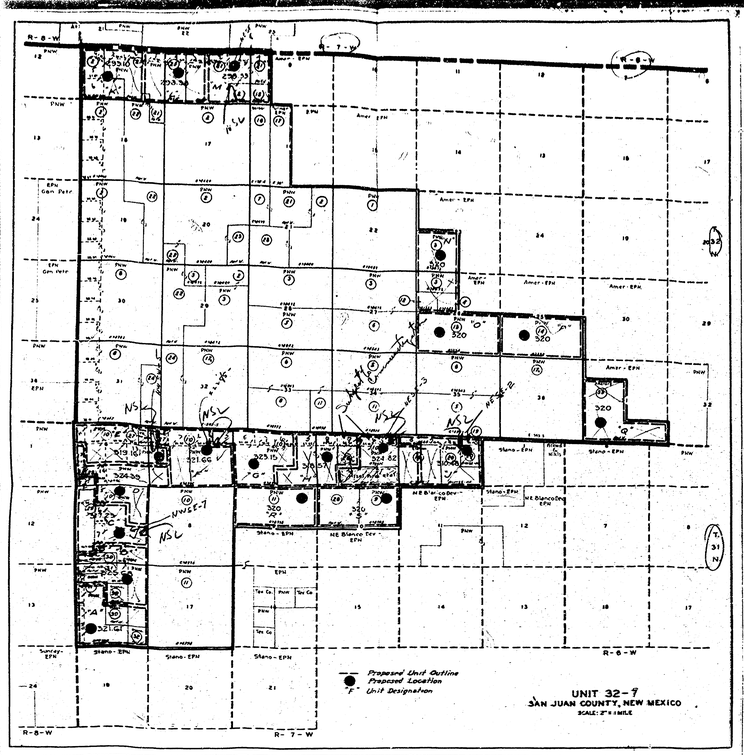
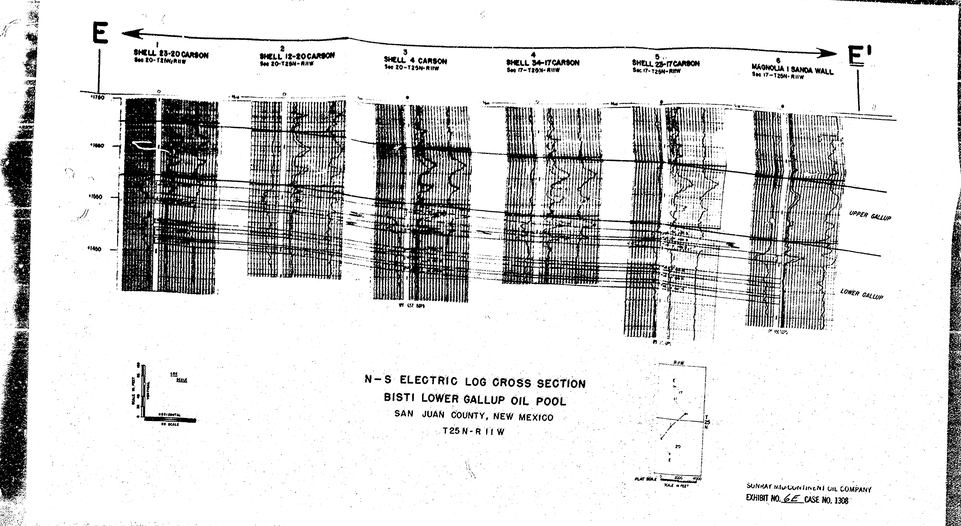
Case No.

1308

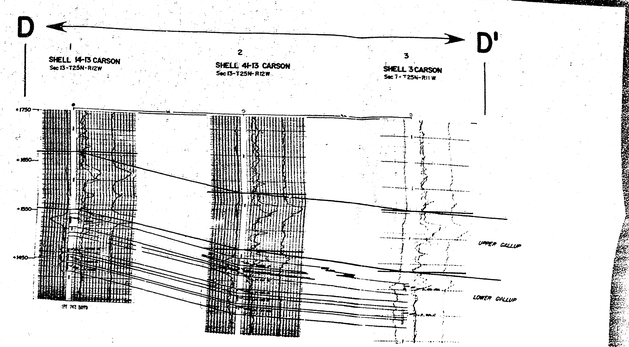
Large Exhibits





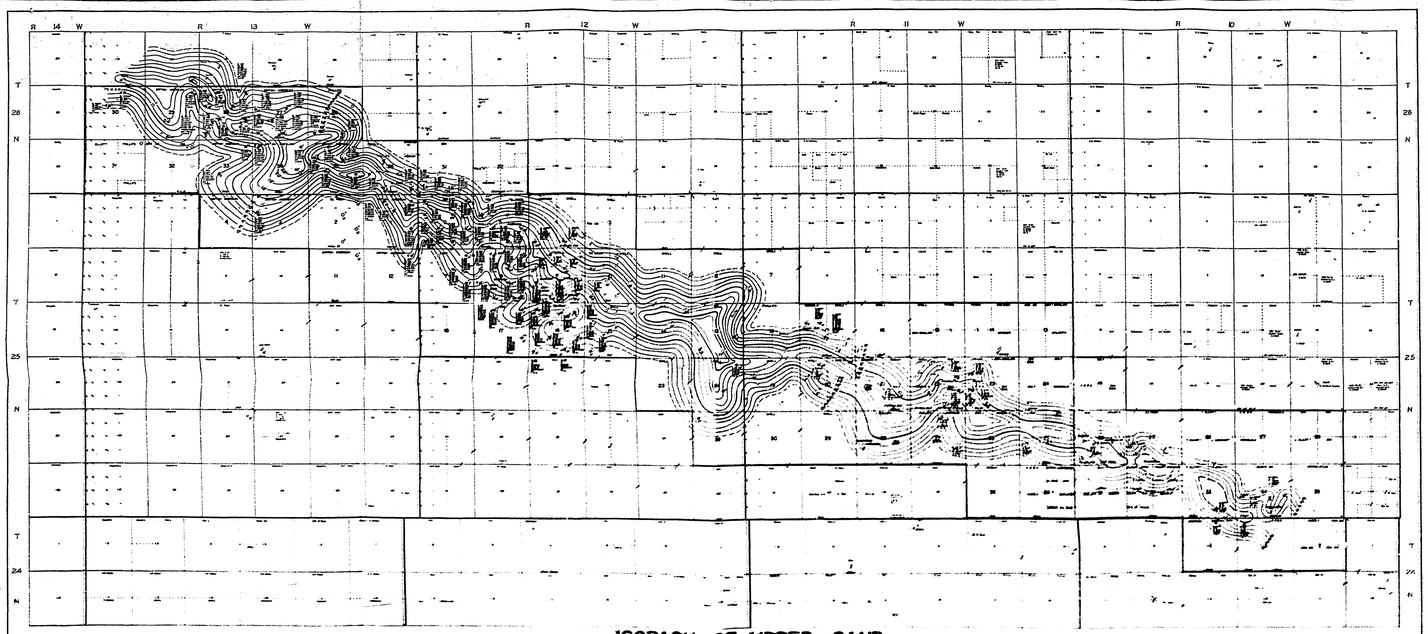
N-S ELECTRIC LOG CROSS SECTION
BISTI LOWER GALLUP OIL POOL
SAN JUAN COUNTY, NEW MEXICO
T25N-R11W

SUNRAY MID-CONTINENT OIL COMPANY
EXHIBIT NO. 62 CASE NO. 1308



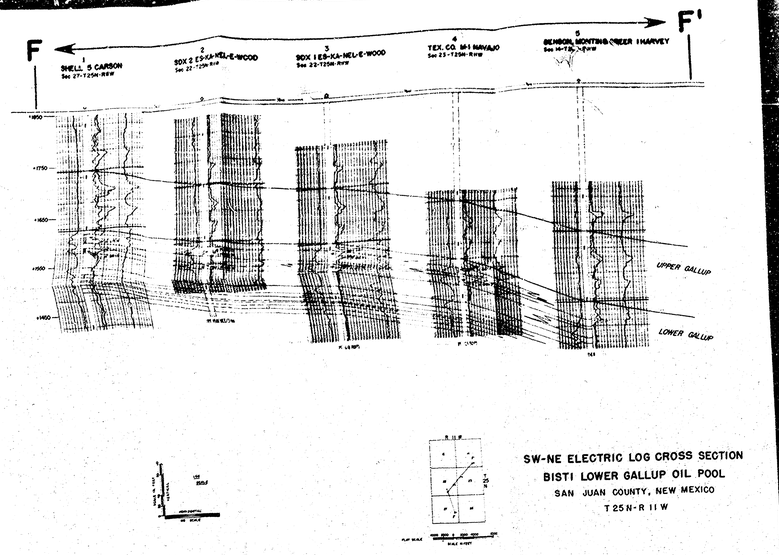
NE-SW ELECTRIC LOG CROSS SECTION
BISTI LOWER GALLUP OIL POOL
SAN JUAN COUNTY, NEW MEXICO
T 25 N -- R 11 & 12 W

SUNRAY MID-CONTINENT OIL COMPANY
EXHIBIT NO. 60 CASE NO. 1308



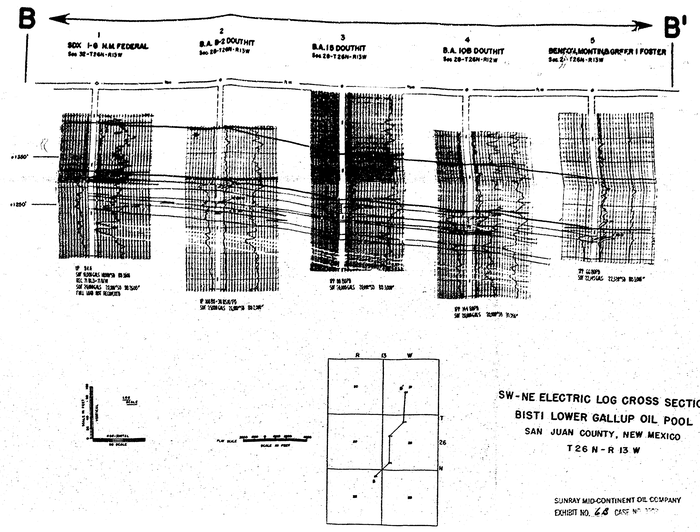
ISOPACH OF UPPER SAND
LOWER GALLUP FORMATION
BASED ON MICROLOG SEPARATION
CONTOUR INTERVAL 2'

SUNRAY MID-CONTINENT OIL COMPANY
DWG. NO. C2-165



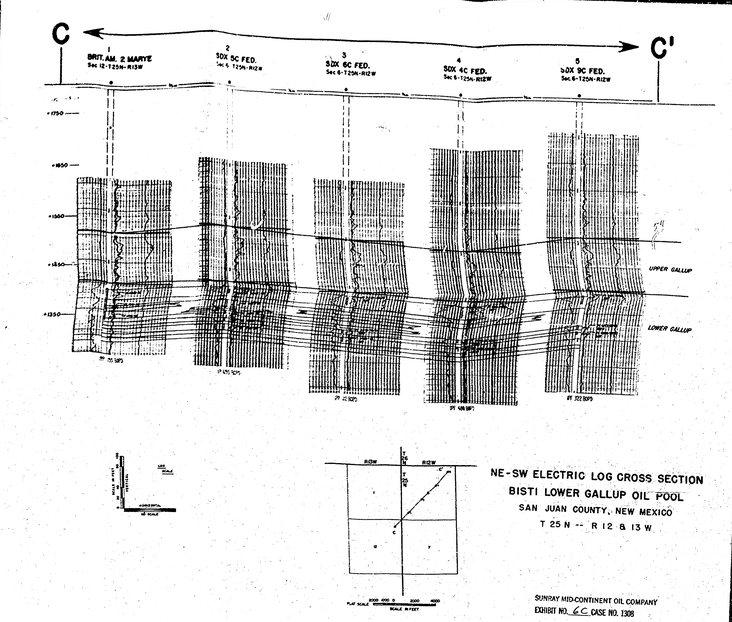
SW-NE ELECTRIC LOG CROSS SECTION
BISTI LOWER GALLUP OIL POOL
SAN JUAN COUNTY, NEW MEXICO
T 25 N - R 11 W

SUNRAY MID-CONTINENT OIL COMPANY
EXHIBIT NO. 6F CASE NO. 1308



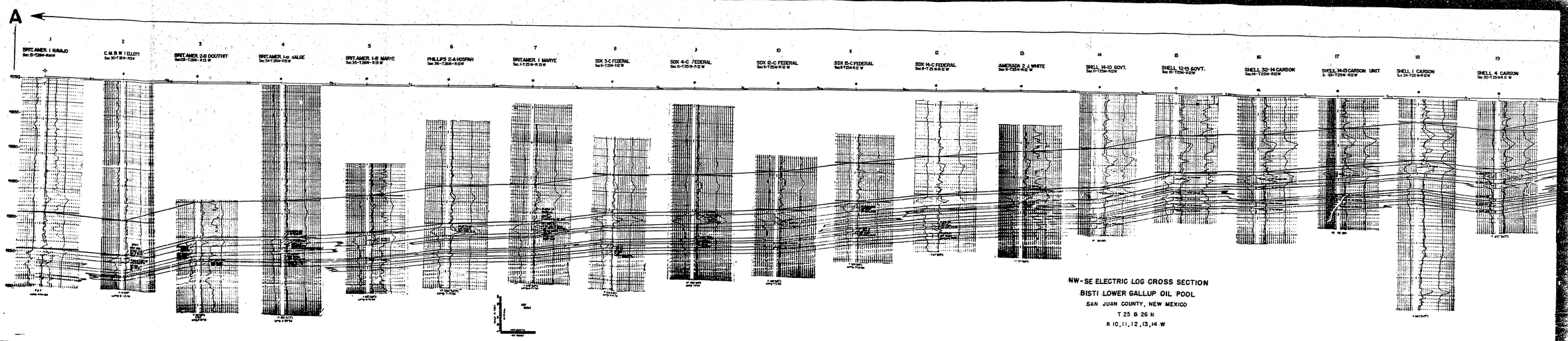
SW-NE ELECTRIC LOG CROSS SECTION
BISTI LOWER GALLUP OIL POOL
SAN JUAN COUNTY, NEW MEXICO
T 26 N - R 13 W

SUNRAY MID-CONTINENT OIL COMPANY
EXHIBIT NO. 6B CASE NO. 1308

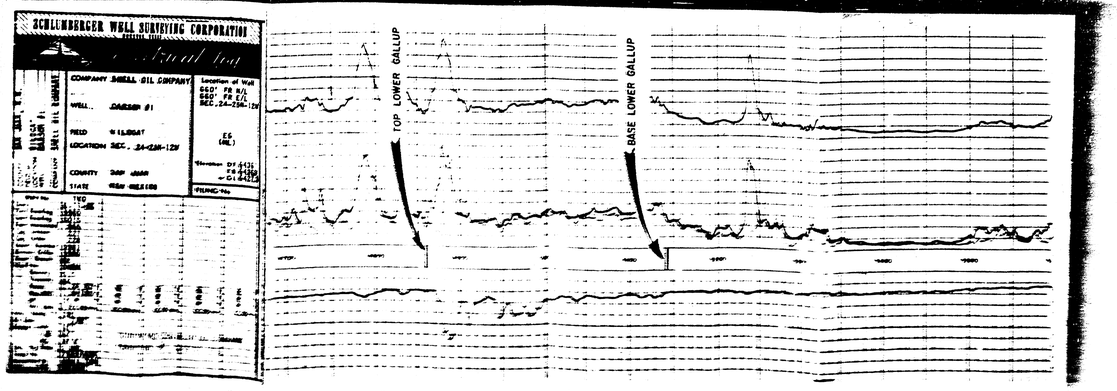


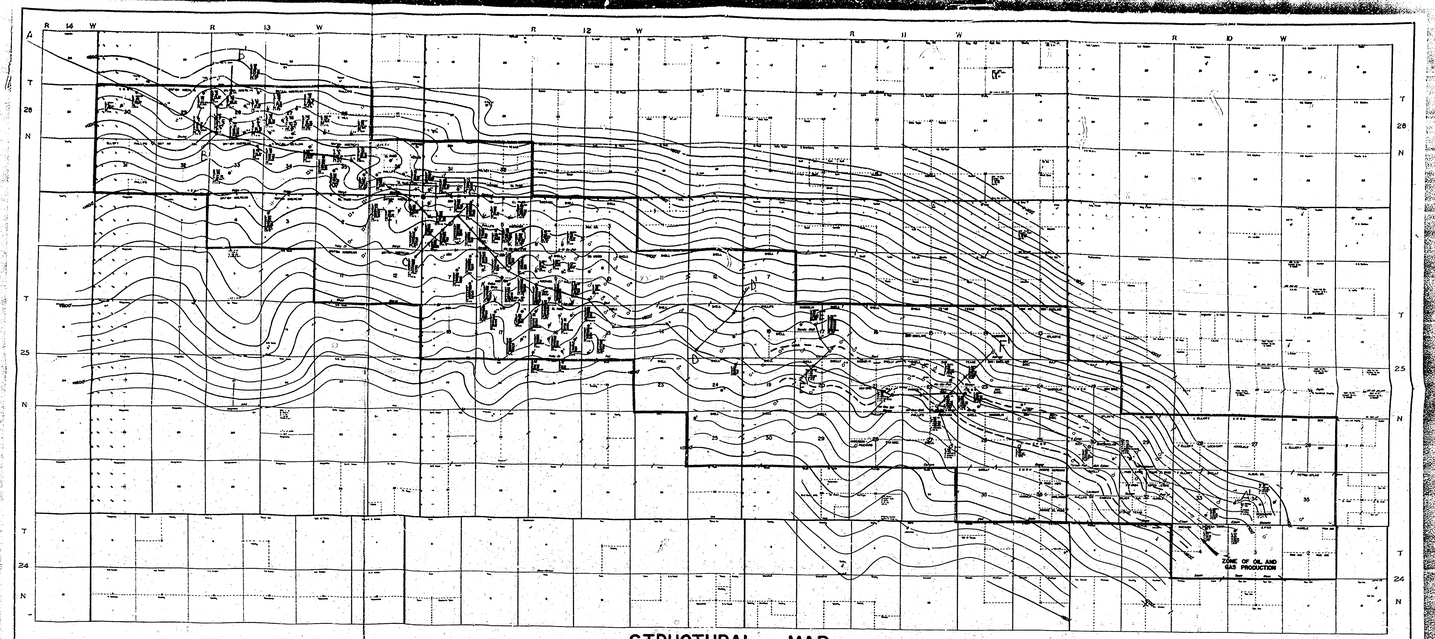
NE-SW ELECTRIC LOG CROSS SECTION
BISTI LOWER GALLUP OIL POOL
SAN JUAN COUNTY, NEW MEXICO
T 25 N -- R 12 & 13 W

SUNRAY MID-CONTINENT OIL COMPANY
EXHIBIT NO. 6C CASE NO. 1308



NW-SE ELECTRIC LOG CROSS SECTION
BISTI LOWER GALLUP OIL POOL
SAN JUAN COUNTY, NEW MEXICO
T 25 & 26 N
R 10, 11, 12, 13, 14 W





STRUCTURAL MAP

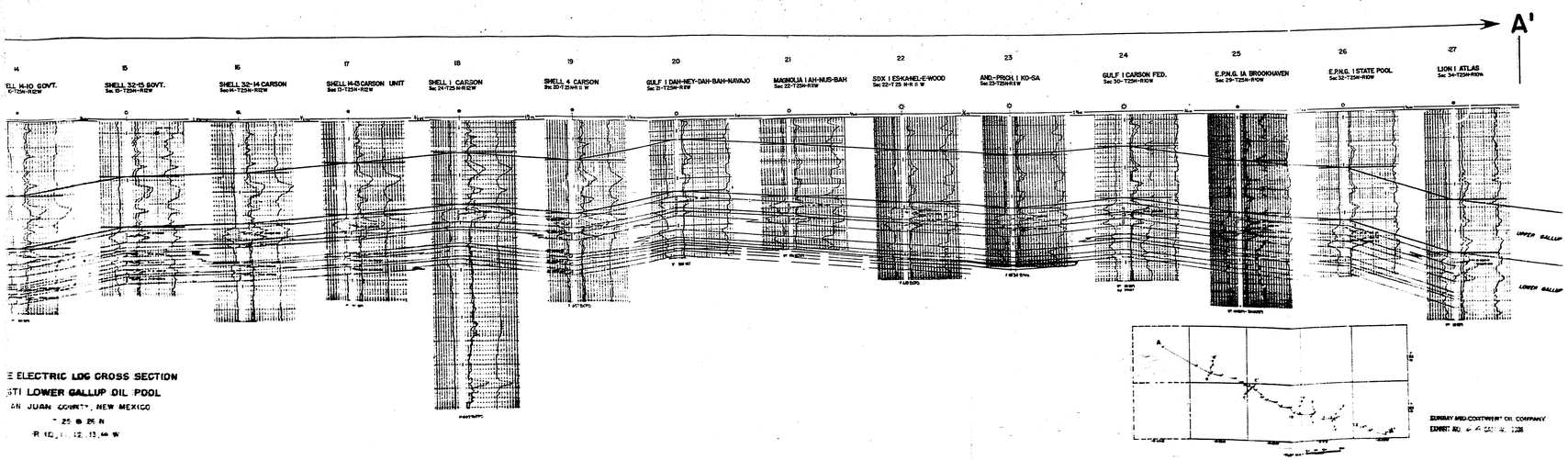
DATUM: TOP LOWER GALLUP FORMATION

CONTOUR INTERVAL 20'

SUNRAY MID-CONTINENT OIL COMPANY
EXHIBIT NO. 5 CASE NO. 1308

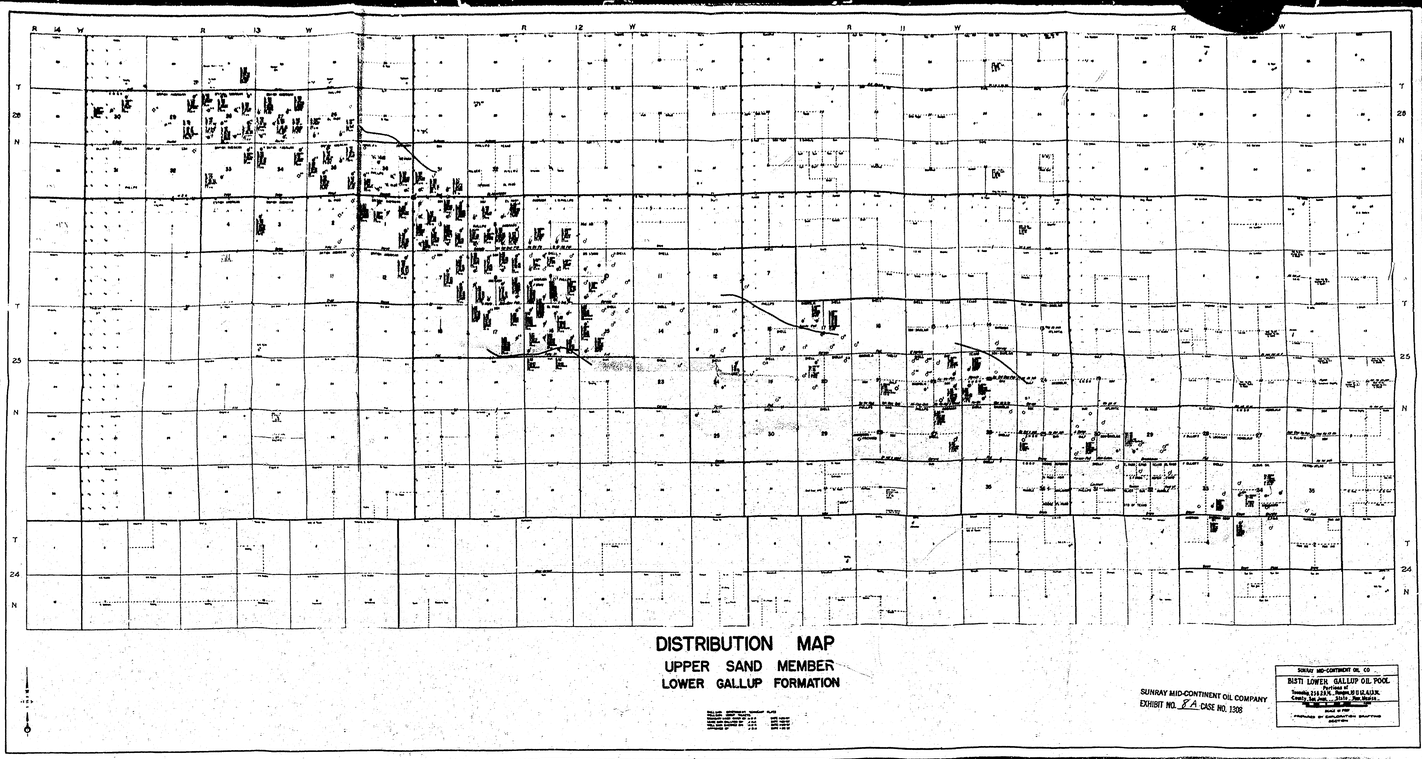
SUNRAY MID-CONTINENT OIL CO.
BISTI LOWER GALLUP OIL POOL
San Juan County, New Mexico
Township 24 & 25 N., Ranges 10 & 11 & 12 & 13 W., N.M.P.M.
Contour Interval 20 Ft. Datum: Top Gallup

C2-162



E ELECTRIC LOG CROSS SECTION
STI LOWER GALLUP OIL POOL
AN JUAN COUNTY, NEW MEXICO
T 25 & 26 N
R 10, 11, 12, 13, & 14 W

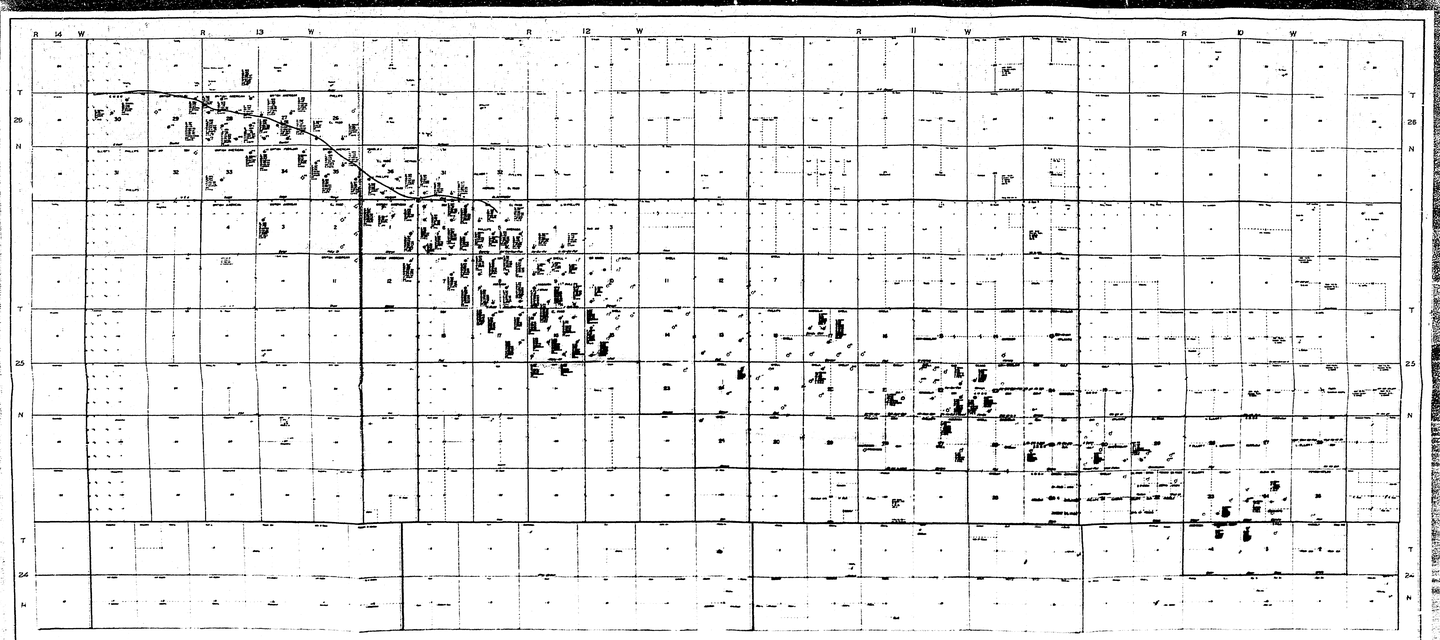
SUNRAY MID-CONTINENT OIL COMPANY
EXHIBIT NO. 6 CASE NO. 1308



DISTRIBUTION MAP
UPPER SAND MEMBER
LOWER GALLUP FORMATION

SUNRAY MID-CONTINENT OIL COMPANY
EXHIBIT NO. 2-A CASE NO. 1308

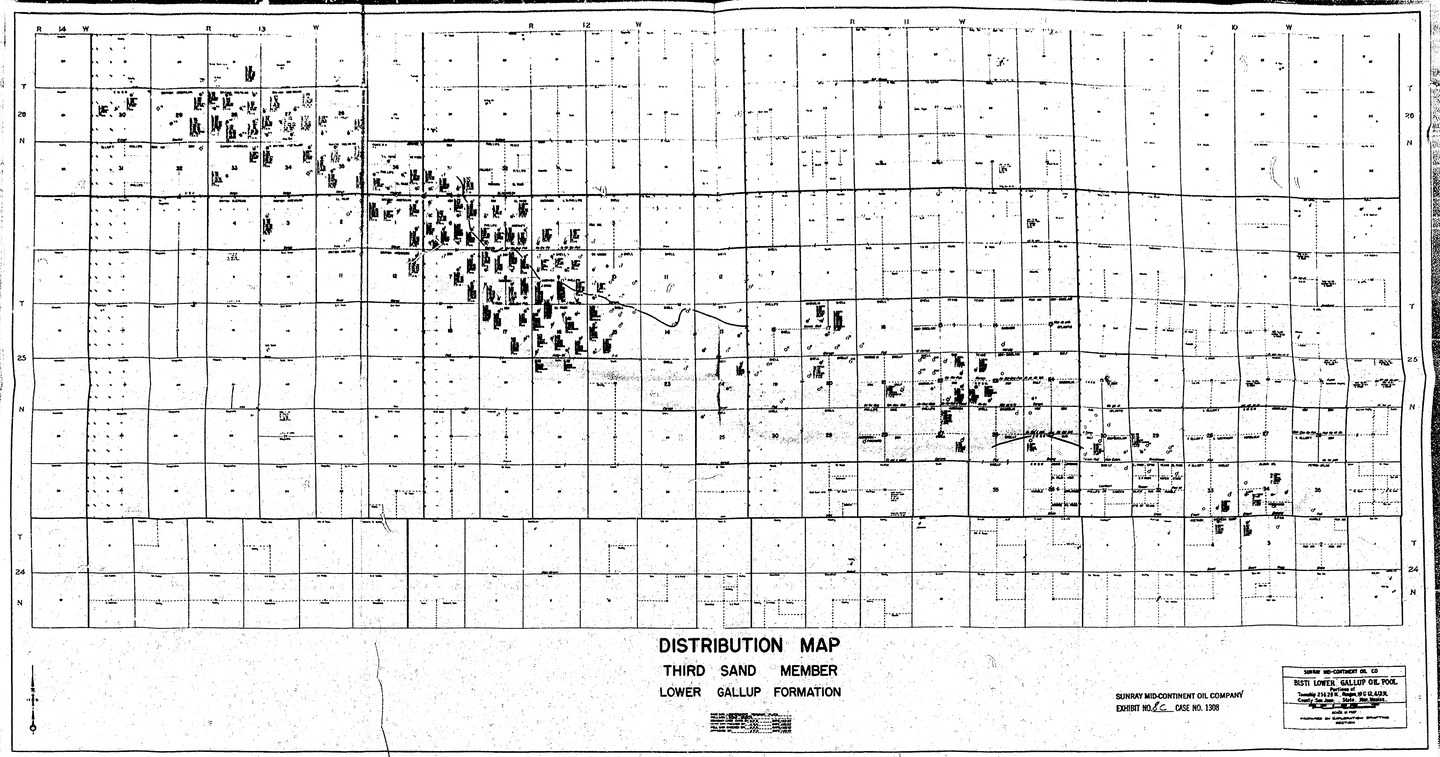
SUNRAY MID-CONTINENT OIL CO.
BISTI LOWER GALLUP OIL POOL
Portions of
Township 25 & 26 N., Ranges 11 & 12 W.N.M.P.M.
County San Juan, State New Mexico.
SCALE OF MAP
PREPARED BY DRAFTING DEPARTMENT



DISTRIBUTION MAP
SECOND SAND MEMBER
LOWER GALLUP FORMATION

SUNRAY MID-CONTINENT OIL COMPANY
EXHIBIT NO. 2-B CASE NO. 1308

SUNRAY MID-CONTINENT OIL CO.
BISTI LOWER GALLUP OIL POOL
Portions of
Township 25 & 26 N., Ranges 11 & 12 W.N.M.P.M.
County San Juan, State New Mexico.
SCALE OF MAP
PREPARED BY DRAFTING DEPARTMENT



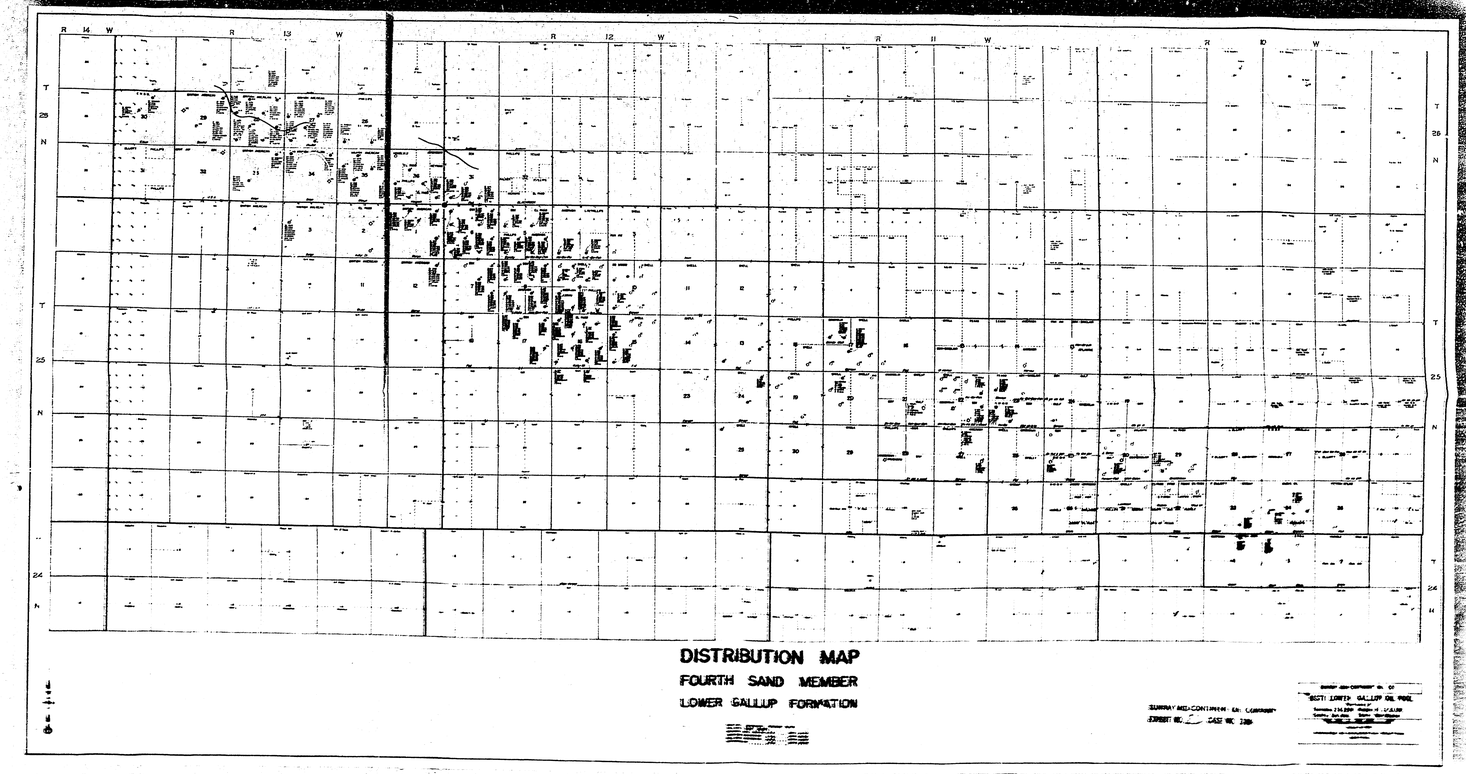
DISTRIBUTION MAP

THIRD SAND MEMBER

LOWER GALLUP FORMATION

SUNRAY MID-CONTINENT OIL COMPANY
EXHIBIT NO. 2c CASE NO. 1308

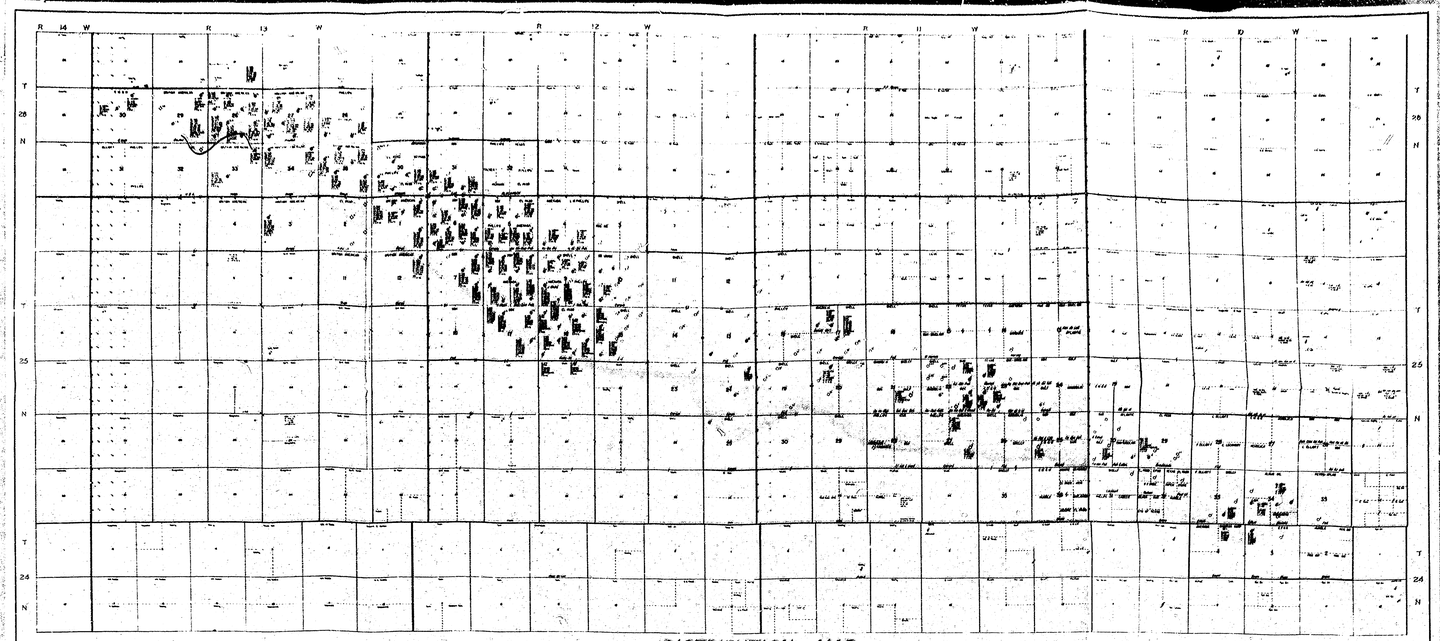
SUNRAY MID-CONTINENT OIL CO
BISTI LOWER GALLUP OIL POOL
Portions of
Township 24-26 N. Ranges 10-13 W.N.M.P.M.
County San Juan State New Mexico



DISTRIBUTION MAP

FOURTH SAND MEMBER

LOWER GALLUP FORMATION



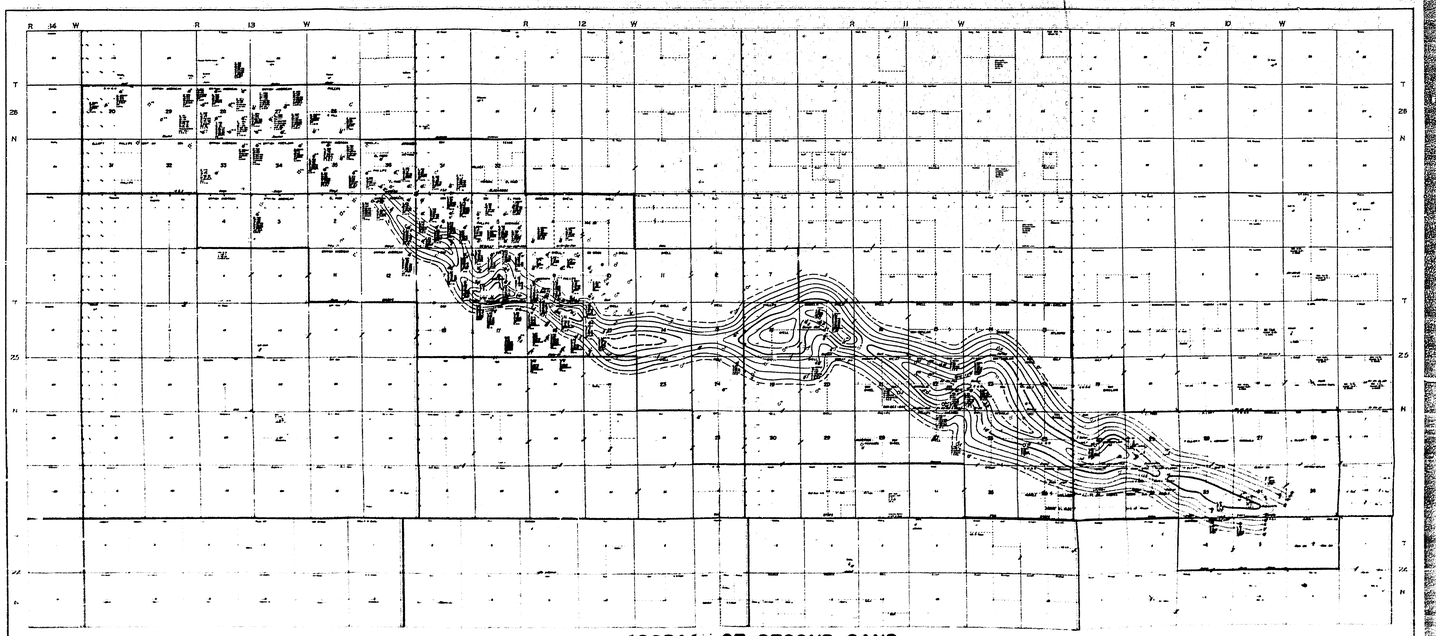
DISTRIBUTION MAP

FIFTH SAND MEMBER

LOWER GALLUP FORMATION

SUNRAY MID-CONTINENT OIL COMPANY
EXHIBIT NO. E DATE MAY 1958

SUNRAY MID-CONTINENT OIL CO
BISTI LOWER GALLUP OIL POOL
Township 25 North Range 11 West N.M.P.M.
County San Juan State New Mexico
Date of Plat May 1958
Prepared by Engineering Department Division



ISOPACH OF SECOND SAND

LOWER GALLUP FORMATION

BASED ON MICROLOG SEPARATION

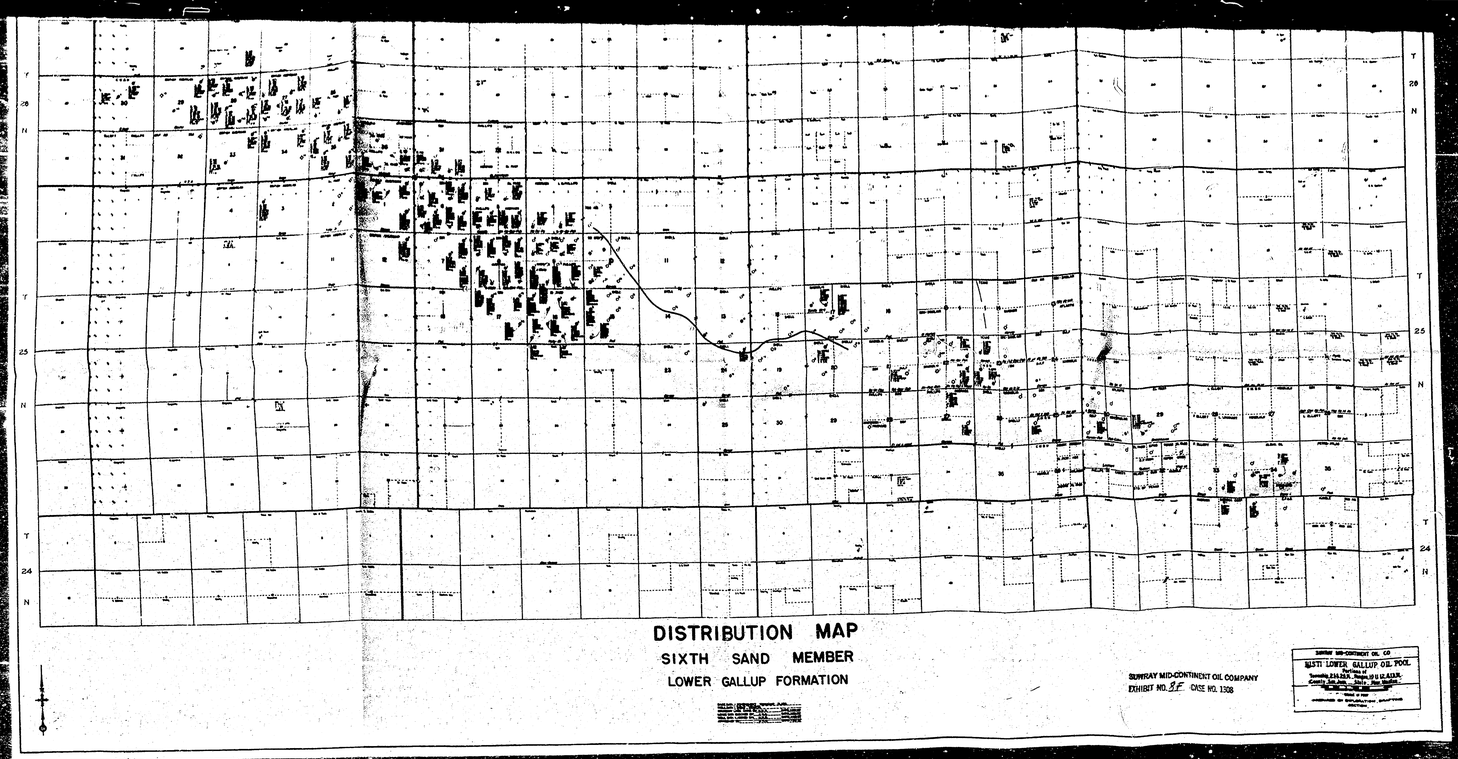
CONTOUR INTERVAL 2'

SUNRAY MID-CONTINENT OIL COMPANY

EXHIBIT NO. ____ DATE MAY, 1958

SUNRAY MID-CONTINENT OIL CO
BISTI LOWER GALLUP OIL POOL
Township 25 North Range 11 West N.M.P.M.

C-2-454



DISTRIBUTION MAP

SIXTH SAND MEMBER

LOWER GALLUP FORMATION

SUNRAY MID-CONTINENT OIL COMPANY

EXHIBIT NO. 1-F CASE NO. 1308

SUNRAY MID-CONTINENT OIL CO

BISTI LOWER GALLUP OIL POOL

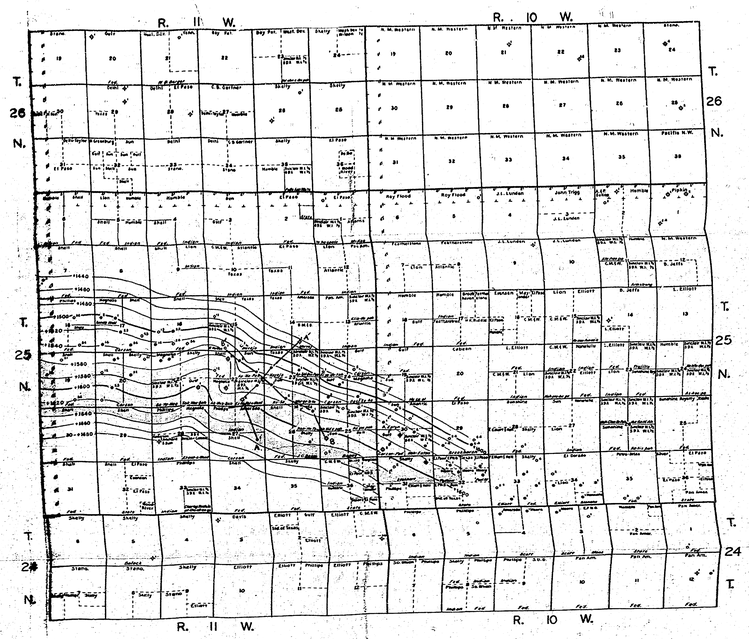
Outline of

Township 25 N., Range 10 & 11 W.N.M.P.M.

County San Juan, State New Mexico

Scale of Map

Authorization for Supplemental Application



SINCLAIR OIL & GAS COMPANY

PRODUCTION DEPT DENVER, COLORADO

ENGINEERING SECTION

BISTI LOWER GALLUP OIL POOL

SAN JUAN COUNTY, NEW MEXICO

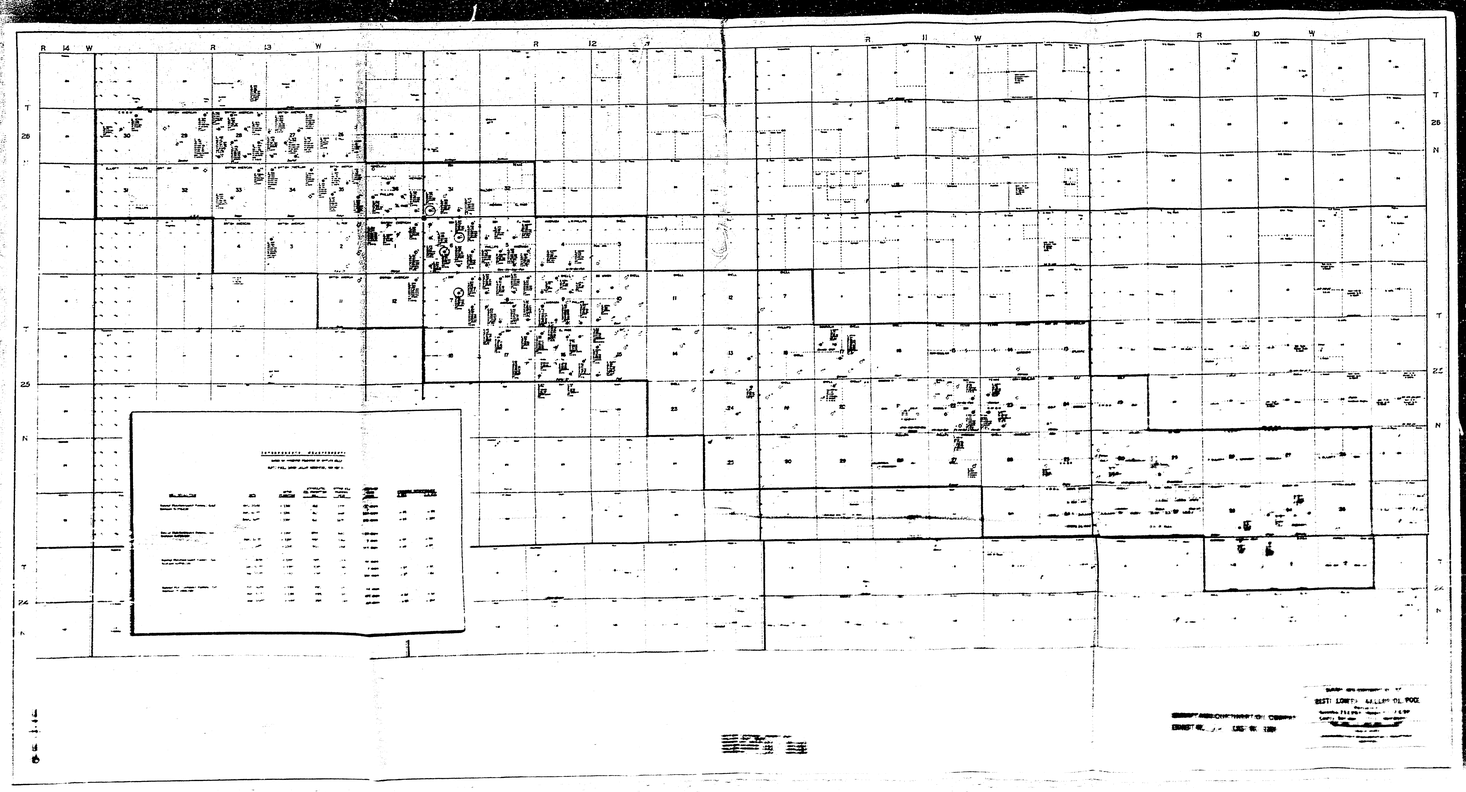
STRUCTURAL MAP

DATUM: TOP OF LOWER GALLUP FORMATION

CONTOUR INTERVAL 20'

DATE: DEC. 4, 1957	SCALE: 1" = 4000'
APPROVED	DRAWN BY R.A.E. — FILE NO. B-2

Ex 1



Sinclair Oil & Gas Company

Ex. 1-B.

Reheasing held 12/18/57

Case No. 1308

Bisti Field San Juan Co. N.M.

NMOCC OFFICE DEC
1957 DEC 18 AM 8 11

B

ANDERSON-PRICHARD #1 H. BEBAY
Sec. 28-T26N-R4W

MAGNOLIA #1 KLM-NM-TO
Sec. 22-T26N-R4W

SUN OIL #1 HEIRS OF KO-SA
Sec. 28-T26N-R4W

SUN OIL #1 HEIRS OF KO-SA
Sec. 27-T26N-R4W

SUN OIL #1 HEIRS OF KA-HA-PAH
Sec. 22-T26N-R4W

SUN OIL #2 HEIRS OF KA-KA-PAH
Sec. 28-T26N-R4W

SDX #1 H. PLATERO
Sec. 16-T26N-R4W

2650' 2650' 1900' 1800' 1870' 1800'

+1800
+1700
+1600
+1500
+1400
+1300

IPF. 3,432 MCF&D thru 24/64" choke, Perf. 5050-5060.

I.P.F. 45 BOPD, 0,850 G.O.R., Perf. 5034-5050.

I.P.F. 115 80/12 hrs. thru 2 4/64" choke, Perf. 4952-4969.

I.P.F. 300 BOPD, 1065 G.O.R., Perf. 4946-4986.

I.P.F. 250 BOPD after sand-oil fract. Perf. 4910-4925 & 4935-4946.

I.P.F. 130 BOPD after sand-oil fract. Perf. 4886-4906 & 4908-4925

I.P.F. 565 MCFGPD dry gas thru 5/8" choke, Perf. 4892-4903

HORIZONTAL SCALE: FEET
100 0 1000 2000

T. 25 N.
R. 11 W.

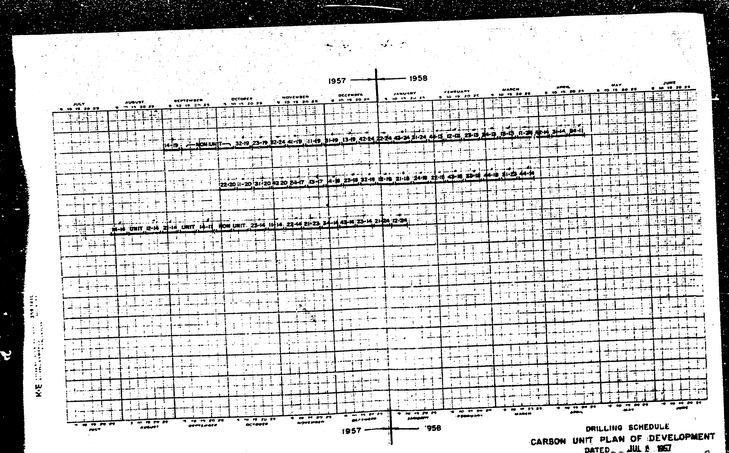
B'

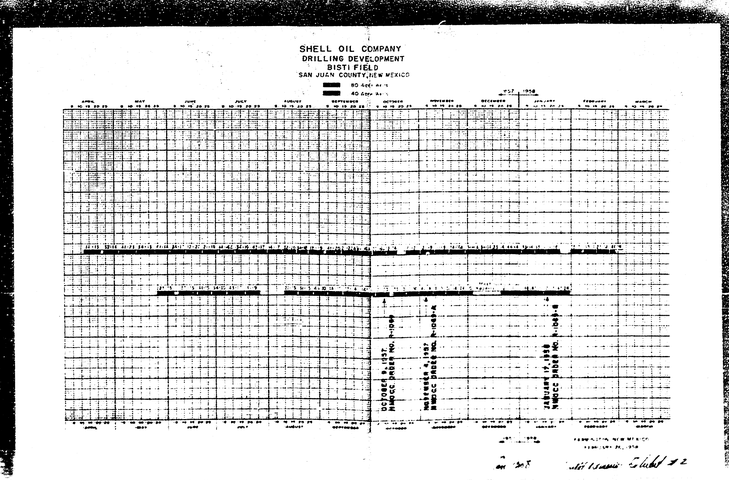
SINCLAIR OIL & GAS COMPANY
PRODUCTION DEPT DENVER, COLORADO
ENGINEERING SECTION

BISTI LOWER GALLUP OIL POOL
SAN JUAN COUNTY, NEW MEXICO

SE-NW ELECTRIC LOG CROSS SECTION
CROSS SECTION B-B'

DATE: DEC. 4, 1957		SCALE: AS SHOWN
APPROVED	DRAWN BY R.A.E.	FILE NO.





A

A'

4100' — 1980' — 2000' — 3400'

Sec. 23 - T25N - R11W

Sec. 14 - T25N - R11W

+1800
+1700
+1600
+1500
+1400
+1300

IP Pumped 33 BOPD After sand-oil fract.

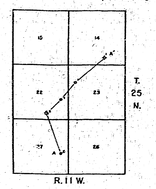
Test on upper perf. 1650 MCF-PD, ¾" choke.
Test on lower perf. 1,348 MCF-PD, ½" choke.
IPF 4,500 MCF/3 hrs.

GOR 1,020
IPF 618 BOPD

GOR 963 Acidized
IPF 123 BOPD

D & A

HORIZONTAL SCALE: FEET
100 0 1000 2000



SINCLAIR OIL & GAS COMPANY
PRODUCTION DEPT. DENVER, COLORADO
ENGINEERING SECTION

BISTI LOWER GALLUP OIL POOL

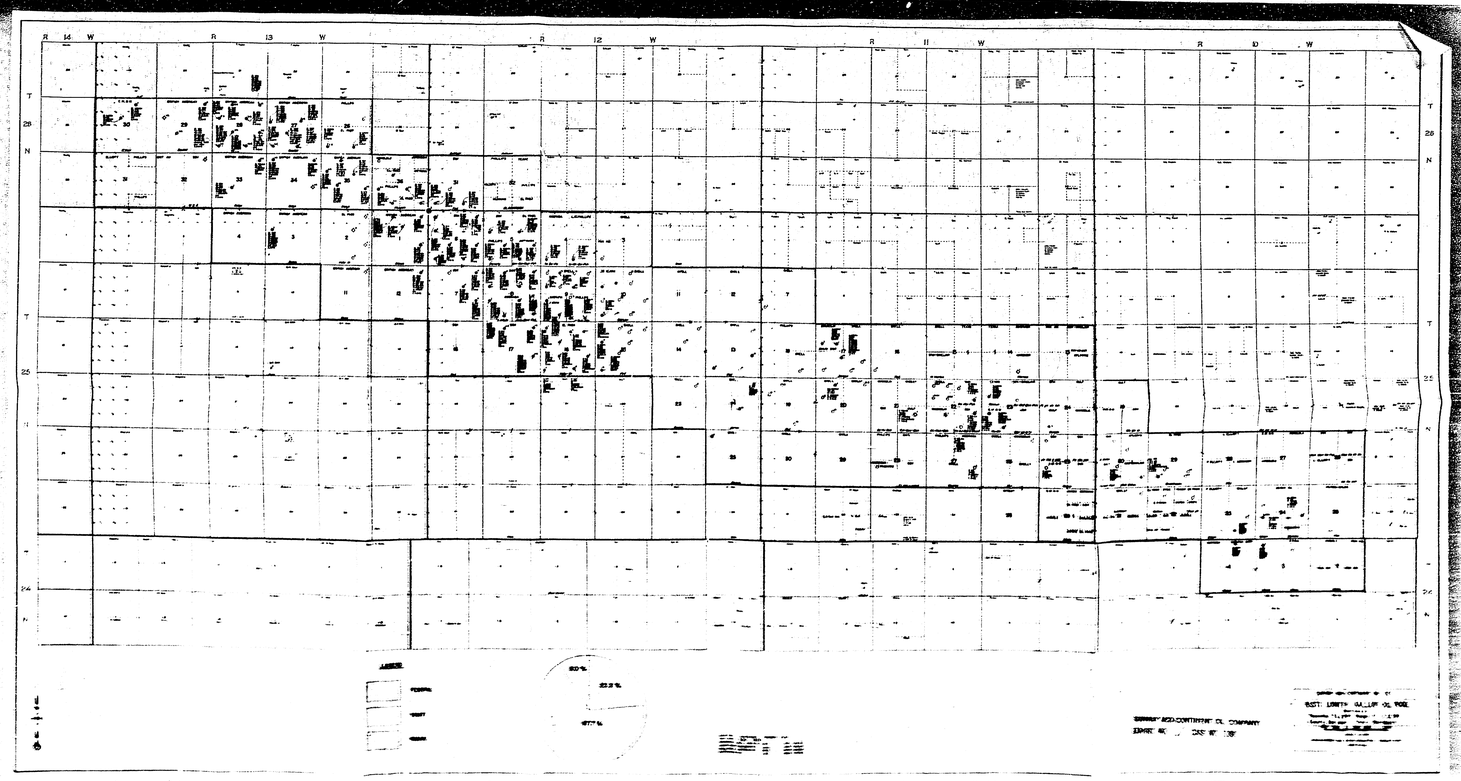
SAN JUAN COUNTY, NEW MEXICO

SW-NE ELECTRIC LOG CROSS SECTION

CROSS SECTION A-A'

DATE: DEC. 4, 1957	SCALE: AS SHOWN	
APPROVED	DRAWN BY R.A.E.	FILE NO.

EX. 2



R11W

R10W

T 25 N

T 24 N

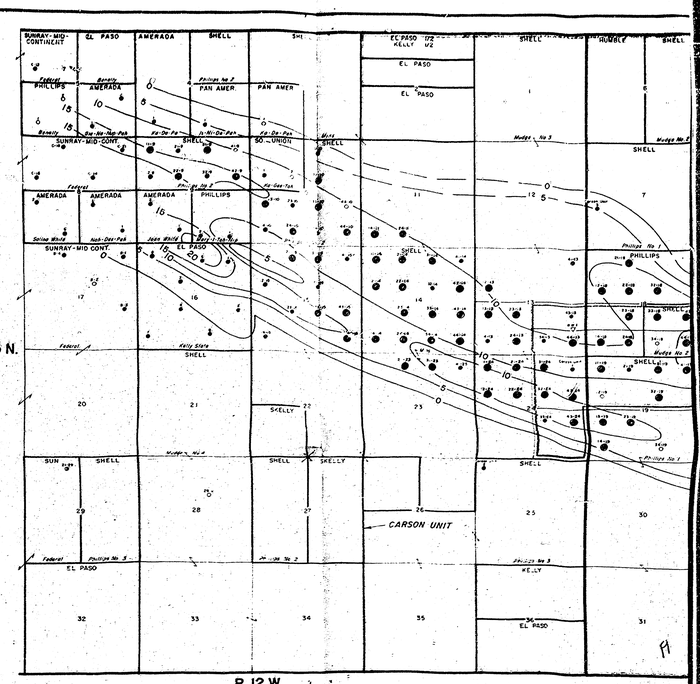
GULF OIL CORPORATION
ROCKY MOUNTAIN PRODUCTION ZONE
DENVER, COLORADO

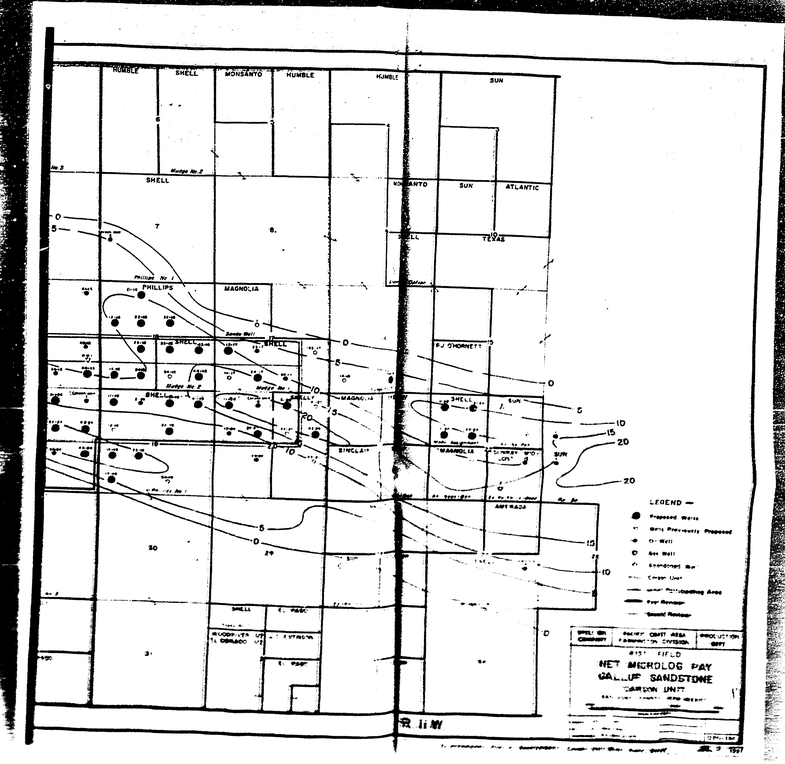
CARSON AREA

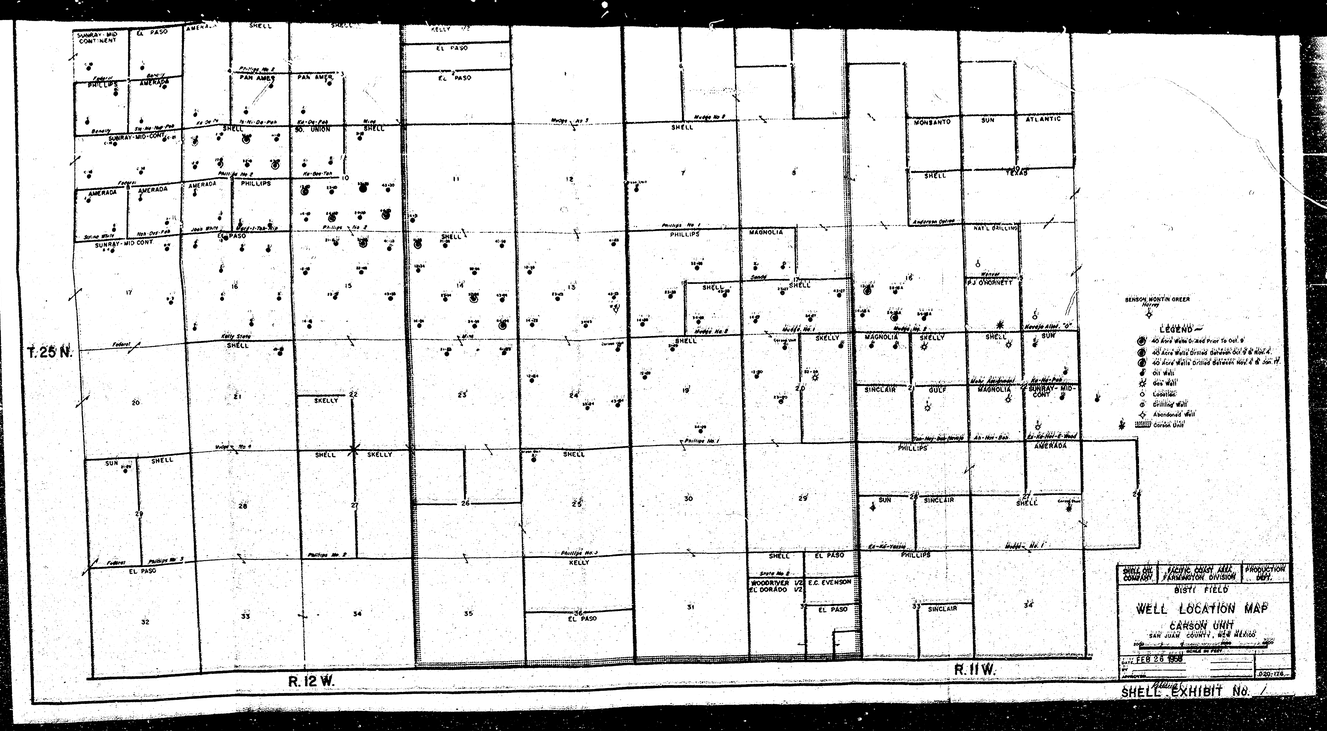
T 24 & 25 N - R 10 & 11 W
SAN JUAN CO., NEW MEXICO

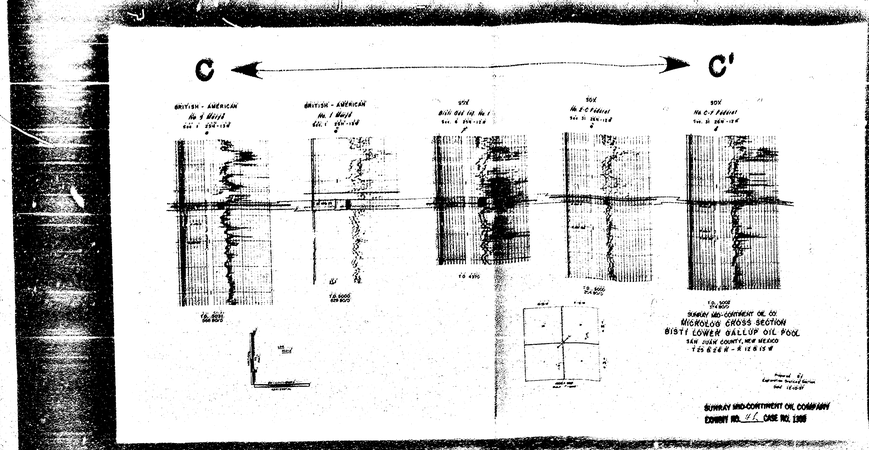
- OIL WELL
- GAS WELL
- WELL LOCATION
- PERMIT LOCATION UNDER APPLICATION

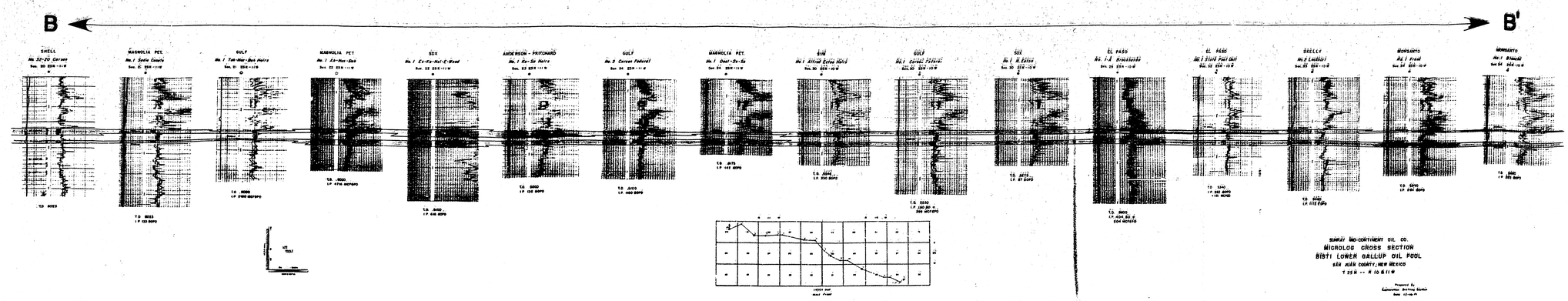
N

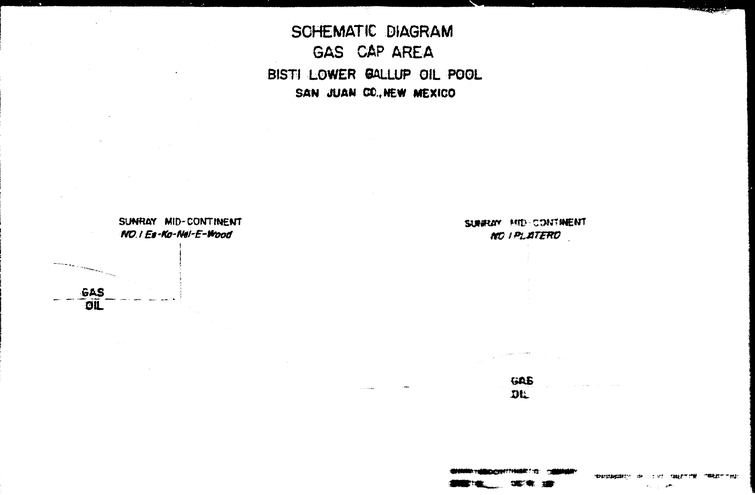


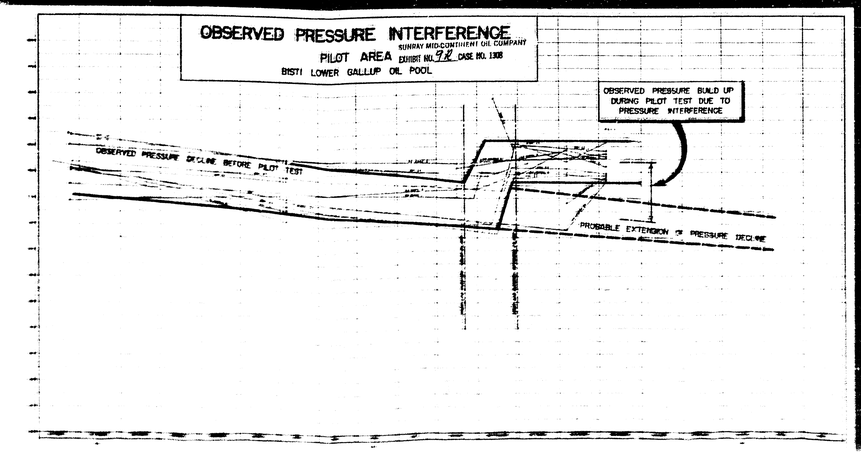


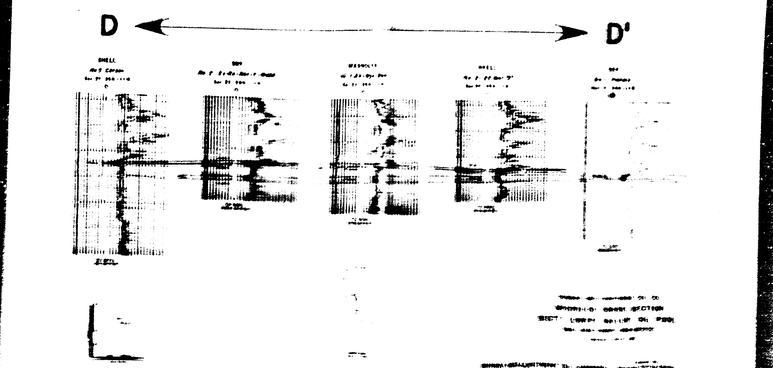

T. 25 N.
R. 12 W.
R. 11 W.
SUNRAY MID CONTINENT
EL PASO
AMERADA
PHILLIPS
SHELL
PAN AMER.
SO. UNION
MONSANTO
SUN
ATLANTIC
TEXAS
NAT'L DRILLING
R.J. ONORATTY
MAGNOLIA
SKELLY
SUN
SINCLAIR
GULF
SUNRAY - MID CONT.
AMERADA
PHILLIPS
WOODRIVER
EL DORADO
E.E. EVENSON
BENSON, MONTIN GREER
LEGEND —
40 Acre Units Dedicated Prior To Oct. 9
40 Acre Units Drilled Between Oct. 9 & Nov. 4
40 Acre Units Drilled Between Nov. 4 & Jan. 11
Oil Well
Gas Well
Location
Drilling Well
Abandoned Well
Carbon Unit
SHELL OIL COMPANY | PACIFIC COAST AREA FARMINGTON DIVISION | PRODUCTION DEPT.
BISTI FIELD
WELL LOCATION MAP
CANYON UNIT
SAN JUAN COUNTY, NEW MEXICO
SCALE: 1" = 2000'
DATE: FEB 26 1958
D-201-176
SHELL EXHIBIT No. 1

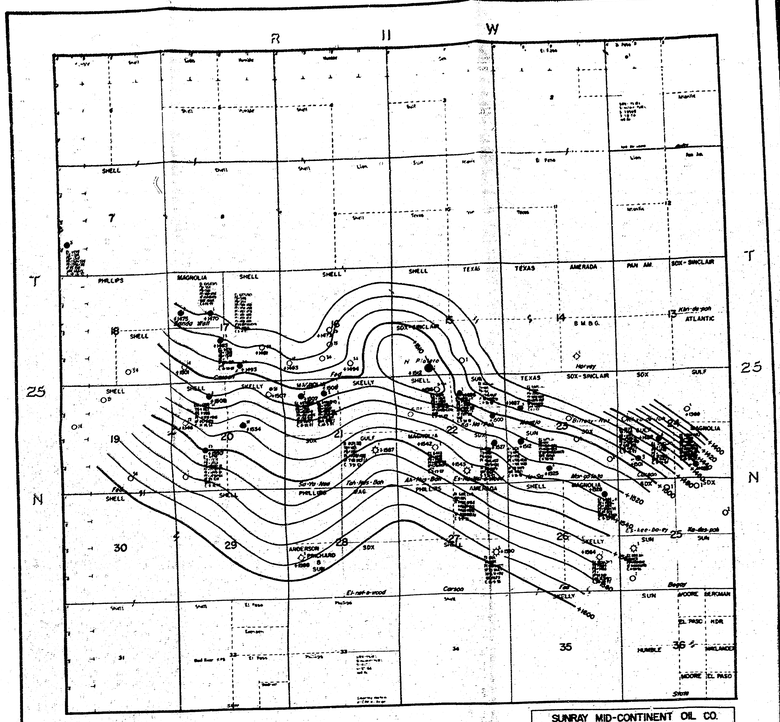

C
C'
BRITISH - AMERICAN
No. 1 Hoyd
SOX
No. 1 Ed-Ko-Nal-E-Wood
No. 1 C-F Federal
T.D. 5005
SUNRAY MID-CONTINENT OIL CO.
MICROLOG CROSS SECTION
BISTI LOWER GALLUP OIL POOL
SAN JUAN COUNTY, NEW MEXICO
T 25 N. - R 10 & 11 W
SUNRAY MID-CONTINENT OIL COMPANY
EXHIBIT NO. 17 CASE NO. 1308

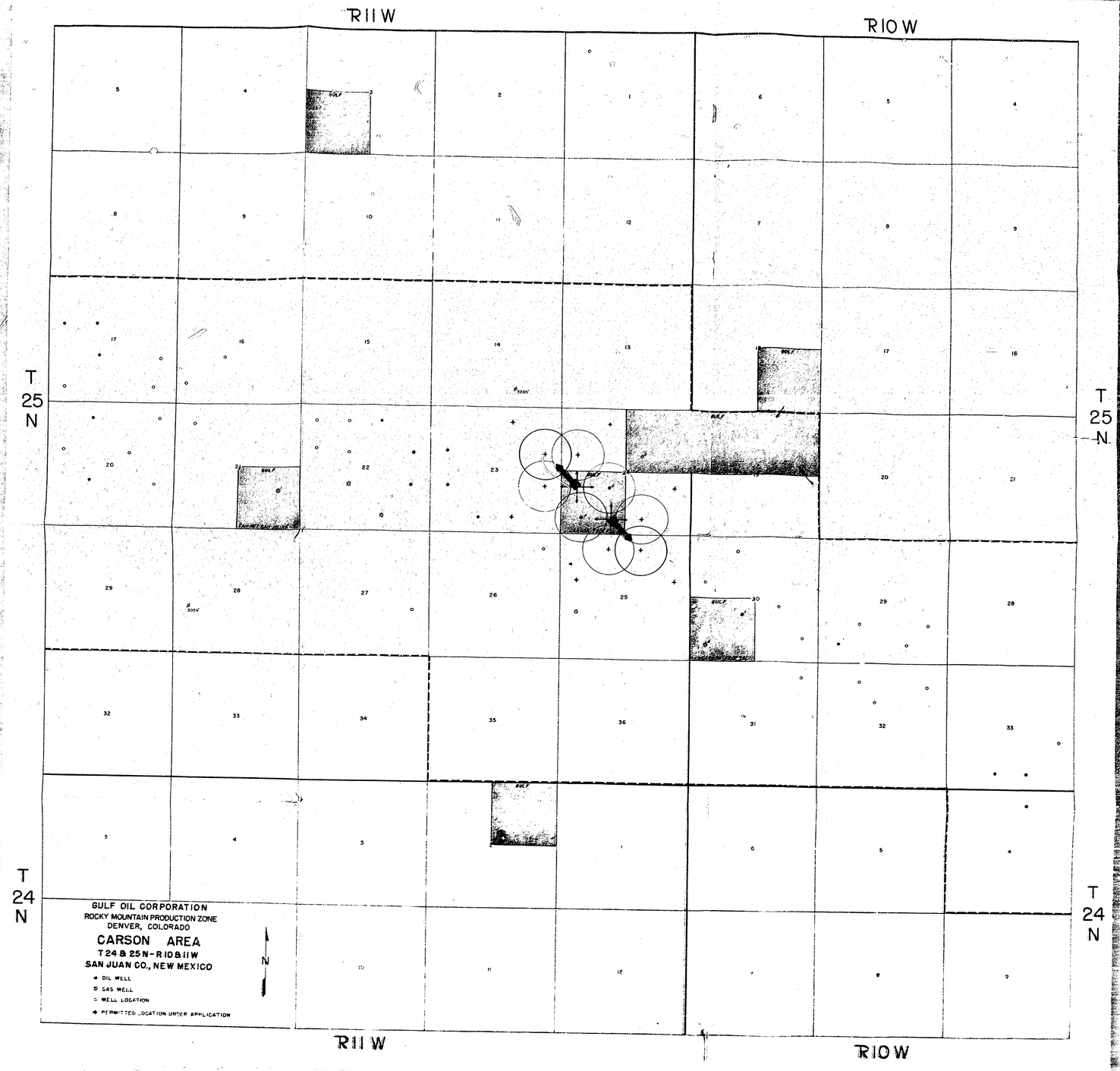

B
B'
SHELL
No. 32-20 Carson
MAGNOLIA PET.
No. 1 Santa Clause
GULF
No. 1 Tah-Hoo-Bah Heirs
MAGNOLIA PET.
No. 1 Ah-Hoo-Gah
SOX
No. 1 Ed-Ko-Nal-E-Wood
ANDERSON - PRITCHARD
No. 1 Ga-Sa Heirs
GULF
No. 2 Carson Federal
MAGNOLIA PET.
No. 1 Dast-Za-Za
SUN
No. 1 Alfred Estes Heirs
GULF
No. 1 Carson Federal
SOX
No. 1 R. Estes
EL PASO
No. 1-A Brookhaven
EL PASO
No. 1 Stark Fed Com
SKELLY
No. 2 Lockhart
MONSANTO
No. 1 Frost
MONSANTO
No. 1 Blissett
SUNRAY MID-CONTINENT OIL CO.
MICROLOG CROSS SECTION
BISTI LOWER GALLUP OIL POOL
SAN JUAN COUNTY, NEW MEXICO
T 25 N. -- R 10 & 11 W
SUNRAY MID-CONTINENT OIL COMPANY
EXHIBIT NO. 16 CASE NO. 1308

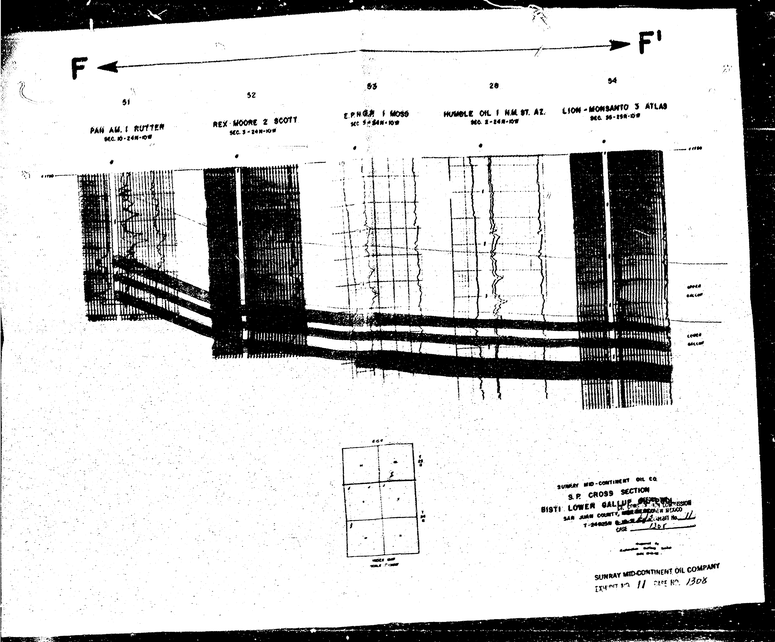

SCHEMATIC DIAGRAM
GAS CAP AREA
BISTI LOWER GALLUP OIL POOL
SAN JUAN CO., NEW MEXICO
SUNRAY MID-CONTINENT
NO. 1 Ea-Ko-Nal-E-Wood
SUNRAY MID-CONTINENT
NO. 1 PLATERO
GAS
OIL
GAS
OIL

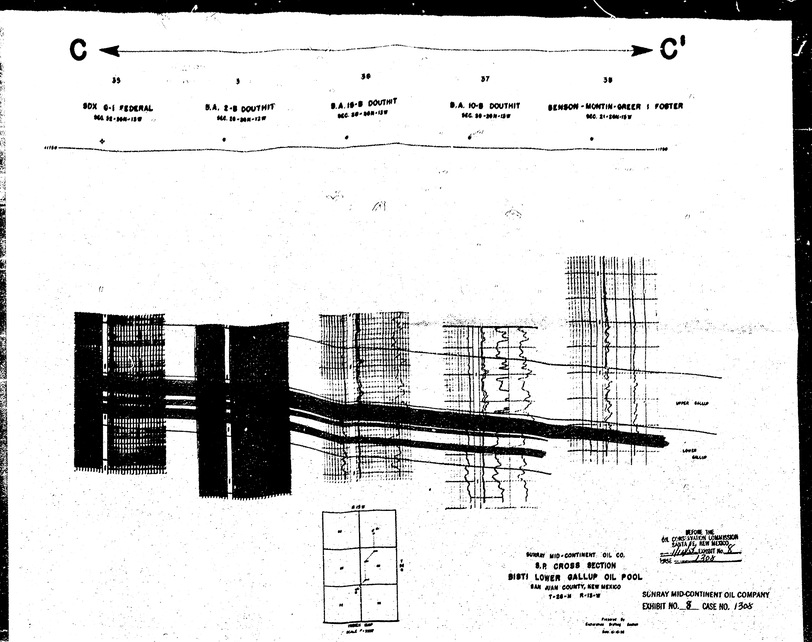

OBSERVED PRESSURE INTERFERENCE
SUNRAY MID-CONTINENT OIL COMPANY
PILOT AREA EXHIBIT NO. 9A CASE NO. 1308
BISTI LOWER GALLUP OIL POOL
OBSERVED PRESSURE BUILD UP DURING PILOT TEST DUE TO PRESSURE INTERFERENCE
OBSERVED PRESSURE DECLINE BEFORE PILOT TEST
PROBABLE EXTENSION OF PRESSURE DECLINE

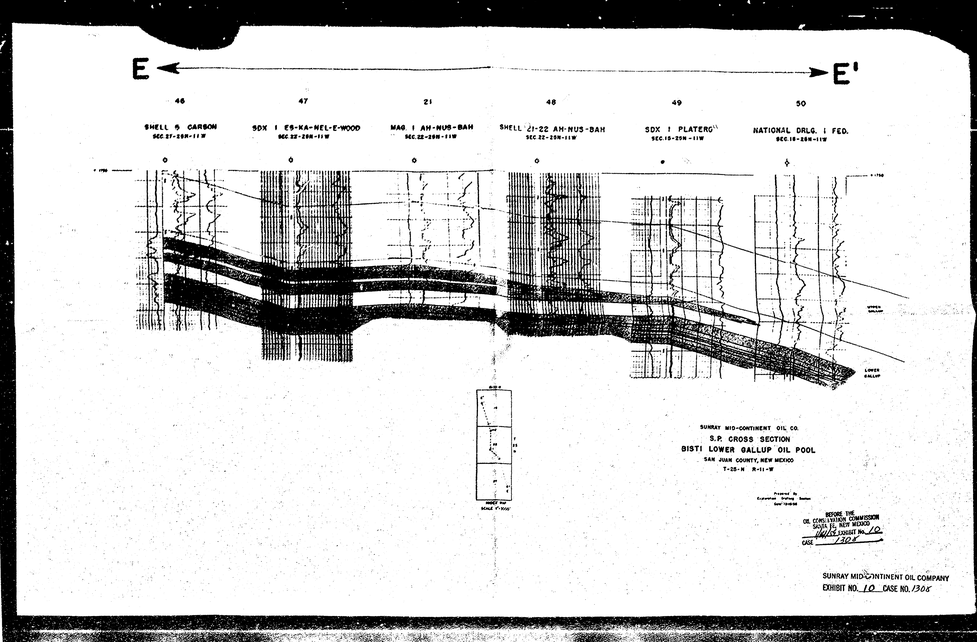

D
D'
SHELL
No. 2 Carson
SOX
No. 1 Ed-Ko-Nal-E-Wood
SHELL
No. 1 C-F Federal
SOX
No. 1 C-F Federal

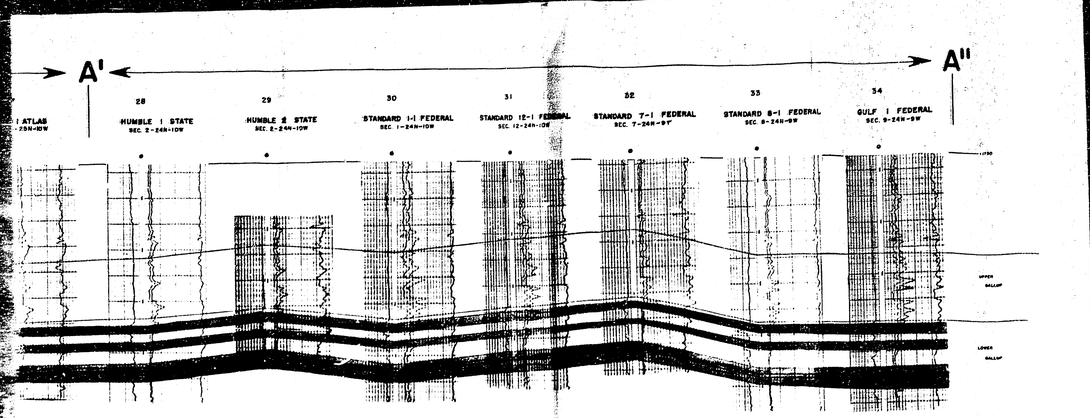

R 11 W
T 25 N
SHELL
PHILLIPS
MAGNOLIA
TEXAS
AMERADA
SOX-SINCLAIR
ATLANTIC
SKELLY
GULF
SUN
HUMBLE
ANDERSON-PRICHARD
EL PASO
MOORE
SERGMAN
SINCLAIR
Harvey
N. Flora
Carson
Tot
Ex-lax-a-wood
Re-lax-ation
Su-rip-lax
Tat-ter-lax
Ex-lax-a-tive
Re-lax-ation
Ex-lax-a-tion
Re-lax-ation
Re-lax-ation
Re-lax-ation

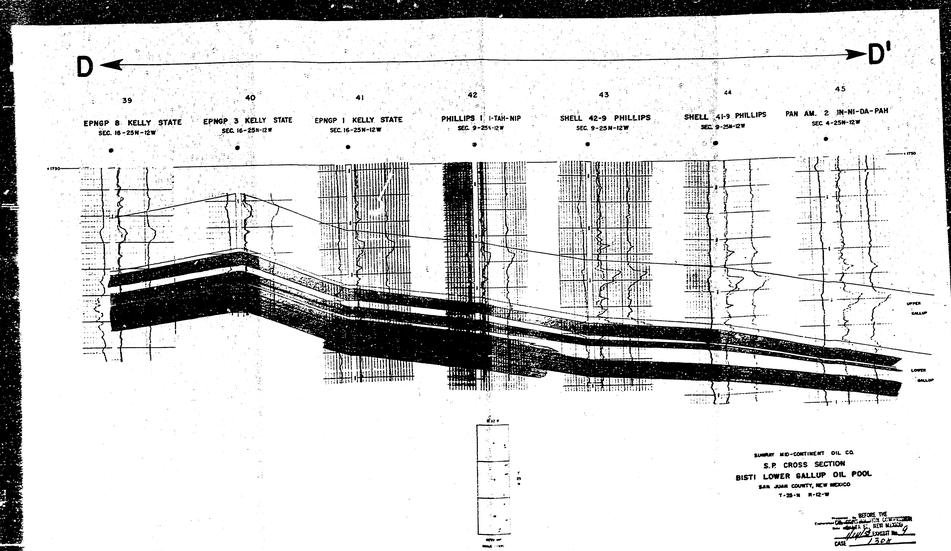

R11W
R10W
T 25 N
T 24 N
GULF OIL CORPORATION
ROCKY MOUNTAIN PRODUCTION ZONE
DENVER, COLORADO
CARSON AREA
T 24 & 25 N - R10 & 11 W
SAN JUAN CO., NEW MEXICO
OIL WELL
GAS WELL
WELL LOCATION
PERMITTED LOCATION UNDER APPLICATION
N
GULF

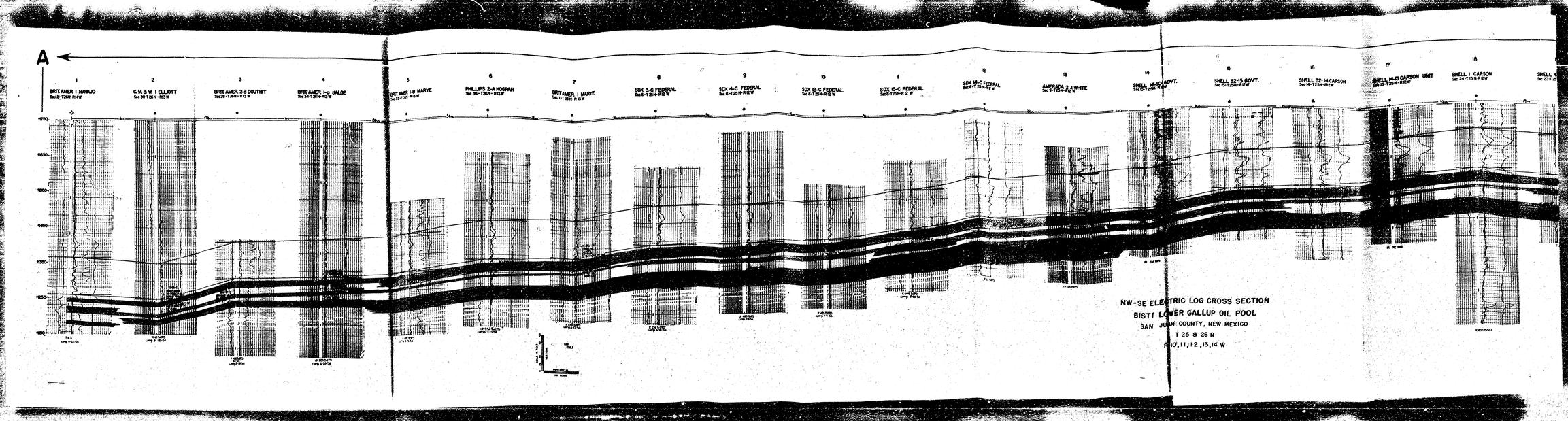

F
F'
51
52
55
28
54
PAN AM. 1 RUTTER
SEC. 10-24N-10W
REX MOORE 2 SCOTT
SEC. 3-24N-10W
EPNGP 1 MOSS
SEC. 9-24N-10W
HUMBLE OIL 1 NM. ST. AZ.
SEC. 2-24N-10W
LION-MONSANTO 3 ATLAS
SEC. 36-25N-10W
UPPER GALLUP
LOWER GALLUP
INDEX MAP
SCALE 1"=1000'
SUNRAY MID-CONTINENT OIL CO.
S.P. CROSS SECTION
BISTI LOWER GALLUP OIL POOL
SAN JUAN COUNTY, NEW MEXICO
T-24N-R-10W
Prepared by
Subsurface Drilling Section
Exhibit No. 11
Case 1308
SUNRAY MID-CONTINENT OIL COMPANY
EXHIBIT NO. 11 CASE NO. 1308

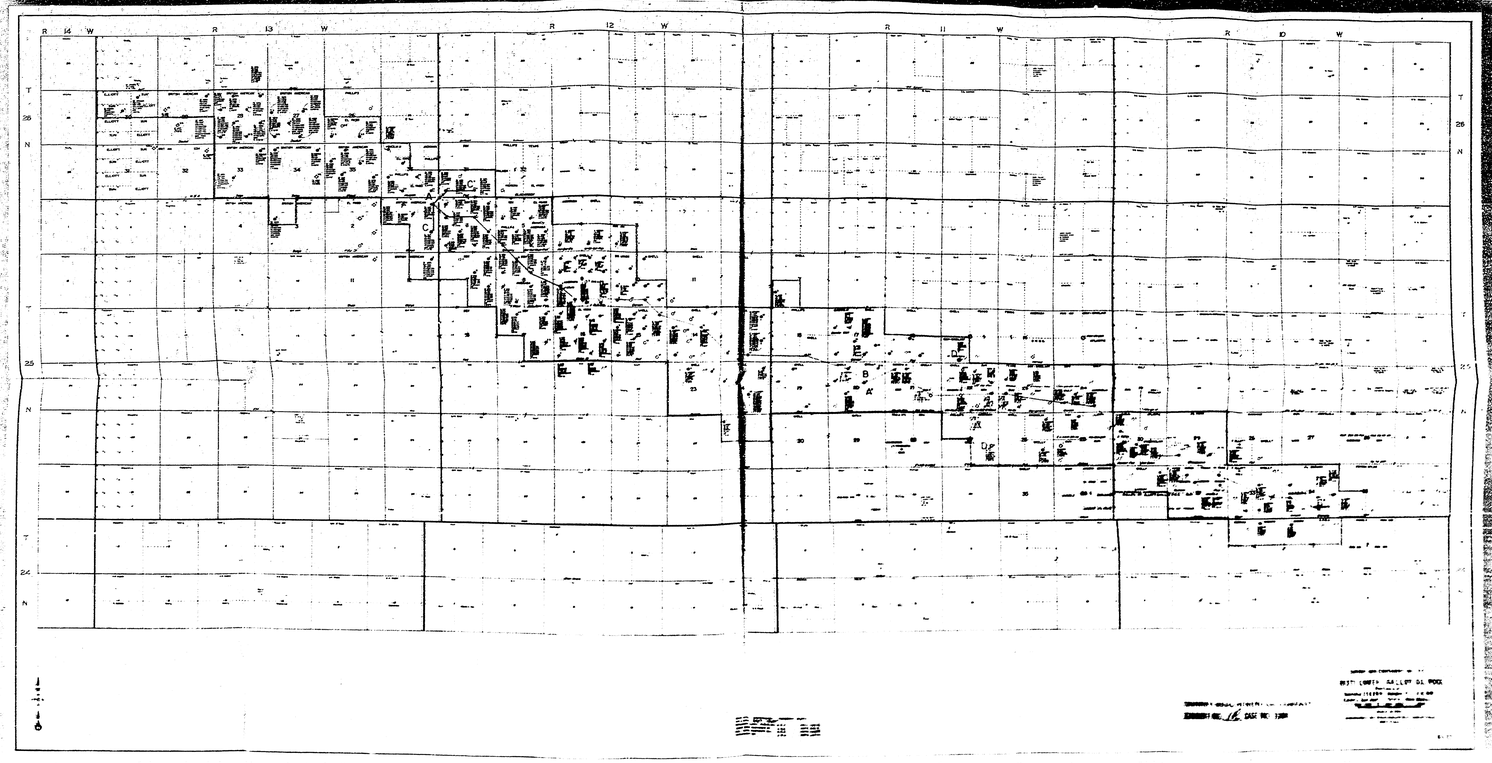

C
C'
35
3
36
37
38
SOX 6-1 FEDERAL
SEC. 35-26N-13W
B.A. 2-B DOUTHIT
SEC. 3-25N-13W
B.A. 10-B DOUTHIT
SEC. 36-26N-13W
B.A. 10-B DOUTHIT
SEC. 36-26N-13W
BENSON-MONTIN-GREER 1 FOSTER
SEC. 31-26N-13W
UPPER GALLUP
LOWER GALLUP
INDEX MAP
SCALE 1"=1000'
SUNRAY MID-CONTINENT OIL CO.
S.P. CROSS SECTION
BISTI LOWER GALLUP OIL POOL
SAN JUAN COUNTY, NEW MEXICO
T-25-N R-13-W
Prepared by
Subsurface Drilling Section
BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Exhibit No. 8
Case 1308
SUNRAY MID-CONTINENT OIL COMPANY
EXHIBIT NO. 8 CASE NO. 1308

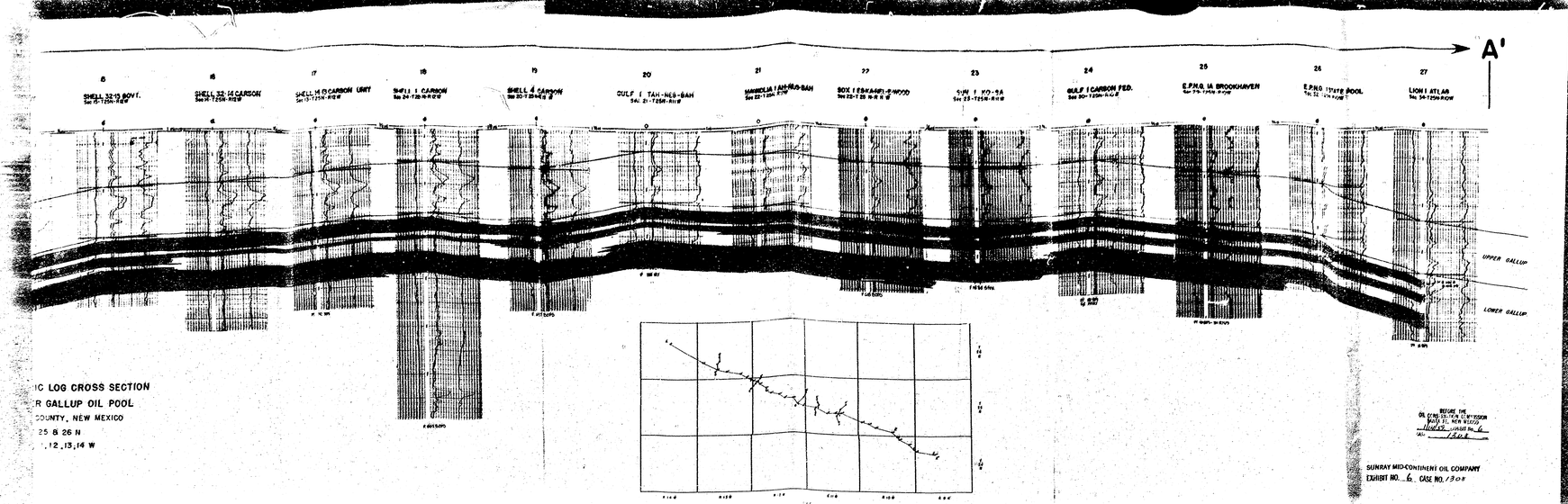

E
E'
46
47
21
48
49
50
SHELL 5 CARSON
SEC. 27-25N-11W
SOX 1 ES-KA-NEL-E-WOOD
SEC. 22-25N-11W
MAG 1 AH-NUS-BAH
SEC. 22-25N-11W
SHELL 21-22 AH-NUS-BAH
SEC. 22-25N-11W
SOX 1 PLATERO
SEC. 15-25N-11W
NATIONAL DRLG. 1 FED.
SEC. 15-25N-11W
UPPER GALLUP
LOWER GALLUP
INDEX MAP
SCALE 1"=1000'
SUNRAY MID-CONTINENT OIL CO.
S.P. CROSS SECTION
BISTI LOWER GALLUP OIL POOL
SAN JUAN COUNTY, NEW MEXICO
T-25-N R-11-W
Prepared by
Subsurface Drilling Section
BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Exhibit No. 10
Case 1308
SUNRAY MID-CONTINENT OIL COMPANY
EXHIBIT NO. 10 CASE NO. 1308

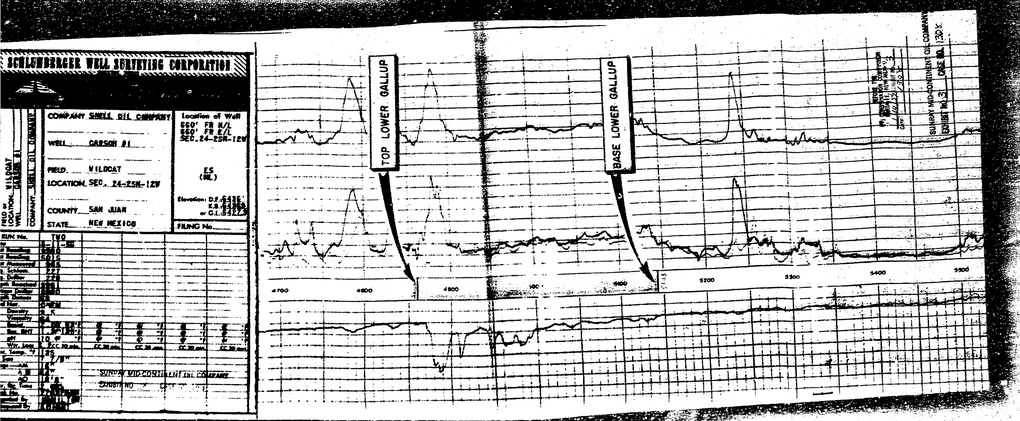

A'
A''
ATLAS
25N-10W
28
29
30
31
32
33
34
HUMBLE 1 STATE
SEC. 2-24N-10W
HUMBLE 2 STATE
SEC. 2-24N-10W
STANDARD 1-I FEDERAL
SEC. 1-24N-10W
STANDARD 12-I FEDERAL
SEC. 12-24N-10W
STANDARD 7-I FEDERAL
SEC. 7-24N-9W
STANDARD 8-I FEDERAL
SEC. 8-24N-9W
GULF 1 FEDERAL
SEC. 9-24N-9W
UPPER GALLUP
LOWER GALLUP
BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Exhibit No. 7
Case 1308
SUNRAY MID-CONTINENT OIL COMPANY
EXHIBIT NO. 7 CASE NO. 1308

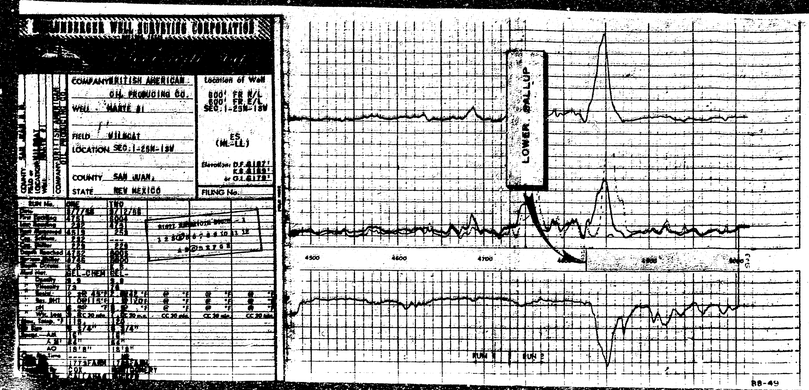

D
D'
39
40
41
42
43
44
45
EPNGP 8 KELLY STATE
SEC. 16-25N-12W
EPNGP 3 KELLY STATE
SEC. 16-25N-12W
EPNGP 1 KELLY STATE
SEC. 16-25N-12W
PHILLIPS 1 I-TAH-NIP
SEC. 9-25N-12W
SHELL 42-9 PHILLIPS
SEC. 9-25N-12W
SHELL 41-9 PHILLIPS
SEC. 9-25N-12W
PAN AM. 2 IN-NI-OA-PAH
SEC. 4-25N-12W
UPPER GALLUP
LOWER GALLUP
INDEX MAP
SCALE 1"=1000'
SUNRAY MID-CONTINENT OIL CO.
S.P. CROSS SECTION
BISTI LOWER GALLUP OIL POOL
SAN JUAN COUNTY, NEW MEXICO
T-25-N R-12-W
BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Exhibit No. 9
Case 1308
SUNRAY MID-CONTINENT OIL COMPANY
EXHIBIT NO. 9 CASE NO. 1308

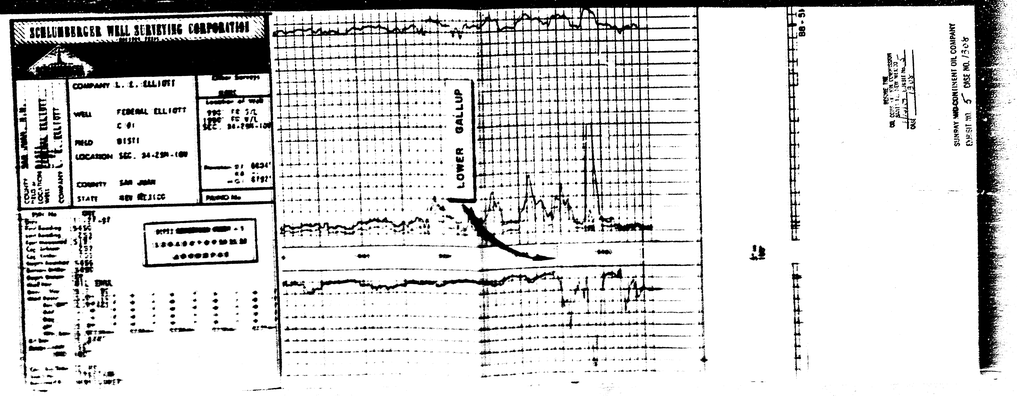

A
1
BRIT AMER 1 NAVAJO
Sec B T26N-R14W
2
C M & W 1 ELLIOTT
Sec 30-T 26 N - R13 W
3
BRIT AMER. 2-B DOUTHIT
Sec 29 - T 26N - R 13 W
4
BRIT AMER. 1-B GALOE
Sec 34-T 26N-R13W
5
BRIT AMER 1-B MARYE
6
PHILLIPS 2-A HOSPAH
Sec 36 - T 26N - R 12 W
7
BRIT AMER. 1 MARYE
8
SOX 3-C FEDERAL
Sec 6 - T 25N - R 12 W
9
SOX 4-C FEDERAL
Sec 6 - T 25N - R 12 W
10
SOX 6-C FEDERAL
Sec 6 - T 25N - R 12 W
11
SOX 8-C FEDERAL
Sec 6 - T 25N - R 12 W
12
SOX 16-C FEDERAL
13
AMERADA 2-A WHITE
Sec 2 T 25N - R 12 W
14
SHELL 16-10 GOVT.
15
SHELL 32-15 GOVT.
Sec 15 - T 25N - R 12W
16
SHELL 32-14 CARSON
Sec 14 - T 25N - R 12W
17
SHELL 16-23 CARSON UNIT
18
SHELL 1 CARSON
Sec 24-T 25 N-R 12 W
1750
1550
1650
1450
1350
1250
1150
NW-SE ELECTRIC LOG CROSS SECTION
BISTI LOWER GALLUP OIL POOL
SAN JUAN COUNTY, NEW MEXICO
T 25 & 26 N
R 10, 11, 12, 13, 14 W

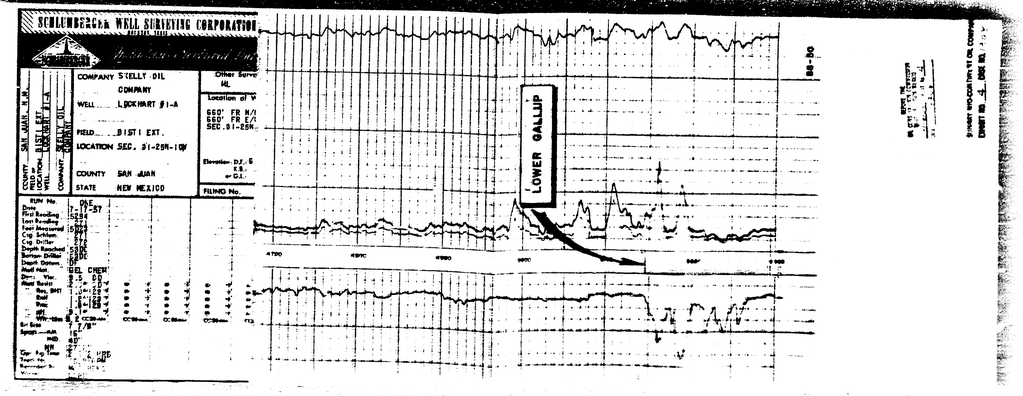

R 14 W
R 13 W
R 12 W
R 11 W
R 10 W
T 26 N
T 25 N
T 24 N
A
B
C
D
E
F
G
H
J
K
L
M
N
P
Q
R
S
T
U
V
W
X
Y
Z

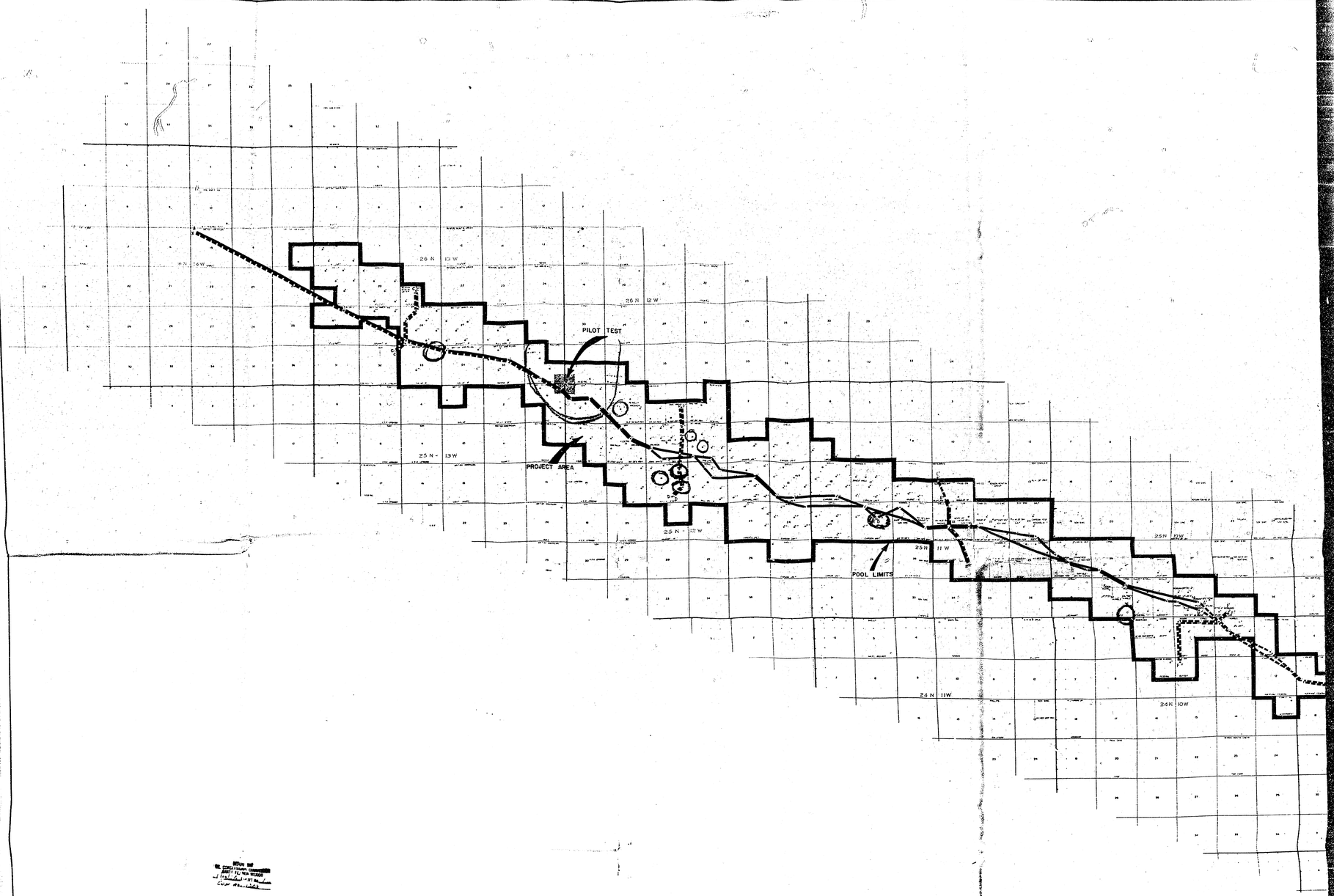

A'
SHELL 32-13 GOVT.
SHELL 32-14 CARSON
SHELL 14-15 CARSON UNIT
SHELL 1 CARSON
SHELL 4 CARSON
GULF 1 TAH-NES-BAH
MARBOLIA 1 AM-NES-BAH
SOX 1 ESKAGH-ZAHWOOD
SUN 1 KO-SA
GULF 1 CARSON FED.
E.P.N.G. 1A BROOKHAVEN
E.P.N.G. 1 STATE POOL
LION 1 ATLAS
UPPER GALLUP
LOWER GALLUP
IC LOG CROSS SECTION
R GALLUP OIL POOL
OUNTY, NEW MEXICO
25 & 26 N
.12,13,14 W
SUNRAY MID-CONTINENT OIL COMPANY
EXHIBIT NO. 6 CASE NO. 1308


SCHLUMBERGER WELL SURVEYING CORPORATION
COMPANY SHELL OIL COMPANY
WELL CARSON #1
FIELD WILDCAT
LOCATION SEC. 24-25N-12W
COUNTY SAN JUAN
STATE NEW MEXICO
TOP LOWER GALLUP
BASE LOWER GALLUP
SUNRAY MID-CONTINENT OIL COMPANY


SCHLUMBERGER WELL SURVEYING CORPORATION
COMPANY BRITISH AMERICAN OIL PRODUCING CO.
WELL HARVE #1
FIELD WILDCAT
LOCATION SEC. 1-25N-13W
COUNTY SAN JUAN
STATE NEW MEXICO
LOWER GALLUP
SUNRAY MID-CONTINENT OIL COMPANY


SCHLUMBERGER WELL SURVEYING CORPORATION
COMPANY L. E. ELLIOTT
WELL FEDERAL ELLIOTT C #1
FIELD BISTI
LOCATION SEC. 34-25N-10W
COUNTY SAN JUAN
STATE NEW MEXICO
LOWER GALLUP
SUNRAY MID-CONTINENT OIL COMPANY


SCHLUMBERGER WELL SURVEYING CORPORATION
COMPANY STELLY OIL COMPANY
WELL LOCKHART #1-A
FIELD BISTI EXT.
LOCATION SEC. 31-25N-10W
COUNTY SAN JUAN
STATE NEW MEXICO
LOWER GALLUP



SUNRAY MID-CONTINENT OIL CO

BISTI LOWER GALLUP OIL POOL

Portions of

County San Juan State New Mexico

SCALE IN FEET

PREPARED BY EXPLORATION DRAFTING SECTION

SUNRAY MID-CONTINENT OIL COMPANY

DATE: DEC. 1 DEC. 19..

N

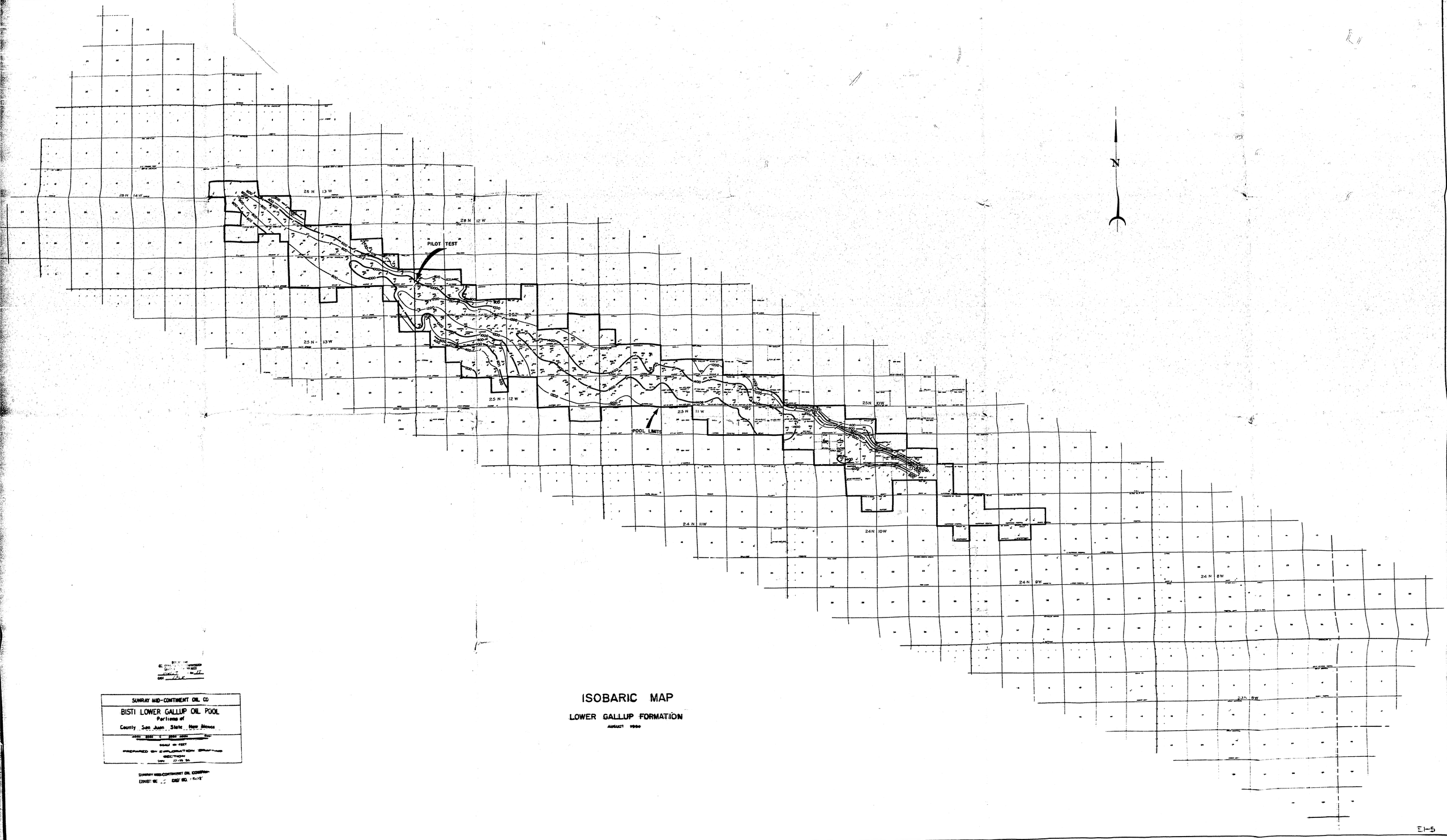
25N 10W

24N 10W

24N 9W

24N 7W

E-5



SUNRAY MID-CONTINENT OIL CO

BISTI LOWER GALLUP OIL POOL
Portions of
County San Juan State New Mexico

SCALE IN FEET

PREPARED BY CONSERVATION DIVISION
DISTRICT III
DATE 12-19-84

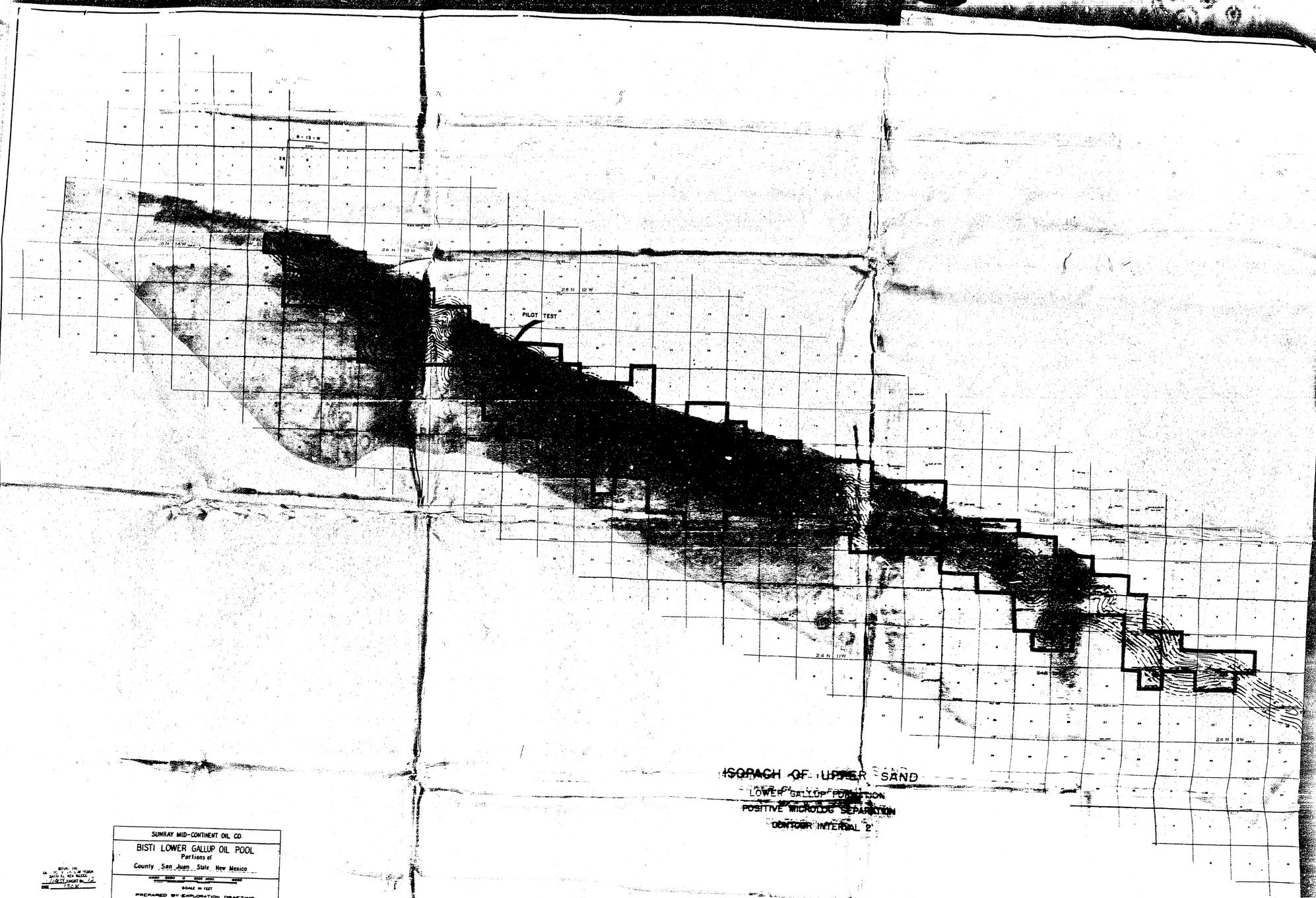
SUNRAY MID-CONTINENT OIL COMPANY
DIST. DIV. DIST NO.

ISOBARIC MAP

LOWER GALLUP FORMATION

AUGUST 1980

E-5



ISOPACH OF UPPER SAND
LOWER GALLUP FORMATION
POSITIVE MICROLOG SEPARATION
CONTOUR INTERVAL 2'

SUNRAY MID-CONTINENT OIL CO.

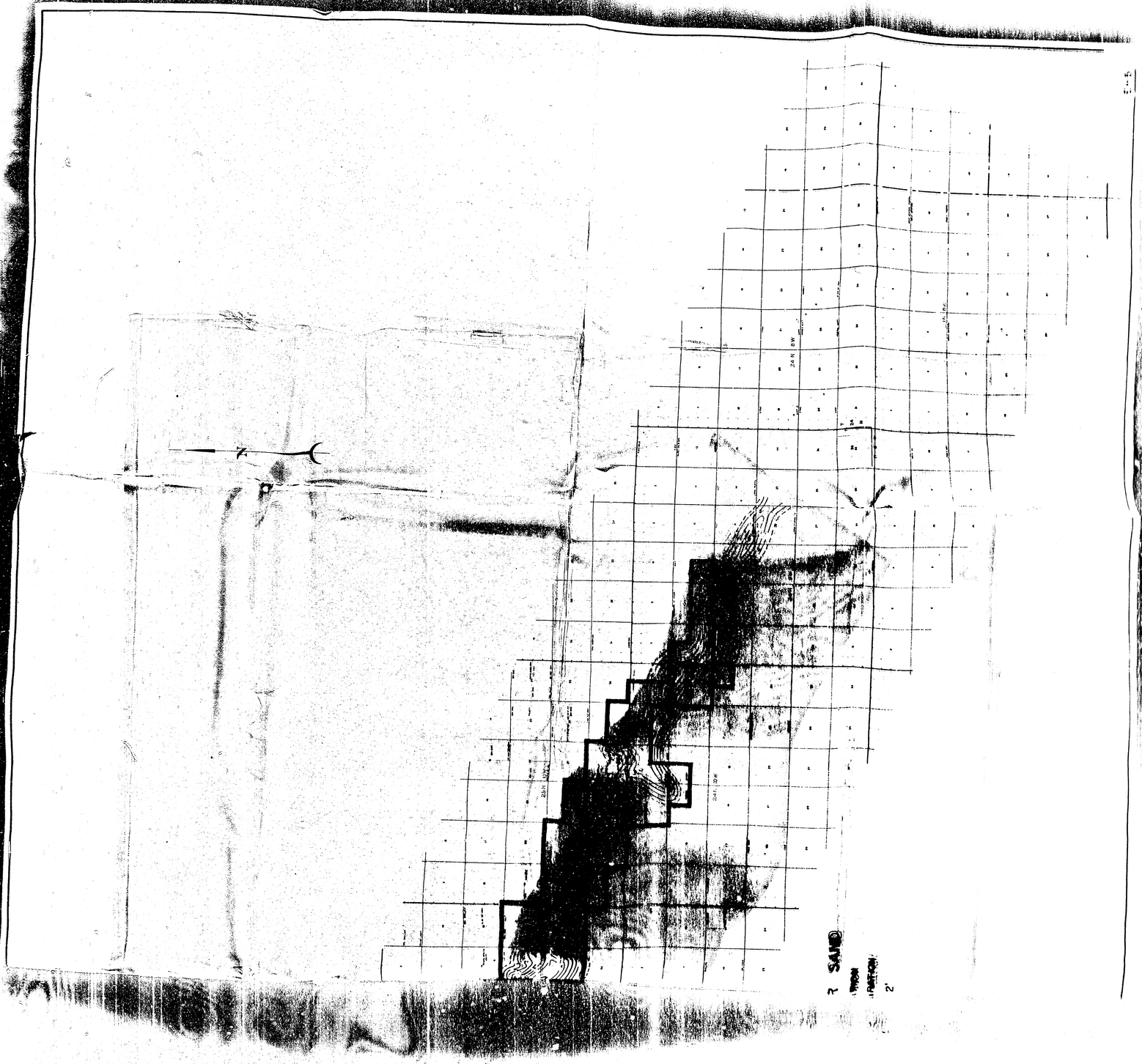
BISTI LOWER GALLUP OIL POOL
Portions of
County San Juan State New Mexico

4000 2000 0 2000 4000 6000
SCALE IN FEET

PREPARED BY EXPLORATION DRAFTING SECTION

RETURN TO
OIL CONSERVATION DIVISION
SANTA FE, NEW MEXICO
11/8/65 EXHIBIT NO. 12
CASE 1754

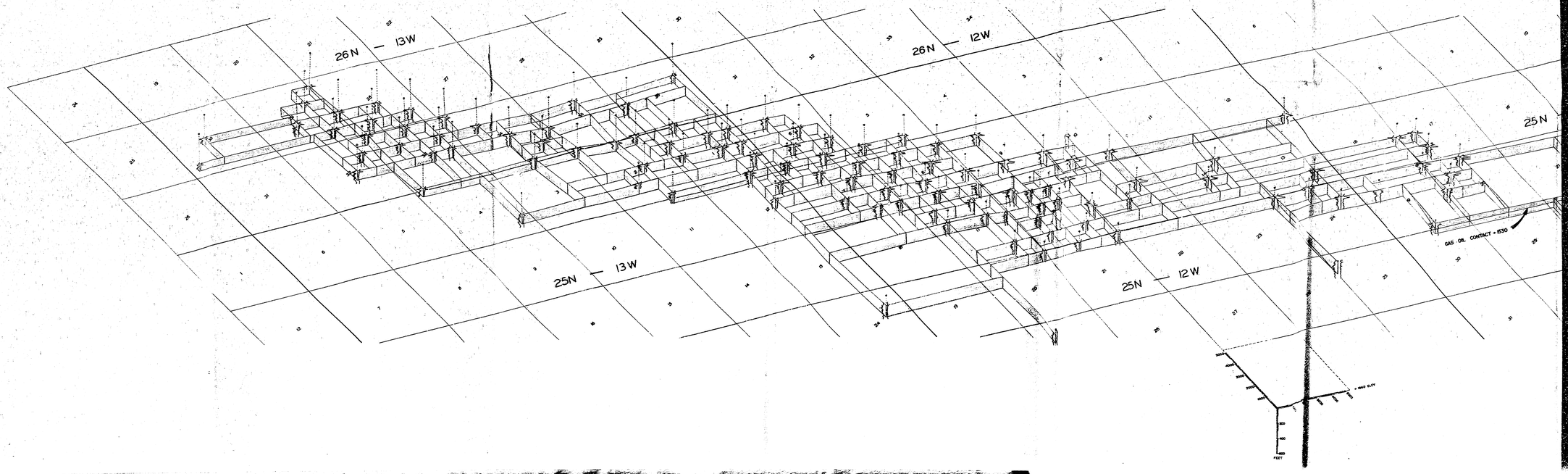
SUNRAY MID-CONTINENT OIL COMPANY
EXHIBIT NO. 12 CASE NO. 1754


24 N | 8 W
R SAND
THICK
PATTERN
2'

THREE DIMENSIONAL DRAWING

BISTI LOWER GALLUP OIL POOL

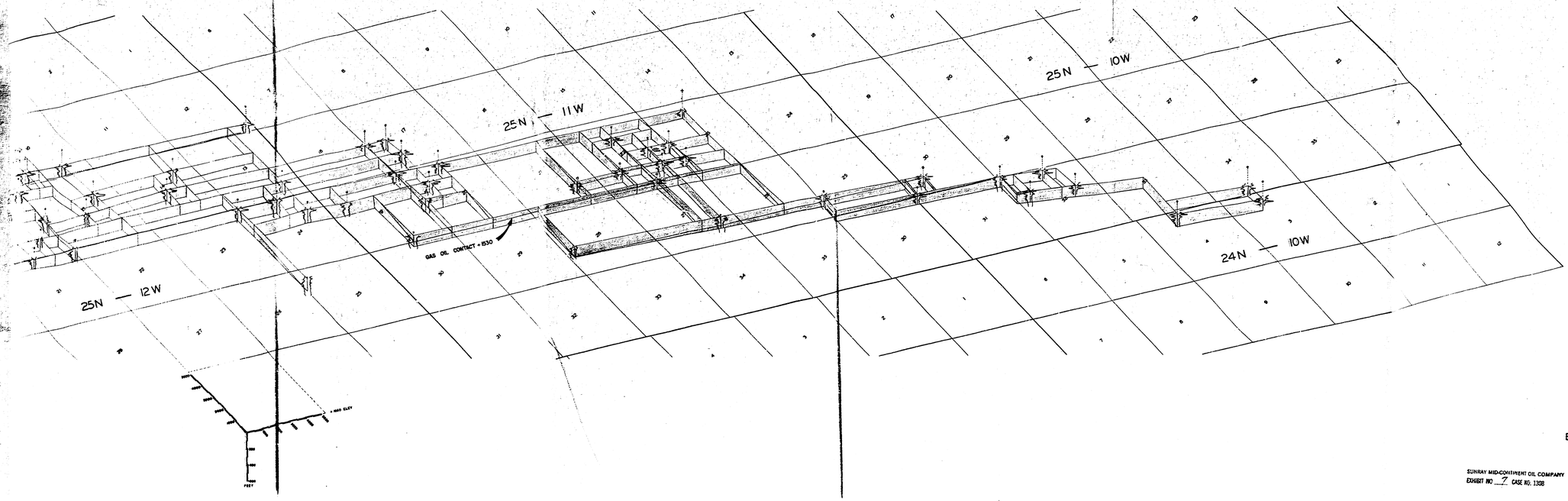
SAN JUAN COUNTY, NEW MEXICO



THREE DIMENSIONAL DRAWING

BISTI LOWER GALLUP OIL POOL

SAN JUAN COUNTY, NEW MEXICO



E2 – 58

SUNRAY MID-CONTINENT OIL COMPANY
EXHIBIT NO. 7 CASE NO. 1308