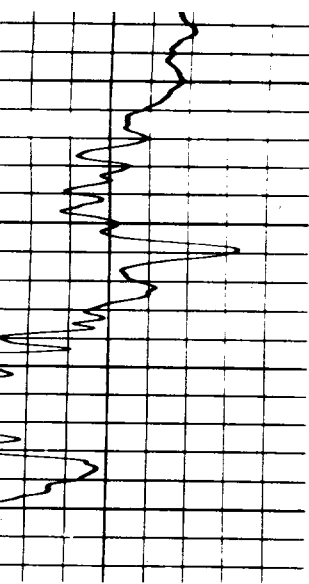
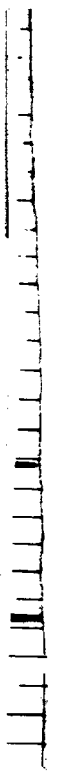




BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

EXHIBIT No. 4
CASE 1616



SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



INDUCTION-ELECTRIC LOG
GAMMA RAY-NEUTRON
INDUCTION LOG

COMPANY EL PASO NATURAL

GAS COMPANY

WELL HULRFANO 107 GD

FIELD WILDCAT

LOCATION SEC. 35-27N-10W

COUNTY SAN JUAN

STATE NEW MEXICO

Location of Well

1460' ME N/L
1100' ME W/L
S. 35-27N-10W

1-15 GR-N IND
(ML TFM)

Elevation: D.F.: 661

K.B.:

or G.L.: 665

FILING No.

WILDCAT
HULRFANO 107 GD

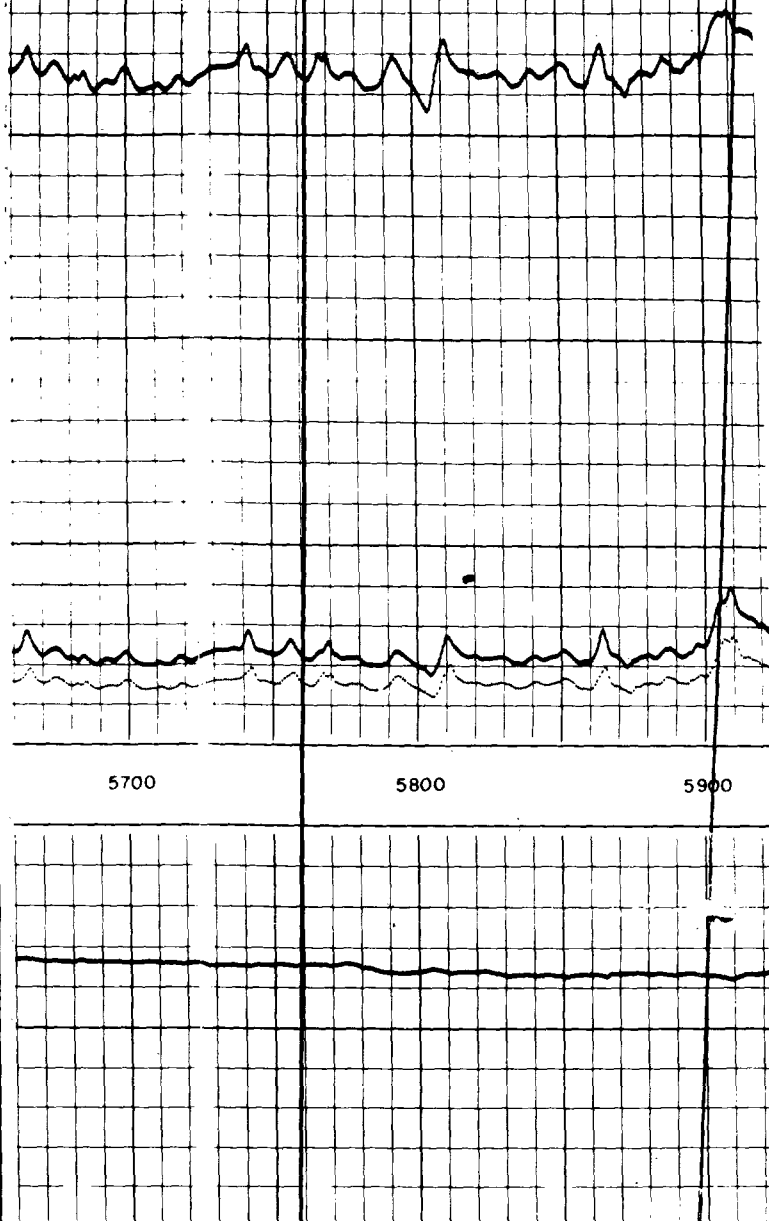
COMPANY EL PASO NATURAL
GAS COMPANY

Run No.	ONE I-FS	ONE GR-N	ONE IND
	12-12-58	12-16-58	12-16-58
Reading	6421	7022	7019
Reading	329	5850	6426
Measured	6092	1172	593
Schlum.	329		
Driller	327		
h Reached	6427	7023	7023
m Driller	6435	7017	7023
h Datum	KB	KB	KB
Nat.	GEL	GAS	GAS
Density	9.4		
Viscosity	60		
Resist.	3.8 @ 64 F	@ F	F
Res. BHT	1.9 @ 129 F	@ F	F
pH	8 @ F	@ F	F
Wtr. Loss	4 CC 30 min.	CC 30 min.	
Temp. F	129		
ze	9 7/8"	6 3/4"	6 3/4"
S.	AM 15"		IND 27"
EQUIP.	IND 40"	GNAM-4	
PANEL		GNP-C	
Rig Time	4 HRS	3 HRS	1 HR
No.	2515 FARM	1588 FARM	1588 FARM
ded By	JULIUS	HANDLEY	HANDLEY
ss	MR. FORD	MR. FORD	MR. FORD

RECEIVED

JAN 9 1959

OIL CON
DIST. 3



SCHLUMBERGER WELL SURVEYING CORPORATION

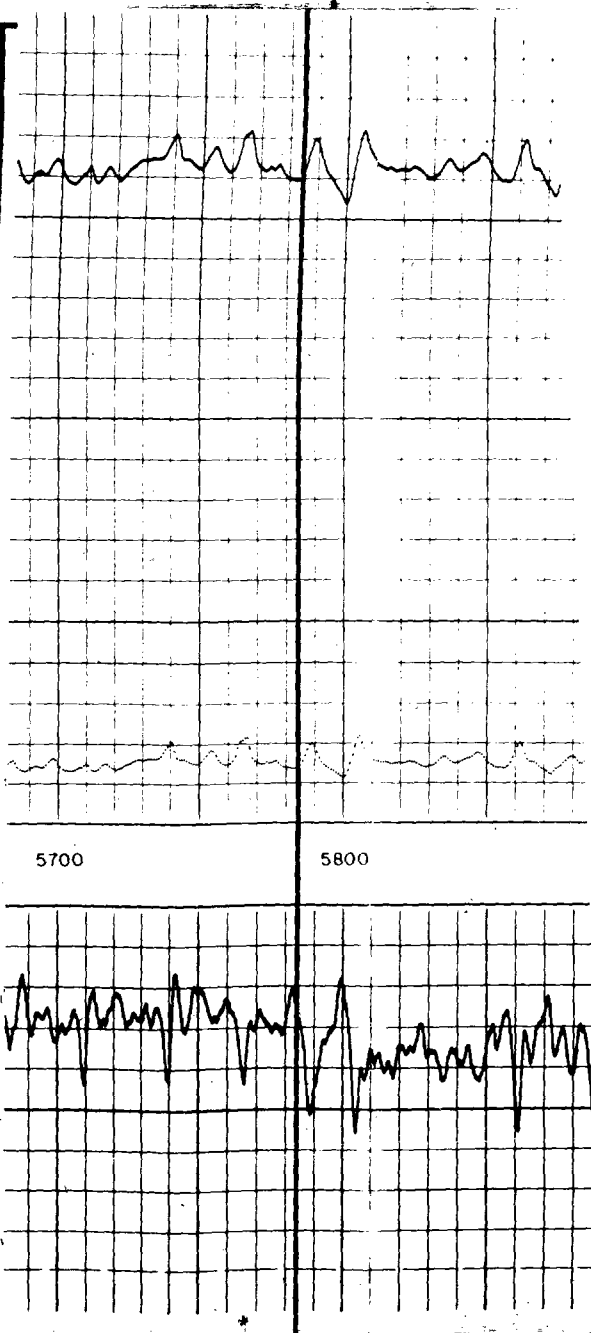
HOUSTON, TEXAS



INDUCTION-ELECTRICAL
GAMMA RAY LOG
INDUCTION LOG

COUNTY FIELD or LOCATION WELL	SAN JUAN, N.M. ANGEL PEAK GALLUP McADAMS #3	COMPANY	W. R. WEAVER	Location of Well	990' FR E/L 1650' FR N/L SEC. 34-27N-10W
		WELL	McADAMS #3	IND-ES GRI IND (TEMP)	
		FIELD	ANGEL PEAK GALLUP	Elevation: D.F. 6672' K.B. --- or G.L. ---	
		LOCATION	SEC. 34-27N-10W	FILING No.	
COMPANY	W. R. WEAVER	COUNTY	SAN JUAN	STATE	NEW MEXICO

RUN No.	ONE I-ES	ONE IND	ONE GRI	TWO GRI	THREE IND
Date	5-6-58	5-13-58	5-13-58	5-23-58	5-23-58
First Reading	5054	6345	6349	7080	7081
Last Reading	207	5059	4800	6340	6354
Feet Measured	4347	1306	1549	7.0	727
Csg. Schlum.	207	5059	--	6353	6354
Csg. Driller	200	5060	--	6355	6355
Depth Reached	5060	6351	6351	7087	7087
Bottom Driller	5080	6355	6355	7086	7086
Depth Datum	KB	KB	KB	KB	KB
Mud Nat.	OIL EMUL	GAS DRILLED	GAS DRILLED	GAS DRILLED	GAS DRILLED
Density	10				
Viscosity	96				
Resist.	2.0 @ 95 F	@ F			
Res. BHT	1.6 @ 120 F	@ F			
pH	9.5 @ F	@ F			
Wtr. Loss	4.7 CC 30 min.	CC 30 min.			
Max. Temp. F	120				
Bit Size	9 7/8"	6 3/4"	6 3/4"	4 3/4"	4 3/4"
speg. AM	16"	40"	SENS. 300	SENS. 200	40"
MN	27.2"		T.C. 3	T.C. 2	
IND	40"				
Opr. Rig Time	2 HRS	1 1/2 HRS	2 HRS	2 1/2 HRS	2 HRS
Truck No.	2515 FARM	2515 FARM	2515 FARM	588 FARM	588 FARM
Recorded By	HAMILTON	COVEY	COVEY	NEVITT	NEVITT
Witness	HARRIS	HARRIS	HARRIS	HARRIS	HARRIS



SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



INDUCTION-ELECTRICAL
GAMMA RAY & INDUCTION

COUNTY SAN JUAN, N.M.
FIELD or LOCATION HUERFANO
WELL McADAMS #2
COMPANY W. R. WEAVER

COMPANY W. R. WEAVER

WELL McADAMS #2

FIELD HUERFANO

LOCATION SEC. 34-27N-10W

COUNTY SAN JUAN

STATE NEW MEXICO

Location of Well

1100' FR S/L
1010' FR E/L
SEC. 34-27N-10W

IND-ES GRL IND
(TEMP SG ML)

"TIGHT HOLE"

Elevation: D.F.---

K.B.---

or G.L.: 5655'

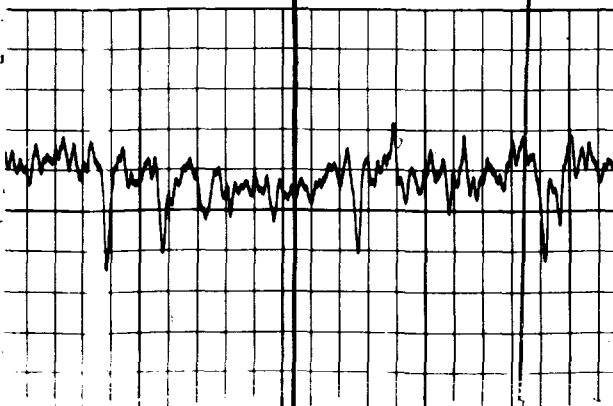
FILING No.

RUN No.	ONE I-ES	TWO IND	ONE GRL	THREE	TWO GRL
Date	2-28-58	3-14-58	3-14-58	3-16-58	3-15-58
First Reading	5005	6938	6940	7002	7011
Last Reading	213	5027	5027	6938	6940
Feet Measured	4792	1911	1913	64	71
Csg. Schlum.	213	5027	5027	--	--
Csg. Driller	200	5025	5025	--	--
Depth Reached	5011	6942	6942	7006	7013
Bottom Driller	5025	6942	6942	7032	7032
Depth Datum	KB	KB	KB	KB	KB
Mud Nat.	OIL EMUL	DRY GAS	DRILLED	DRY GAS	DRILLED
Density	10.7				
Viscosity	73				
Resist.	4.1 @ 64 F	@ F			
Res. BHT	2.2 @ 119 F	@ F		MAN 4 1359	
pH	-- " F	@ F		OIL CON. COM.	
Wtr. Loss	-- CC 30 min.	CC 30 min.		DIST. 3	
Max. Temp. F	119	172			
Bit Size	9 7/8"	6 3/4"	6 3/4"	6 3/4"	8 3/4"
S. C.S. AM	15"	27"	SENS. 600	27"	SENS. 600
IND	40"		T.C.		T.C.
Opr. Rig Time	2 HRS	1 1/2 HRS	2 HRS	2 1/2 HRS	2 1/2 HRS
Truck No.	1598 FARM	1598 FARM	1598 FARM	1588 FARM	1588 FARM
Recorded By	HANDLEY	NEVITT	NEVITT	NEVITT	NEVITT
Witness	HARRIS	HARRIS	BROWN	HARRIS	BROWN



5700

5800



B-D

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



INDUCTION-ELECTRICAL
GAMMA RAY LOG
INDUCTION LOG

COUNTY SAN JUAN, N.M.
FIELD or LOCATION ANGEL PEAK-GALLUP
WELL McADAMS #1
COMPANY W. R. WEAVER

COMPANY W. R. WEAVER

Location of Well
990' FR S/L
1650' FR N/L
SEC. 34-27N-10W

WELL McADAMS #4

IND-ES GRL IND
(TEMP)

FIELD ANGEL PEAK-GALLUP

LOCATION SEC. 34-27N-10W

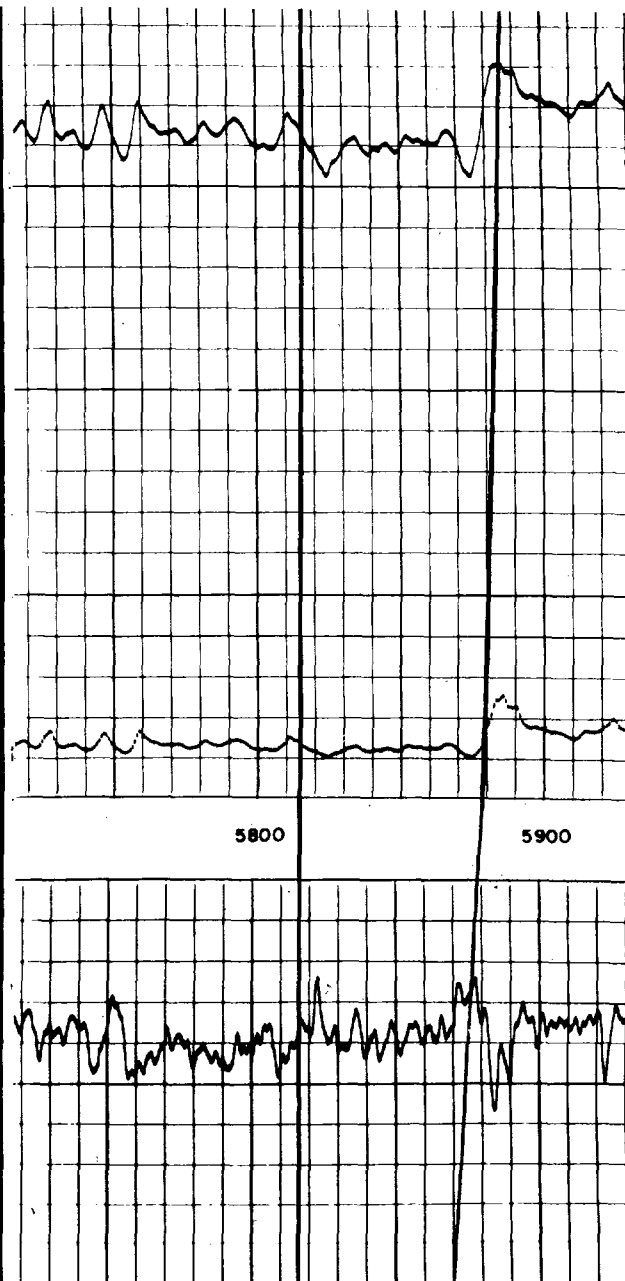
Elevation: D.F. ---
K.B.: 6716'
or G.L.: 6704'

COUNTY SAN JUAN

STATE NEW MEXICO

FILING No. _____

RUN No.	ONE I-ES	ONE GRL	ONE IND
Date	6-24-58	6-30-58	7-1-58
First Reading	5051	7107	7109
Last Reading	192	5000	5055
Feet Measured	4859	2107	2054
Csg. Schlum.	192	--	5055
Csg. Driller	136	--	5050
Depth Reached	5057	7115	7115
Bottom Driller	5050	7100	7100
Depth Datum	KB	KB	KB
Mud Nat.	CHEM GEL	GAS DRILLED	
" Density	5.5		
" Viscosity	100		
" Resist.	4.2 @ 77 F	@ F	
" Res. BHT	2.7 @ 121 F	@ F	
" pH	-- @	@ F	
" Wtr. Loss	-- CC 30 min.	CC 30 min.	
Max. Temp. F	121	180	180
Bit Size	9 7/8"	6 3/4"	6 3/4"
Spchs.	AM 16"		40"
Type Equip	IND 40"	GNAM-4	
Type Panel		GNP-C	
Opr. Rig Time	2 HRS	2 HRS	2 HRS
Truck No.	1588FARM	1559FARM	1559FARM
Recorded By	NEVITT	MATTHEWS	MATTHEWS
Witness	HARRIS	HARRIS	HARRIS



WELEX



RADIOACTIVITY
INDUCTION-ELECTRIC LOG

COMPANY EL PASO NATURAL GAS COMPANY

WELL HUERFANO UNIT NO. 103 (GD)

FIELD WILDCAT

COUNTY SAN JUAN STATE NEW MEXICO

Location
990 FNL &
1650 FWL

Other Logs
CONTACT-
CALIPER



EL PASO NATURAL
GAS COMPANY
HUERFANO UNIT
NO. 103 (GD)
WILDCAT
SAN JUAN
NEW MEXICO

WELEX



RADIOACTIVITY INDUCTION-ELECTRIC LOG

COMPANY EL PASO NATURAL
GAS COMPANY
WELL HUERFANO UNIT
NO. 103 (GD)
FIELD WILDCAT
SAN JUAN
COUNTY
NEW MEXICO
STATE
FILE

COMPANY EL PASO NATURAL GAS COMPANY
WELL HUERFANO UNIT NO. 103 (GD)
FIELD WILDCAT
COUNTY SAN JUAN STATE NEW MEXICO

Location
990 FNL &
1650 FWL

Other Logs
CONTACT
CALIPER

Sec. 3 Twp 26N 35E 10W

TEMPERATURE

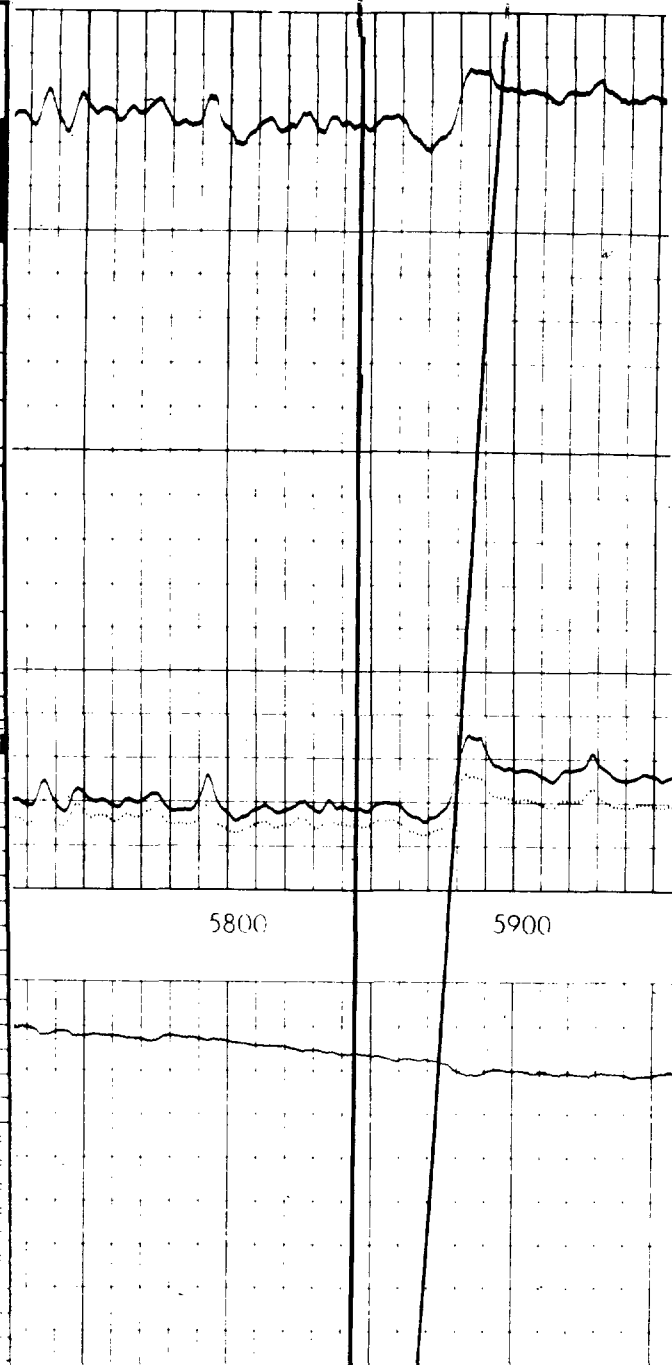
Elevation
KB. 6745'
DF. 6744'
GL. 6735'

Permanent Datum GROUND LEVEL
Log Measured From ROTARY KELLY BUSHING
Drilling Measured From ROTARY KELLY BUSHING

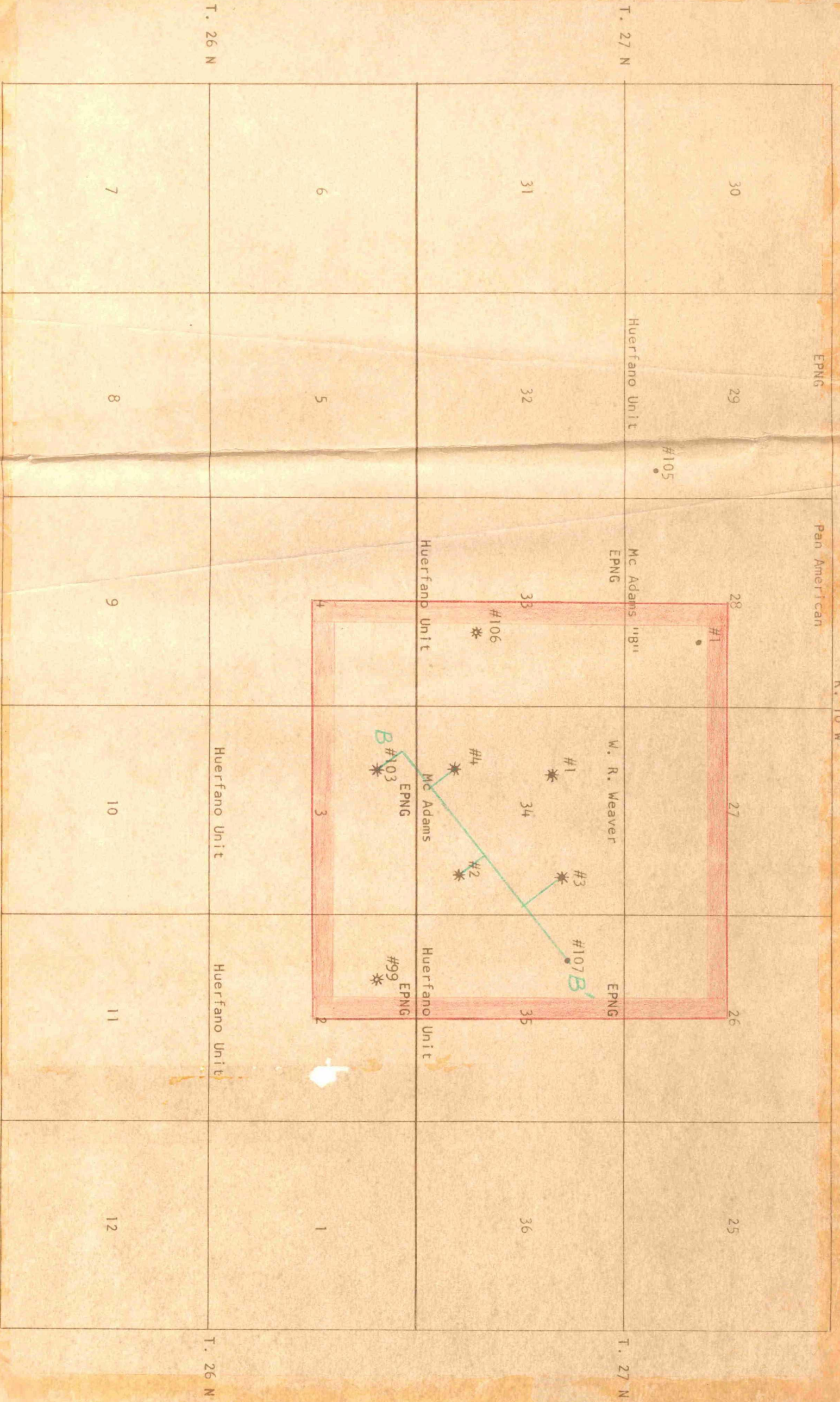
Run No.	ONE - ELEC	ONE - GAMMA	ONE - N-G	TWO - INDUCT
Date	11-18-58	11-22-58	11-22-58	11-22-58
Total Depth Driller	6445'	7020'	7020'	7020'
Total Depth Welex	6446'	7020'	7020'	7020'
Csg. Shoe Driller	362'	6450'	6450'	6450'
Csg. Shoe Welex	364'	6452'	6452'	6452'
Survey Begins	6441'	7022'	7022'	7022'
Survey Ends	800'	5850'	5850'	6452'
Csg. Size	10-3/4"	7-5/8"	7-5/8"	7-5/8"
Bit Size	9-7/8"	6-3/4"	6-3/4"	6-3/4"

Mud Data - Type WATER BASE GAS DRILLED
CHEMICAL GEL

Weight	10.0			
Viscosity	70			
Ph.	@ °F	@ °F	@ °F	@ °F
Wtr. Loss cc/ min.	@ °F	@ °F	@ °F	@ °F
Res. @ Surface Temp.	3.95 @ 64 °F	@ °F	@ °F	@ °F
Res. @ Max. Hole Temp.	2.2 @ 123 °F	@ °F	@ °F	@ °F
Rmf.	2.5 @ 63 °F	@ °F	@ °F	@ °F
Rmc.	3.85 @ 63 °F	@ °F	@ °F	@ °F
Source Mud Sample	CIRCULATED			
Recorded By	K. QUINT	QUINT	QUINT	QUINT
Witnessed By	MR. ULLRICH	MR. FOLK	MR. FOLK	MR. FOLK
Logging Tool No.	9406			



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ILLEGIBLE