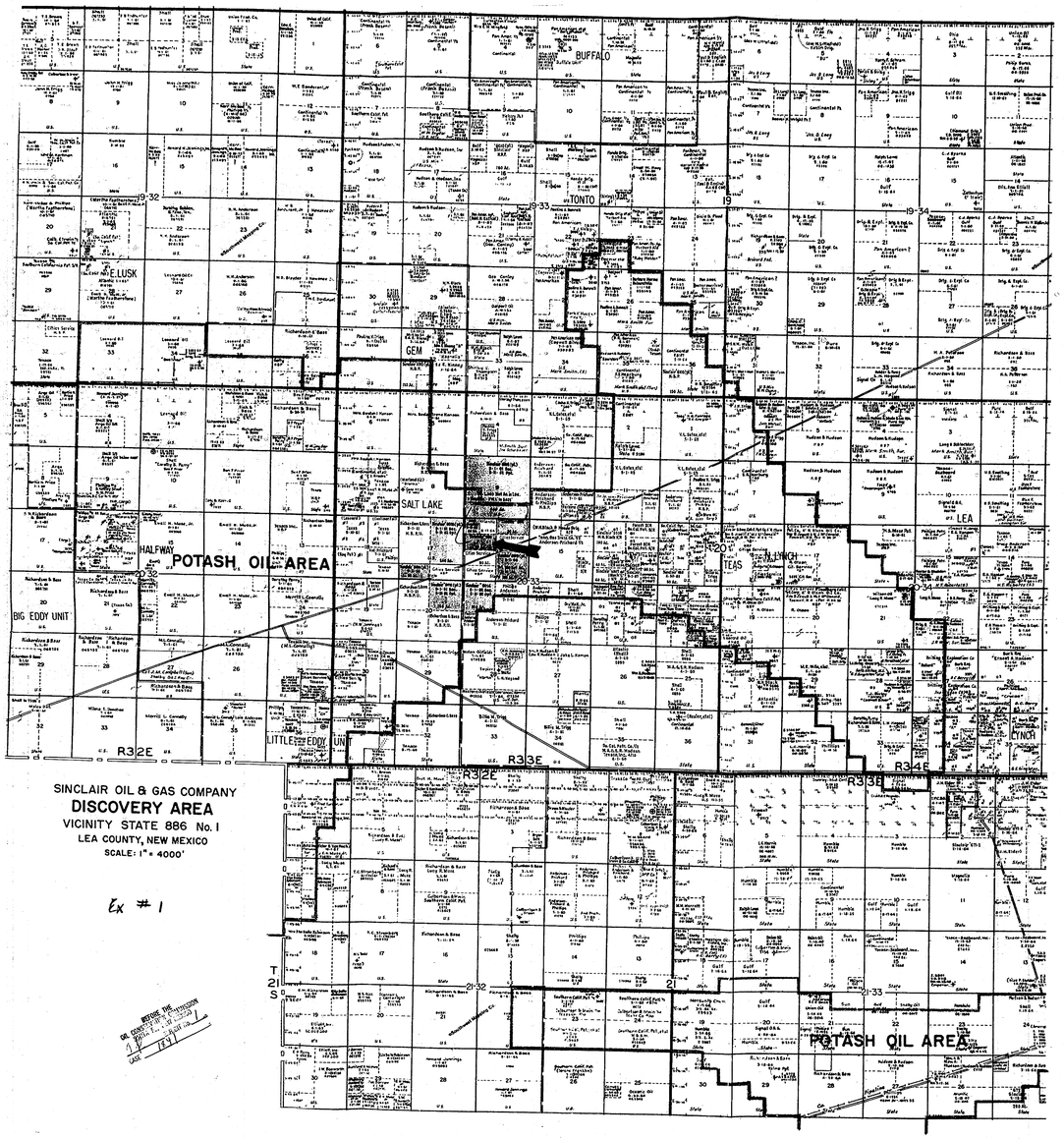


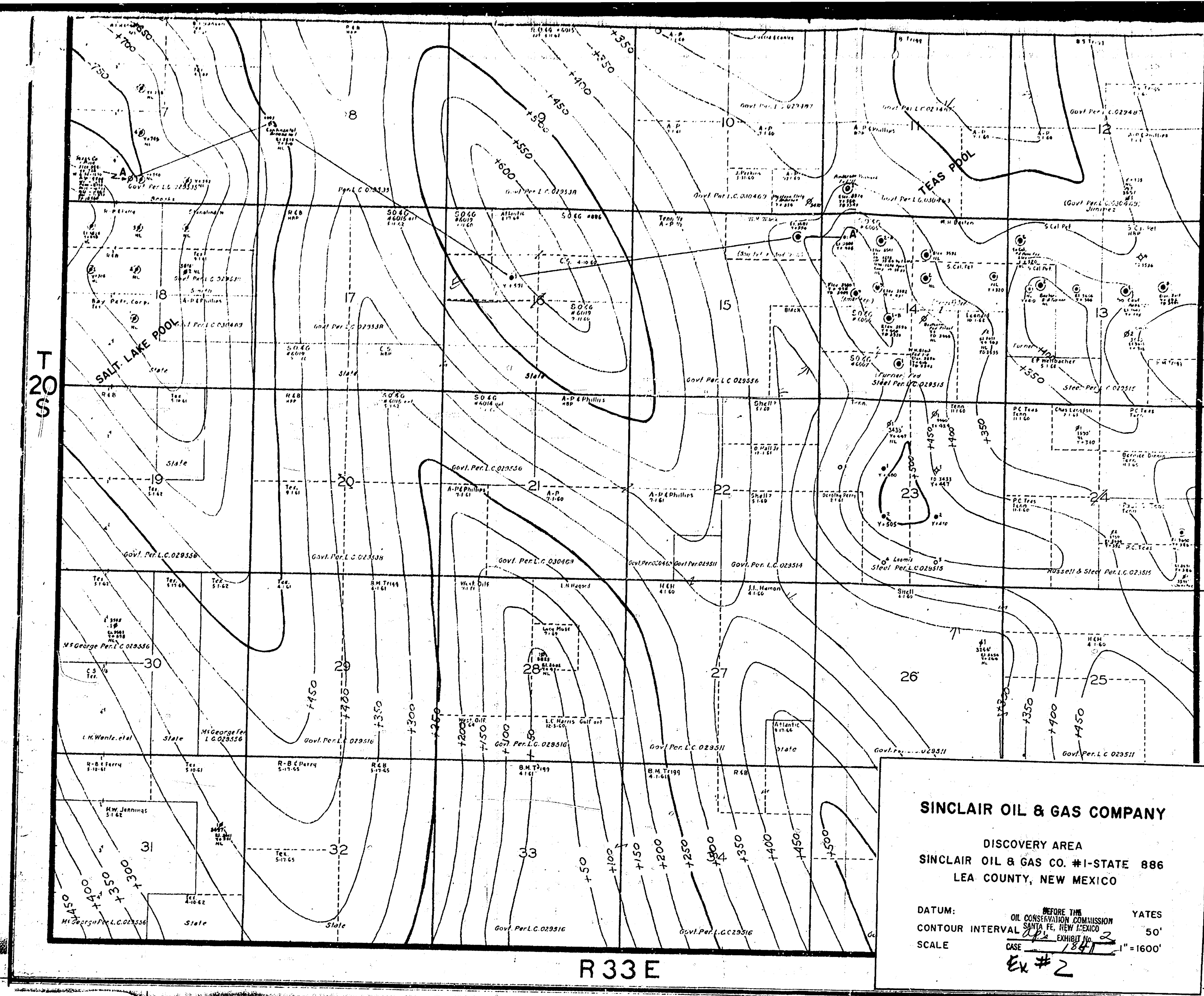
SINCLAIR OIL & GAS COMPANY
DISCOVERY AREA
VICINITY STATE 886 No. 1
LEA COUNTY, NEW MEXICO
SCALE: 1" = 4000'

Ex # 1

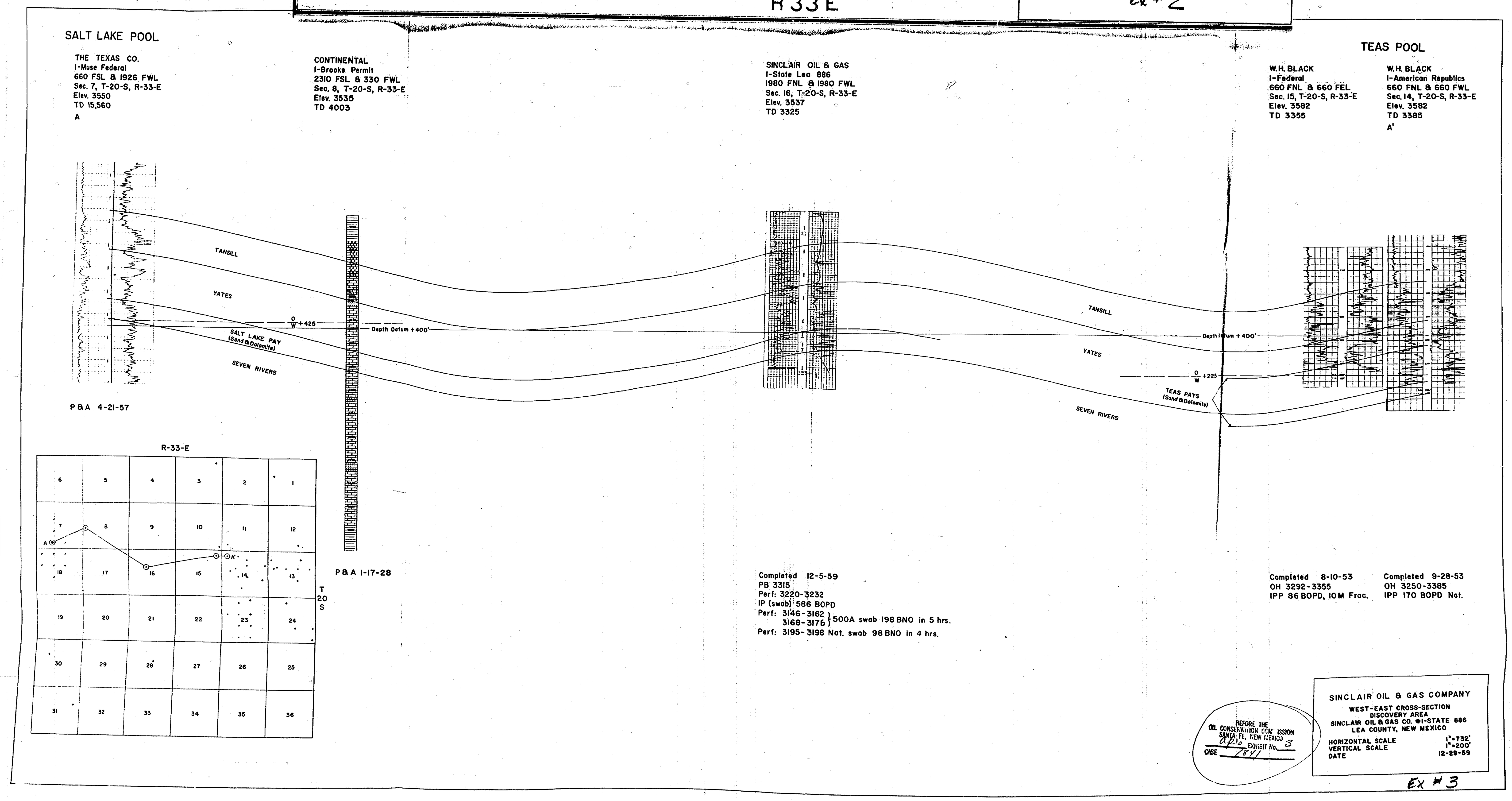
BEFORE THE OIL CONSERVATION COMMISSION
CASE 1841 EXHIBIT NO. 2

Case No.
1841

Large Exhibits



SALT LAKE POOL
TEAS POOL
T 20 S
R 33 E
SINCLAIR OIL & GAS COMPANY
DISCOVERY AREA
SINCLAIR OIL & GAS CO. #1-STATE 886
LEA COUNTY, NEW MEXICO
DATUM: YATES
CONTOUR INTERVAL 50'
SCALE 1" = 1600'
BEFORE THE OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO
EXHIBIT No. 2
CASE 1841
Ex #2



SALT LAKE POOL
THE TEXAS CO.
I-Muse Federal
660 FSL & 1926 FWL
Sec. 7, T-20-S, R-33-E
Elev. 3550
TD 15,560
A
CONTINENTAL
I-Brooks Permit
2310 FSL & 330 FWL
Sec. 8, T-20-S, R-33-E
Elev. 3535
TD 4003
SINCLAIR OIL & GAS
I-State Lea 886
1980 FNL & 1980 FWL
Sec. 16, T-20-S, R-33-E
Elev. 3537
TD 3325
TEAS POOL
W.H. BLACK
I-Federal
660 FNL & 660 FEL
Sec. 15, T-20-S, R-33-E
Elev. 3582
TD 3355
W.H. BLACK
I-American Republics
660 FNL & 660 FWL
Sec. 14, T-20-S, R-33-E
Elev. 3582
TD 3385
A'
TANSILL
YATES
SALT LAKE PAY (Sand & Dolomite)
SEVEN RIVERS
O/W +425
Depth Datum +400'
O/W +225
TEAS PAYS (Sand & Dolomite)
P&A 4-21-57
P&A 1-17-28
R-33-E
T 20 S
Completed 12-5-59
PB 3315
Perf: 3220-3232
IP (swab) 586 BOPD
Perf: 3146-3162, 3168-3176 500A swab 198 BNO in 5 hrs.
Perf: 3195-3198 Nat. swab 98 BNO in 4 hrs.
Completed 8-10-53
OH 3292-3355
IPP 86 BOPD, 10M Frac.
Completed 9-28-53
OH 3250-3385
IPP 170 BOPD Nat.
BEFORE THE OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO
EXHIBIT No. 3
CASE 1841
SINCLAIR OIL & GAS COMPANY
WEST-EAST CROSS-SECTION
DISCOVERY AREA
SINCLAIR OIL & GAS CO. #1-STATE 886
LEA COUNTY, NEW MEXICO
HORIZONTAL SCALE 1"=732'
VERTICAL SCALE 1"=200'
DATE 12-29-59
Ex #3

SCHLUMBERGER WELL SURVEYING CORPORATION
HOUSTON, TEXAS

Sonic Log

COUNTY LEA
FIELD or LOCATION WILDCAT
WELL STATE 886 # 1
COMPANY SINCLAIR OIL AND GAS COMPANY

COMPANY SINCLAIR OIL AND GAS COMPANY
WELL STATE 886 # 1
FIELD WILDCAT
LOCATION SEC. 16-20S-33E
COUNTY LEA
STATE NEW MEXICO

Other Surveys: LL-GR, MLL
Location of Well: 1980' FROM N&W/L

Ex #4
1841

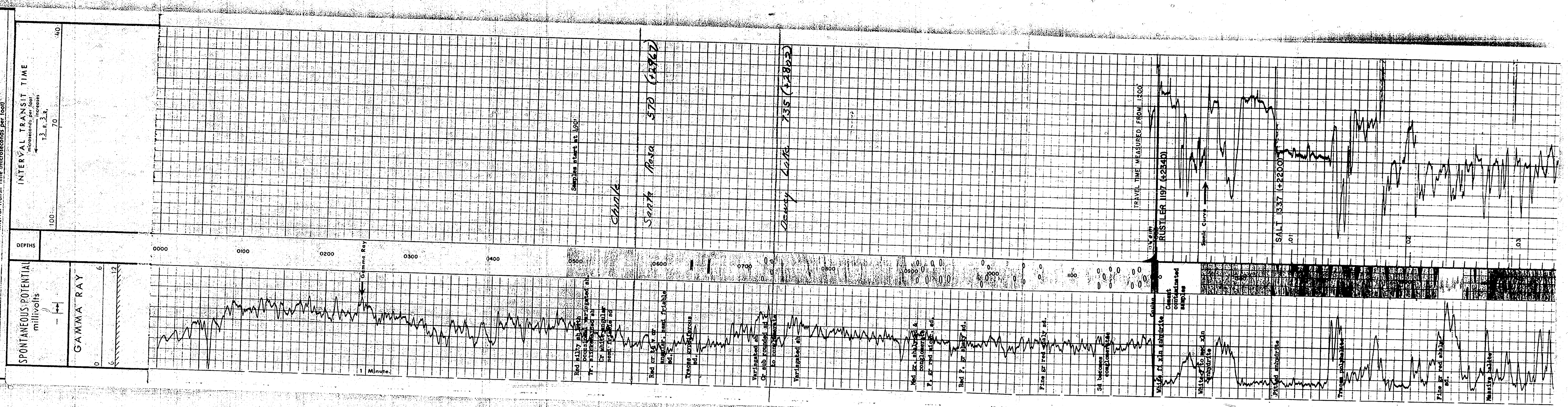
Elevation: K.B.: ___ D.F.: ___ or G.L.: 3537

Log Depths Measured From GL ___ Ft. above

RUN No.	ONE		
Date	11-29-59		
First Reading	3324		
Last Reading	0		
Feet Measured	3324		
Csg. Schlum.	-		
Csg. Driller	1199		
Depth Reached	3327		
Bottom Driller	3325		
Mud Nat.	SALT-GEL		
Dens. | Visc.	10.6 | 39		
Mud Resist.	.05 @ 70 °F	@ °F	@ °F
" Res. BHT	.037 @ 100 °F	@ °F	@ °F
" pH	@ °F	@ °F	@ °F
" Wtr. Loss	9.8 CC 30 min	CC 30 min	CC 30 min
" Rmf	.028 @ 100 °F	@ °F	@ °F
Bit Size	12¼"		
Spon:			
1'	3100 To TD	To	To
3'	CSG To TD	To	To
Opr. Rig Time	3 HOURS		
Truck No.	2527-HOBBS		
Recorded By	WILSON & DAVIS		
Witness	FULLER & ROCHE		

REMARKS: VLC No.: VLP-B 129; VLS No.: VLC-B 30; VLP No.: VLS-C 20; GR B: 48; 380 100 500 SENS: 300 SPEED: 3075 FT./MIN.

Velocity (feet per second) = 1,000,000 / Interval Transit Time (microseconds per foot)



SCHLUMBERGER WELL SURVEYING CORPORATION
HOUSTON, TEXAS

MicroLaterolog

COMPANY SINCLAIR OIL AND GAS CO.
WELL STATE 886 #1
FIELD WILDCAT
LOCATION SEC 16-20S-33E
COUNTY LEA
STATE NEW MEXICO

Other Surveys: LL-SGR
Location of Well: 1980' FN & WL

Ex #5
1841

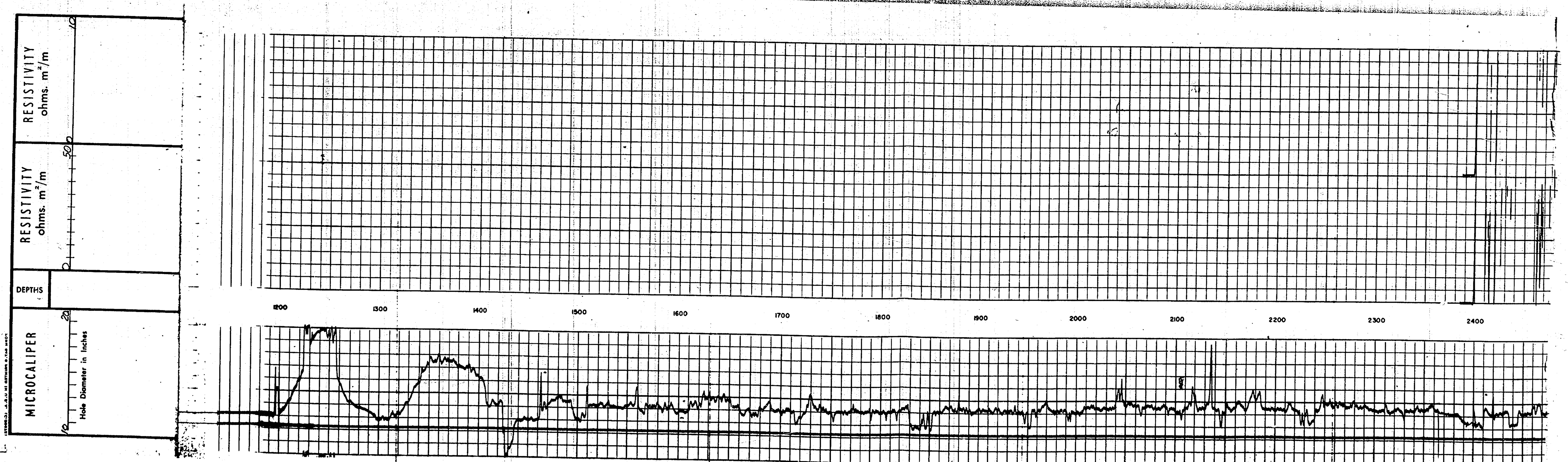
Elevation: D.F. ___ K.B. ___ or G.L. 3537

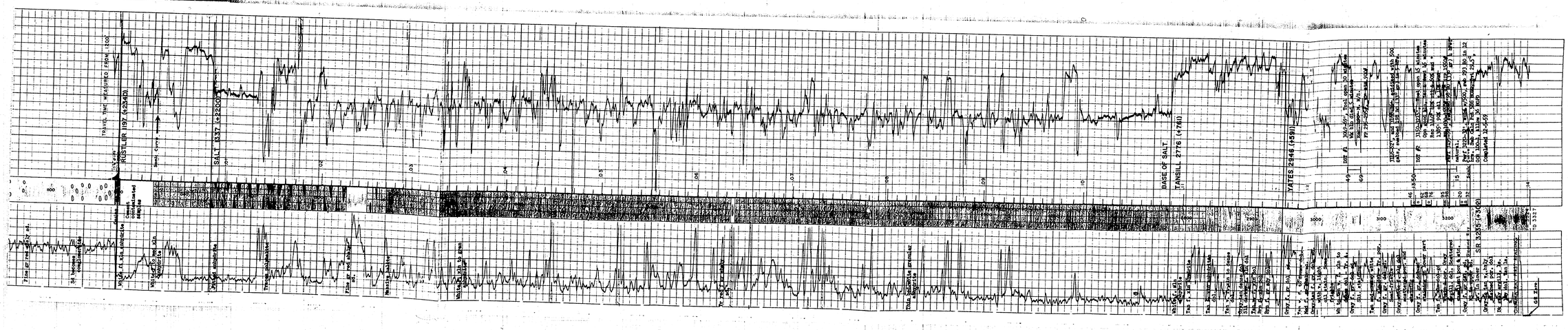
Log Depths Measured From GL ___ Ft. above

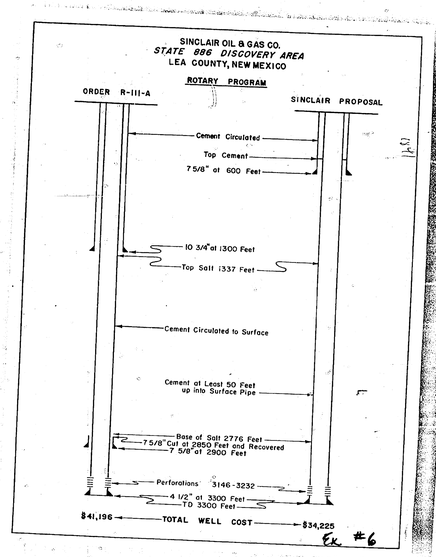
RUN No.	ONE		
Date	11-29-59		
First Reading	3326		
Last Reading	2700		
Feet Measured	626		
Depth Reached	3327		
Bottom Driller	3325		
Mud Nat.	SALT GEL		
Dens. | Visc.	10.6 | 39		
Mud Resist.	.05 @ 70 °F	@ °F	@ °F
" Res. BHT	@ °F	@ °F	@ °F
" pH	@ °F	@ °F	@ °F
" Wtr. Loss	CC 30 min	CC 30 min	CC 30 min
" Rmf	.04 @ 70 °F	@ °F	@ °F
" Rmc	@ °F	@ °F	@ °F
Bit Size	12 ¼		
Sonde Type	POWERED		
Pad Type	H-PAD		
Opr. Rig Time	2 HOURS		
Truck No.	2527		
Recorded By	WILSON & DAVIS		
Witness	FULLER & ROCHE		

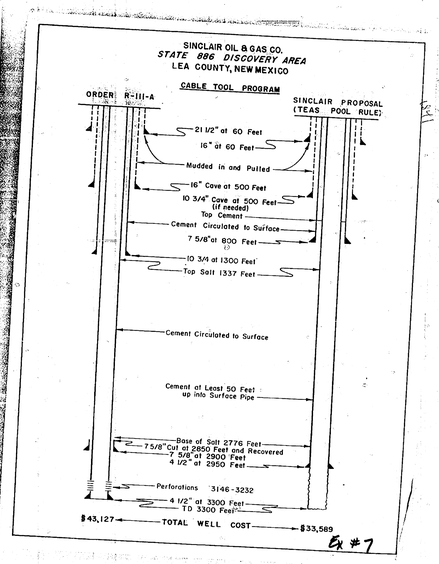
BEFORE THE OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO
OCC EXHIBIT No. 5
CASE 1841

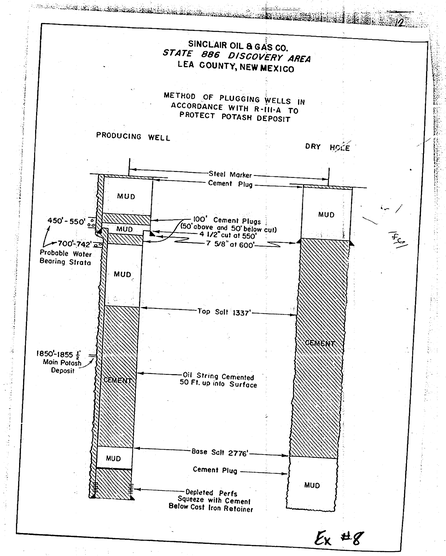
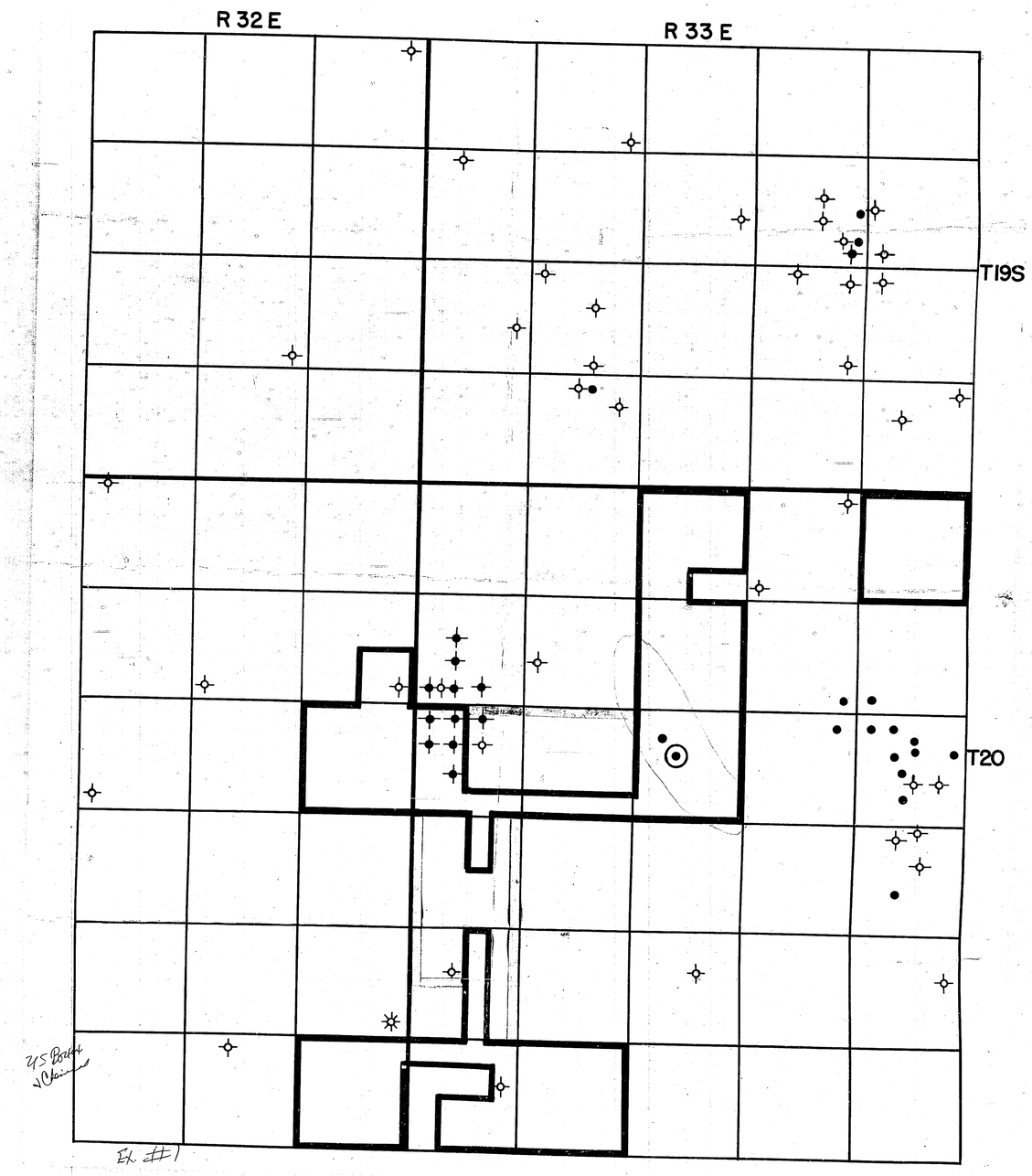
REMARKS




TRAVEL TIME MEASURED FROM 1300
RUSTLER 1197 (+2340)
SALT 837 (+2200)
BASE OF SALT
TANSILL 2776 (+761)
YATES 2846 (+691)
SR 3025 (+360)


SINCLAIR OIL & GAS CO.
STATE 886 DISCOVERY AREA
LEA COUNTY, NEW MEXICO
ROTARY PROGRAM
ORDER R-111-A
SINCLAIR PROPOSAL
Cement Circulated
Top Cement
7 5/8" at 600 Feet
10 3/4" at 1300 Feet
Top Salt 1337 Feet
Cement Circulated to Surface
Cement at Least 50 Feet up into Surface Pipe
Base of Salt 2776 Feet
7 5/8" Cut at 2850 Feet and Recovered
7 5/8" at 2900 Feet
Perforations 3146 - 3232
4 1/2" at 3300 Feet
TD 3300 Feet
$41,196
TOTAL WELL COST
$34,225
Ex. #6


SINCLAIR OIL & GAS CO.
STATE 886 DISCOVERY AREA
LEA COUNTY, NEW MEXICO
CABLE TOOL PROGRAM
ORDER R-111-A
SINCLAIR PROPOSAL (TEAS POOL RULE)
21 1/2" at 60 Feet
16" at 60 Feet
Mudded in and Pulled
16" Cove at 500 Feet
10 3/4" Cove at 500 Feet (if needed)
Top Cement
Cement Circulated to Surface
7 5/8" at 800 Feet
10 3/4 at 1300 Feet
Top Salt 1337 Feet
Cement Circulated to Surface
Cement at Least 50 Feet up into Surface Pipe
Base of Salt 2776 Feet
7 5/8" Cut at 2850 Feet and Recovered
7 5/8" at 2900 Feet
4 1/2" at 2950 Feet
Perforations 3146 - 3232
4 1/2" at 3300 Feet
TD 3300 Feet
$43,127
TOTAL WELL COST
$33,589
Ex #7


SINCLAIR OIL & GAS CO.
STATE 886 DISCOVERY AREA
LEA COUNTY, NEW MEXICO
METHOD OF PLUGGING WELLS IN ACCORDANCE WITH R-111-A TO PROTECT POTASH DEPOSIT
PRODUCING WELL
DRY HOLE
Steel Marker
Cement Plug
MUD
450'-550'
Base of Fresh Water
100' Cement Plugs (50' above and 50' below cut)
4 1/2" cut at 550'
7 5/8" at 600'
700'-742'
Probable Water Bearing Strata
Top Salt 1337'
1850'-1855'
Main Potash Deposit
CEMENT
Oil String Cemented 50 Ft. up into Surface
Base Salt 2776'
Depleted Perfs Squeeze with Cement Below Cast Iron Retainer
Ex #8

#9