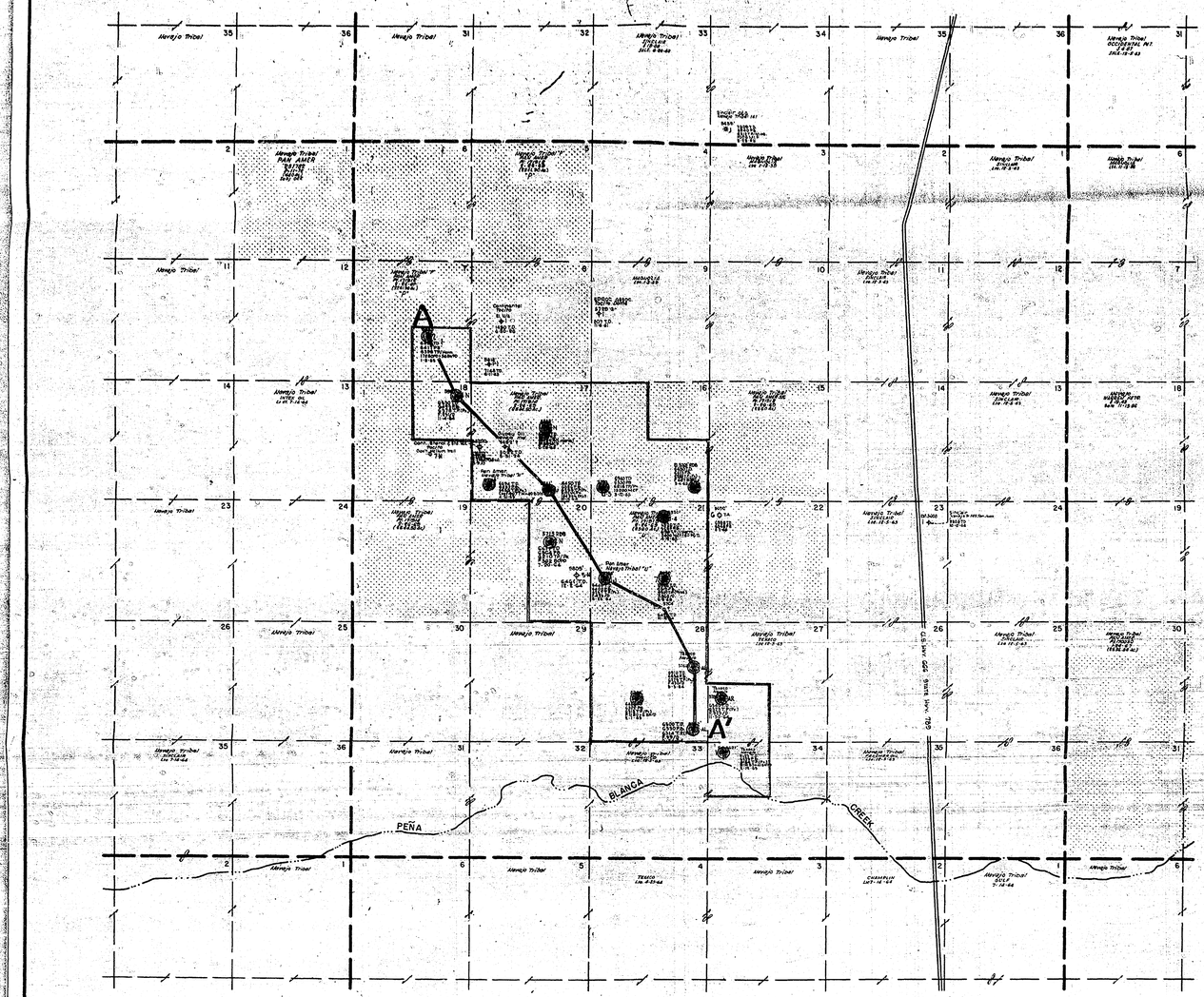
3002 Bottom hole pressure, 6-1-65 (Datum -510)

PAN AMERICAN PETR CORP.
FARMINGTON DISTRICT
TOCITO DOME AREA
SAN JUAN CO., NEW MEXICO
SCALE: 1"=2000'

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 5
CASE NO. 3093
8-11-65

7-21-65

W.N.M.C.P. MICROGRAPHICS
BEST AVAILABLE COPY



LEGEND

- Oil Wells
- Gas Wells
- Trace Cross Section A-A'
- Real Boundaries (R-2036 plus new development)

PAN AMERICAN PETR CORP.

FARMINGTON DISTRICT

TOCITO DOME AREA

SAN JUAN CO., NEW MEXICO

SCALE: 1"=2000'

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 1
CASE NO. 3073

8-11-65

7-21-65

W.N.M.C.P. MICROGRAPHICS

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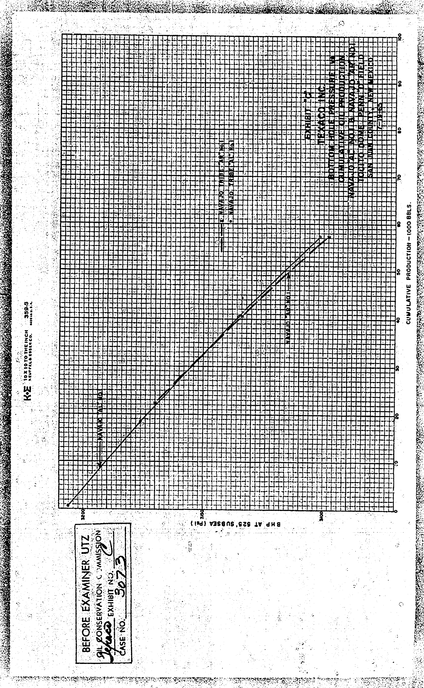
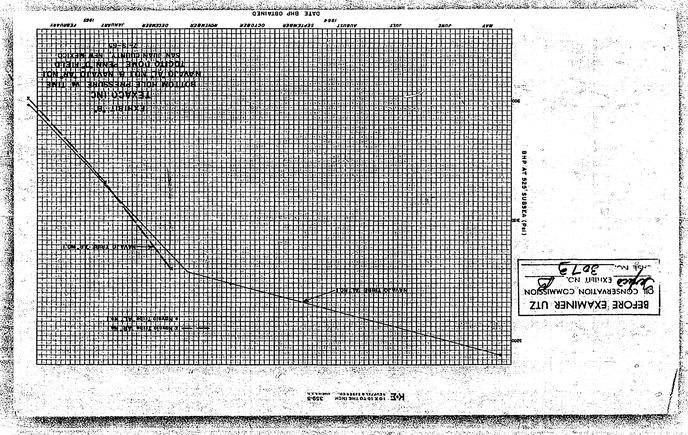

KE
BHP AT 825' SUBSEA (PSI)
CUMULATIVE PRODUCTION - 1000 BBLS.
ZONE: 'Z'
PENASCO, INC.
BUSTOS GAS PROJECT
DUBLIN-JAVELINA FIELD
CHAVES COUNTY, NEW MEXICO
BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 3
CASE NO. 3073

M.I.A.C.F. NEW MEXICO PRINTS
MADE IN THE U.S.A.

U.S.M.C.V. MONUMENTS
MUST REMAIN CUT


DATE SHP OBTAINED
MAY
JUNE
JULY
AUGUST
SEPTEMBER
OCTOBER
NOVEMBER
DECEMBER
JANUARY
1985
FEBRUARY
EXHIBIT 5C
TEXACO INC.
BOTTOM HOLE PRESSURE vs. TIME
MAXIMUM-MINIMUM DATUM
TOOTH TOWN PEAK-TO-PEAK
SAN JUAN COUNTY, NEW MEXICO
BHP AT 4287' SUBSEA (psi)
WILDERNESS BLOCK
1 MAXIMUM TIME VAL.
1 MINIMUM TIME VAL.
BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 5C
CASE NO. 8473

NW

SE

PAN AMERICAN No.1–*Navajo Tribal "P"*
SW SW 8 26N–18W
Gas in 328 mins. 4Mcf in 34mins.
Est. flow 1 BPM =/trace oil

PAN AMERICAN No. 1 – *Navajo Tribal "I"*
SW SW 17 26N–18W
6338–56 & 6392–6410
IP–Flow 5077 MCFG/D
+ Approx. 20 B Cond/million

TEXACO No.1–*Navajo Tribal "AL"*
SE NE 28 26N–18W
6275 – 6305
IP Flow 430 BO/D

TEXACO No. 2–*Navajo Tribal "AL"*
SE SE 28 26N–18W
Perf. 6311–18 Pay.
IP *not Available*

5300' | 18,200' | 8,450' (Horizontal Scale change 1"=2000')

SEA LEVEL

Gamma Ray | Sonic

Pdsc-491'

DST No.17
6360-6417
Open 1 hr.
Rec. 1200' Gas
in Drill Pipe

Pdsc-436'

TOP OF BARKER CREEK FORMATION

Pdsc-482'

Pdsc-511'

PAY

100
50
0
Scale 500' 1000'

Gas Productive
Water Productive
Oil Productive

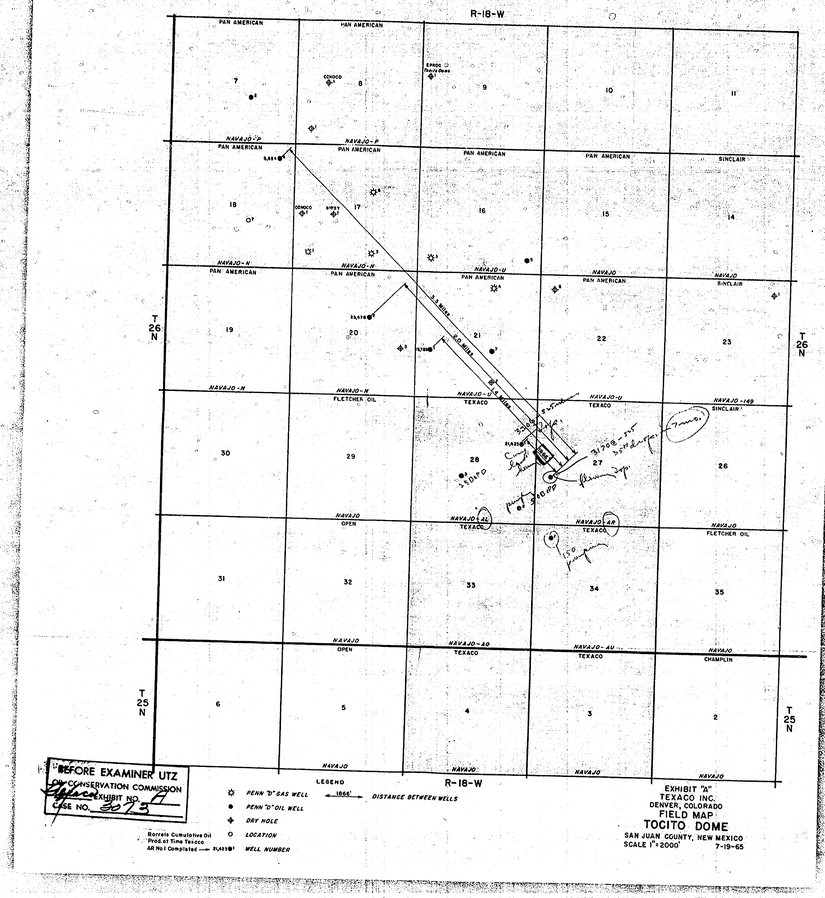
TEXACO Inc.
DENVER, COLORADO

NW-SE STRUCTURAL CROSS SECTION
TOCITO DOME AREA
San Juan County, New Mexico

HORIZONTAL SCALE: 1"= 1000' | JUNE 22, 1964
VERTICAL SCALE: 1"= 100'

Exhibit "B"

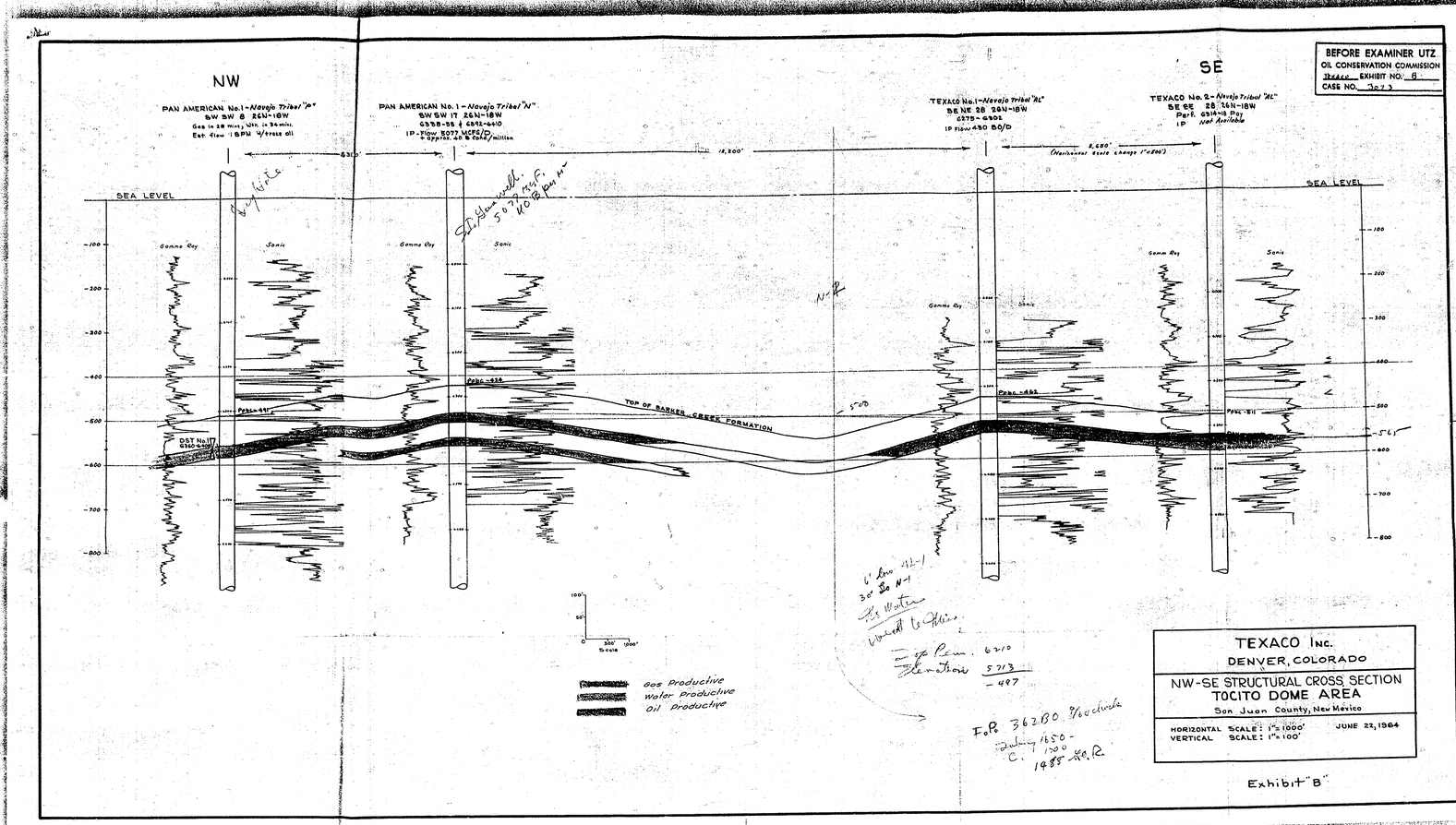
V.N.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY



BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 7
CASE NO. 3073

U.N.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
Texaco EXHIBIT NO. 6
CASE NO. 3073



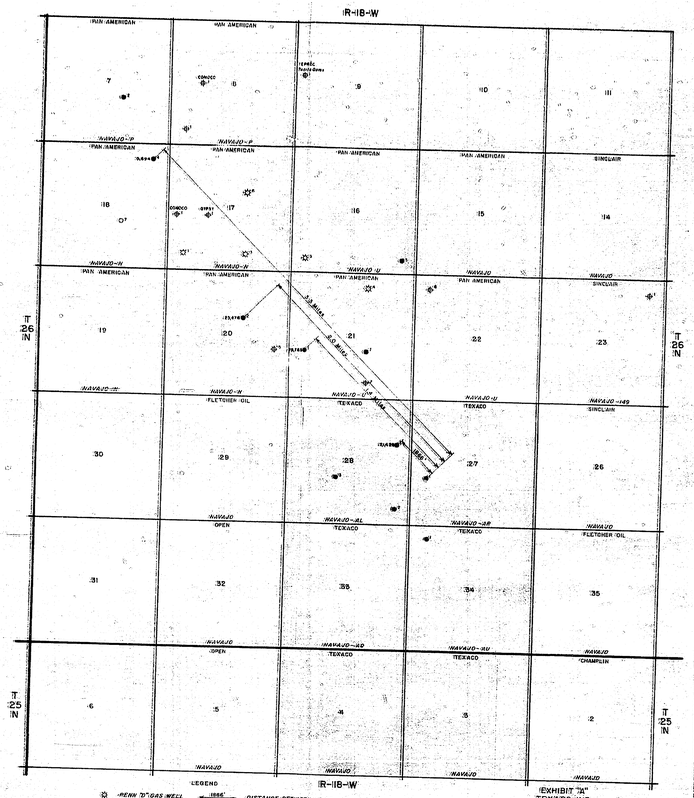
TEXACO Inc.
DENVER, COLORADO

NW-SE STRUCTURAL CROSS SECTION
TOCITO DOME AREA
San Juan County, New Mexico

HORIZONTAL SCALE: 1"= 1000' JUNE 22, 1964
VERTICAL SCALE: 1"= 100'

Exhibit "B"

V.R.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY



N.M.O.C.C. MICROGRAPHICS
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