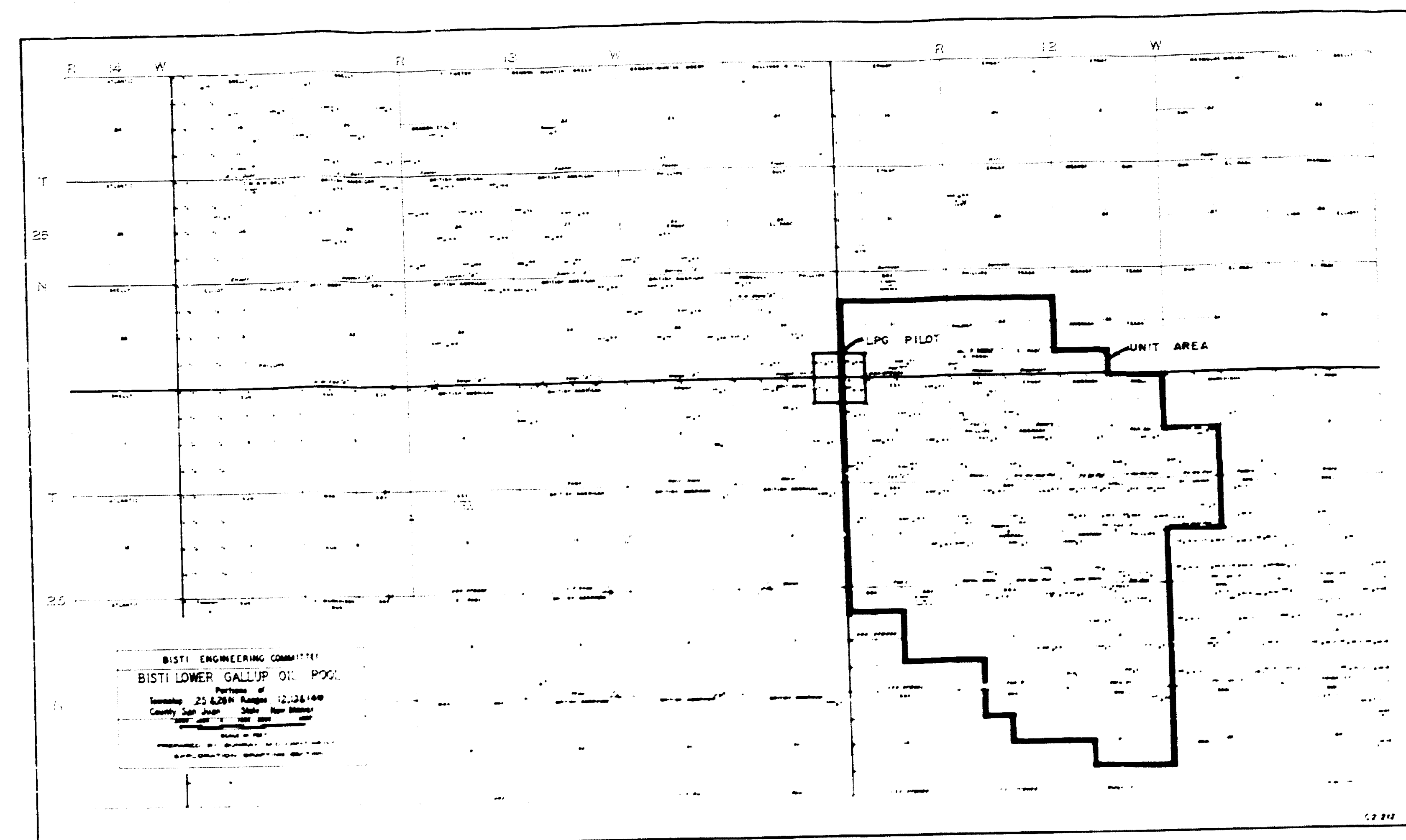


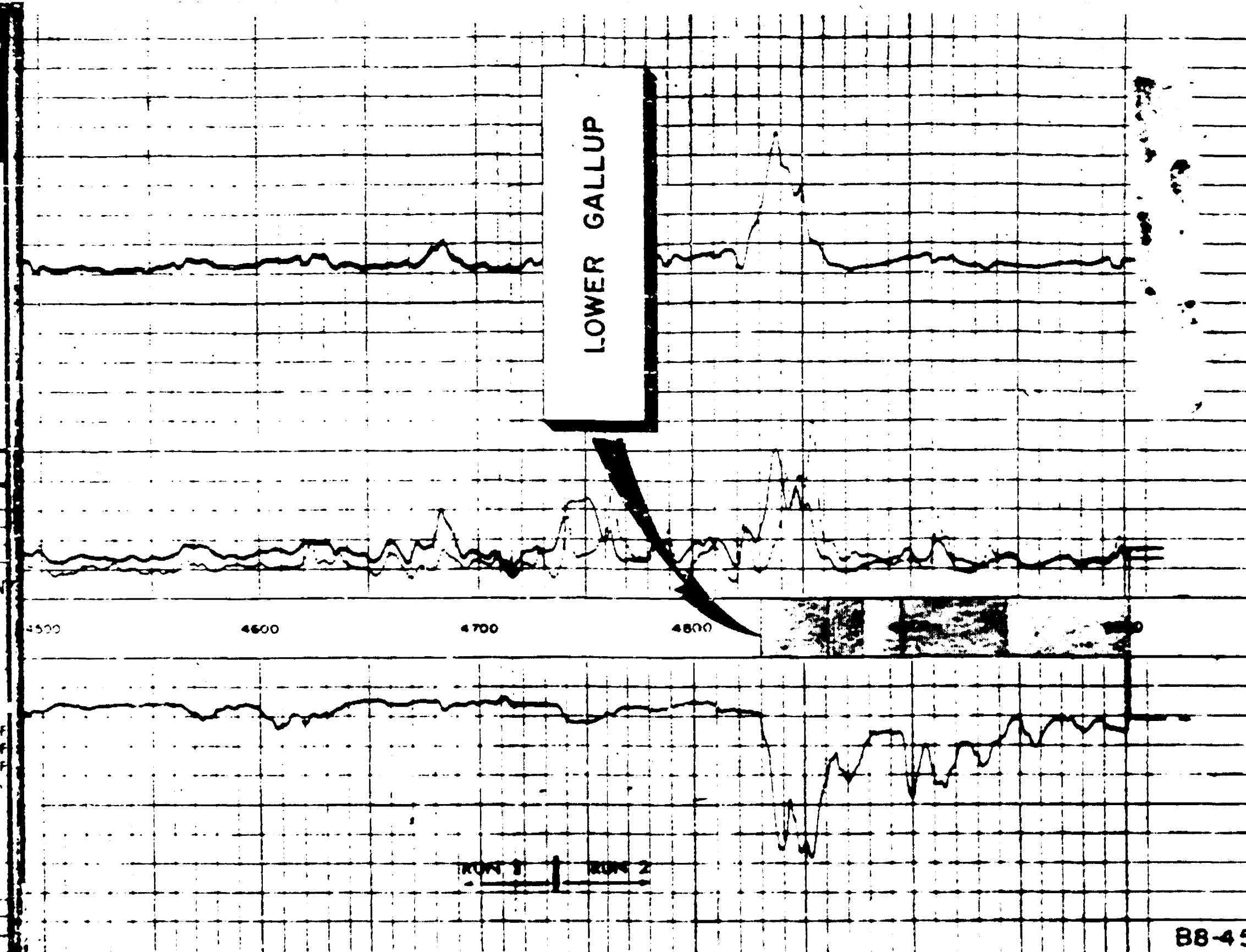
Case No

1664

Large Exhibits

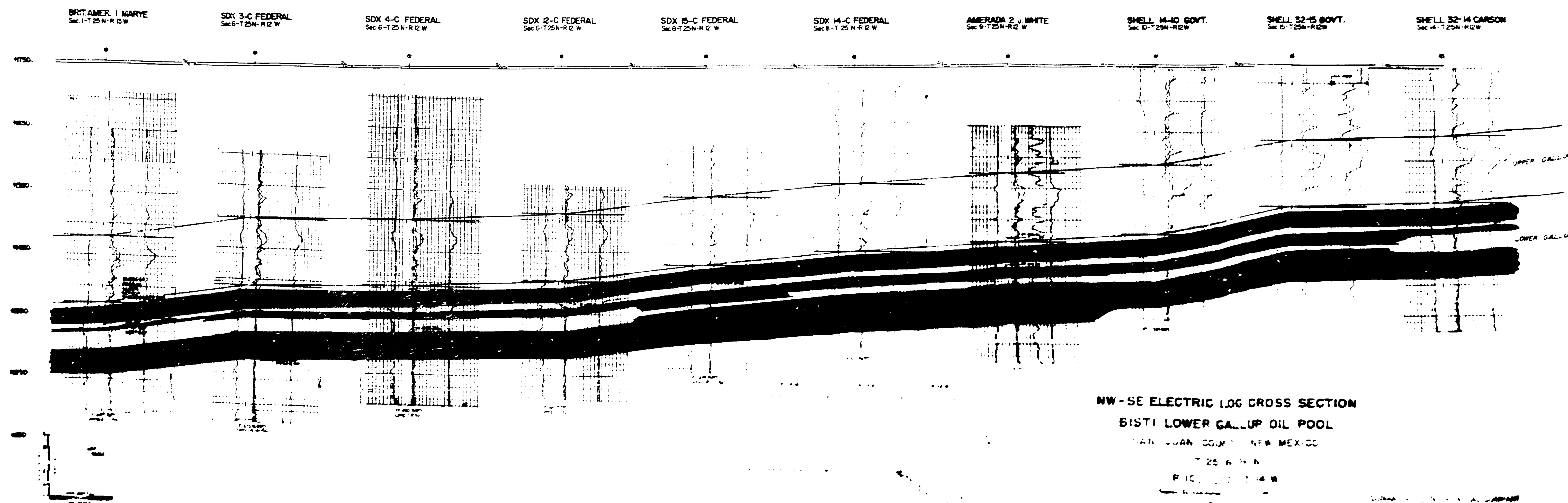


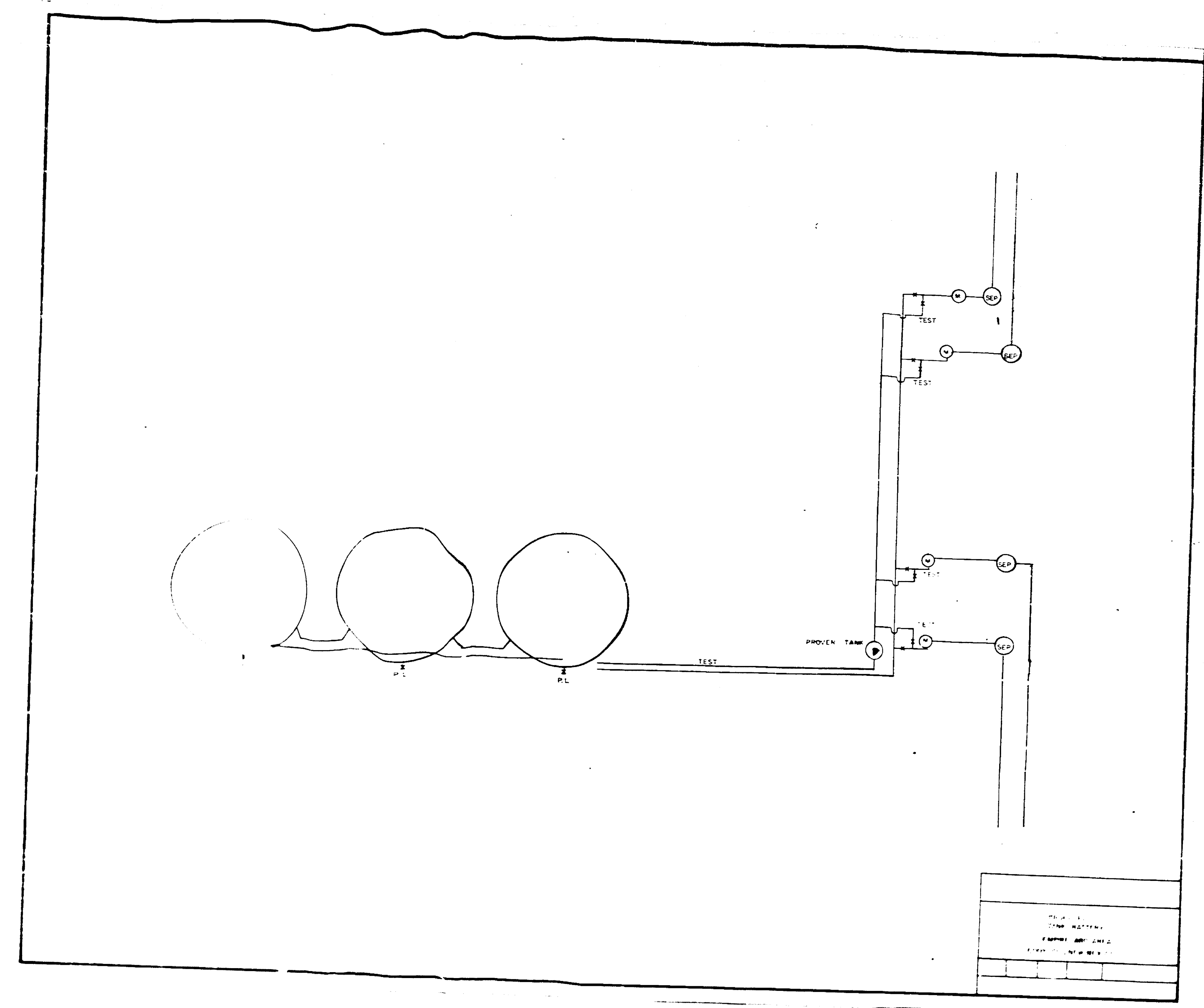
SCHLUMBERGER WELL SURVEYING CORPORATION			
Electrical Log			
COUNTY	SAN JUAN, N.M.	COMPANY	SUNRAY
LOCATION	BIST L GALLUP	WELL	FEDERAL #1-C
FIELD	BIST L GALLUP	LOCATION SEC.	6-25N-12W
COUNTY	SAN JUAN	Location of Well	650' FR N/L 650' FR W/L SEC. 6-25N-12W
STATE	NEW MEXICO	Elevation D.F.	K.B.S. 195'
		or G.L.	
		FILING No.	
RUN No.	ONE	TWO	
Date	4-17-55	4-20-55	
First Reading	4730	3002	
Last Reading	212	4734	
Test Measured	4522	268	
Csg. S. Alum.	512		
Csg. Driller	515		
Depth Reached	4735	3003	
Bottom Driller	4800	3000	
Depth Datum	4800	3000	
Mud Not	GEL CHEM	GEL CHEM	
Density	9.7	9.5	
Viscosity	67	70	
Res. BHT	0683	621	
Res. BHT	06125	128	
Wtr. Loss	7.0	7.0	
Max. Temp	125	128	
Bit Size	16"	16"	
Spout - AM	16"	16"	
Spout - A.M.	16"	16"	
AO	16.8"	16.8"	
Obs. Rig Time	17:20	17:20	
Trunk No.	1720	1720	
Recorded By	DOVEY	KIMBALL	
Witnessed By	MARSHALL	LOW	



B

B'



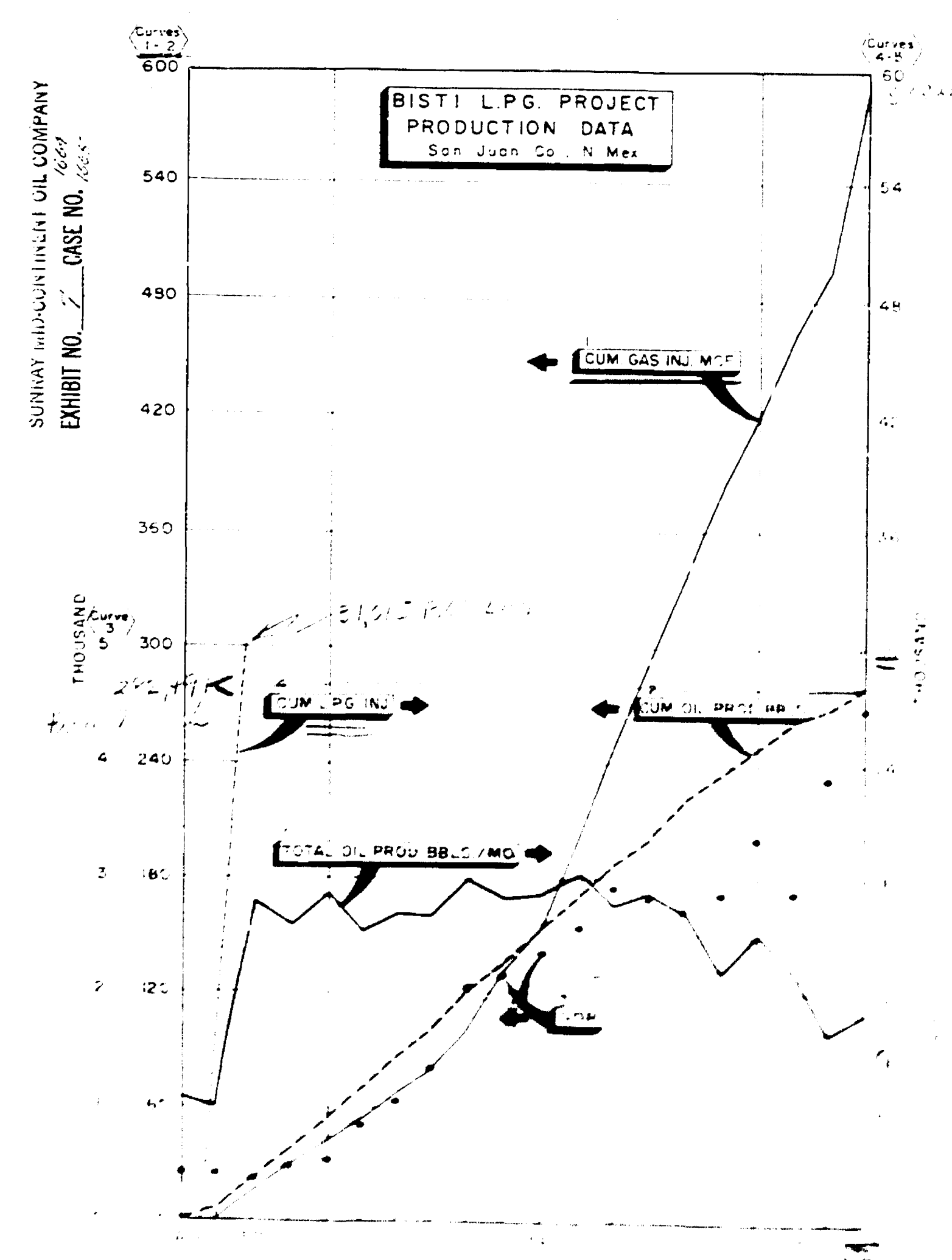
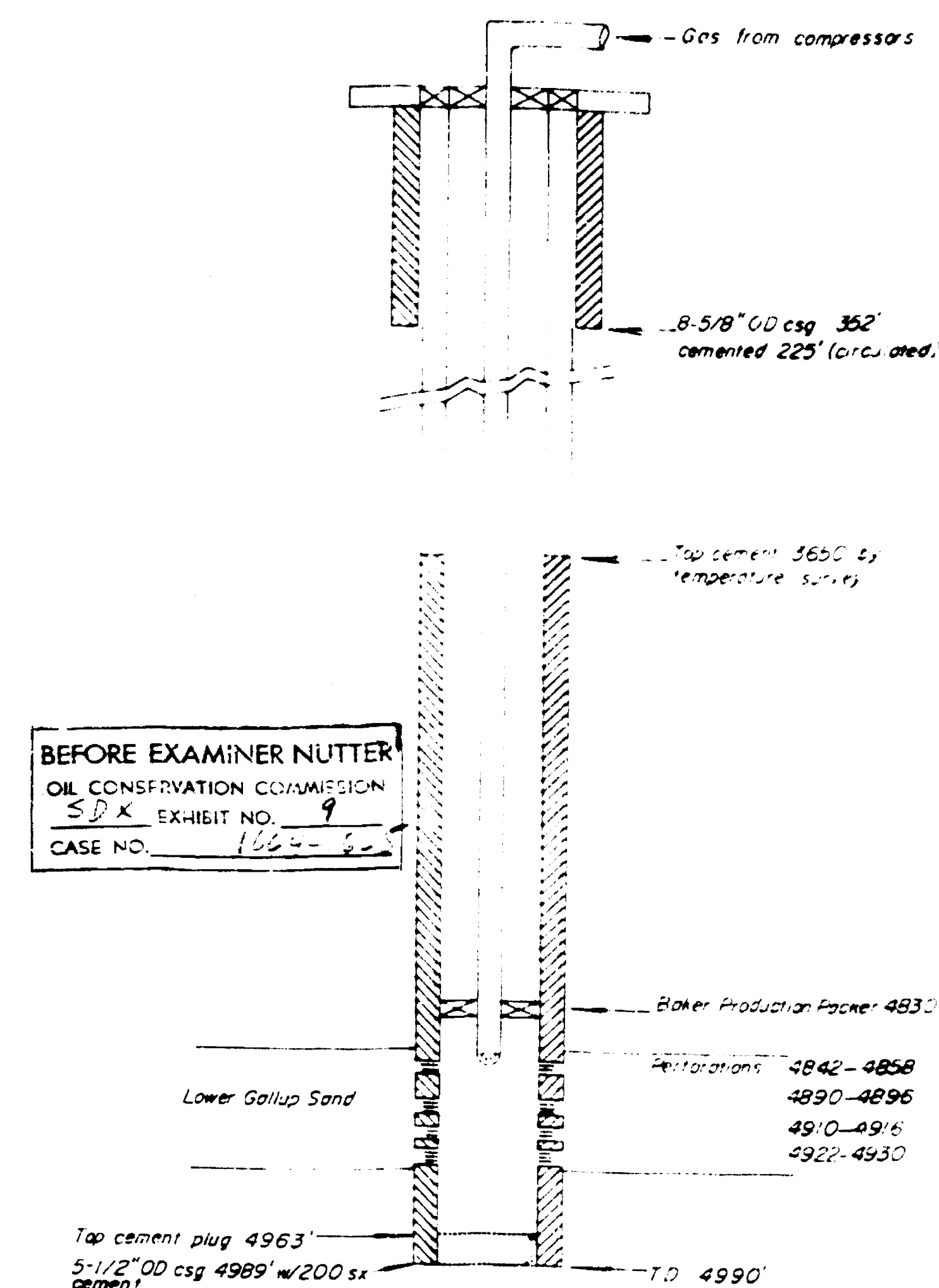


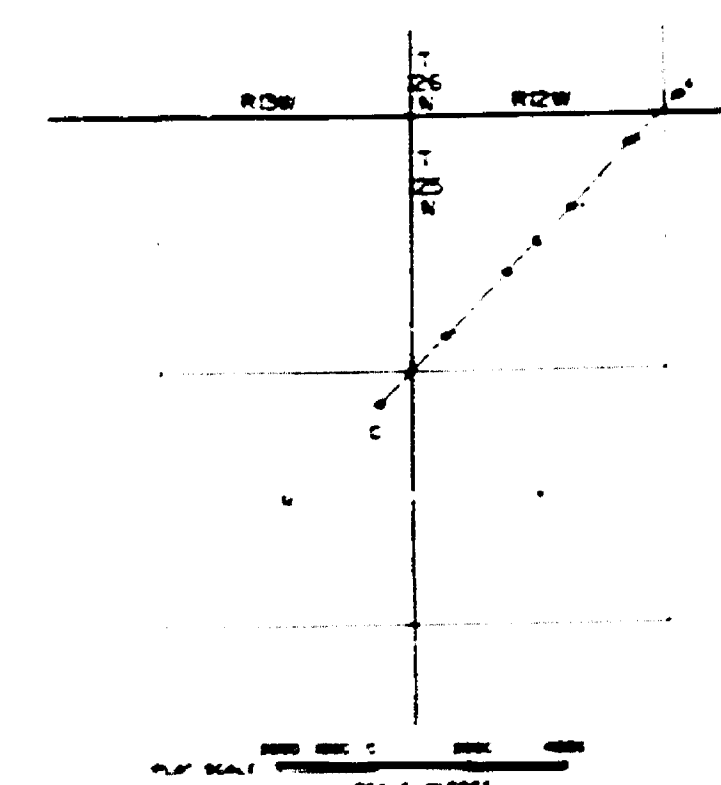
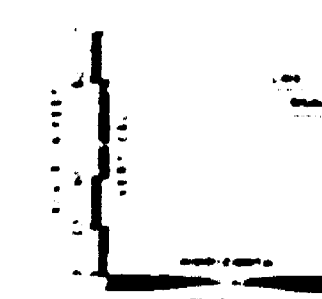
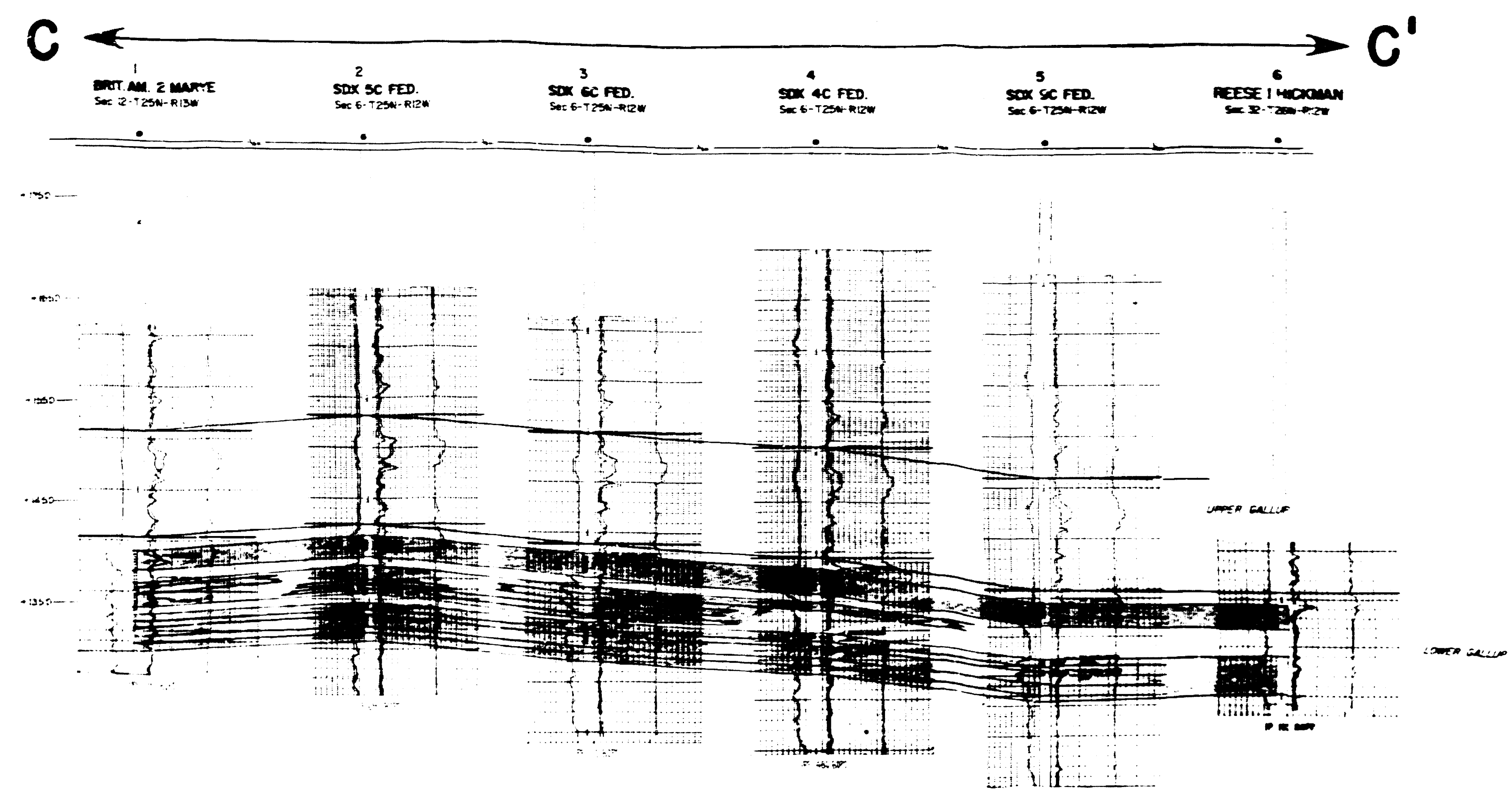
AVERAGE RESERVOIR AND FLUID CHARACTERISTICS
 CENTRAL BISTI LOWER GALLUP SAND UNIT
 BISTI OIL POOL, SAN JUAN COUNTY, NEW MEXICO

Acres in Unit Area	7,388.46
Acres in participating area	4,713.07
Porosity, percent	14.4
Connate water, percent	26
Permeability, md.	9
Bubble point pressure, psia	1,207
Reservoir temperature, °F	145° F
Solution gas-oil ratio at bubble point CF/bbl.	406
Formation volume factor BB/STB	1.261
Viscosity of oil at bubble point CP	0.83
Gravity of oil °API	39
Color of oil	Greenish Brown

SUNRAY MID-CONTINENT OIL COMPANY
 EXHIBIT NO. 2 CASE NO. 1004
 1004 1004

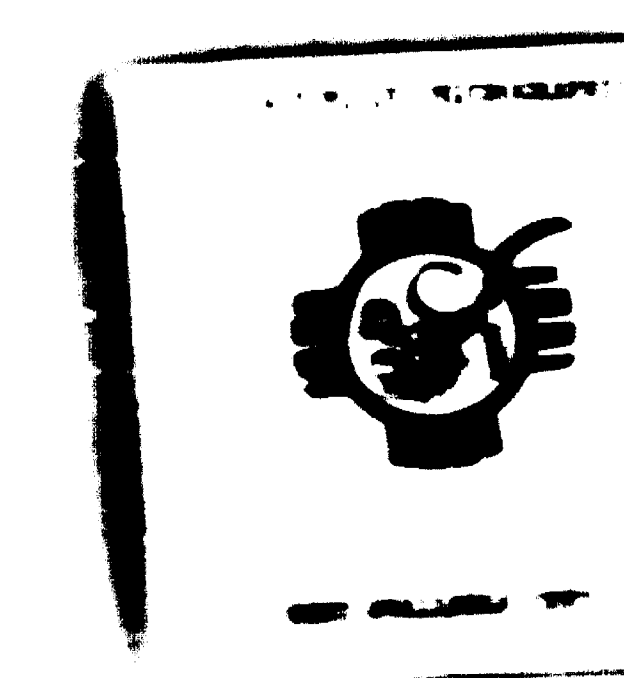
SCHEMATIC DRAWING
 PROPOSED GAS INJECTION WELL
 SUNRAY MID-CONTINENT OIL COMPANY
 FEDERAL "C" NO. 18
 BISTI-LOWER GALLUP POOL
 SAN JUAN COUNTY, NEW MEXICO





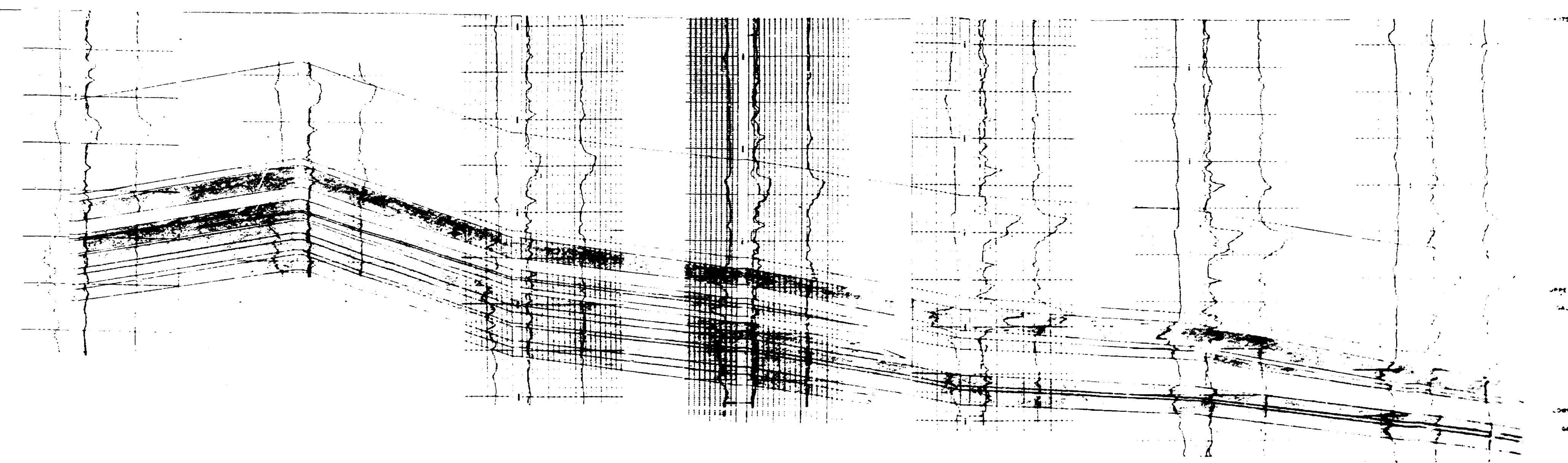
NE-SW ELECTRIC LOG CROSS SECTION
BISTI LOWER GALLUP OIL POOL
SAN JUAN COUNTY, NEW MEXICO
T 25 N -- R 12 & 13 W
Revised by Interpretation Staff, March 1964

SUNBELT MID-CONTINENTAL COMPANY
DOWNEY, OK



E ← → E'

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-DA-PAN SEC. 4-25N-12W



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

SUNRAY MID-CONTINENT OIL COMPANY
EXHIBIT NO. 4 CASE NO. 1000

