

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Induction-Electrical Log

COUNTY <u>SAN JUAN</u> FIELD or LOCATION <u>HORSESHOE CANYON</u> WELL <u>NAVAJO # 7</u> COMPANY <u>ATLANTIC REFG. CO.</u>	COMPANY <u>ATLANTIC REFG.</u>	Other Surveys <u>SL</u>
	<u>CORP.</u>	Location of Well
	WELL <u>NAVAJO # 7</u>	1980' FR N/L - 2067' FR W/L SEC. 30-31N-16W
	FIELD <u>HORSESHOE CANYON</u>	Elevation: D.F.: K.B.: 5708 or G.L.: 5701
	LOCATION <u>SEC. 30-31N-16W</u>	FILING No. _____
	COUNTY <u>SAN JUAN</u>	
	STATE <u>NEW MEXICO</u>	

RUN No.	ONE				
Date	10-22-58				
First Reading	1599				
Last Reading	132				
Feet Measured	1467				
Csg. Schlum.	132				
Csg. Driller	132				
Depth Reached	1605				
Bottom Driller	1602				
Depth Datum	KB				
Mud Nat.	OIL				
Dens. Visc.	8.8 45				
Mud Resist.	2.2 @ 57°F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.5 @ 85°F	@ °F	@ °F	@ °F	@ °F
Rmf	-- @ °F	@ °F	@ °F	@ °F	@ °F
Rmc	-- @ °F	@ °F	@ °F	@ °F	@ °F
" pH	-- @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	-- CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	7 7/8"				
Spcgs.—AM	16"				
IND.	40"				
Opr. Rig Time	1 HR.				
Truck No.	2516 FARM.				
Recorded By	HAMILTON				
Witness	JESSUP				

FOLD HERE

THE ATLANTIC REFINING COMPANY
Log of Well No. 7

HORSESHOE-GALLUP UNIT
San Juan County, New Mexico

EXHIBIT NO. 4

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Induction-Electrical Log

COUNTY SAN JUAN
 FIELD or LOCATION HORSESHOE GALLUP
 WELL NAVAJO 5
 COMPANY ATLANTIC REFINING COMPANY

COMPANY ATLANTIC REEF. CO.

WELL NAVAJO # 5

FIELD HORSESHOE GALLUP

LOCATION SEC. 30-31N-16W

COUNTY SAN JUAN

STATE NEW MEXICO

Other Surveys

SL

Location of Well

660' FR S/L
 660' FR E/L
 SEC. 30-31N-16W

Elevation: D.F.:
 K.B.: 5460
 or G.L.: 5452.5

FILING No. _____

RUN No.	ONE				
Date	10-10-58				
First Reading	1313				
Last Reading	106				
Feet Measured	1207				
Csg. Schlum.	106				
Csg. Driller	106				
Depth Reached	1317				
Bottom Driller	1317				
Depth Datum	KB				
Mud Nat.	GEL - OIL				
Dens. Visc.	9.0 47				
Mud Resist.	2.2 @ 68 °F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.8 @ 83 °F	@ °F	@ °F	@ °F	@ °F
Rmf (C)	1.5 @ 83 °F	@ °F	@ °F	@ °F	@ °F
Rmc (C)	1.7 @ 83 °F	@ °F	@ °F	@ °F	@ °F
" pH	-- @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	-- CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Bit Size	7 7/8"				
Spcgs.—AM	16"				
IND.	40"				
MN	27' 2"				
Opr. Rig Time	1 HR.				
Truck No.	2517 FARM.				
Recorded By	MATTHEWS				
Witness	MORRIS				

THE ATLANTIC REFINING COMPANY
 Log of Well No. 5

HORSESHOE GALLUP UNIT