Case No.

1912

Large Exhibits

SCHLUMBERGER WELL SURVEYING CORPORATION
HOUSTON, TEXAS

Induction-Electrical Log

COMPANY SOUTHERN UNION GAS COMPANY
WELL JICARILLA #1F
FIELD DAKOTA WILDCAT
LOCATION SEC. 27-26N-4W
COUNTY RIO ARRIBA
STATE NEW MEXICO

Other Surveys: NL

Location of Well: 1600' FR S/L, 850' FR W/L, SEC. 27-26N-4W

Elevation: D.F. 7190, K.B. 7191, or G.L. 7180

FILING No.

COUNTY RIO ARRIBA, NEW MEXICO
FIELD or LOCATION DAKOTA WILDCAT
WELL JICARILLA #1F
COMPANY SOUTHERN UNION GAS CO.

RUN No.	TWO							
Date	10-23-59							
First Reading	8150							
Last Reading	5419							
Feet Measured	2021							
Csg. Schlum.	5419							
Csg. Driller	5419							
Depth Reached	8146							
Bottom Driller	8150							
Depth Datum	KB							
Mud Nat.	CHEM GEL							
Dens. - Visc.	9.3 305							
Mud Resist.	2.4@ 61	@	°	@	°	@	°	@ °
Res. BHT	78@ 1729	@	°	@	°	@	°	@ °
Rmf	1@ 1729	@	°	@	°	@	°	@ °
Rmc	85@ 1729	@	°	@	°	@	°	@ °
pH	8.5@	@	°	@	°	@	°	@ °
Wtr. Loss	CC 30 min.	CC 30 min.		CC 30 min.		CC 30 min.		
Bit Size	6 1/4"							
Spcgs.—AM	16"							
MN	27.5"							
IND.	40"							
Opr. Rig Time	2 HOURS							
Truck No.	3615, 3601							
Recorded By	CUTLER							
Witness	MR. MILLER							

REMARKS: 10 C.D. USED

TOP SOURCE-TSGD-PIT

Carriage No. TC-1299
Head No. TRC-1651
Scale No. TRC-1651

CONDUCTIVITY millimhos/m = 1000/ohms m²/m
INDUCTION 0 200 400 600

RESISTIVITY -ohms m²/m
16" NORMAL 0 100 1000
INDUCTION 0 100 1000

DEPTHS 2"=100' 5419

SPONTANEOUS-POTENTIAL millivolts 10 0 -10

5500 5600 5700 5800 5900 6000 6100 6200 6300

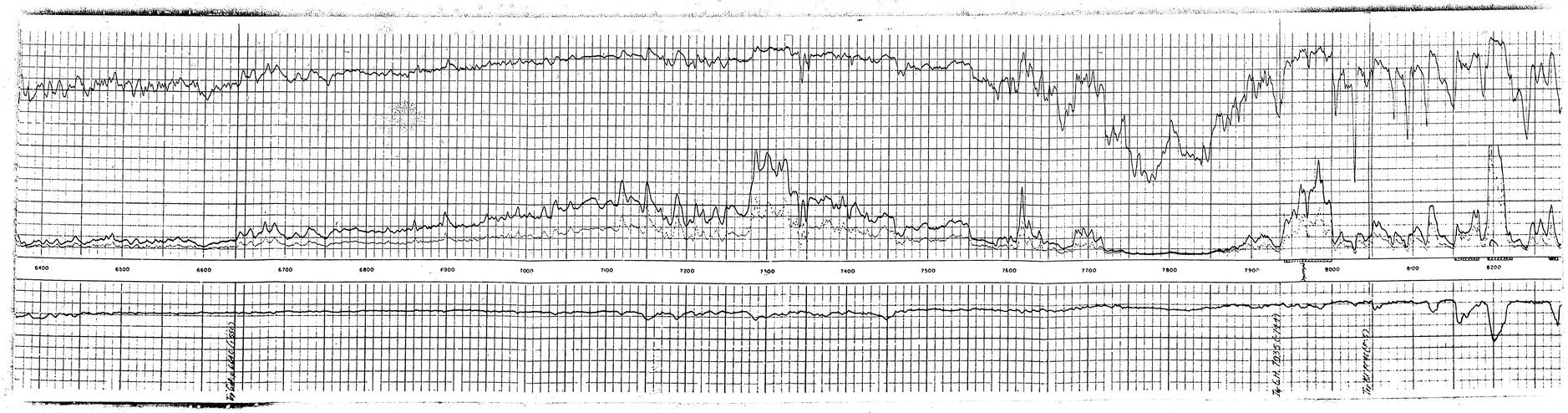
Sp. Curve Scale

Gr. Resistivity Curve

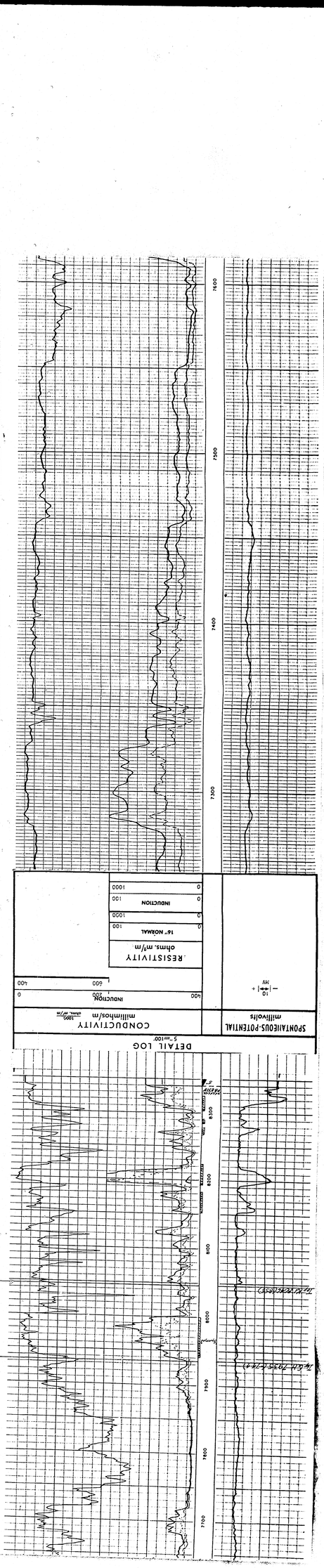
Ind. Conductivity Curve

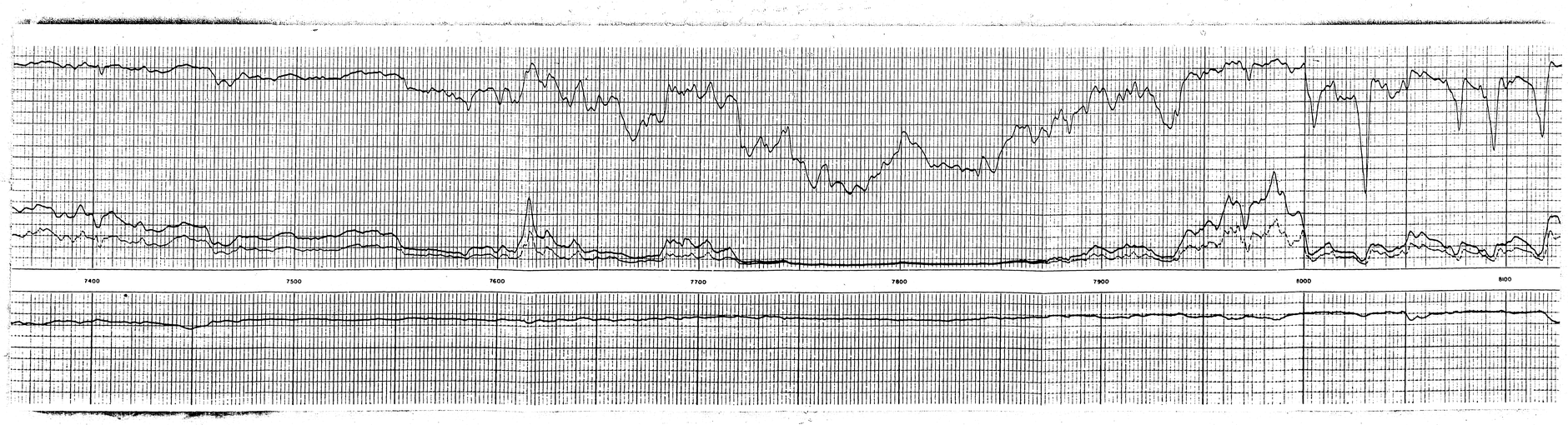
U.S.G.S. PHOTOGRAPHS

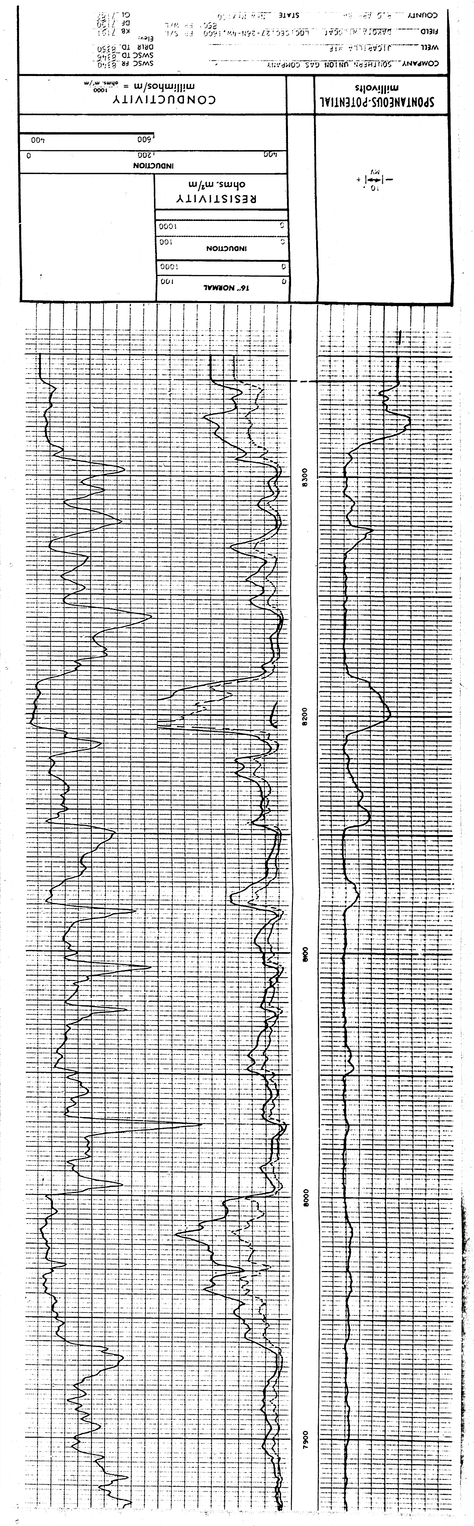
BEST AVAILABLE COPY



V.A.M.C.F. MICROGRAPHICS


DETAIL LOG
5"=100'
SPONTANEOUS-POTENTIAL
millivolts
CONDUCTIVITY
millimhos/m
RESISTIVITY
ohms, m²/m
16" NORMAL
INDUCTION
7300
7400
7500
7600
8000
8100
8200
8300


7400
7500
7600
7700
7800
7900
8000
8100


SPONTANEOUS POTENTIAL
millivolts
CONDUCTIVITY
millimhos/m
RESISTIVITY
ohms. m²/m
16" NORMAL
INDUCTION
INDUCTION
8300
8200
8100
8000
7900