Schlumberger

BOREHOLE COMPENSATED SONIC LOG

COUNTY	GALLIA
FIELD	WILDCAT
LOCATION	--------
WELL	S. CARPENTER #1-5
COMPANY	MITCHELL ENERGY CORPORATION

COMPANY MITCHELL ENERGY CORPORATION

WELL S. CARPENTER #1-5

FIELD WILDCAT

COUNTY GALLIA STATE OHIO

LOCATION 320' NL & 1080' WL OF 12 (E)

API SERIAL NO. 482 SEC. 12 TWP. WALNUT RANGE

Other Services: FDC-CNL-GR, DL-SFL-GR, MLL-, FIL

Permanent Datum: GROUND LEVEL ; Elev.: 748

Log Measured From K.B. 11 Ft. Above Perm. Datum

Drilling Measured From K.B.

Elev.: K.B. 759 D.F. - G.L. 748

Date	9-23-79	
Run No.	ONE	
Depth—Driller	2845	
Depth—Logger (Schl.)	2848	
Btm. Log Interval	2846	
Top Log Interval	-	
Casing—Driller	8⅝ @ 509	@
Casing—Logger	508	
Bit Size	7⅞	
Type Fluid in Hole	WATER	
Dens. / Visc.	8.7 / 28	
pH / Fluid Loss	8 / 9.2 ml	ml
Source of Sample	MUD PIT	
Rm @ Meas. Temp.	.345 @ 65 °F	@ °F
Rmf @ Meas. Temp.	- @ °F	@ °F
Rmc @ Meas. Temp.	- @ °F	@ °F
Source: Rmf / Rmc	- /	
Rm @ BHT	- @ °F	@ °F
TIME: Circulation Stopped	1200	
TIME: Logger on Bottom	1800	
Max. Rec. Temp.	89 °F	°F
Equip. / Location	7702 / ST. ALBANS	
Recorded By	POWELL	
Witnessed By Mr.	ASHBROOK	

U. S. DEPARTMENT OF ENERGY
MORGANTOWN ENERGY TECHNOLOGY CENTER
c/o EASTERN GAS SHALES PROJECT
P. O. BOX 880
MORGANTOWN, W.VA. 26505

FOLD HERE The well name, location and borehole reference data were furnished by the customer.

Run No.	ONE
Service Order No.	70869
Fluid Level	FULL

EQUIPMENT DATA

Sonic Panel No.	-
Sonic Cart No.	234
Sonic Sonde No.	1191
Mem. Panel No.	569
G.R. Cart. No.	694
G.R. Panel No.	569
Caliper No.	1369
TTR No.	1975
Centralizers: No.	1
Type	CME-Z
Standoffs: No.	-
Type	-
Time Const.-Sec.	2
Speed - F.P.M.	3600

CALIBRATION DATA

GR	BKG. CPS	30
	Source CPS	240
	Tc Sec	AUTO

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

LOGGING DATA

Porosity Selectors				Depth	
Δtm	Δtf	Cp	Ø Scale	From	To

REMARKS: SONIC CYCLE SKIPPING 1020-1101. 5" FILM RUN OVER CORED INTERVAL. UPPER SECTION OF HOLE (ABOVE BEREA) DRILLED WITH HIGH WATER LOSS FRESH MUD. MUD WAS CONVERTED TO A LOW WATER LOSS 3% KCL AND DRILLED TO TD WITH THIS SYSTEM.

Velocity (ft/sec) = 1,000,000 / Interval Transit Time (microseconds per foot)

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

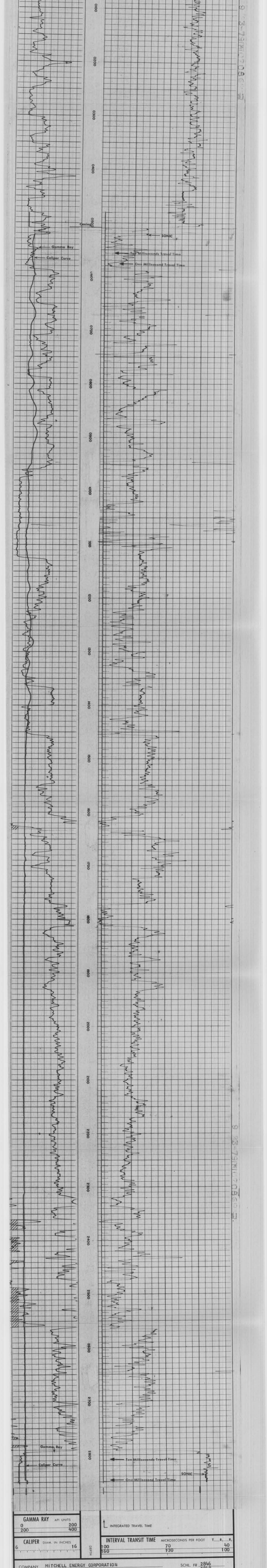
CALIPER DIAM. IN INCHES 6 — 16

GAMMA RAY API UNITS 0 — 200 / 200 — 400

DEPTH

INTERVAL TRANSIT TIME MICROSECONDS PER FOOT 100 — 70 — 40 / 160 — 130 — 100

INTEGRATED TRAVEL TIME



GAMMA RAY API UNITS 0 — 200 / 200 — 400

CALIPER DIAM. IN INCHES 6 — 16

INTEGRATED TRAVEL TIME

INTERVAL TRANSIT TIME MICROSECONDS PER FOOT 100 — 70 — 40 / 160 — 130 — 100

COMPANY MITCHELL ENERGY CORPORATION

WELL S. CARPENTER #1-5

FIELD WILDCAT

COUNTY GALLIA STATE OHIO

SCHL. FR 2846
SCHL. TD 2848
DRLR. TD 2845

Elev: KB 759 DF - GL 748

DETAIL LOG

5" = 100'

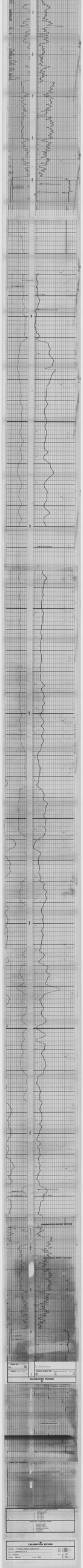
CALIPER DIAM. IN INCHES 6 — 16

GAMMA RAY API UNITS 0 — 200 / 200 — 400

DEPTH

INTERVAL TRANSIT TIME MICROSECONDS PER FOOT 100 — 70 — 40 / 160 — 130 — 100

INTEGRATED TRAVEL TIME


CALIBRATION RECORD
CALIBRATION RECORD
CALIBRATION RECORD