

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

GEOPHYSICAL LOGS FOR CAMPBELL AND CONVERSE  
COUNTIES, WYOMING

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Chapter E of  
Preliminary Report of 1977 Coal Drilling in  
Eastern Montana and Northeastern Wyoming

By U.S. Geological Survey  
and  
Montana Bureau of Mines and Geology

Open-File Report 77-721-E

1978

This report has not been edited  
for conformity with Geological  
Survey editorial standards or  
stratigraphic nomenclature.

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## EXPLANATION OF DRILL-HOLE LOCATIONS

The location of a drill hole within a section is identified on the logs by a letter-designated tract system and by footage from section lines. Each section is subdivided into four quadrants, with the north-east quadrant designated as A, and continuing counterclockwise to D. Each quadrant is then subdivided into four equal parts with a similar letter designation. This is repeated until a section is subdivided into 256 units. Using this system, the largest subdivision in a section is listed first. For example, a tract designation of ABCD would be located in the  $SE\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}NE\frac{1}{4}$  of the section.

PRELIMINARY REPORT OF 1977 COAL DRILLING IN EASTERN MONTANA  
AND NORTHEASTERN WYOMING

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GEOPHYSICAL LOGS FOR CAMPBELL AND CONVERSE COUNTIES, WYOMING

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INTRODUCTION AND ACKNOWLEDGMENTS

This report is the fifth chapter on the 1977 drilling program (hole nos. 77200-77290) conducted by the Montana Bureau of Mines and Geology (MBMG), under Grant No. 14-08-0001-G-441 from the U.S. Geological Survey (USGS), in eastern Montana and northeastern Wyoming. The sixth and final chapter is being released concurrently with this chapter.

The drilling was done as part of a USGS program to evaluate and classify mineral lands in the public domain. Similar information from 906 drill holes and approximately 200 coal samples from the same areas and from western North Dakota was presented in earlier reports (USGS/MBMG 1973, 1974, 1976a, 1976b, 1977a, 1977b, 1977c, 1978a, 1978b; USGS/NDGS 1976, 1977; and Kistner, 1977).

This report includes only geophysical logs. Core samples from some of the holes have been submitted to the U.S. Bureau of Mines for proximate analyses, determination of Btu/lb values, and form of sulfur present.

Fieldwork was carried out by the following MBMG personnel: Robert E. Matson, Chief, Energy Division; and E. Woods, K. Williams, D. Mattucci, and L. Sauer, technicians. Geophysical logging assistance was provided by R. Babcock, R. Hobbs, and F. Kistner, USGS. Coordination and technical guidance were provided by Robert E. Matson, MBMG, and Elmer M. Schell, USGS.

# Montana College of Mineral Science and Technology

Hole no: US-77200 Map: Betty Reservoir Date: 8/16/77 State: Wyoming County: Converse

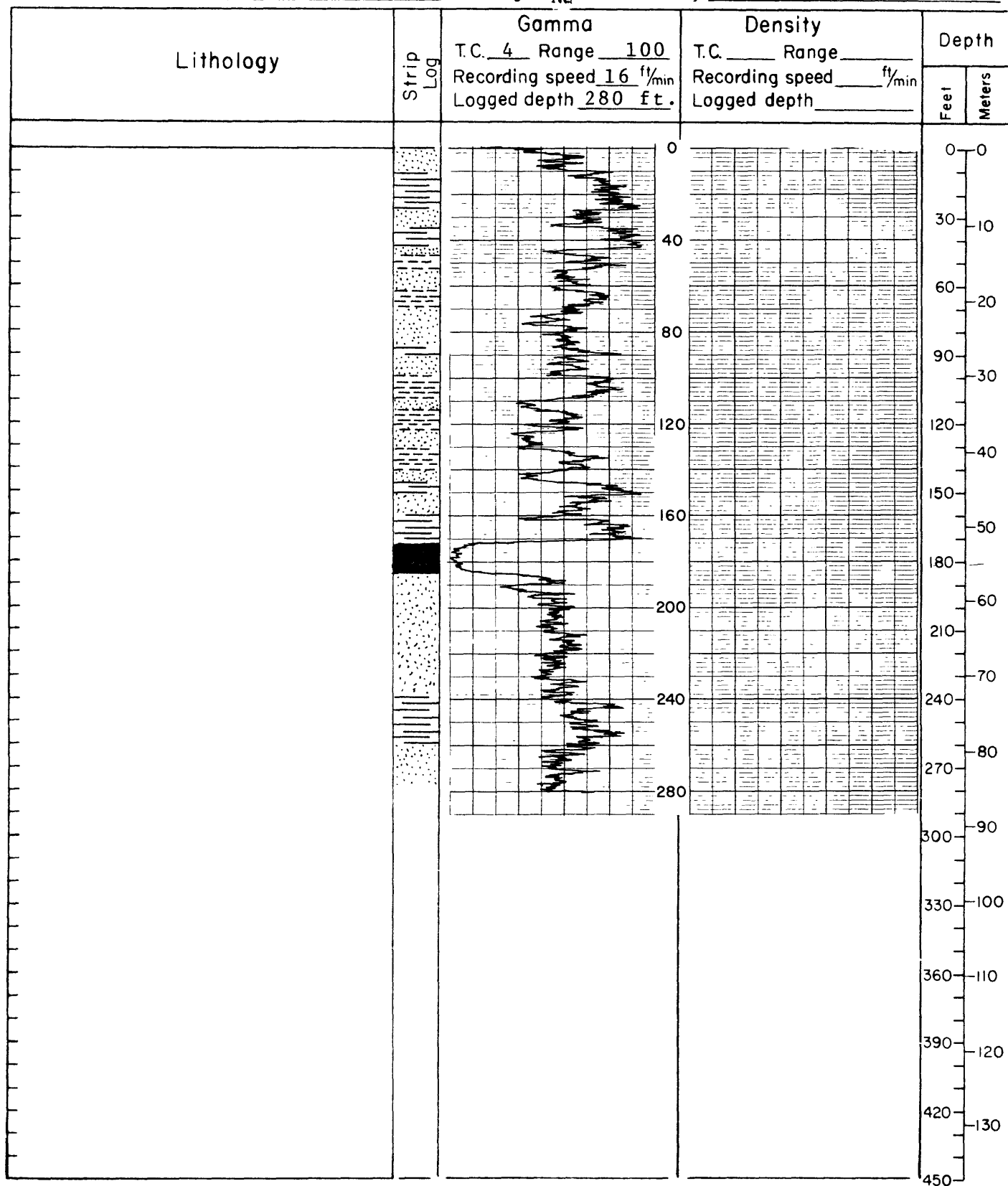
Elev.: 4872 ft Location: T. 40 N. R. 71 E. Sec. 21, Tract BACB Drilled depth: 280 ft

Measured: 810 ft <sup>FNL</sup> 1450 ft <sup>FWL</sup> Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: E. WOODS

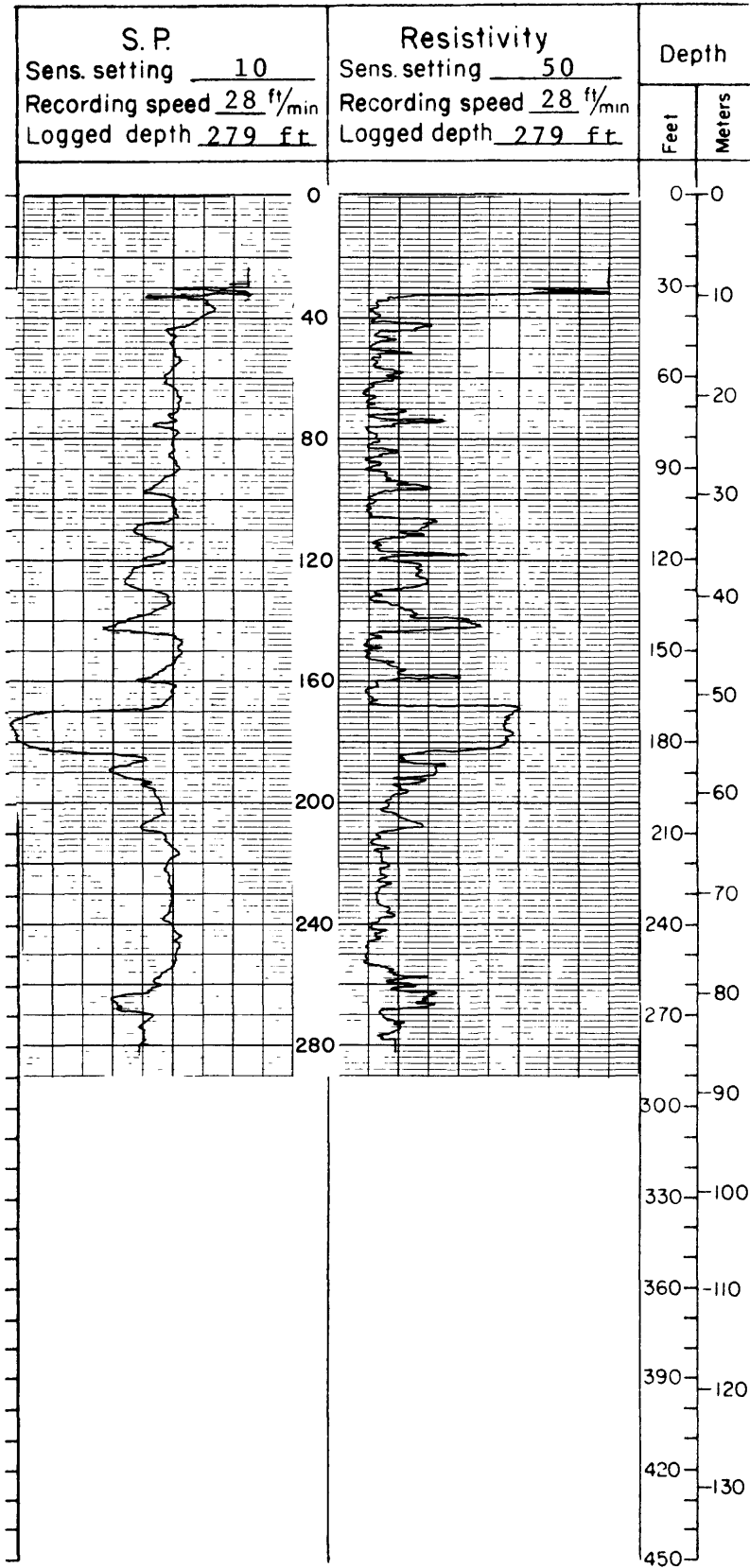
Geologist <sup>YES</sup> ~~NO~~ Recorded by: F. KISTNER





# Hole number (continued)

US-77200



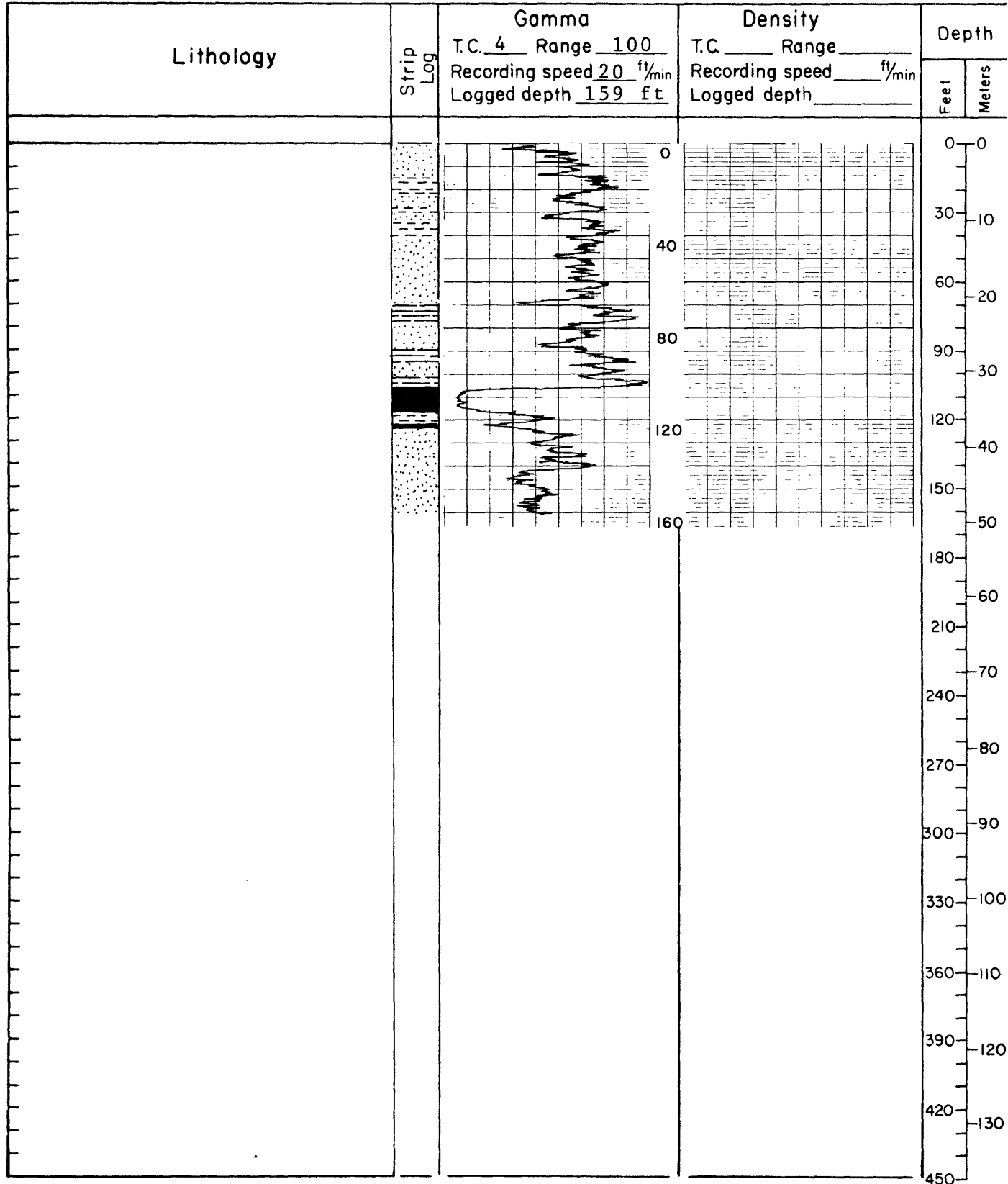
**MONTANA BUREAU OF MINES AND GEOLOGY**  
**Montana College of Mineral Science and Technology**

Hole no: US-77201 Map: Betty Reservoir Date: 8/16/77 State: Wyoming County: Converse  
 Elev.: 4877 ft Location: T. 39 N, R. 71 W, Sec. 6, Tract BBBC Drilled depth: 160 ft  
 Measured: 590 ft <sup>FNL</sup> 120 ft <sup>FWL</sup> ~~590 ft~~ Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

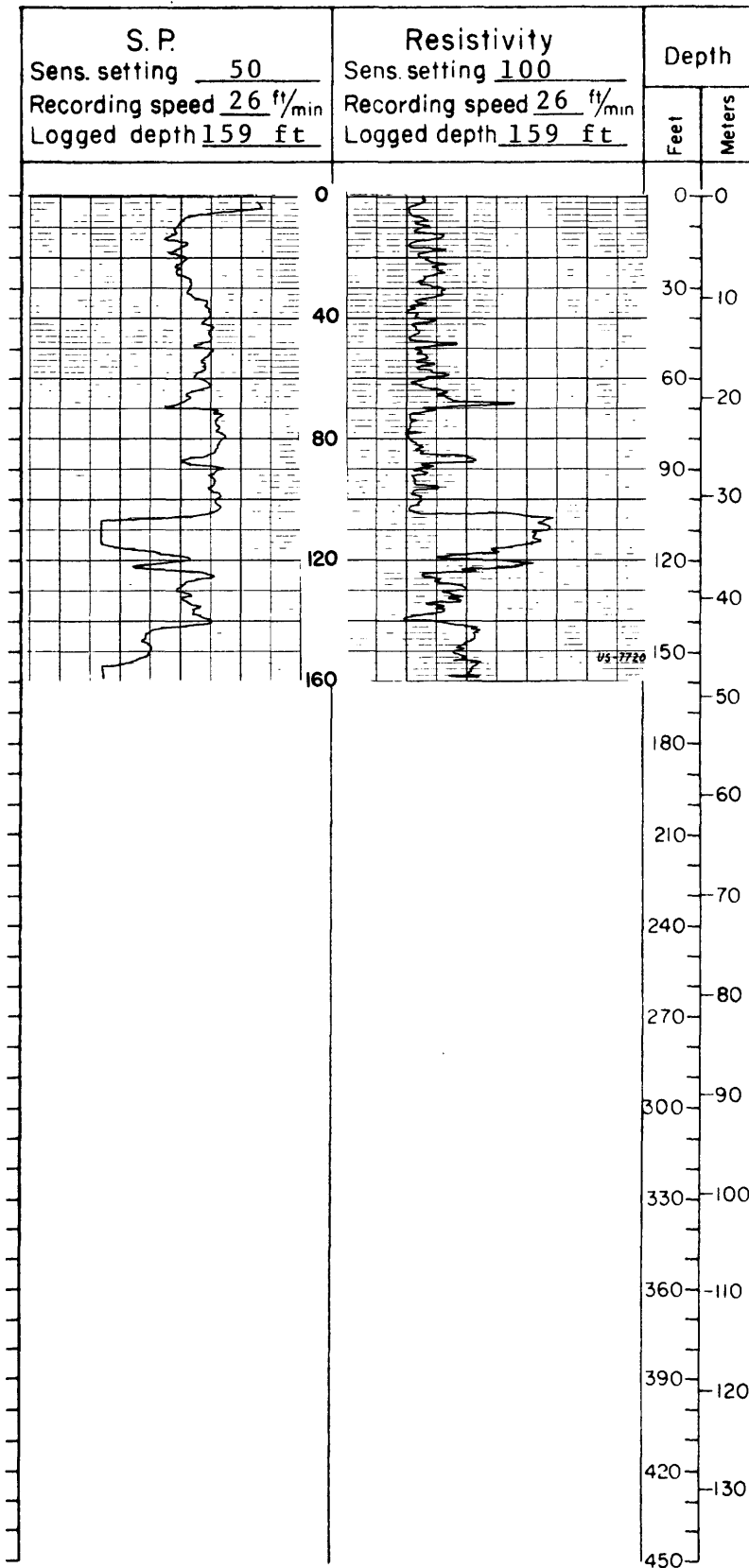
Recorded by: E. WOODS

Geologist: ~~YES~~ NO Recorded by: F. KISTNER



# Hole number (continued)

US-77201



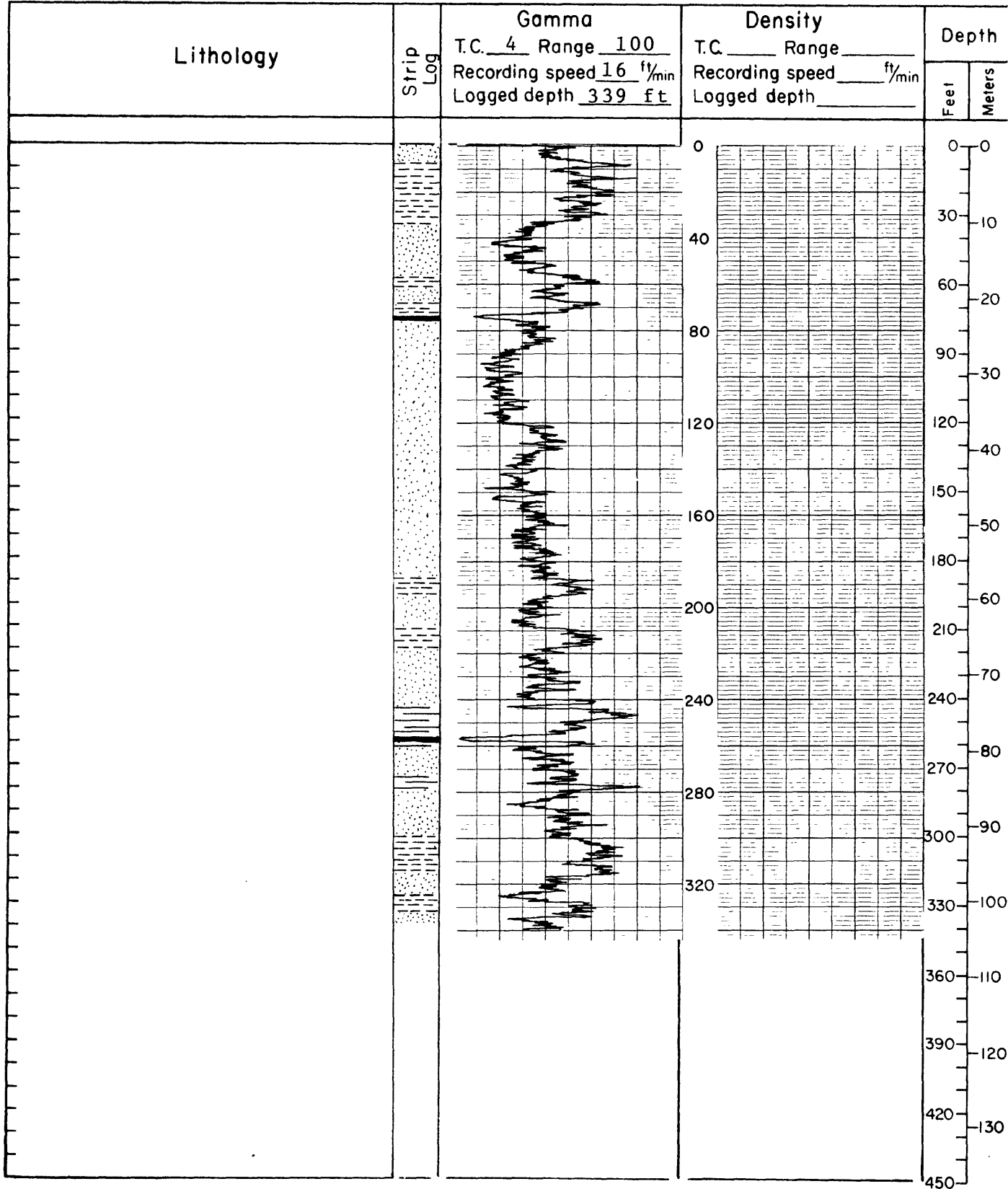
**MONTANA BUREAU OF MINES AND GEOLOGY**  
**Montana College of Mineral Science and Technology**

Hole no: US-77202 Map: Betty Reservoir Date: 8/17/77 State: Wyoming County: Converse  
 Elev: 3832 ft Location: T. 39 N. R. 72 E. Sec. 3, Tract DBDC Drilled depth: 340 ft  
 Measured: 1440 ft <sup>FSL</sup> 1950 ft <sup>FWL</sup> Hole size 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

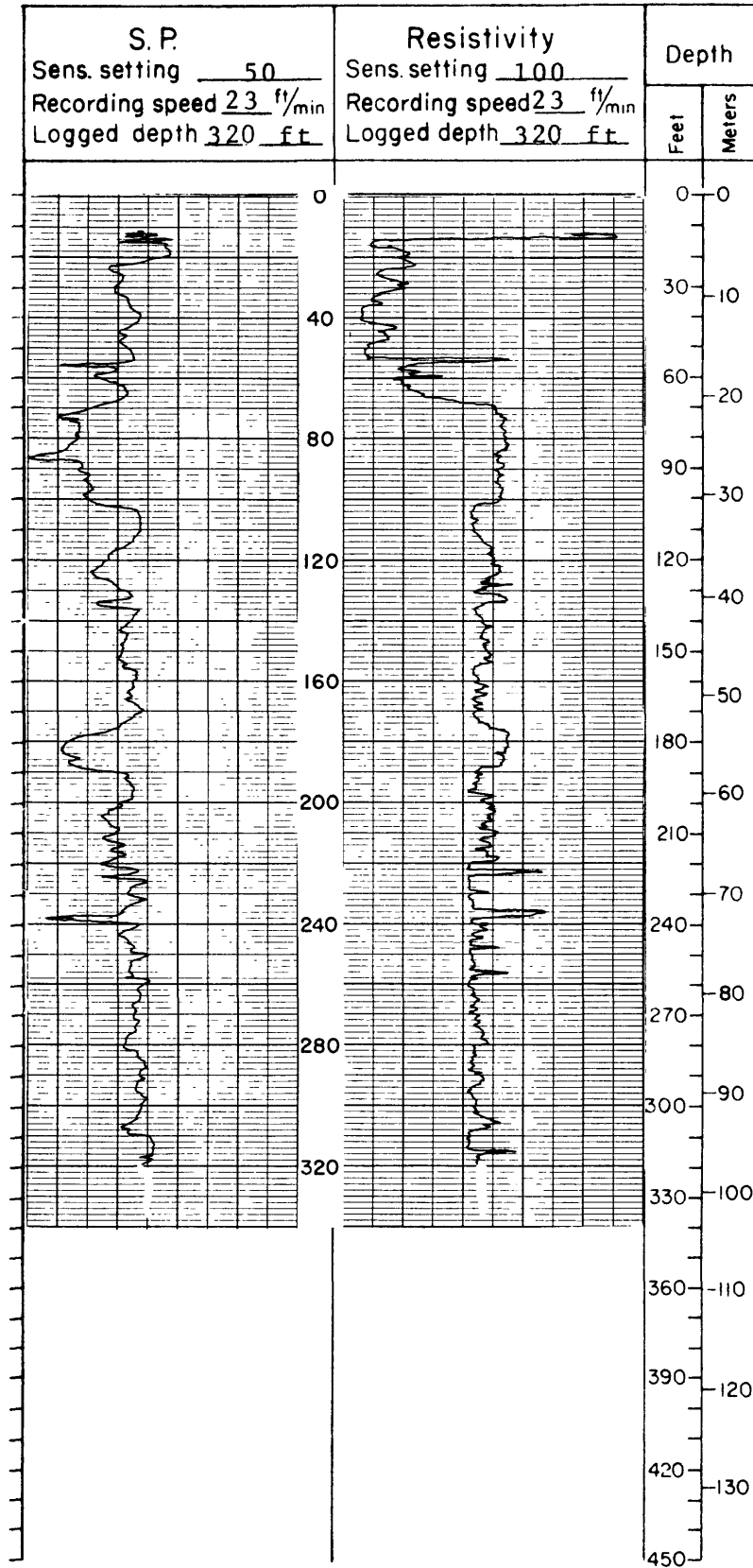
Recorded by: E. WOODS

Geologist <sup>Yes</sup> ~~No~~ Recorded by: F. KISTNER



# Hole number (continued)

US-77202



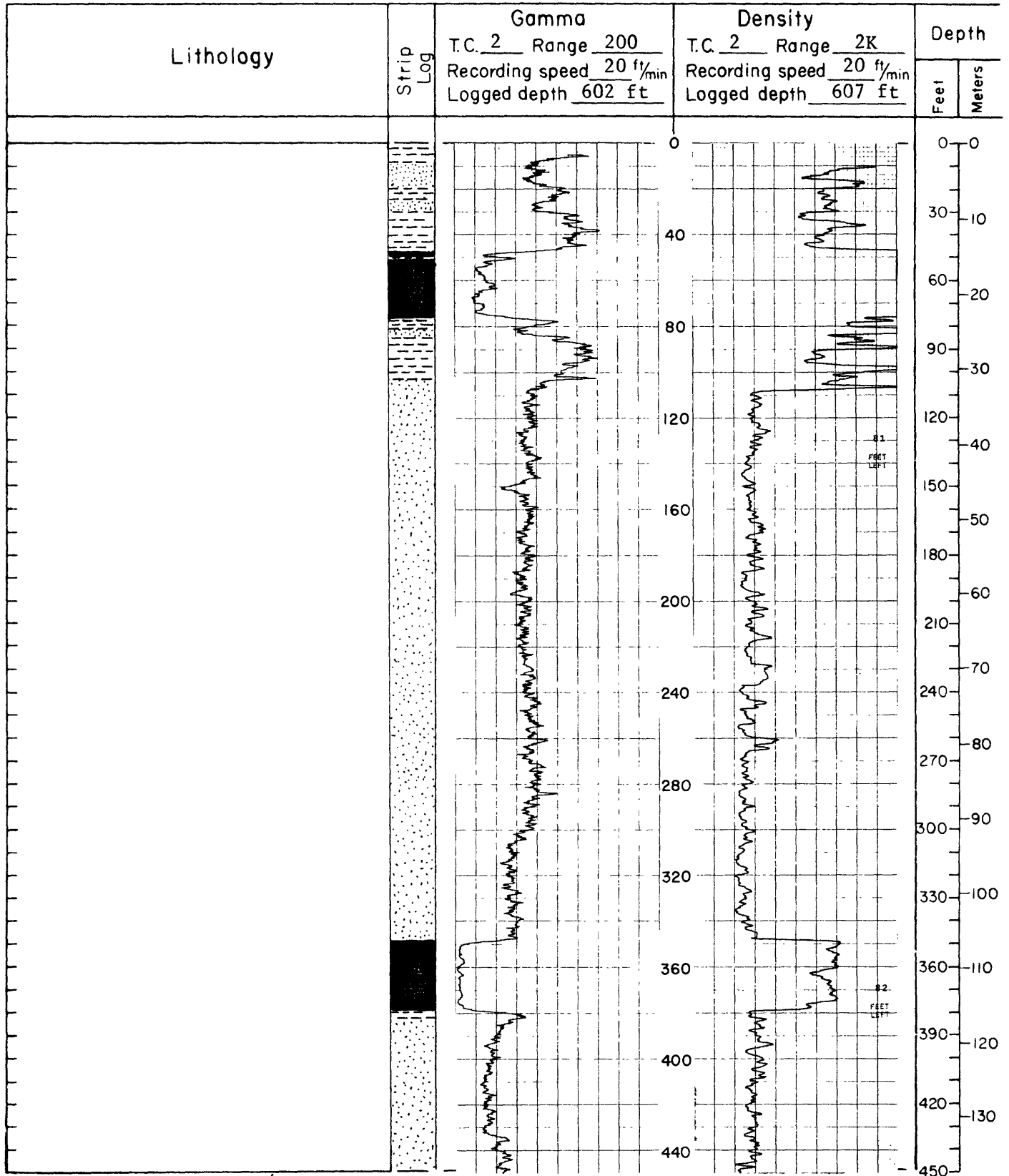
# Montana College of Mineral Science and Technology

Hole no: US-77203 Map: Calf Creek Date: 11/5/77 State: Wyoming County: Campbell  
 Elev: 4315 ft Location: T. 52 N. 8, R. 72 W, Sec. 5, Tract CDCC Drilled depth: 610 ft  
 Measured: 50 ft ~~FSL~~ 1550 ft ~~FWL~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

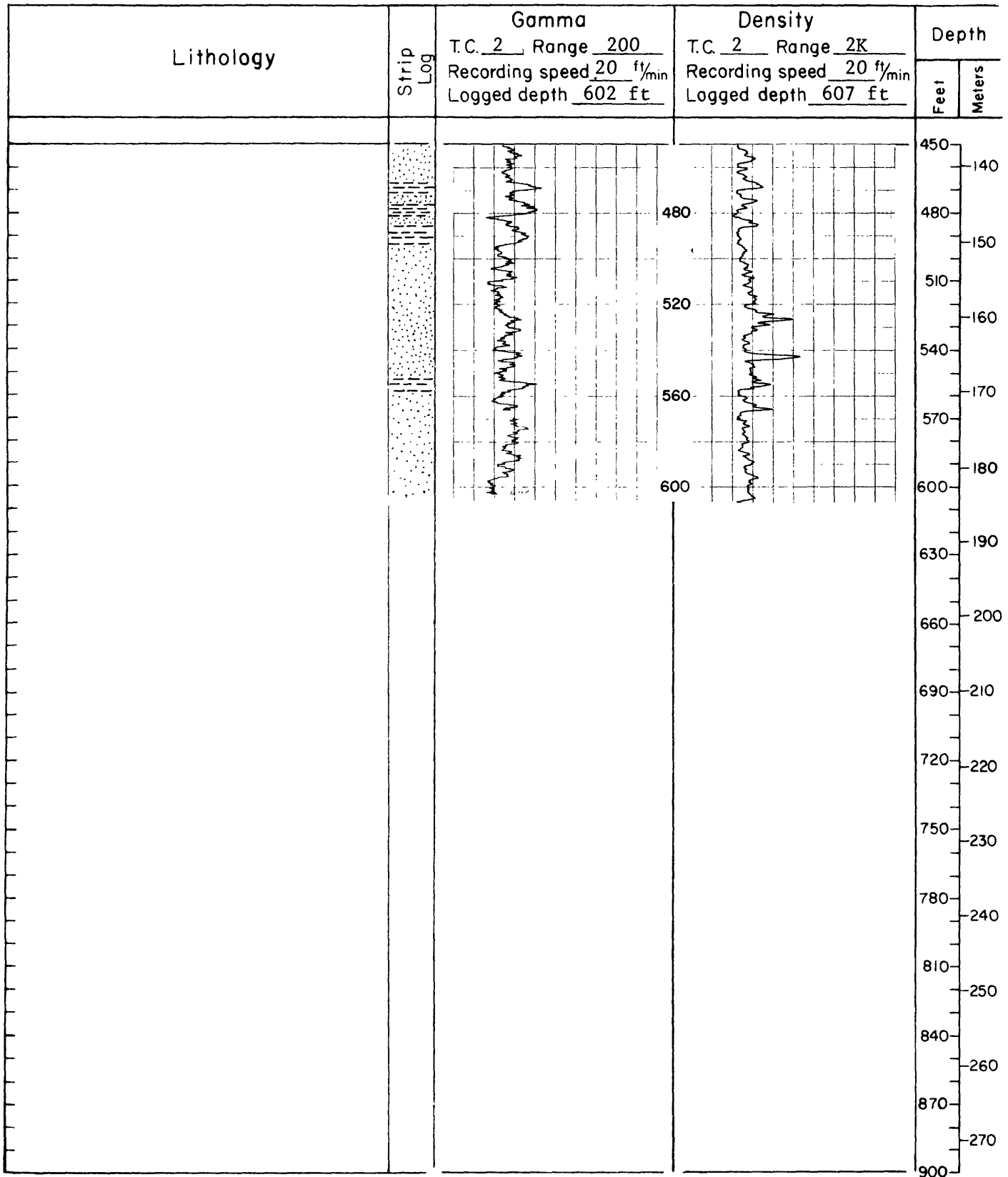
Recorded by: K. WILLIAMS

Geologist ~~YES~~ No Recorded by: L. SAUER



Hole number (continued)

US - 77203



# Montana College of Mineral Science and Technology

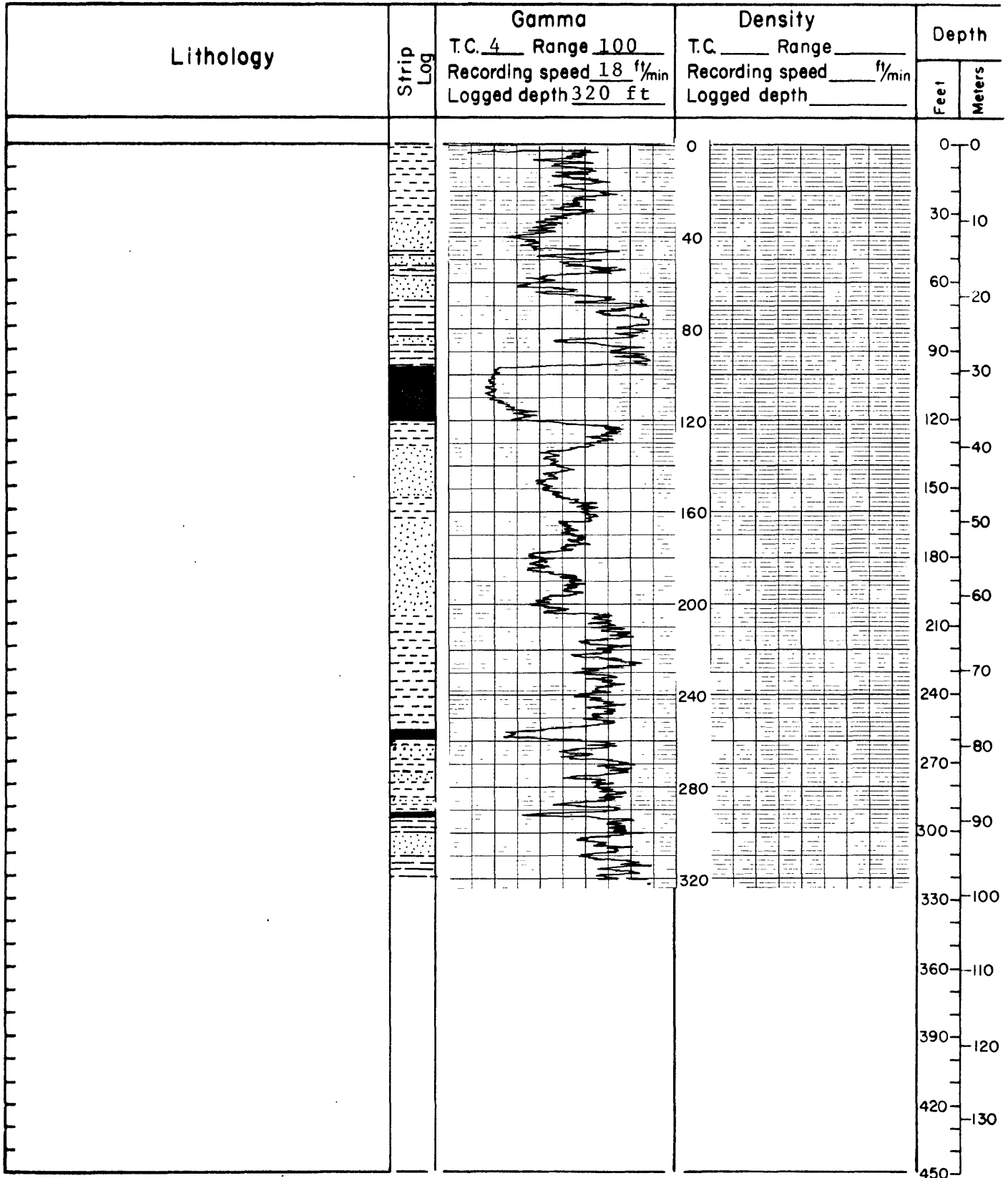
Hole no: US-77204 Map: Betty Reservoir Date: 8/17/77 State: Wyoming County: Converse  
 Elev.: 4703 ft Location: T. 40 N. R. 72 W. Sec. 1, Tract Irreg. Sec. Drilled depth: 320 ft  
 Measured: 300 ft ~~RKX~~ FSL, 1610 ft ~~FEL~~ ~~XX~~ Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: E. WOODS

Geologist ~~Yes~~  
No

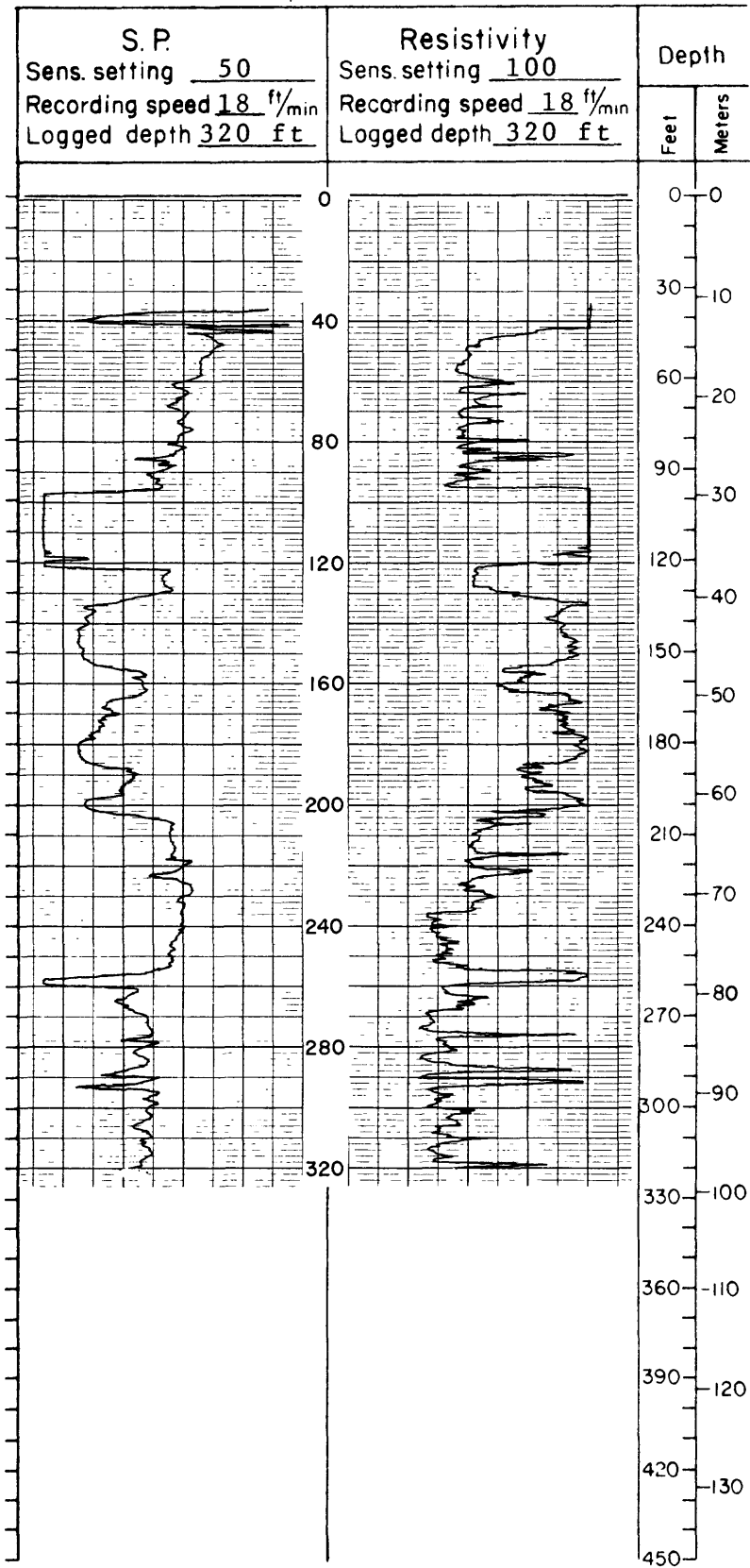
Recorded by: F. KISTNER





Hole number (continued)

US-77204



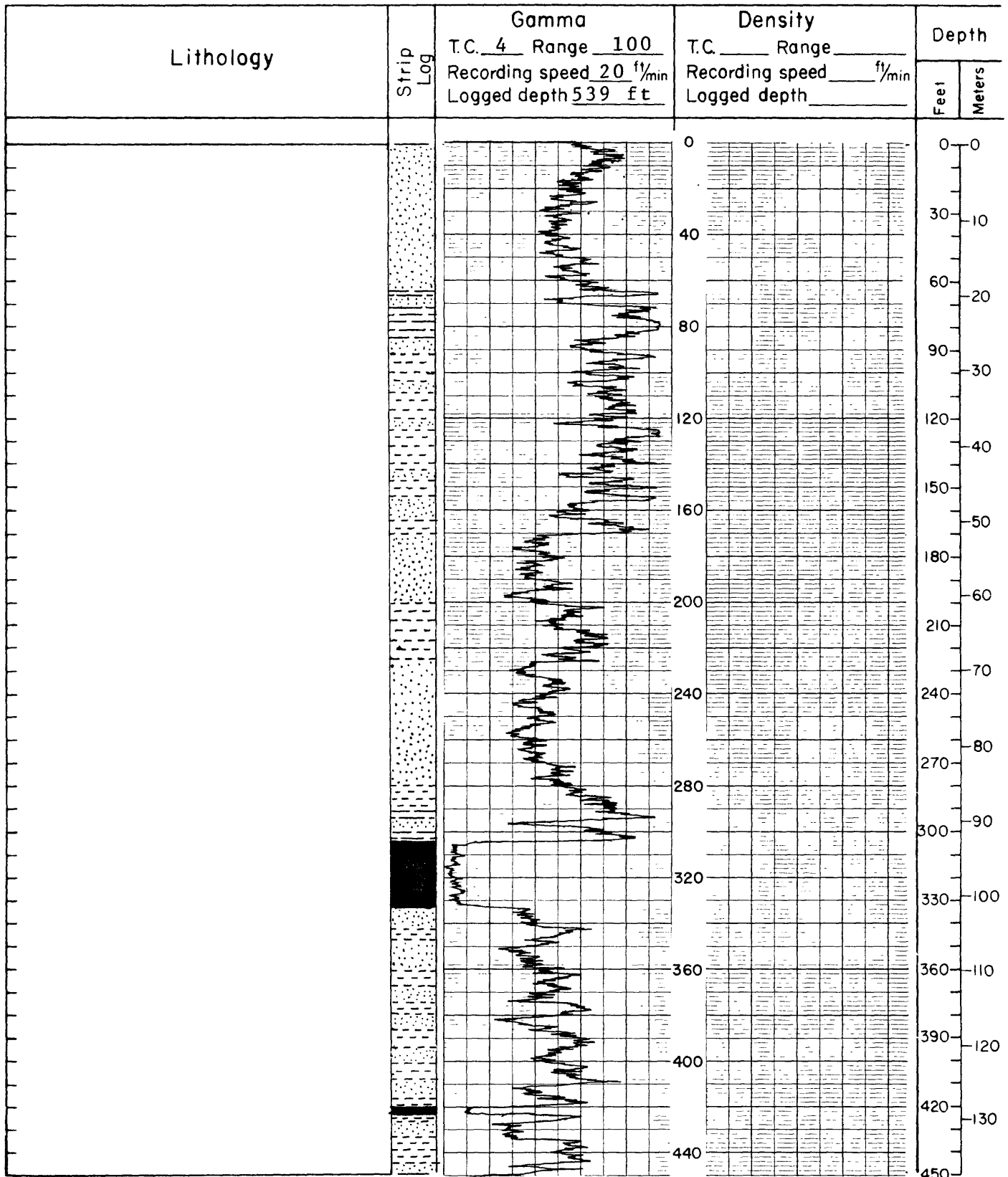
# Montana College of Mineral Science and Technology

Hole no: US-77205 Map: Betty Reservoir Date: 8/17/77 State: Wyoming County: Converse  
 Elev: 4786 ft Location: T. 41 N. R. 72 W. Sec. 34, Tract DCCA Drilled depth: 540 ft  
 Measured: 600 ft <sup>RMK</sup> FSL, 2000 ft <sup>FEL</sup> RMK Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

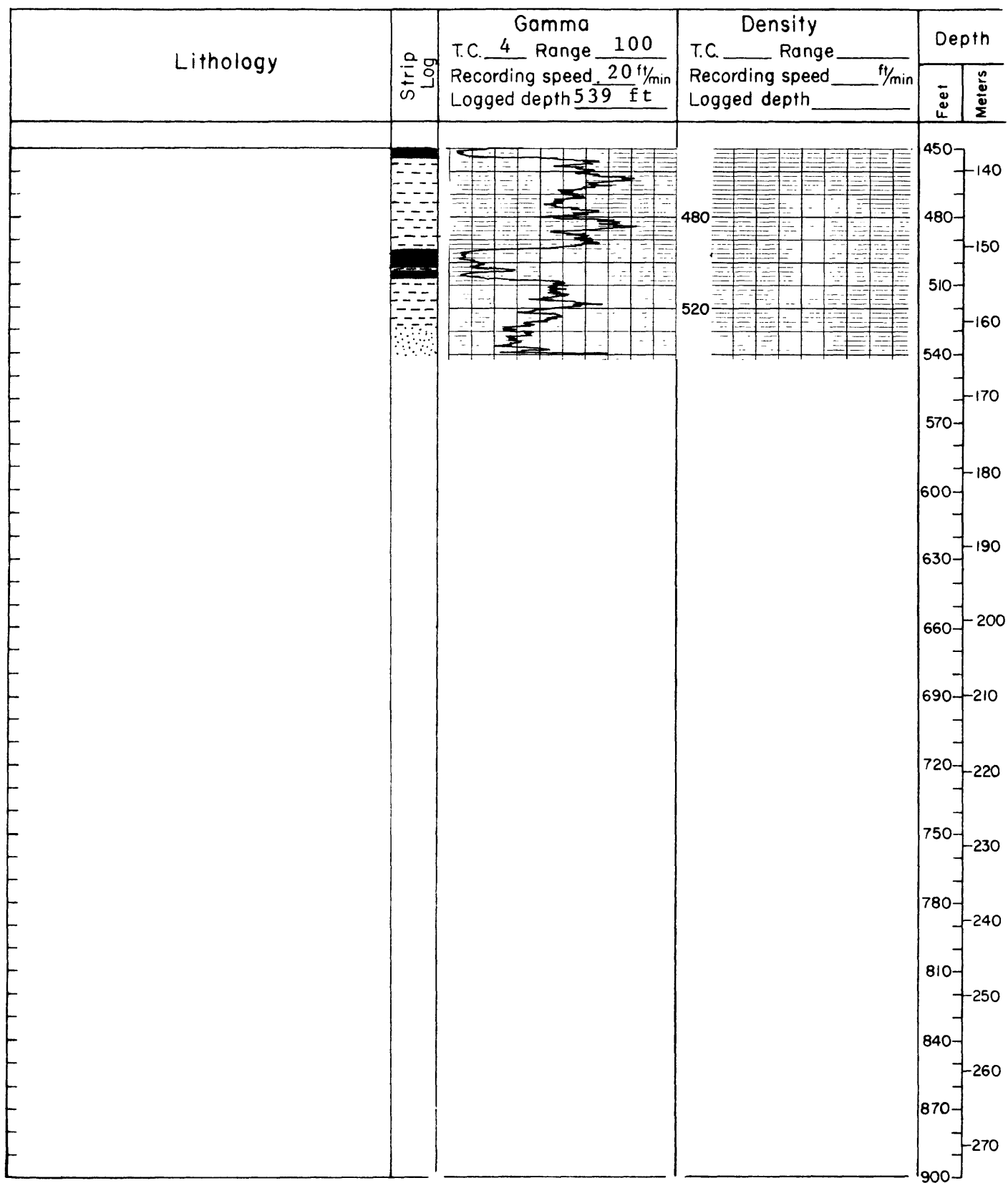
Recorded by: E. WOODS

Geologist No Recorded by: F. KISTNER



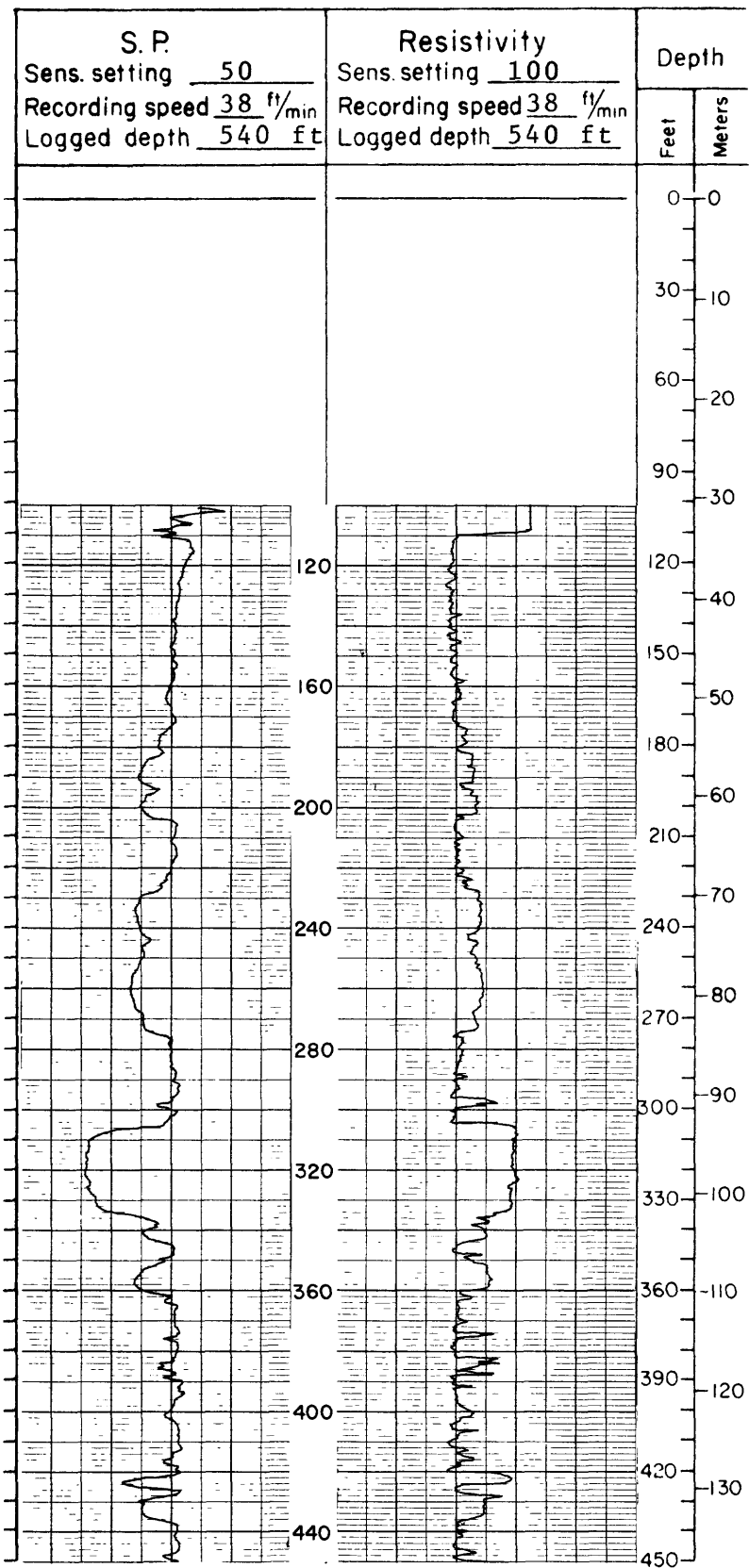
Hole number (continued)

US - 77205



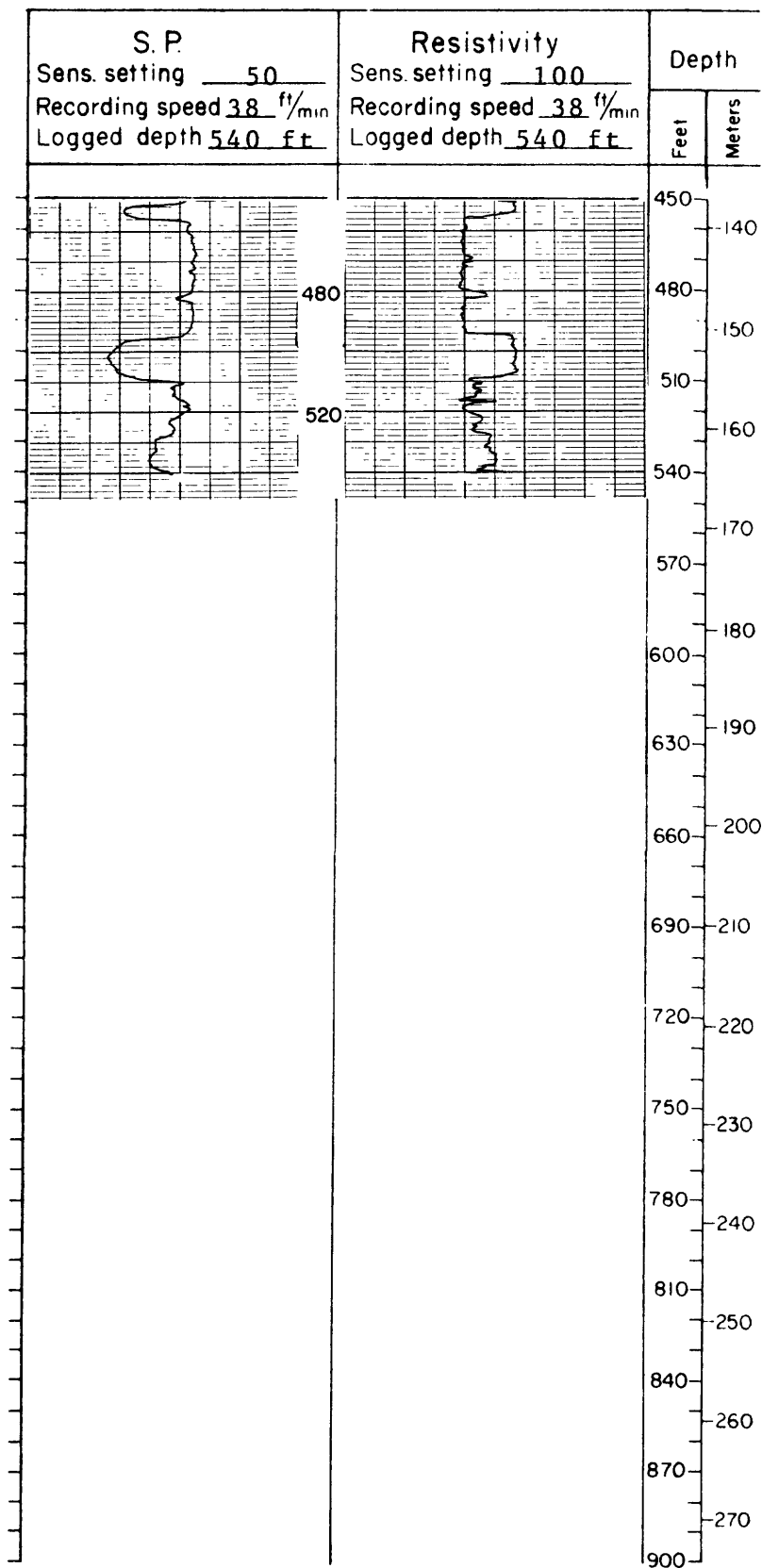
Hole number (continued)

US-77205



Hole number (continued)

US - 77205



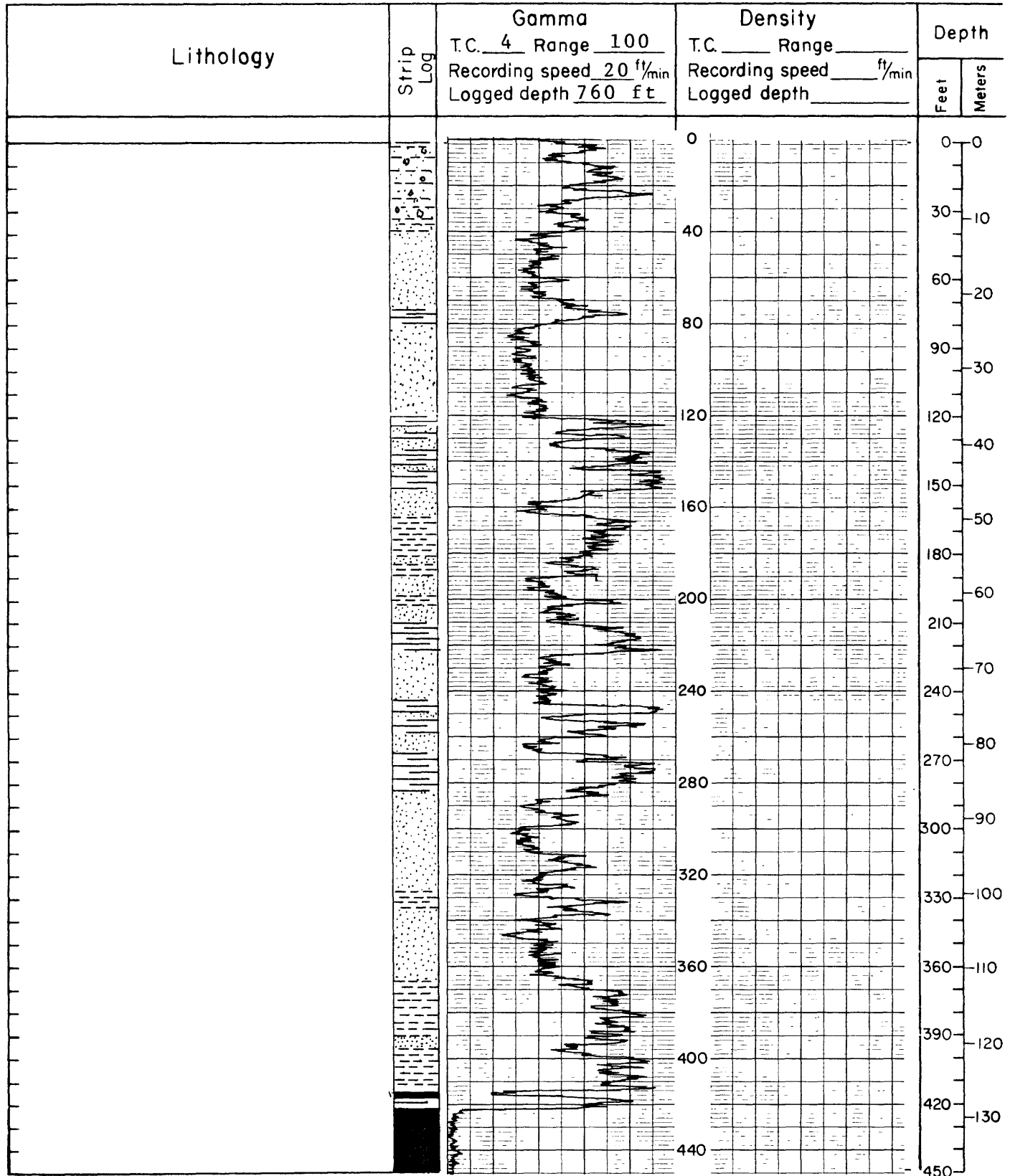
# Montana College of Mineral Science and Technology

Hole no: US-77206 Map: Teckla SW Date: 8/13/77 State: Wyoming County: Campbell  
 Elev. 4834 ft Location: T. 41 N., R. 72 W., Sec. 27, Tract BAAA Drilled depth: 760 ft  
 Measured: 200 ft <sup>FNL</sup> ~~2900~~ ft <sup>FEL</sup> ~~5000~~ ft Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

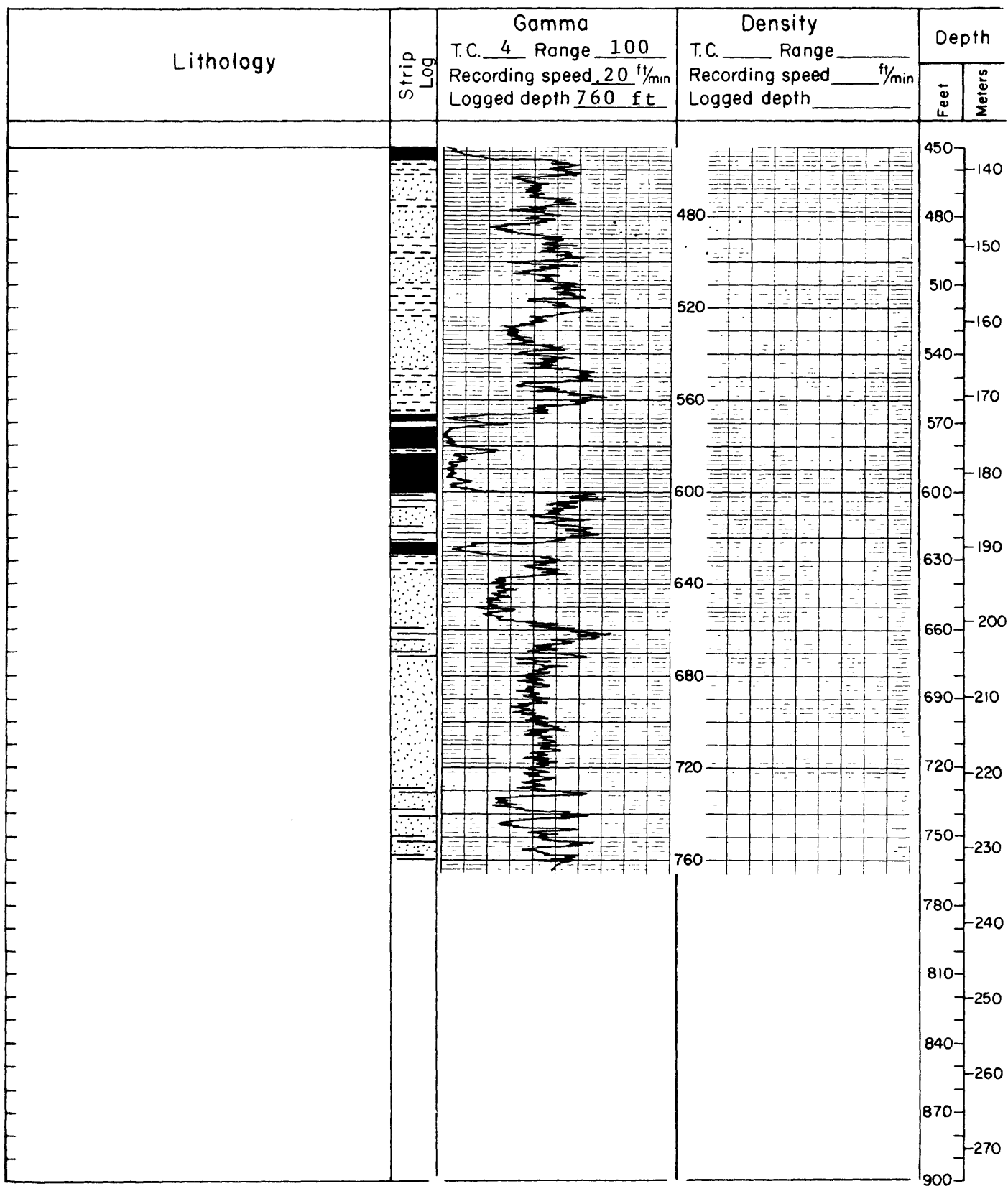
Recorded by: D. MATTUCCI

Geologist ~~NS~~ Recorded by: F. KISTNER



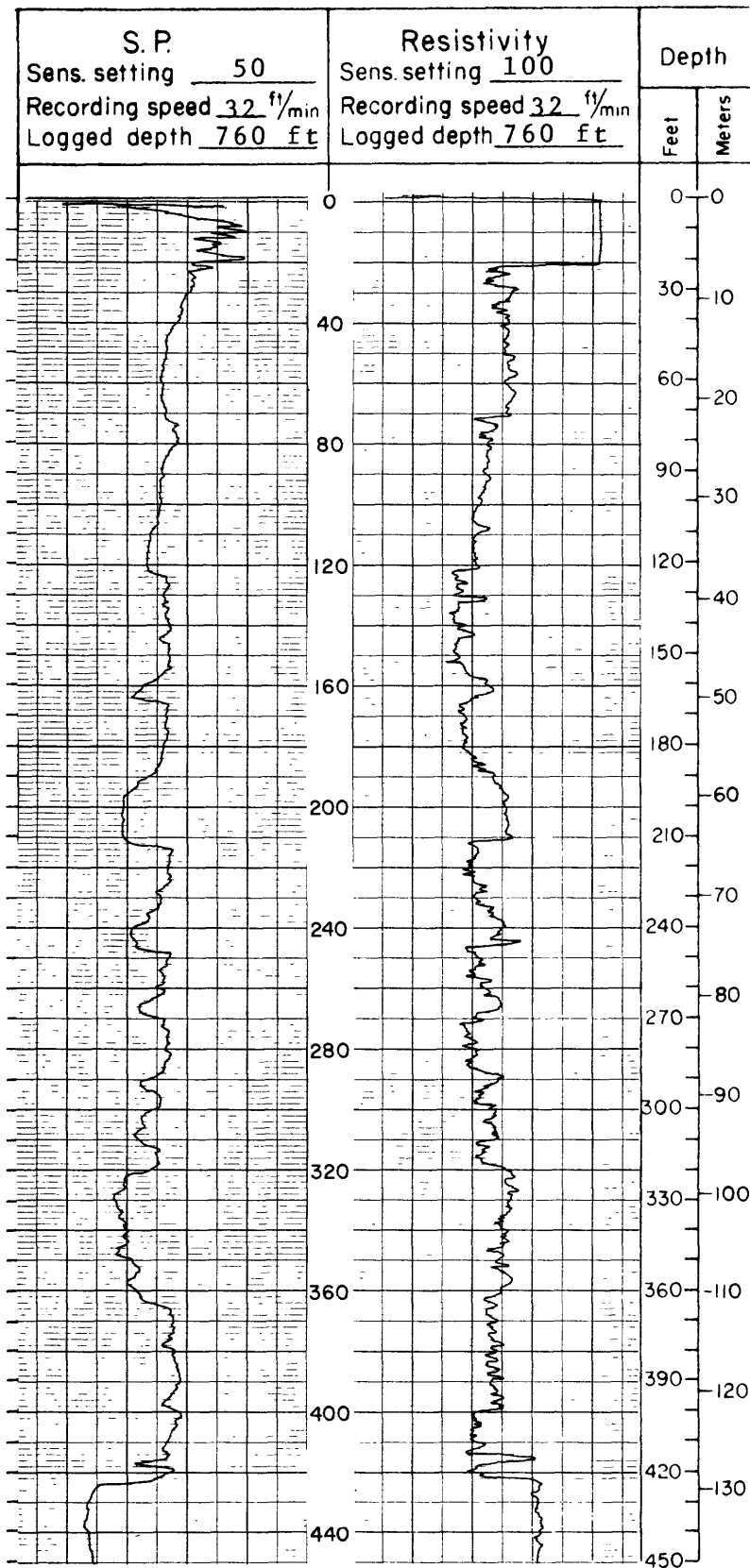
Hole number (continued)

US - 77206



Hole number (continued)

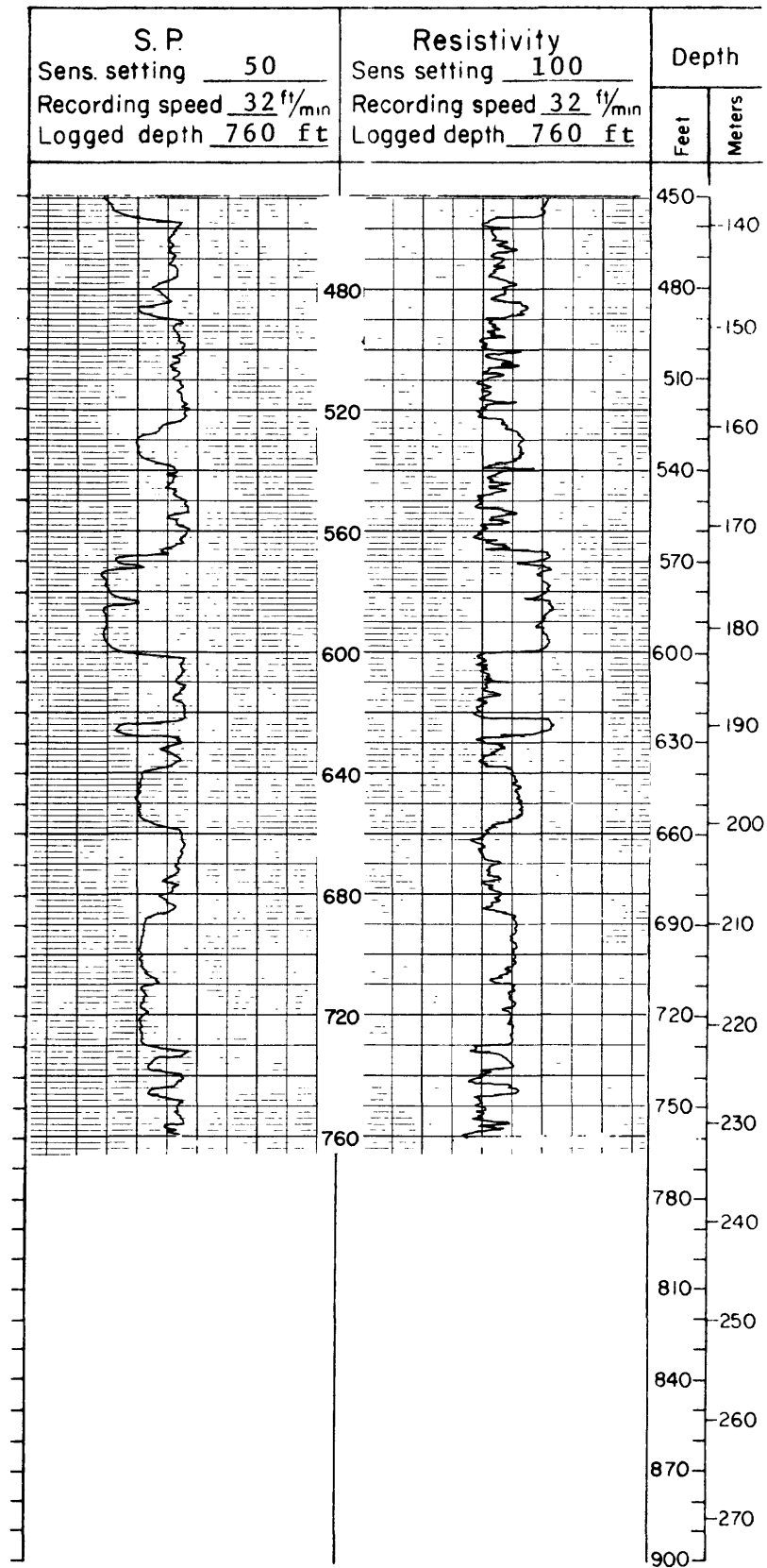
US-77206





Hole number (continued)

US-77206



# Montana College of Mineral Science and Technology

Hole no: US 77207 Map: Betty Reservoir Date: 3/20/77 State: Wyoming County: Converse

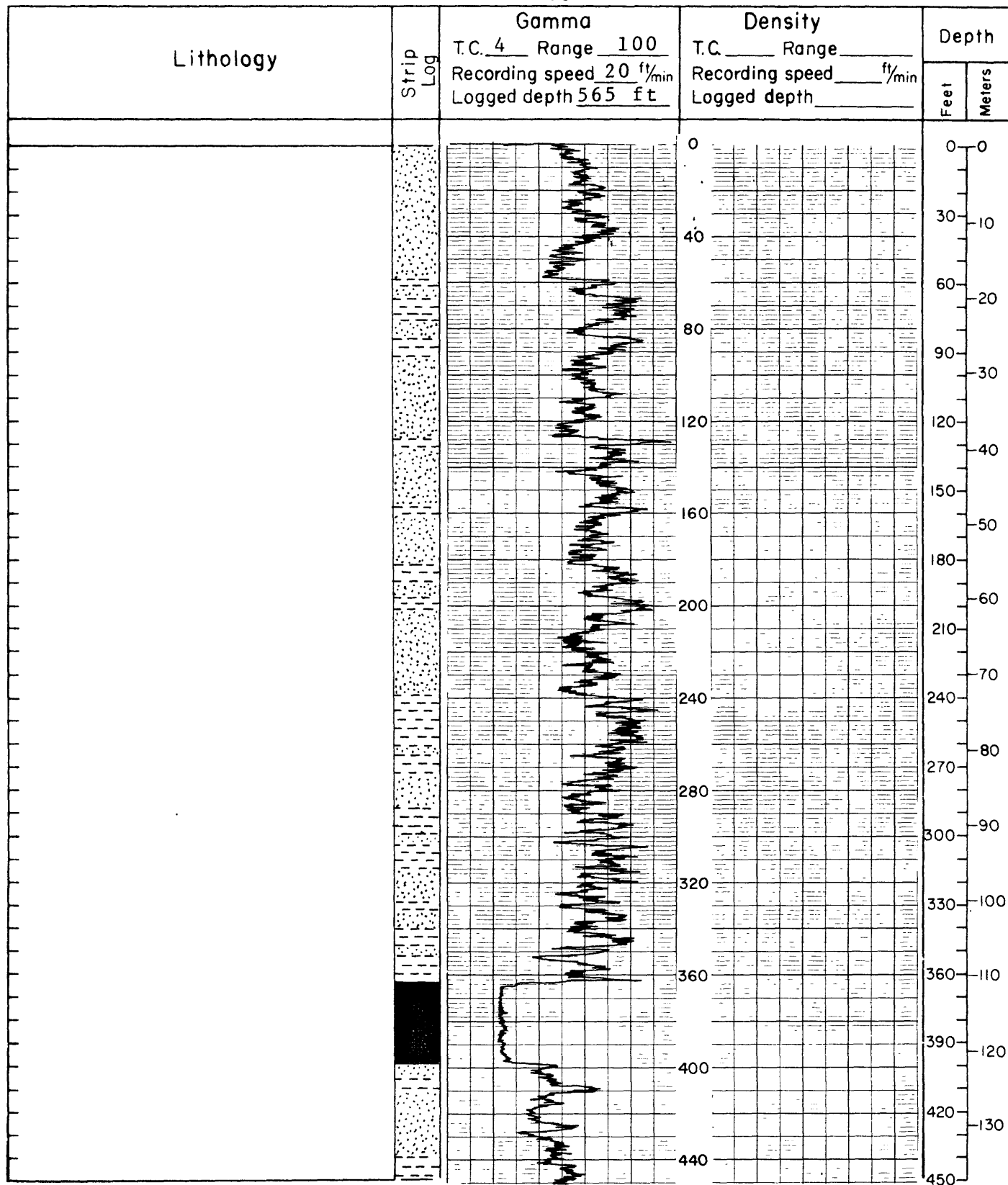
Elev: 4836 ft Location: T. 41 N, R. 72 E, Sec. 25, Tract CDBB Drilled depth: 580 ft

Measured: 1010 ft <sup>PWL</sup> FSL, 1510 ft <sup>FWL</sup> Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

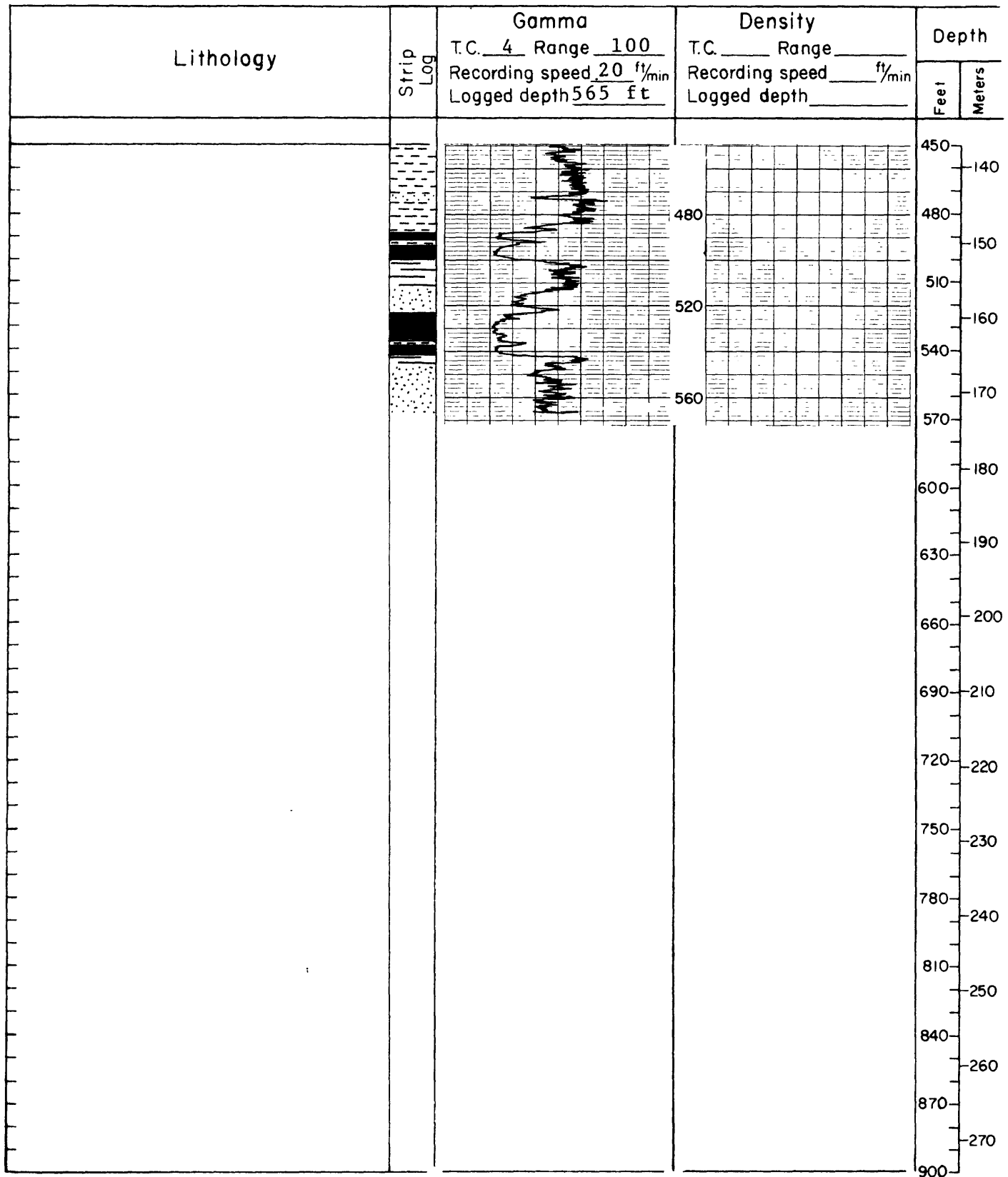
Recorded by: D. MATTUCCI

Geologist <sup>XES</sup> No Recorded by: F. KISTNER



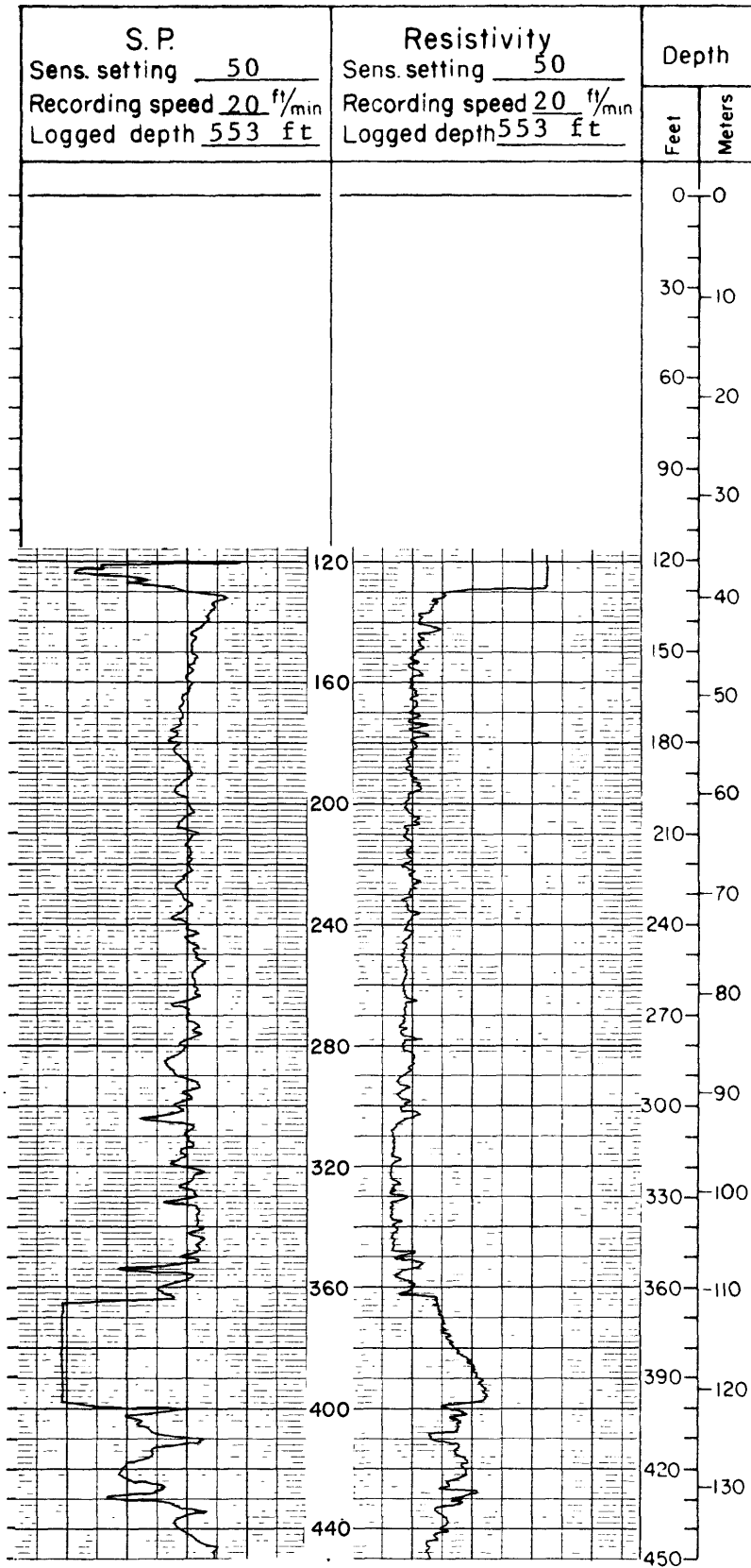
Hole number (continued)

US- 77207



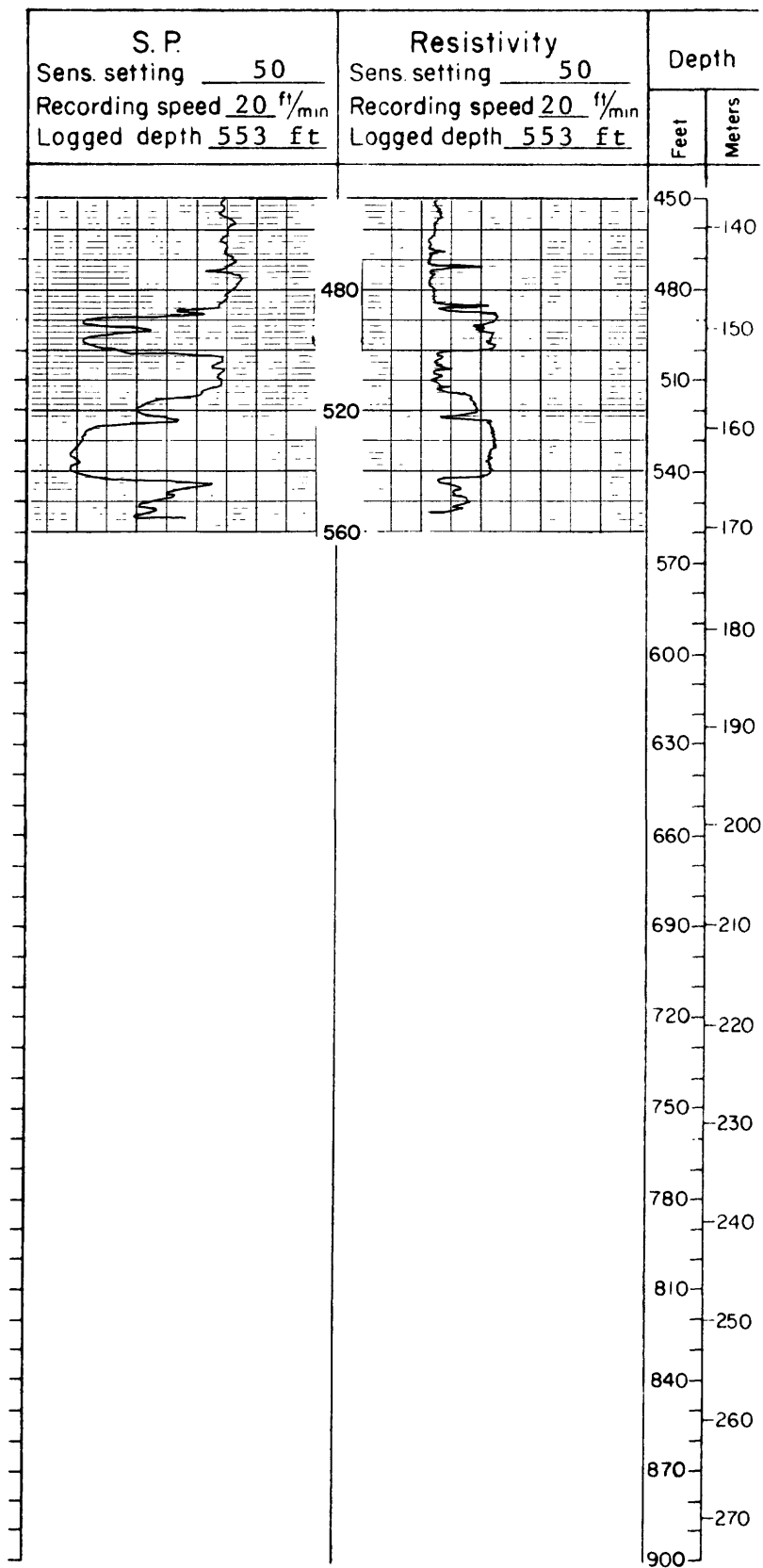
# Hole number (continued)

US - 77207



Hole number (continued)

US - 77207



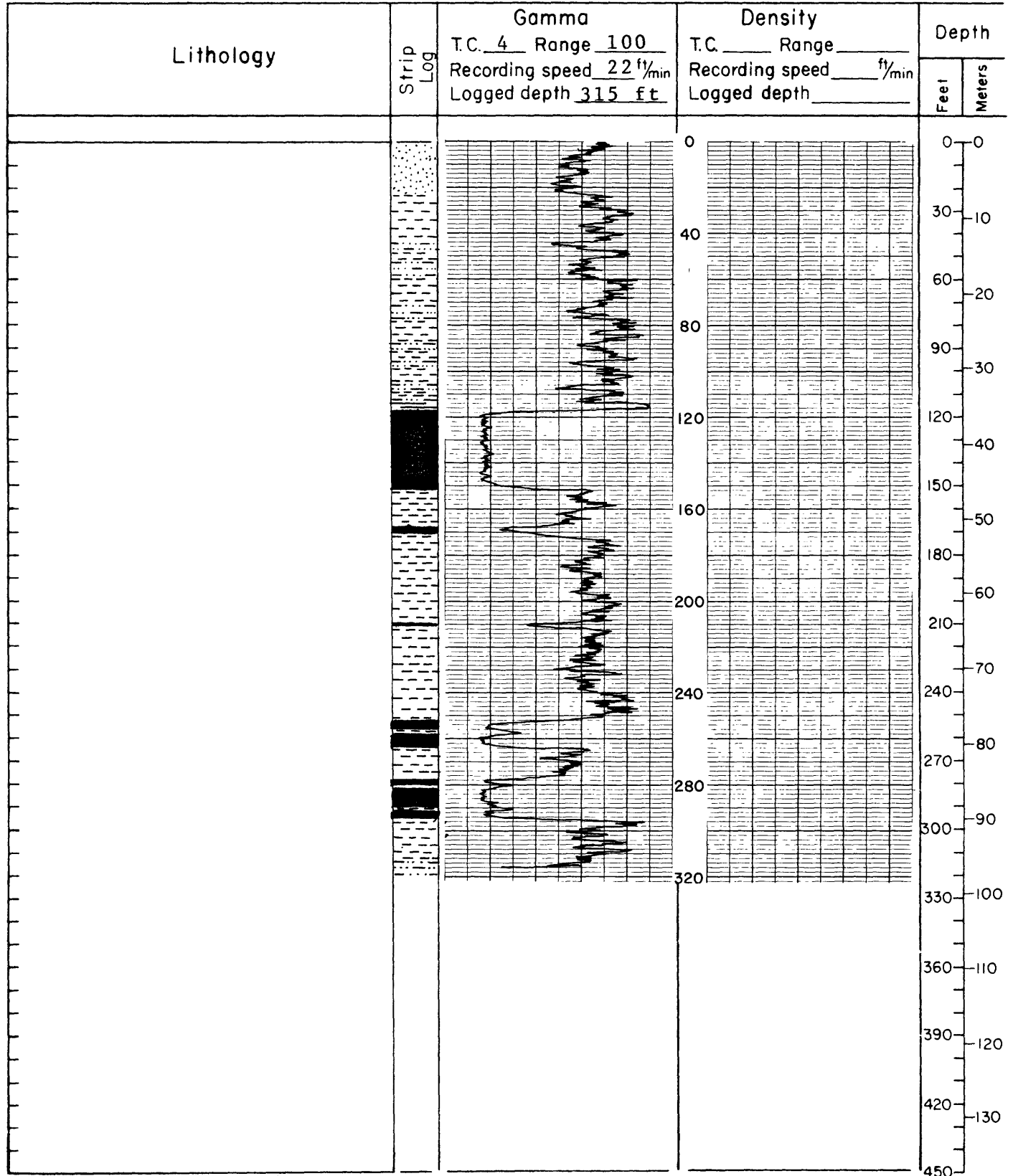
# Montana College of Mineral Science and Technology

Hole no: US-77208 Map: Betty Reservoir Date: 8/20/77 State: Wyoming County: Converse  
 Elev. 4646 ft Location: T. 41 N. R. 71 E. Sec. 32, Tract ABAD Drilled depth: 320 ft  
 Measured: 500 ft ~~FNL~~ 1610 ft ~~FEL~~ Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

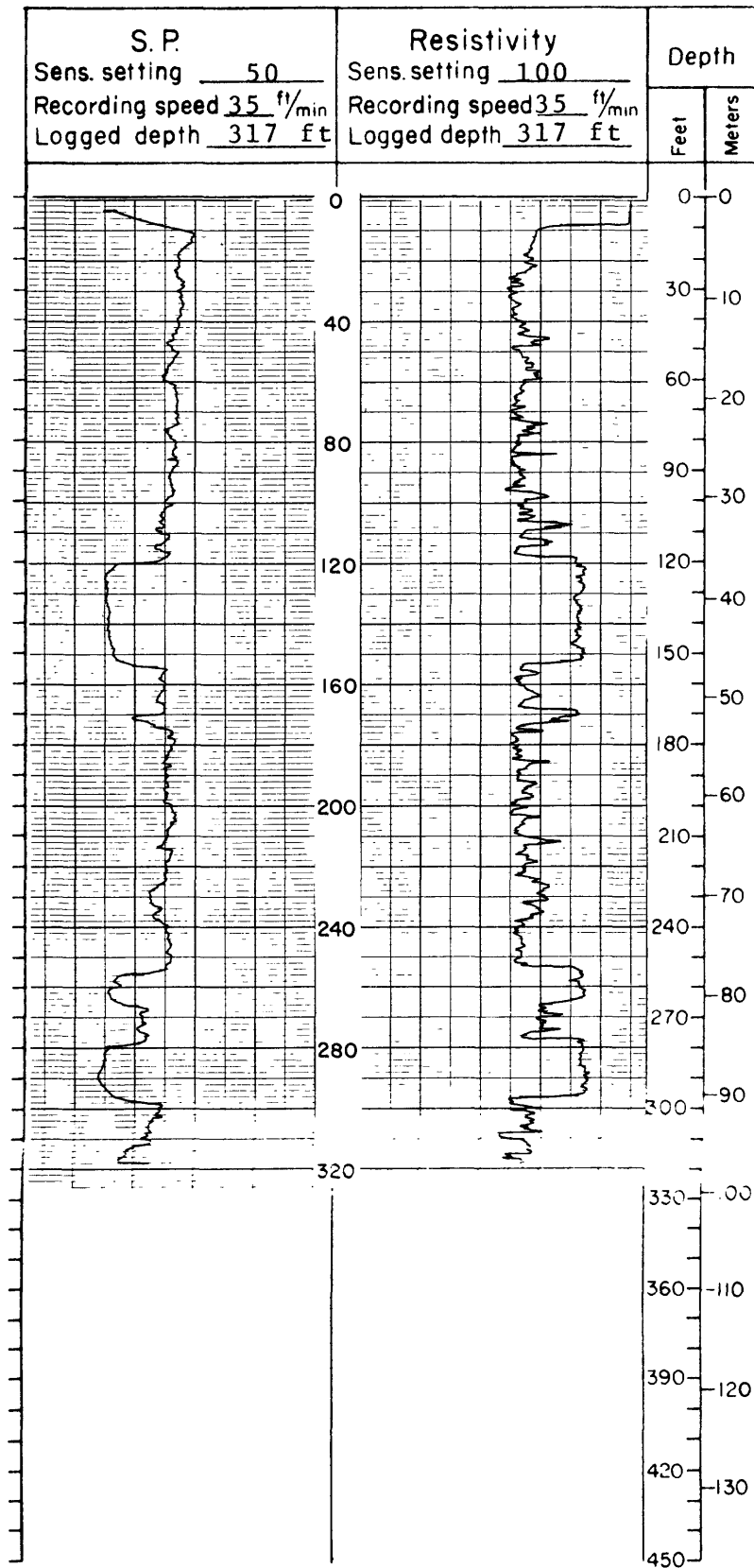
Recorded by: D. MATTUCCI

Geologist ~~xxx~~ No Recorded by: F. KISTNER



# Hole number (continued)

US-77208



# Montana College of Mineral Science and Technology

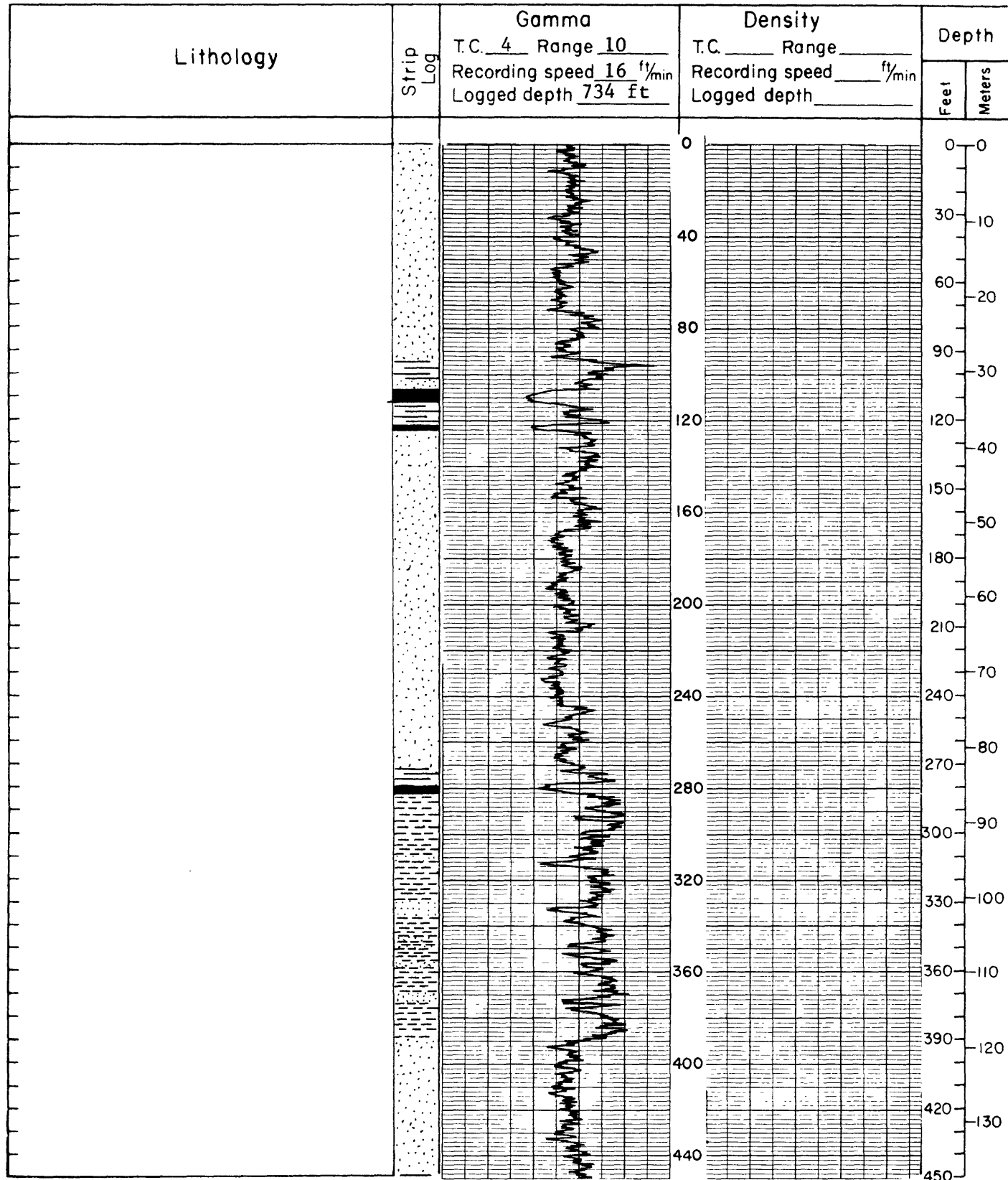
Hole no: US-77209 Map: Teckla SW Date: 8/30/77 State: Wyoming County: Campbell  
 Elev.: 4954 ft Location: T. 41 N. 8 R. 72 W. Sec. 3, Tract DABB Drilled depth: 740 ft  
 Measured: 2400 ft ~~FSL~~ 1170 ft ~~FEL~~ ~~FSL~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: E. WOODS

Geologist ~~Yes~~ No

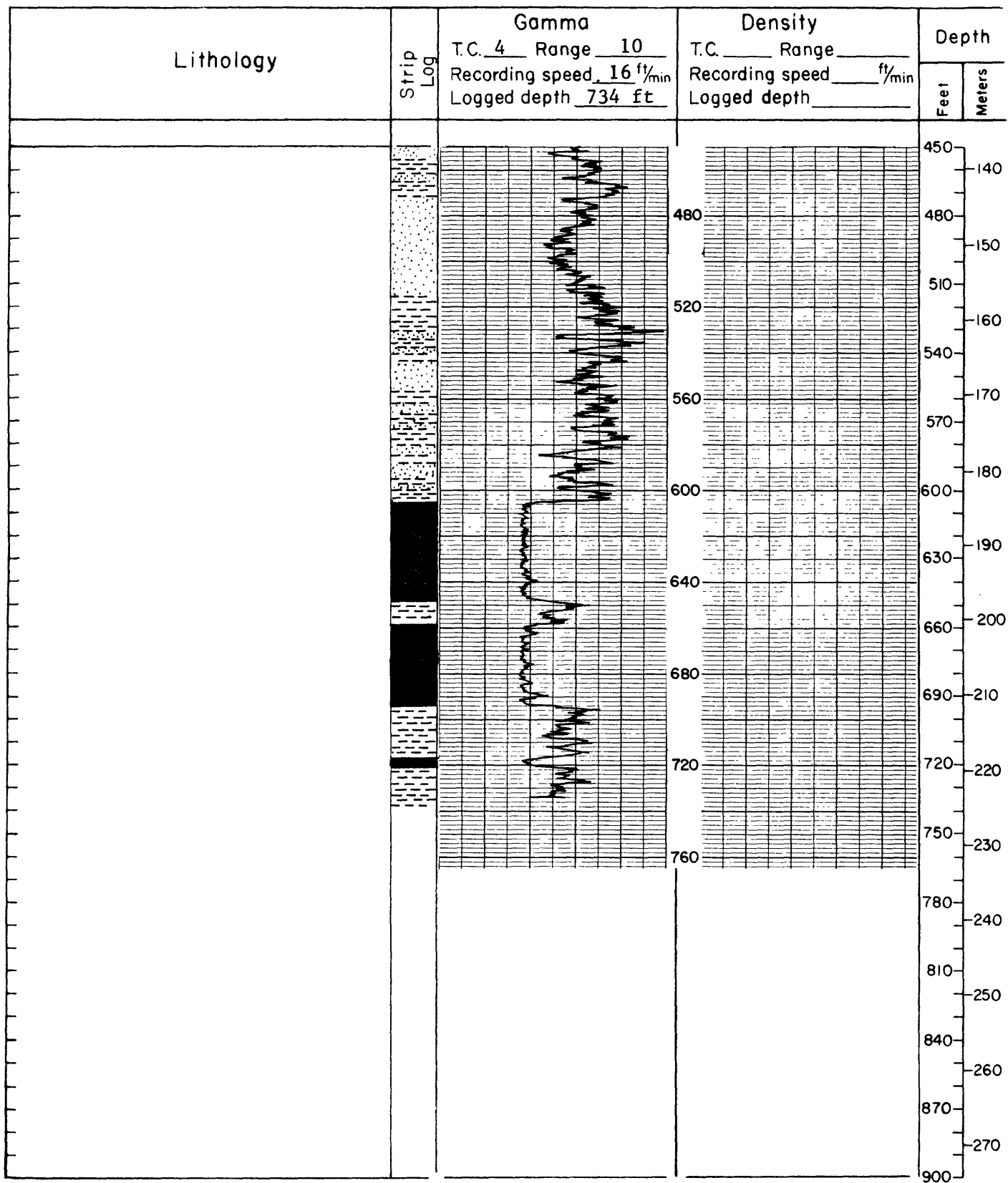
Recorded by: F. KISTNER





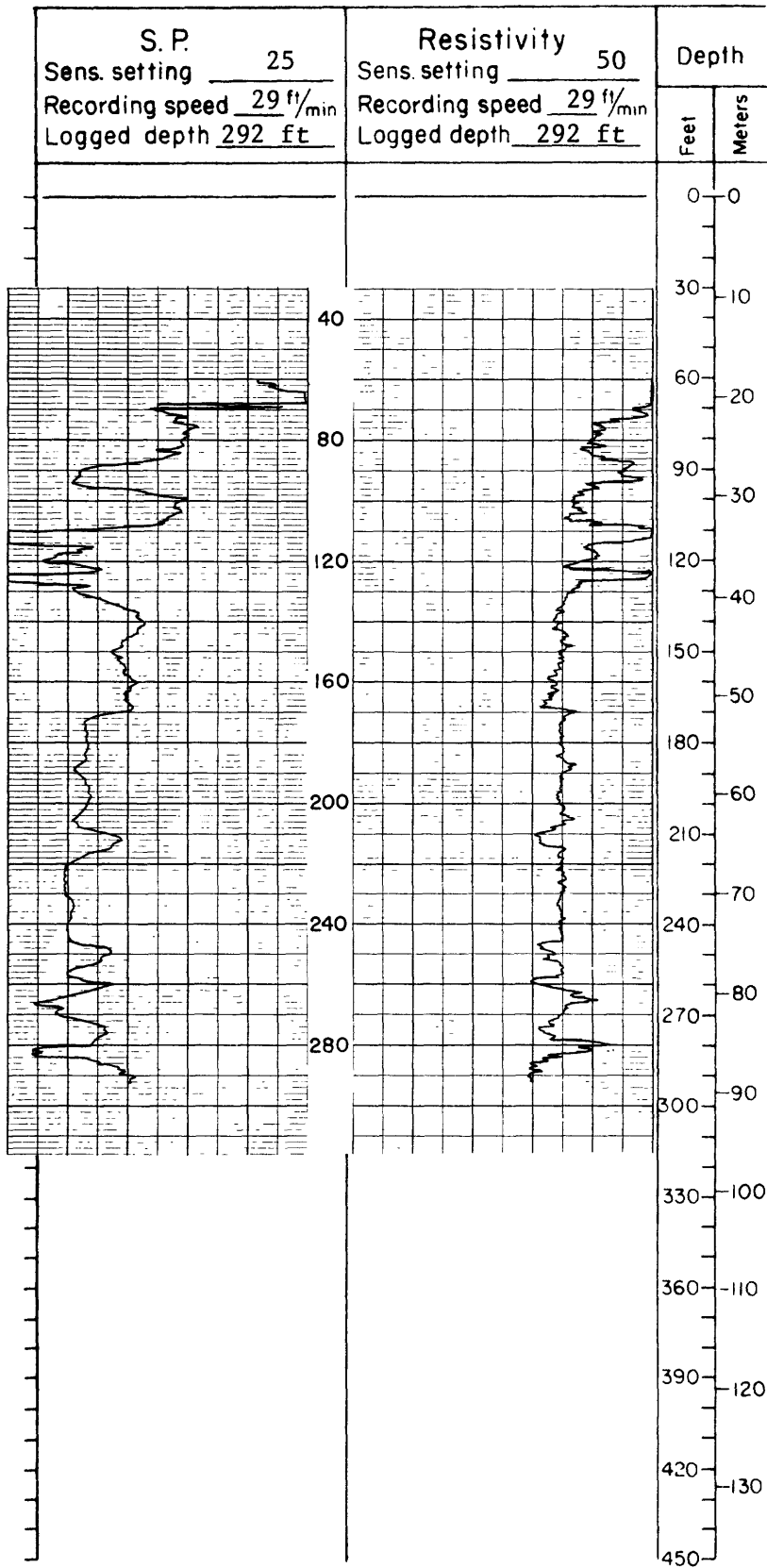
Hole number (continued)

US - 77209



# Hole number (continued)

US - 77209



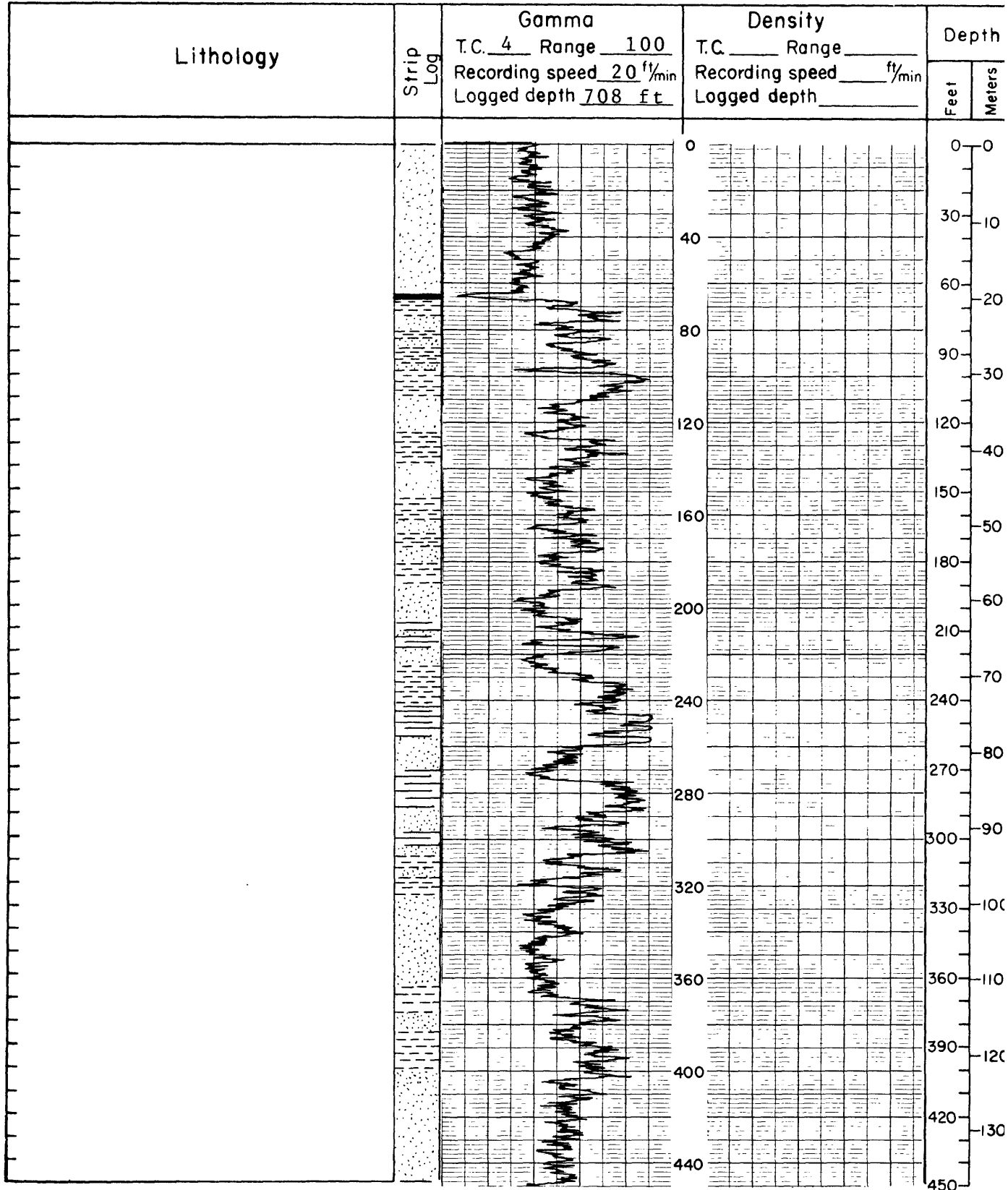
**MONTANA BUREAU OF MINES AND GEOLOGY**  
**Montana College of Mineral Science and Technology**

Hole no: US-77210 Map: Teckla SW Date: 8/21/77 State: Wyoming County: Campbell  
 Elev.: 4937 ft Location: T. 41 N. R. 71 W. Sec. 7, Tract BDCB: Drilled depth: 710 ft  
 Measured: 2030 ft FNL 1490 FFL 1490 Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

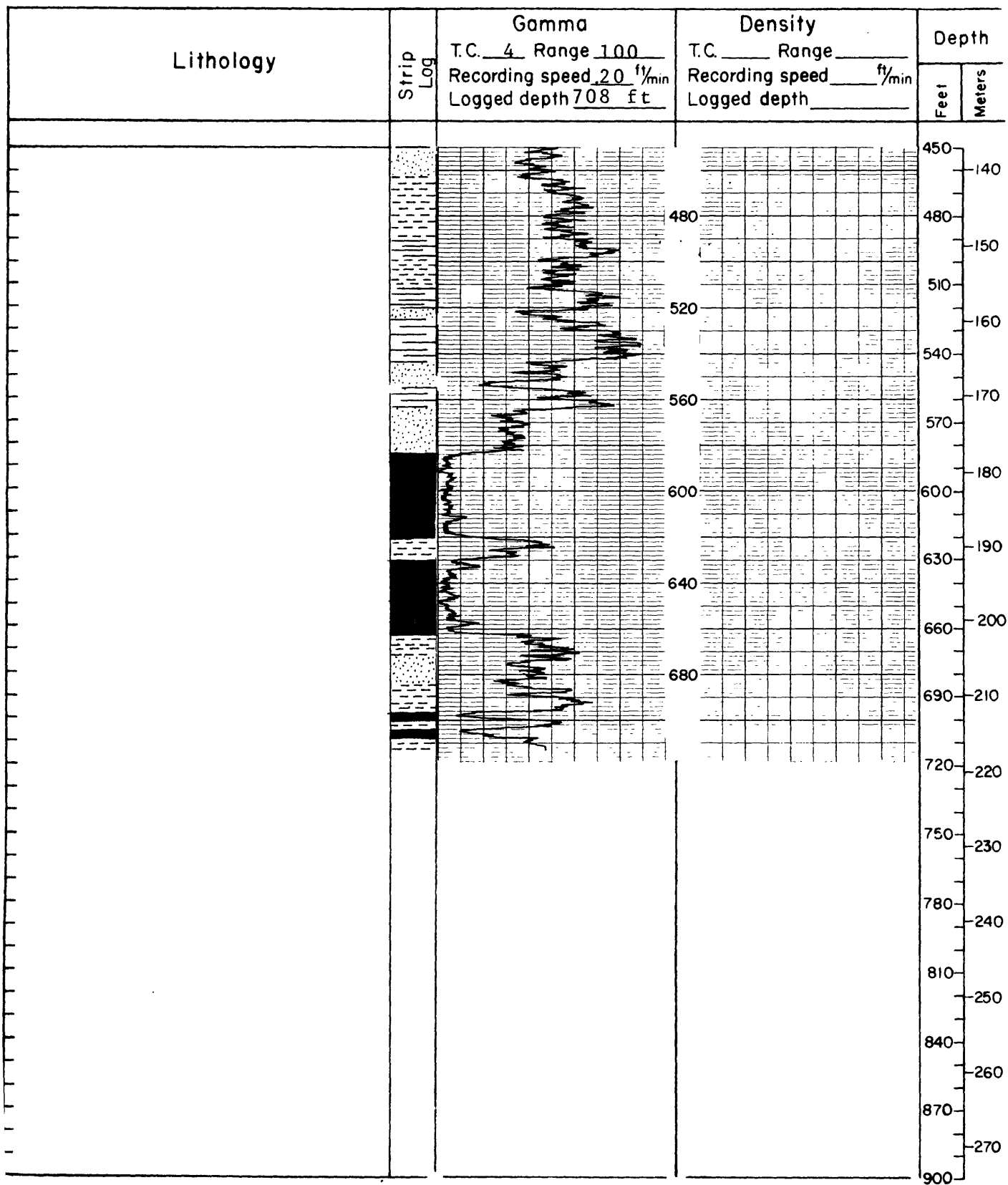
Recorded by: D. MATTUCCI

Geologist <sup>Yes</sup>No Recorded by: F. KISHNER



Hole number (continued)

US- 77210



# Montana College of Mineral Science and Technology

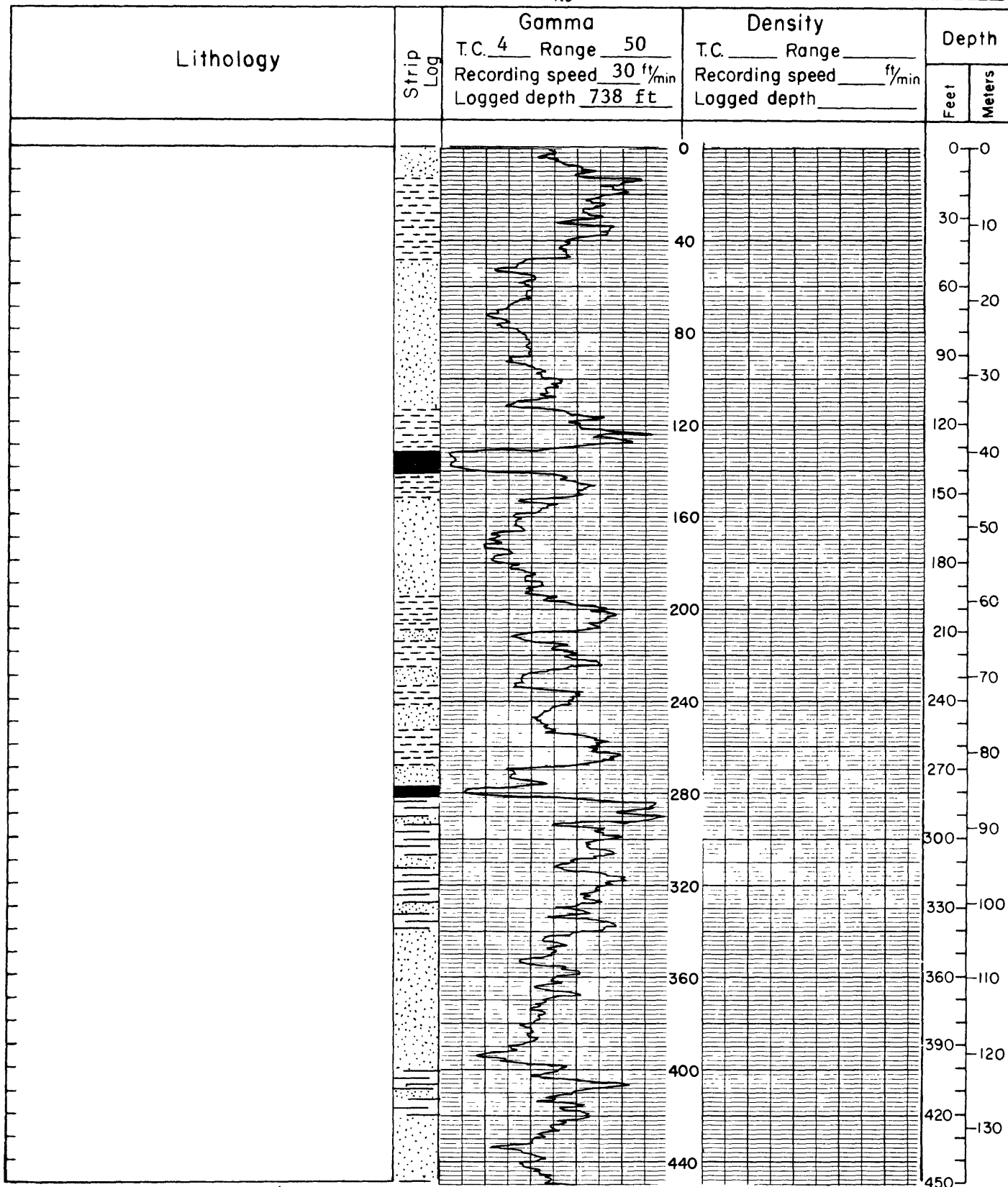
Hole no: US-77211 Map: Teckla SW Date: 8/24/77 State: Wyoming County: Campbell  
 Elev.: 4871 ft Location: T. 42 <sup>N</sup> <sub>S</sub>, R. 72 <sup>E</sup> <sub>W</sub>, Sec. 12, Tract CCCB Drilled depth: 760 ft  
 Measured: 450 ft ~~XXX~~ FSL, 70 ft ~~XXX~~ FWL Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: E. WOODS

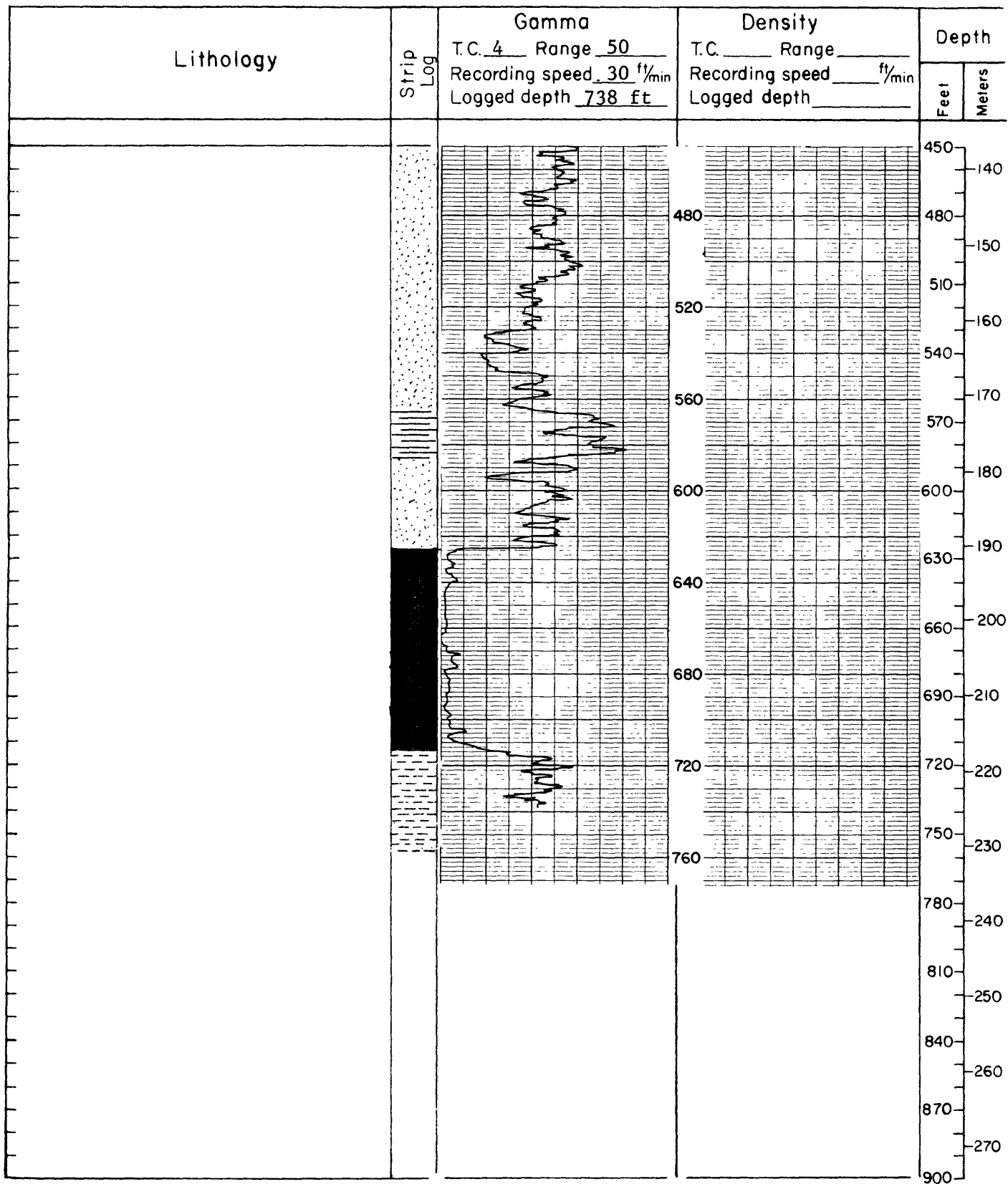
Geologist ~~Yes~~ <sup>No</sup>

Recorded by: F. KISTNER



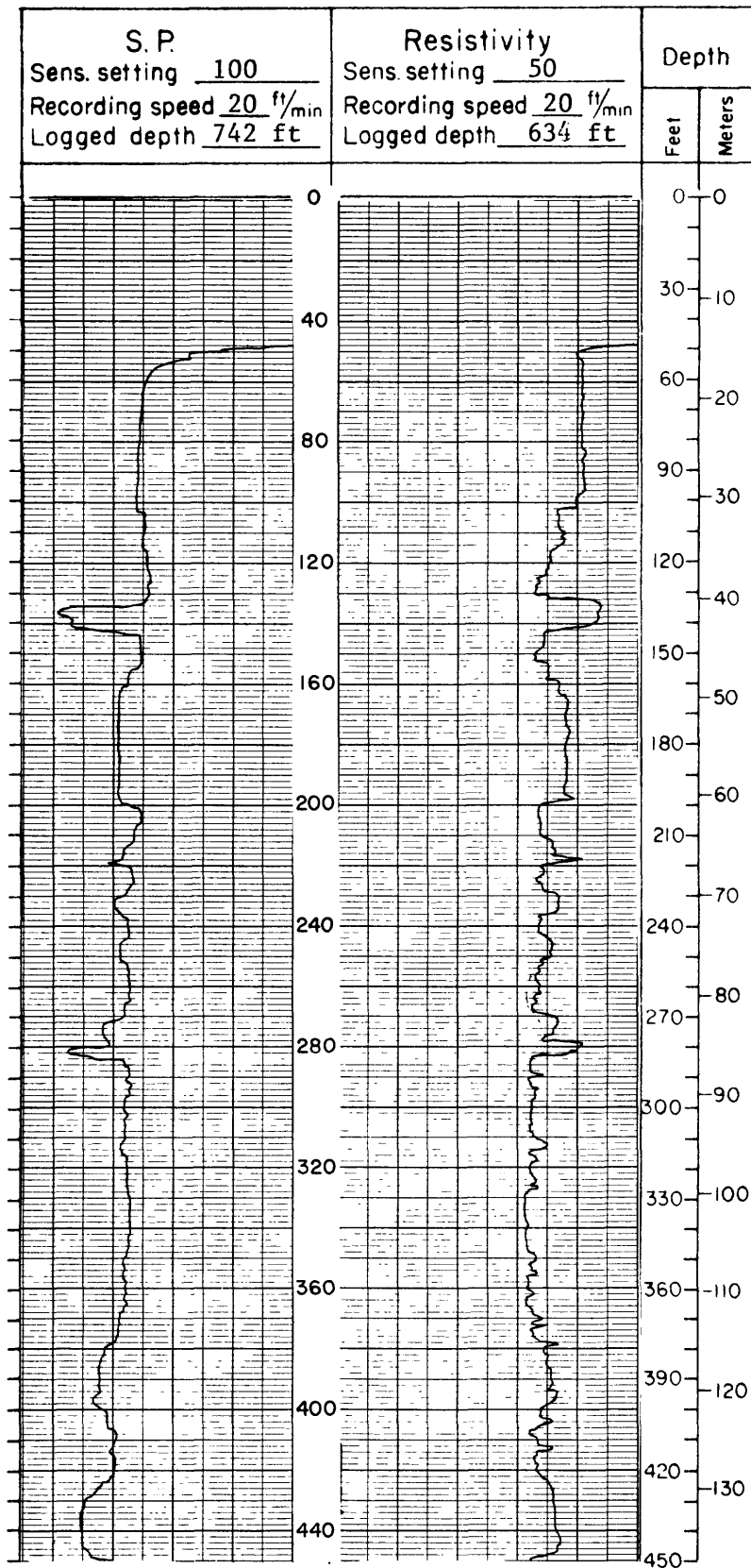
Hole number (continued)

US- 77211



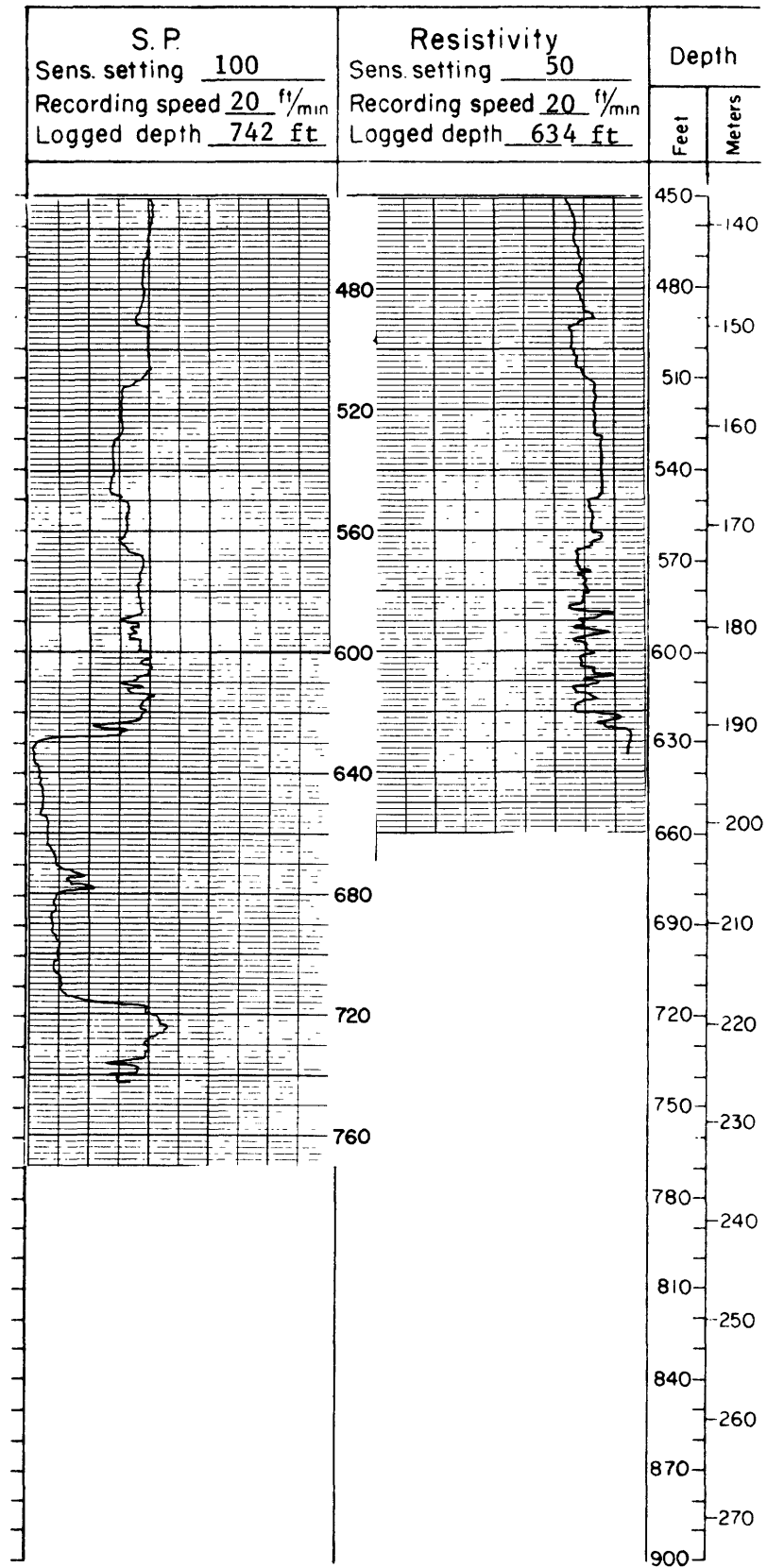
Hole number (continued)

US-77211



Hole number (continued)

US - 77211





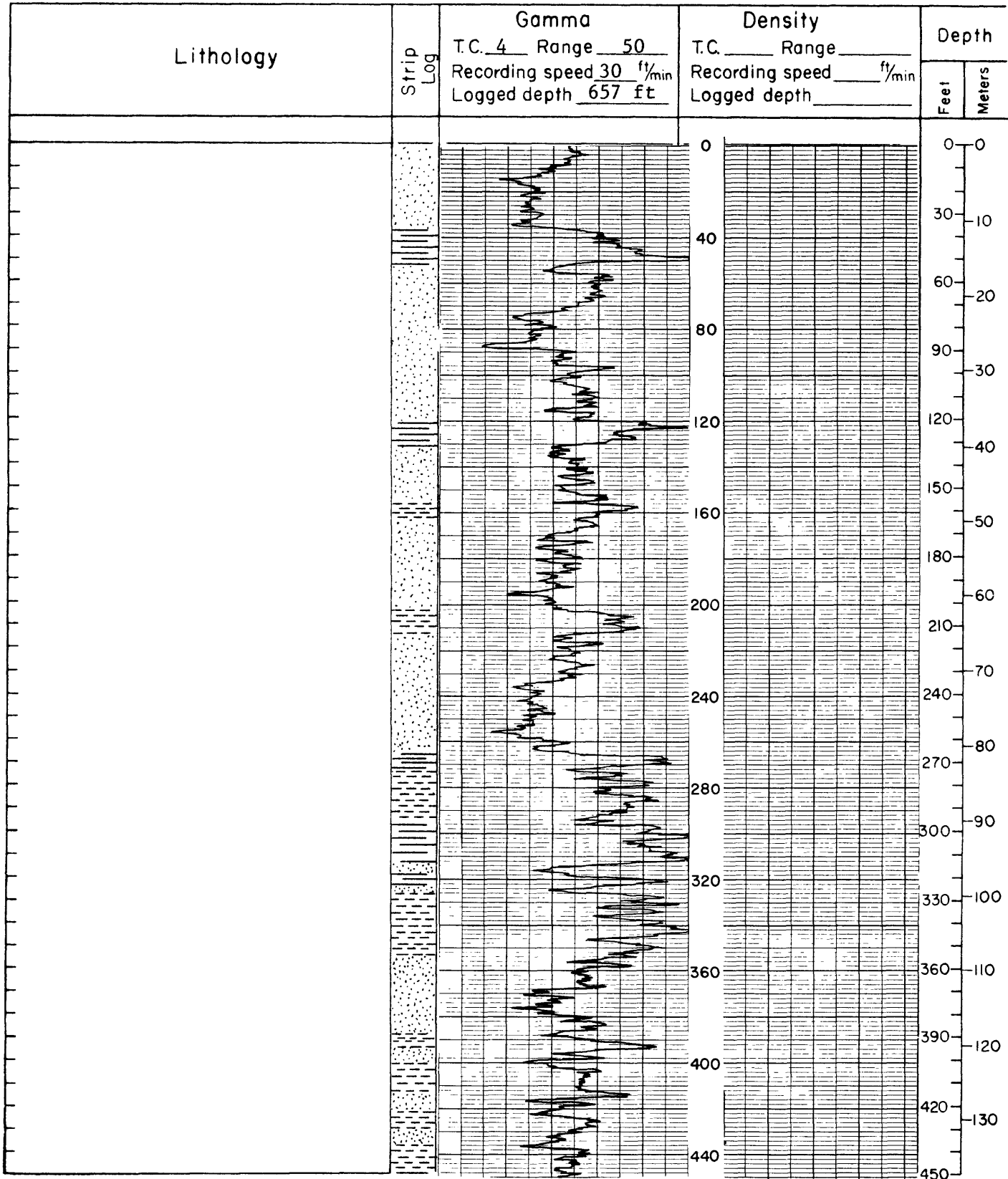
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Hole no: US-77212 Map: Teckla SW Date: 8/29/77 State: Wyoming County: Campbell  
 Elev.: 4933 ft Location: T. 41 N. 36 R. 71 W. Sec. 5, Tract BDBD Drilled depth: 665 ft  
 Measured: 1670 ft <sup>FNL</sup> ~~xxx~~, 1860 ft <sup>FWL</sup> ~~xxx~~ Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

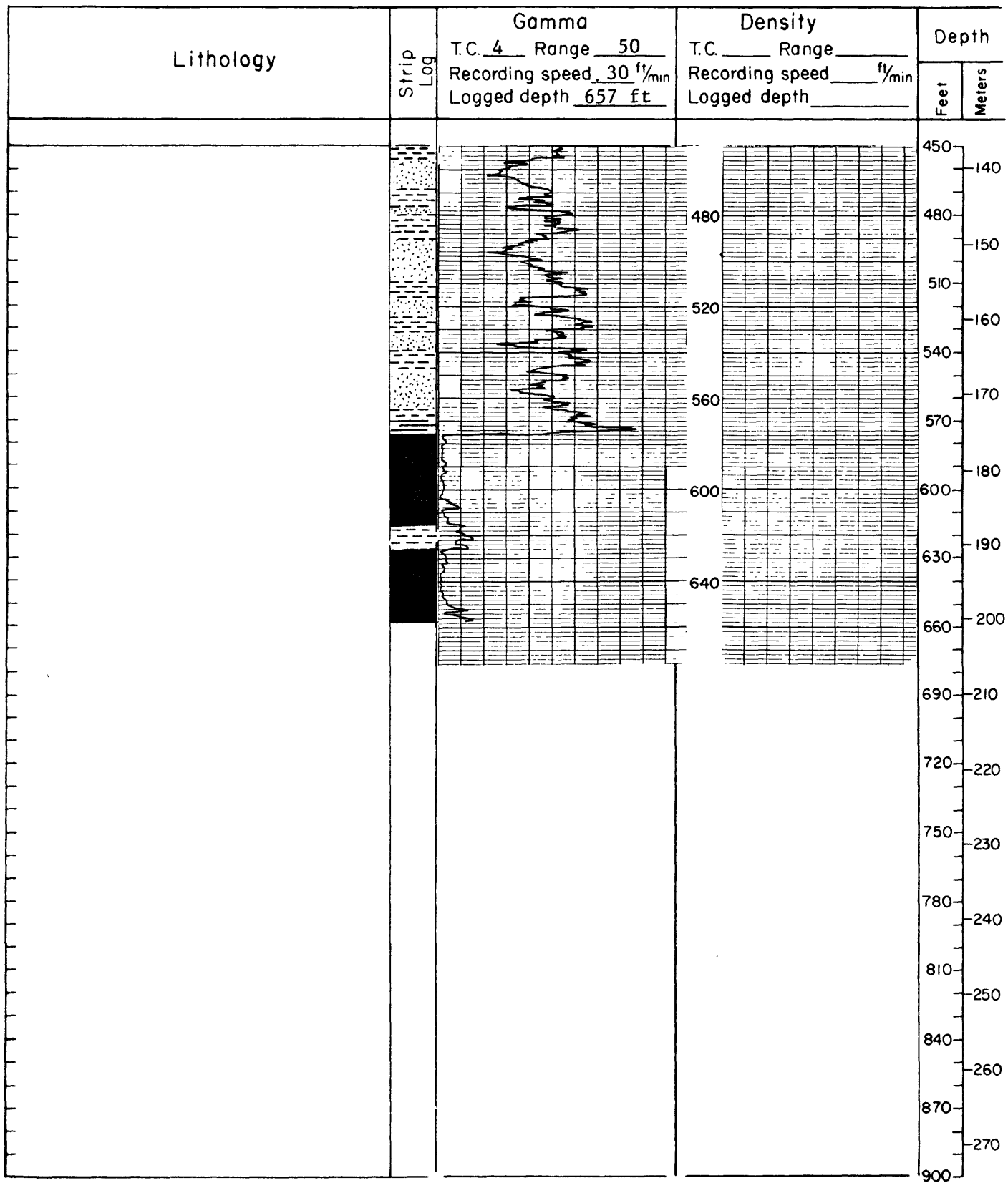
Recorded by: E. WOODS

Geologist <sup>xxx</sup> No Recorded by: F. KISTNER



Hole number (continued)

US - 77212



# Montana College of Mineral Science and Technology

Hole no: US-77213 Map: Teckla SW Date: 8/29/77 State: Wyoming County: Campbell  
 Elev.: 4855 ft Location: T. 41 N. 8 E. R. 72 W. Sec. 12, Tract BBDB Drilled depth: 220 ft  
 Measured: 670 ft FNL 670 ft FWL XXX Hole size: 4 3/4 in. Air ☒ Water ☐ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

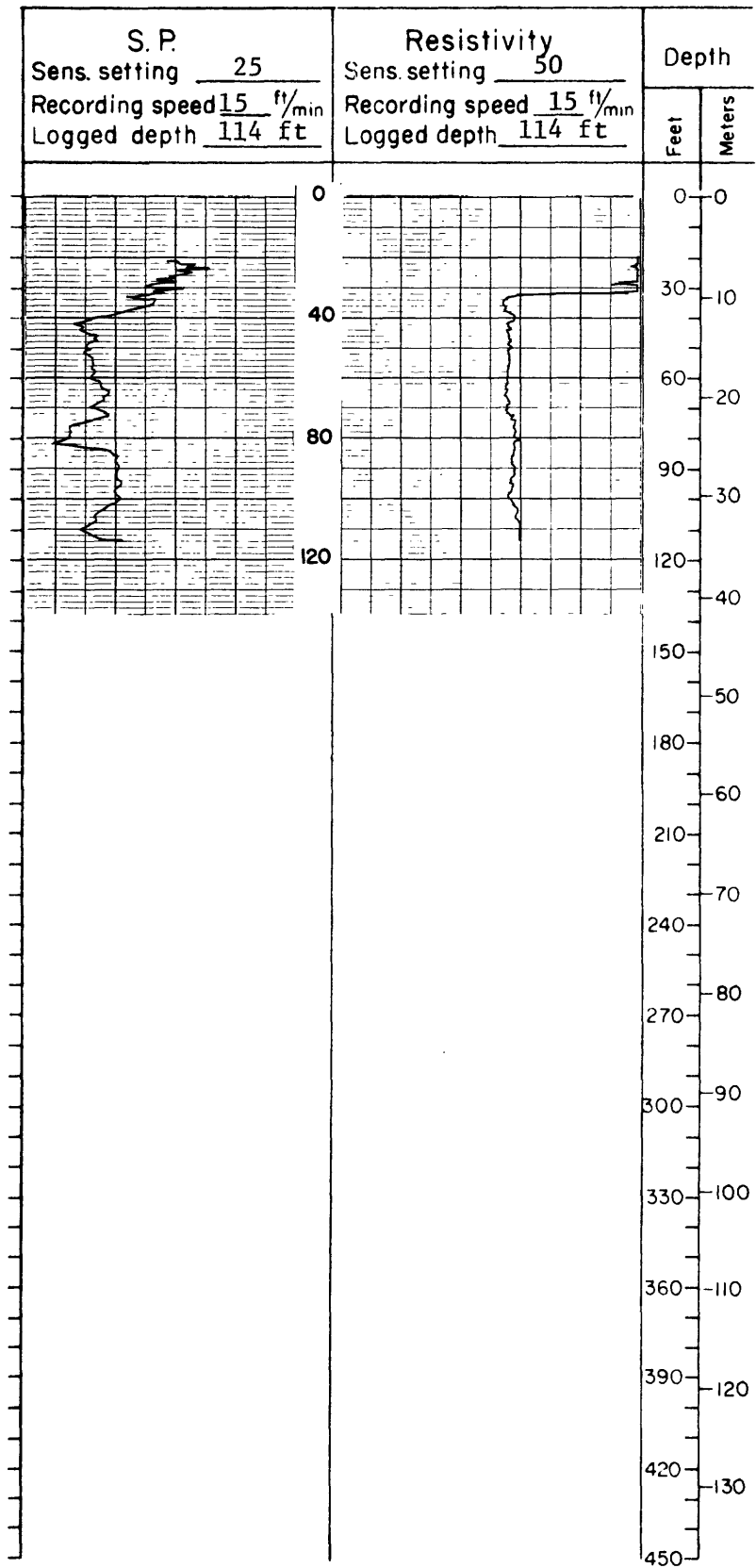
Recorded by: E. WOODS

Geologist <sup>Yes</sup><sub>No</sub> Recorded by: F. KISTNER

Lithology	Strip Log	Gamma		Density		Depth	
		T.C. <u>4</u>	Range <u>10</u>	T.C. _____	Range _____	Feet	Meters
		Recording speed <u>20</u> ft/min	Logged depth <u>216</u> ft	Recording speed _____ ft/min	Logged depth _____		
						0	0
						40	10
						80	20
						120	30
						160	40
						200	50
						240	60
						280	70
						320	80
						360	90
						400	100
						440	110
						480	120
						520	130
						560	
						600	
						640	
						680	
						720	
						760	
						800	
						840	
						880	
						920	
						960	
						1000	

Hole number (continued)

US- 77213



**Montana College of Mineral Science and Technology**

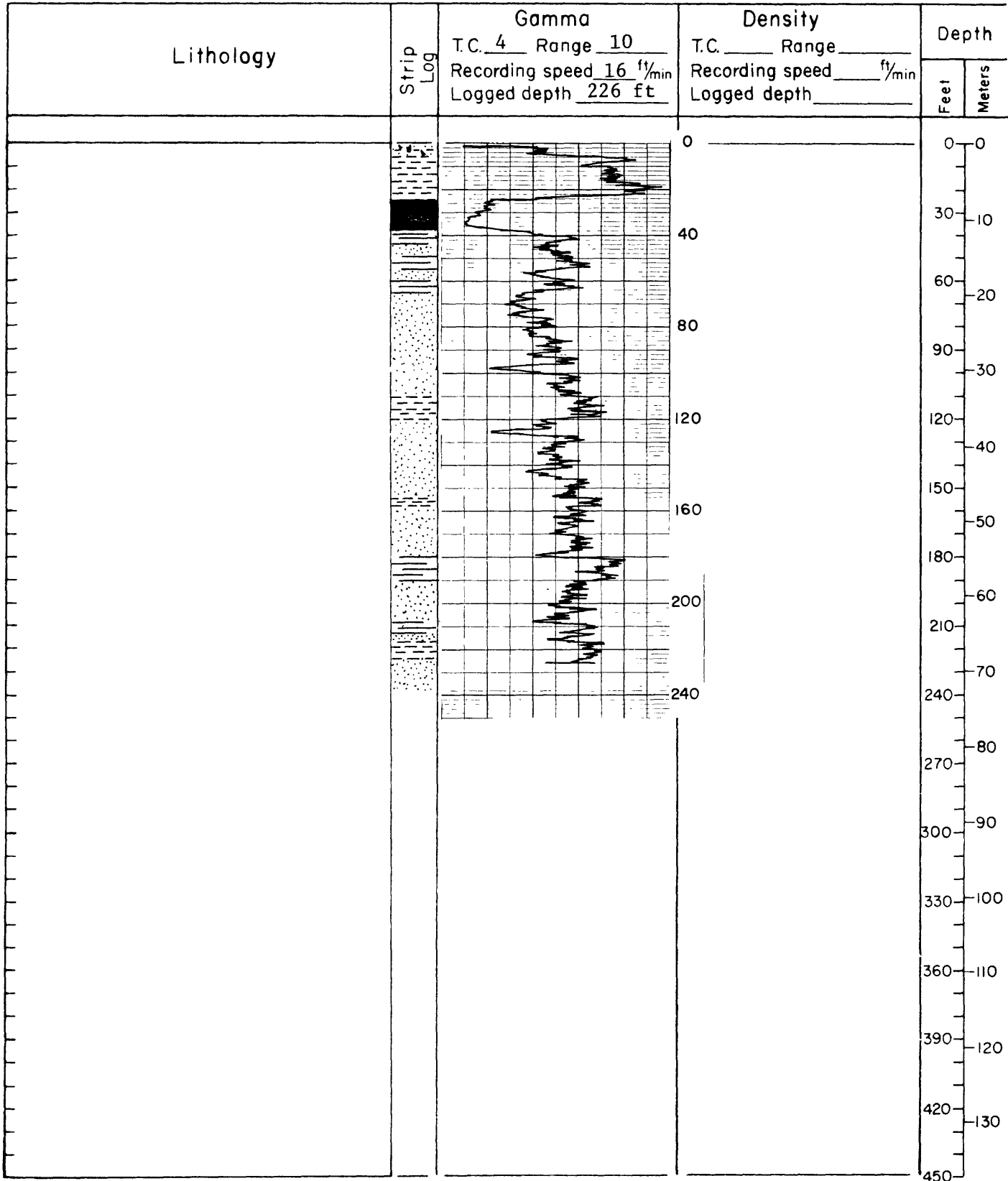
Hole no: US-77214 Map: Betty Reservoir Date: 8/31/77 State: Wyoming County: Converse  
 Elev.: 4901 ft Location: T. 40 <sup>N</sup><sub>S</sub>, R. 71 <sup>E</sup><sub>W</sub>, Sec. 25, Tract DCBB Drilled depth: 240 ft  
 Measured: 1000 ft ~~FSL~~ <sup>FEL</sup> 2550 ft ~~RWX~~ Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: E. WOODS

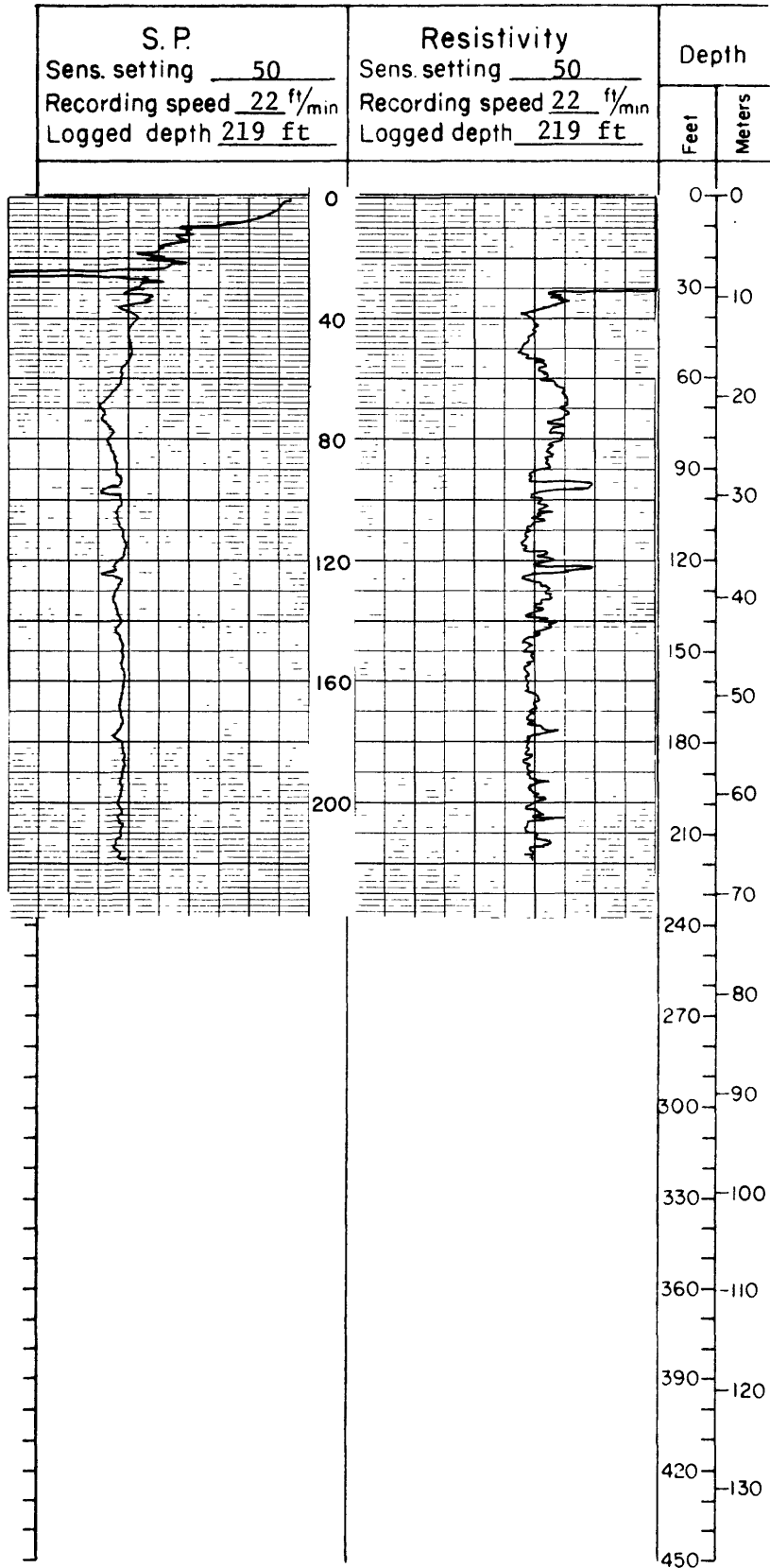
Geologist ~~No~~ <sup>Yes</sup>

Recorded by: F. KISTNER



# Hole number (continued)

US - 77214



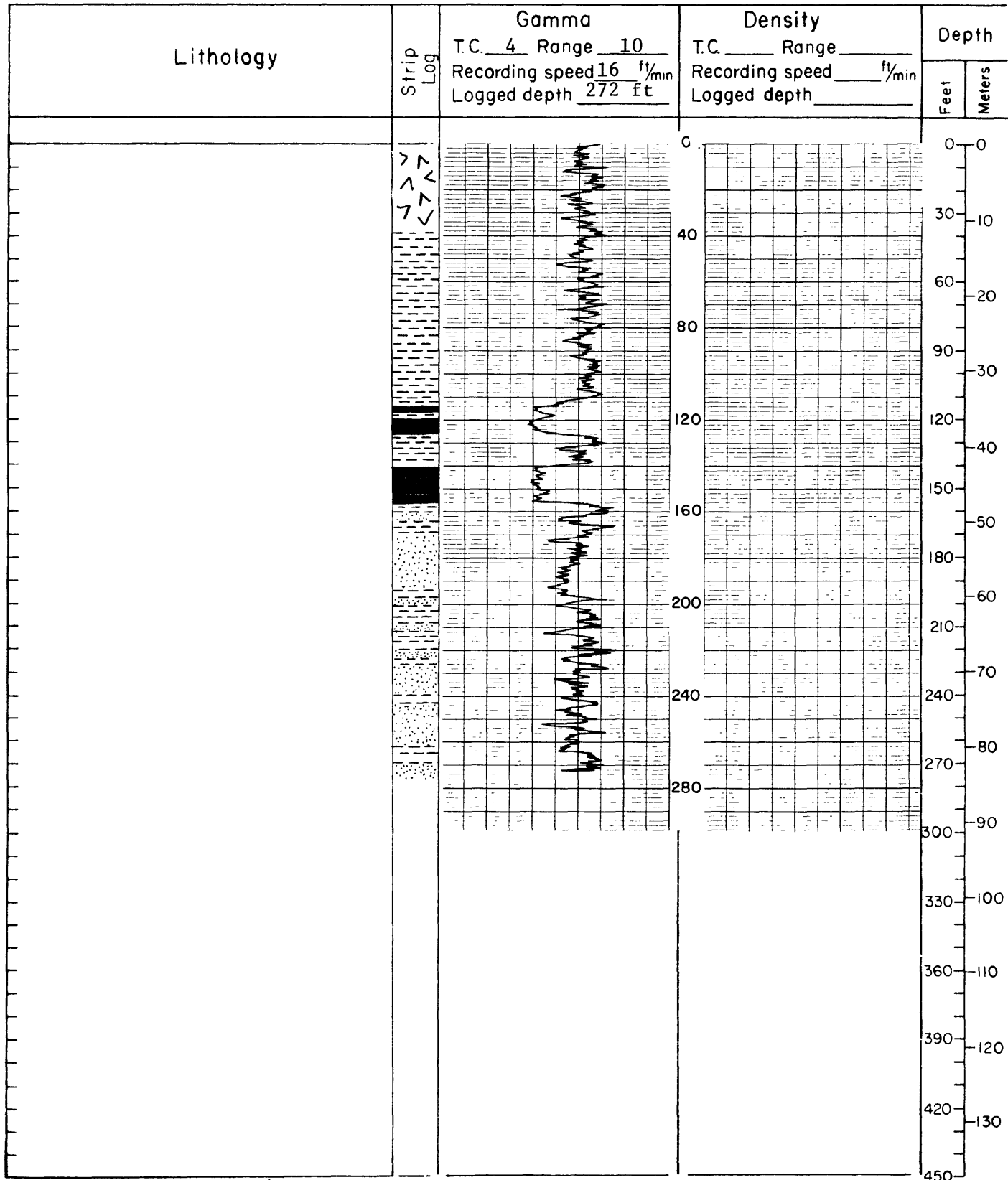
# Montana College of Mineral Science and Technology

Hole no: US-77215 Map: Betty Reservoir Date: 8/31/77 State: Wyoming County: Converse  
 Elev.: 4822 ft Location: T. 40 N. 3, R. 70 W., Sec. 9, Tract DDBD Drilled depth: 280 ft  
 Measured: 780 ft ~~FSL~~ 950 ft ~~FEL~~ ~~RAWX~~ Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

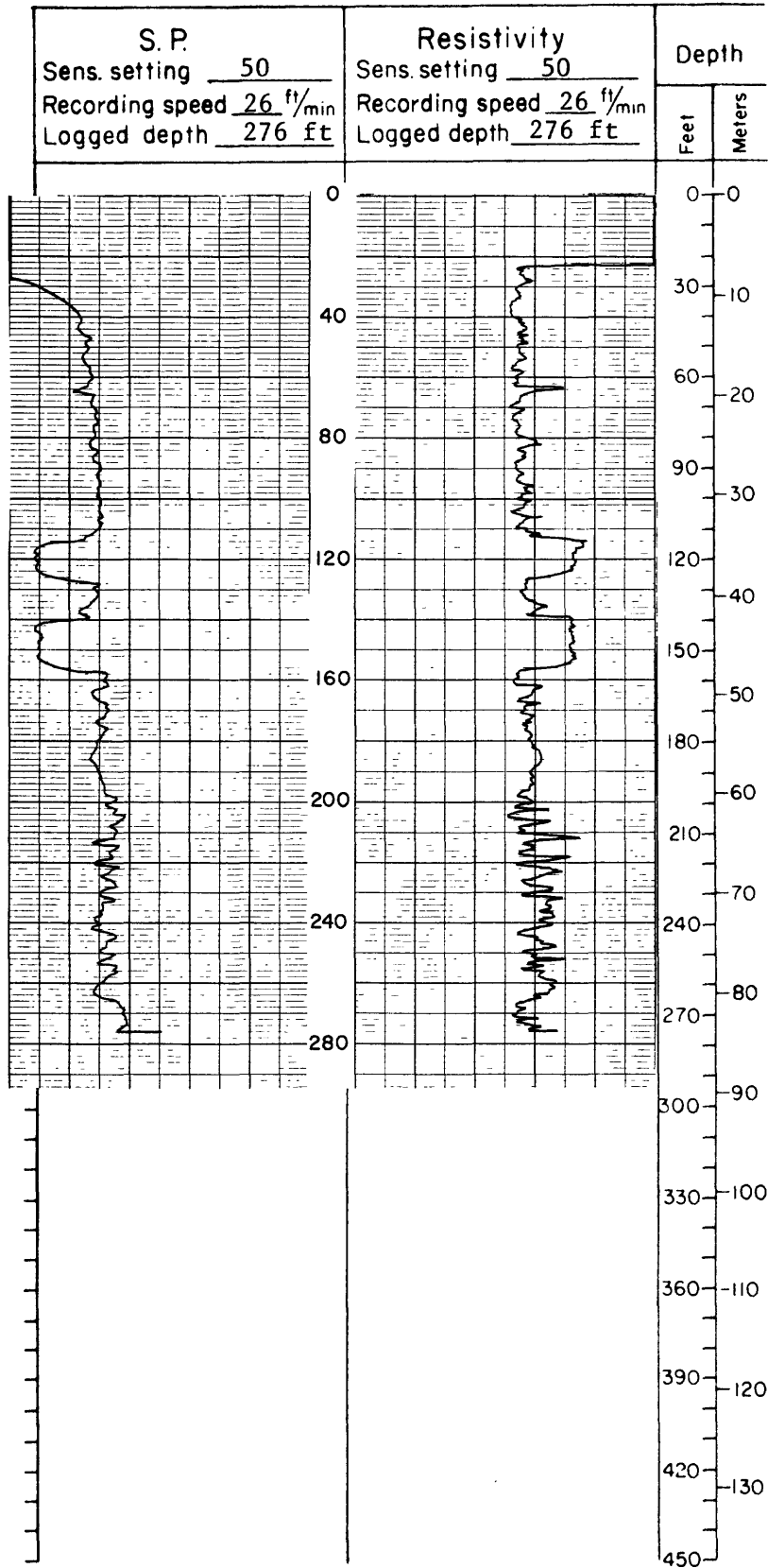
Recorded by: E. WOODS

Geologist ~~XXXX~~ No Recorded by: F. KISTNER



# Hole number (continued)

US - 77215





# Montana College of Mineral Science and Technology

Hole no: US-77216 Map: Calf Creek Date: 11/4/77 State: Wyoming County: Campbell  
 Elev.: 4331 ft Location: T. 52 <sup>N.</sup> <sub>S.</sub>, R. 72 <sup>E.</sup> <sub>W.</sub>, Sec. 5, Tract CDCC Drilled depth: 150 ft  
 Measured: 250 ft <sup>RNK</sup> <sub>FSL</sub>, 1520 ft <sup>RNK</sup> <sub>FWL</sub> Hole size: 5 in. Air ☒ Water ☐ Cored: Yes ☐ No ☒  
 Remarks: Lost circulation; moved to US 77281; no logs.  
 Recorded by: K. WILLIAMS Geologist <sup>xxxx</sup> <sub>No</sub> Recorded by: L. SAUER

Lithology	Strip Log	Gamma	Density	Depth	
		T.C. _____ Range _____ Recording speed _____ ft/min Logged depth _____	T.C. _____ Range _____ Recording speed _____ ft/min Logged depth _____	Feet	Meters
				0	0
				30	10
				60	20
				90	30
				120	40
				150	50
				180	60
				210	70
				240	80
				270	90
				300	100
				330	110
				360	120
				390	130
				420	
				450	

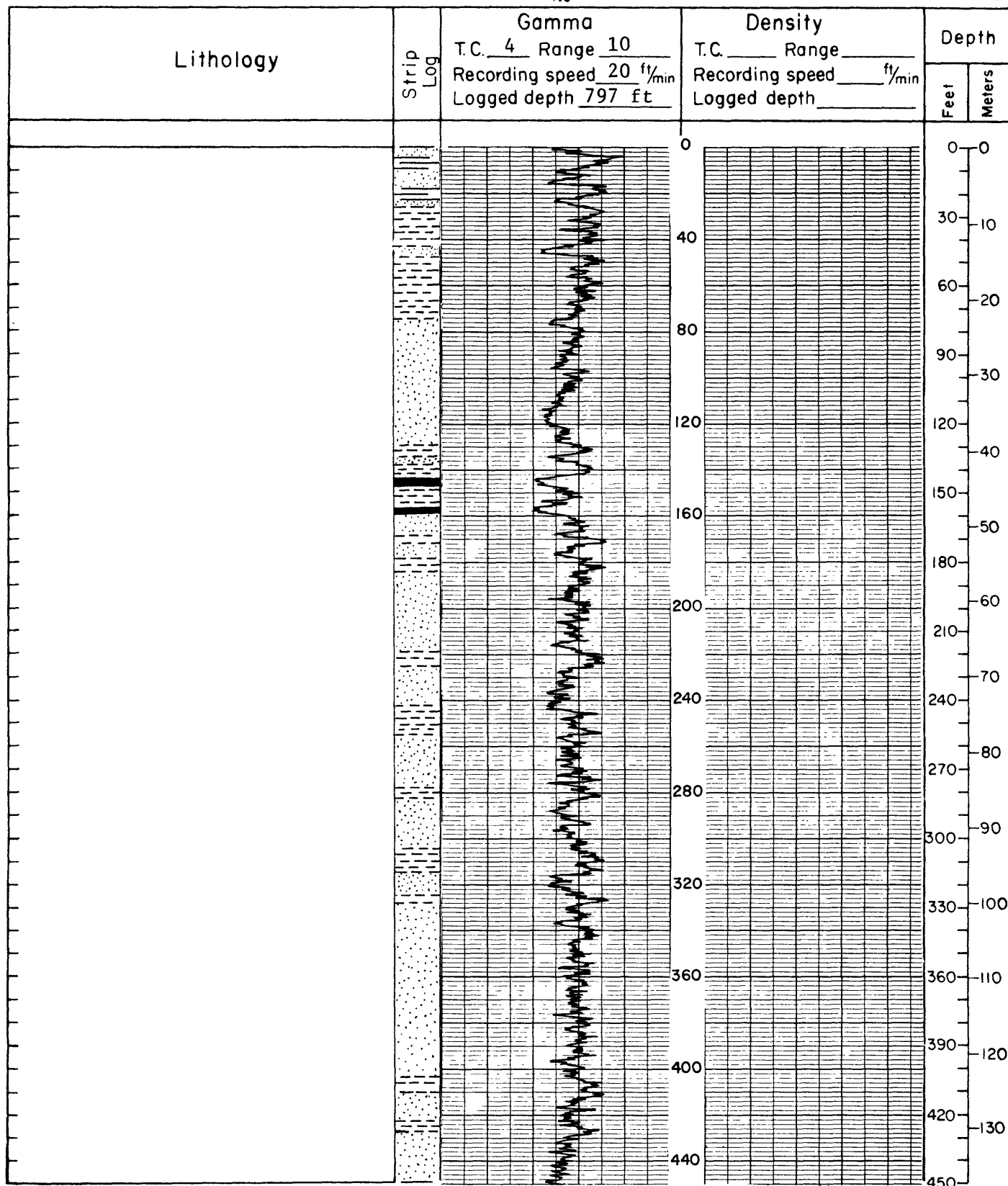
# Montana College of Mineral Science and Technology

Hole no: US-77217 Map: Coal Bank Draw Date: 9/1/77 State: Wyoming County: Converse  
 Elev.: 4981 ft Location: T. 40 N. 3 R. 70 W., Sec. 26, Tract BDCA Drilled depth: 800 ft  
 Measured: 2010 ft <sup>FNL</sup> ~~RSL~~ 1930 ft <sup>FEL</sup> ~~RWL~~ Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

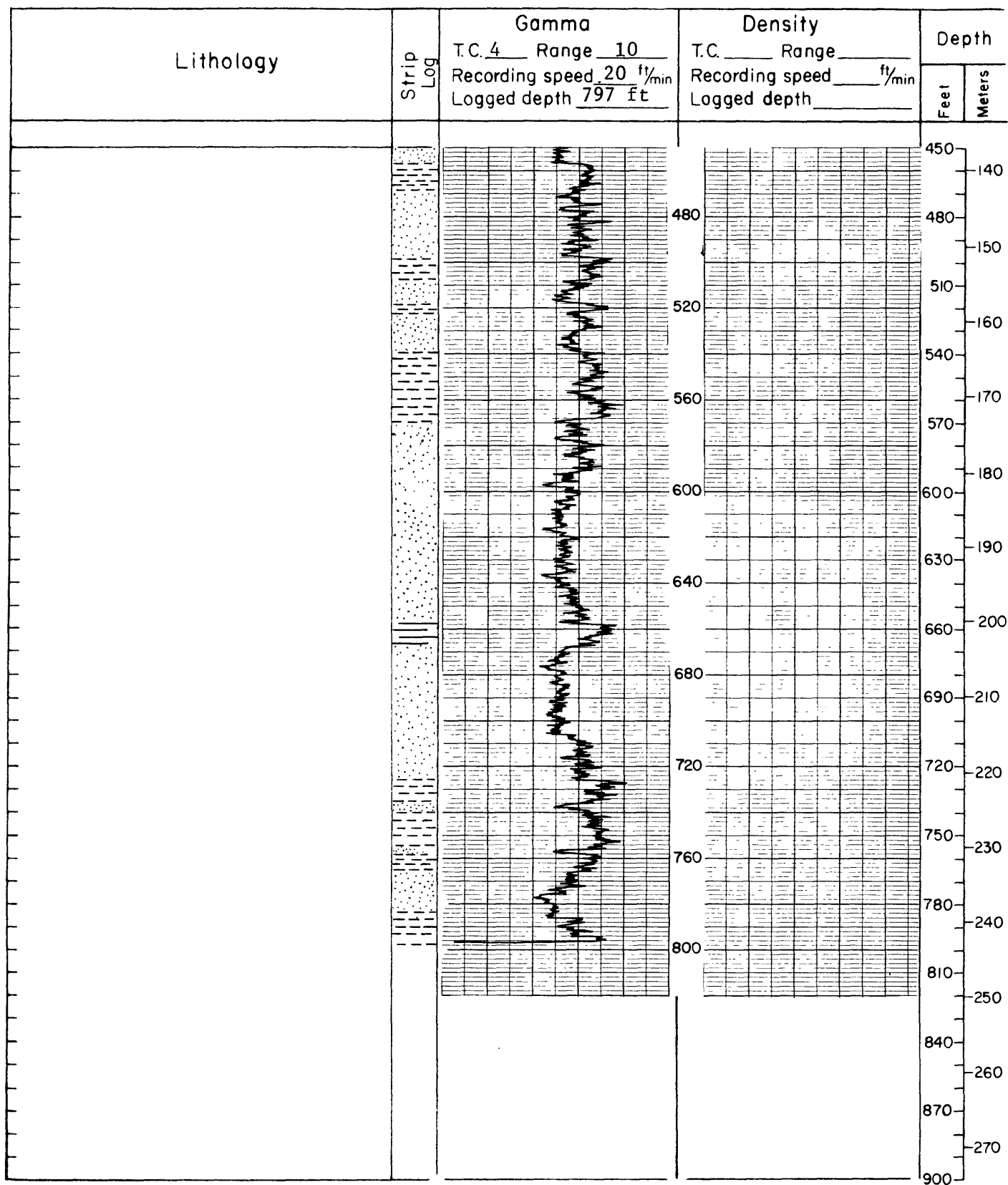
Recorded by: E. WOODS

Geologist <sup>XBS</sup> ~~No~~ Recorded by: F. KISTNER



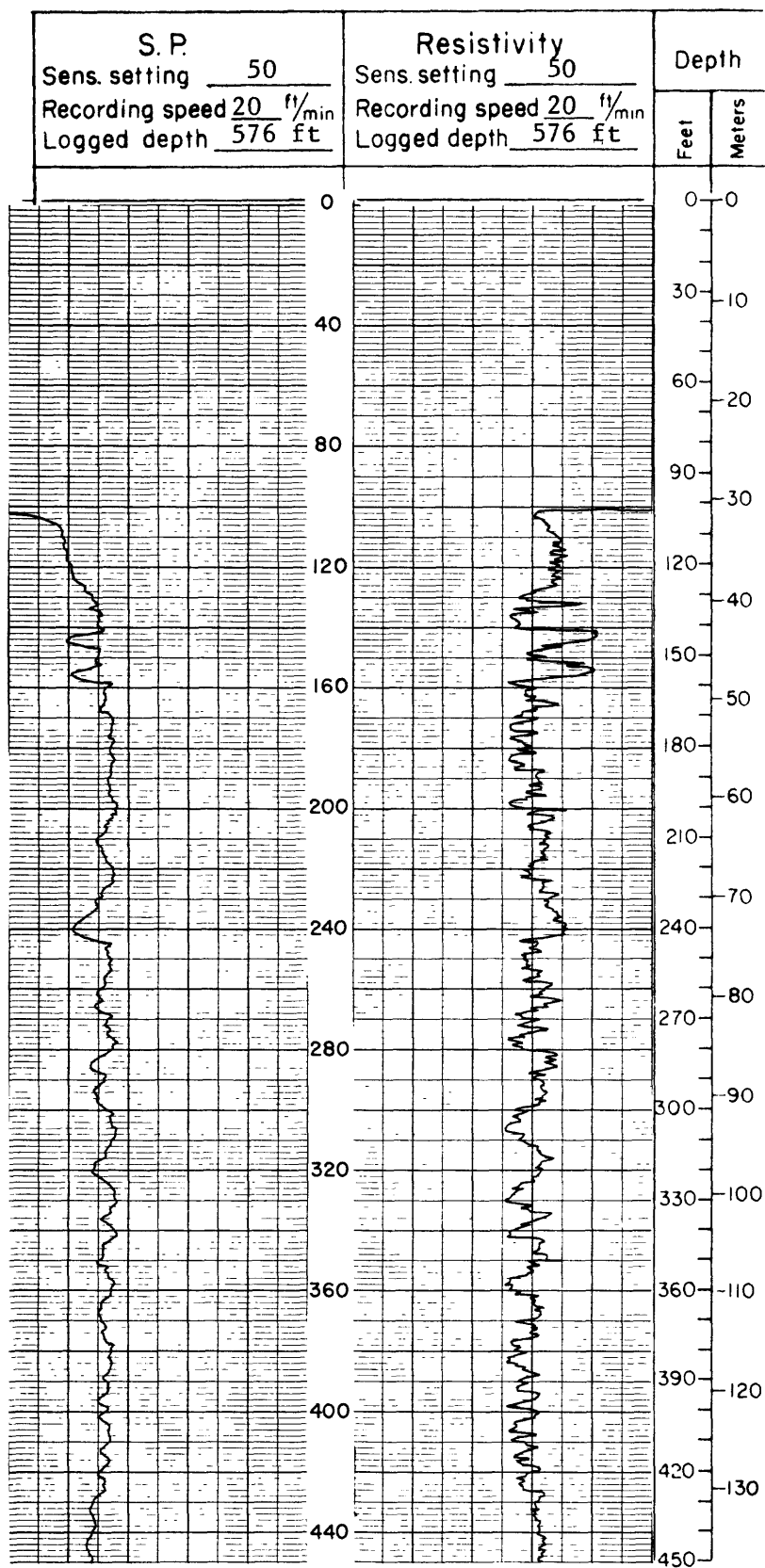
Hole number (continued)

US - 77217



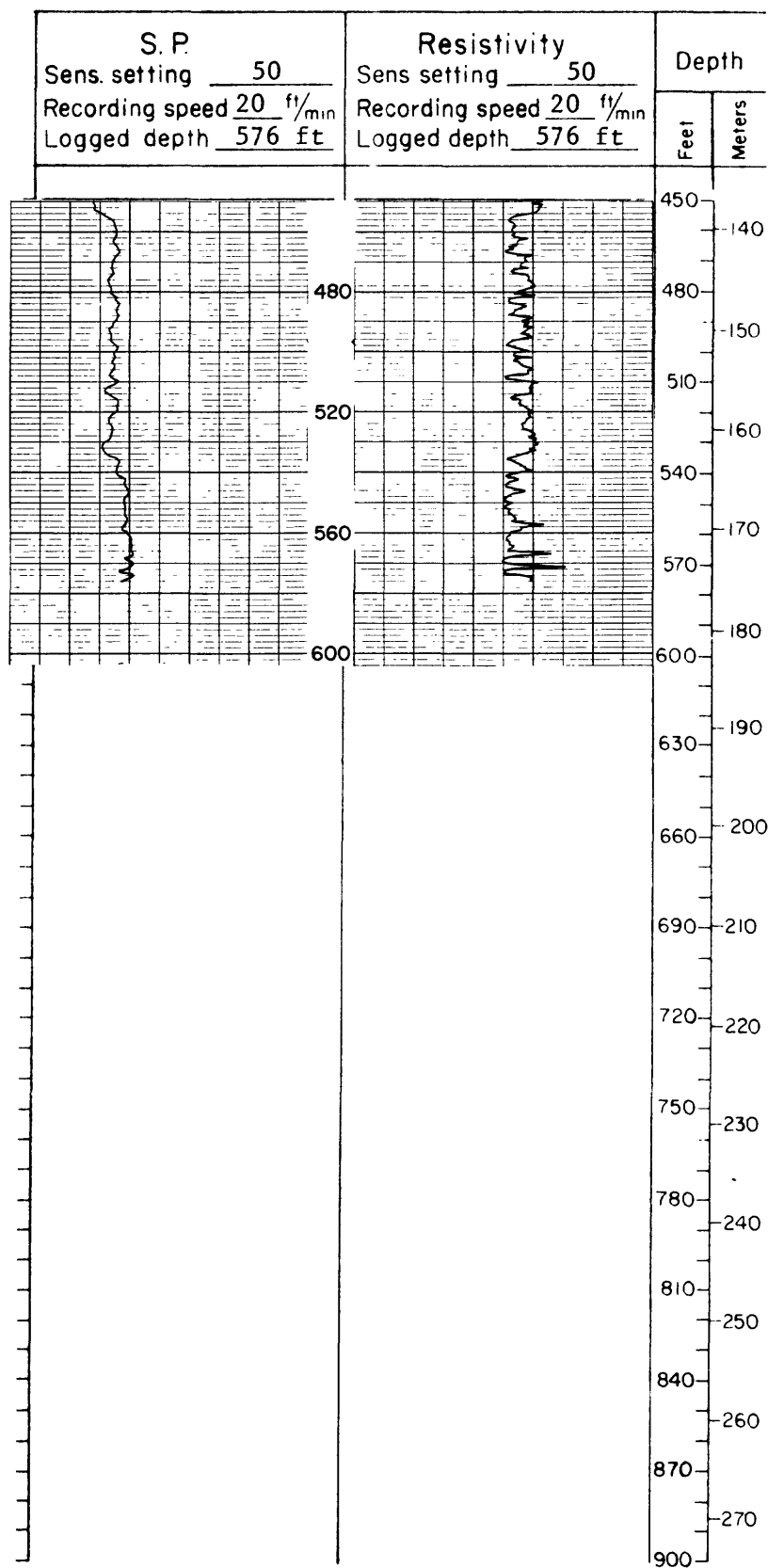
Hole number (continued)

US- 77217



# Hole number (continued)

US - 77217



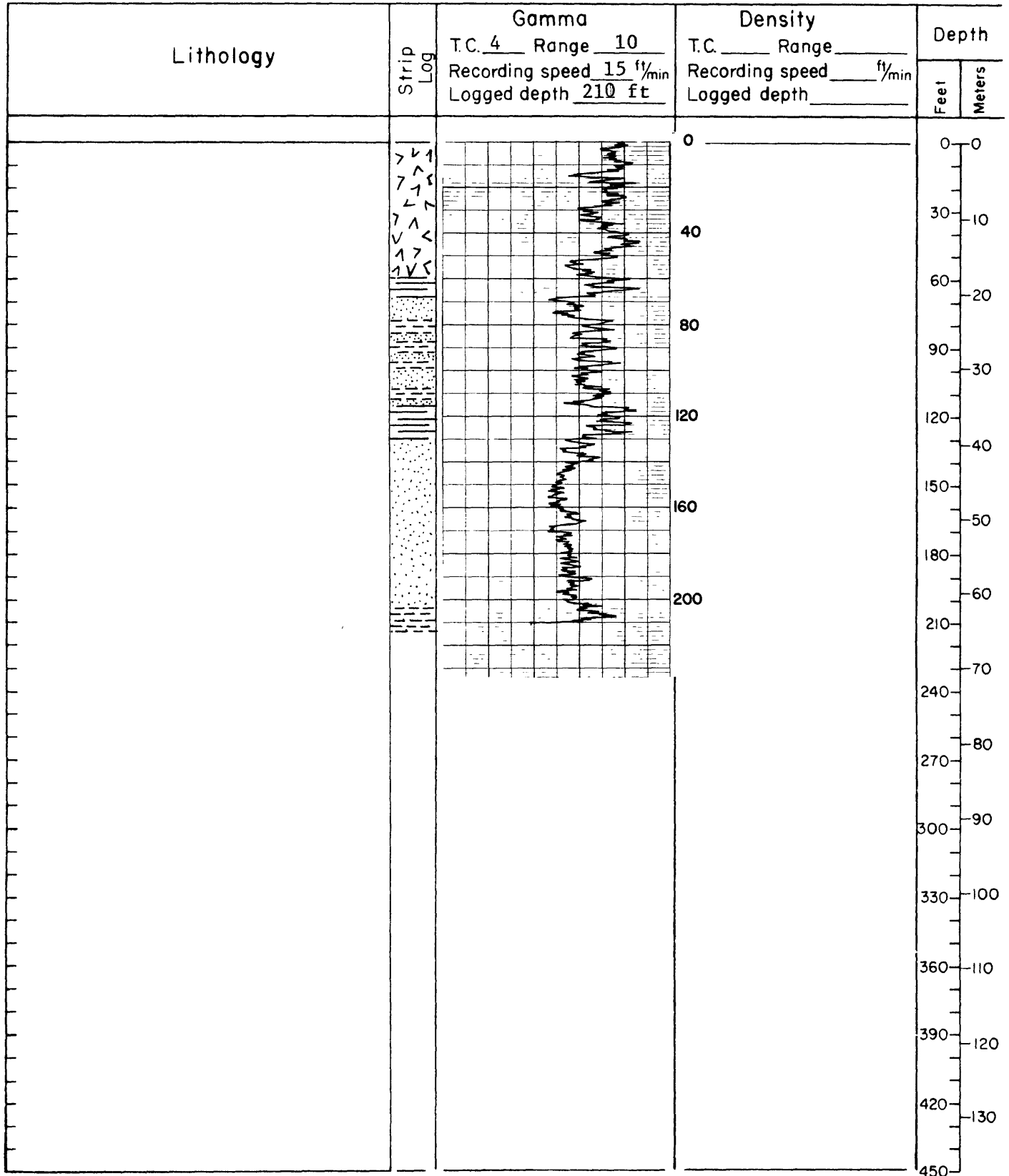
# Montana College of Mineral Science and Technology

Hole no: US-77218 Map: Teckla Date: 9/6/77 State: Wyoming County: Campbell  
 Elev.: 4620 ft Location: T. 41 N. 8, R. 70 W., Sec. 15, Tract BCBC Drilled depth: 215 ft  
 Measured: 1800 ft FNL 100 ft FWL FWL Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

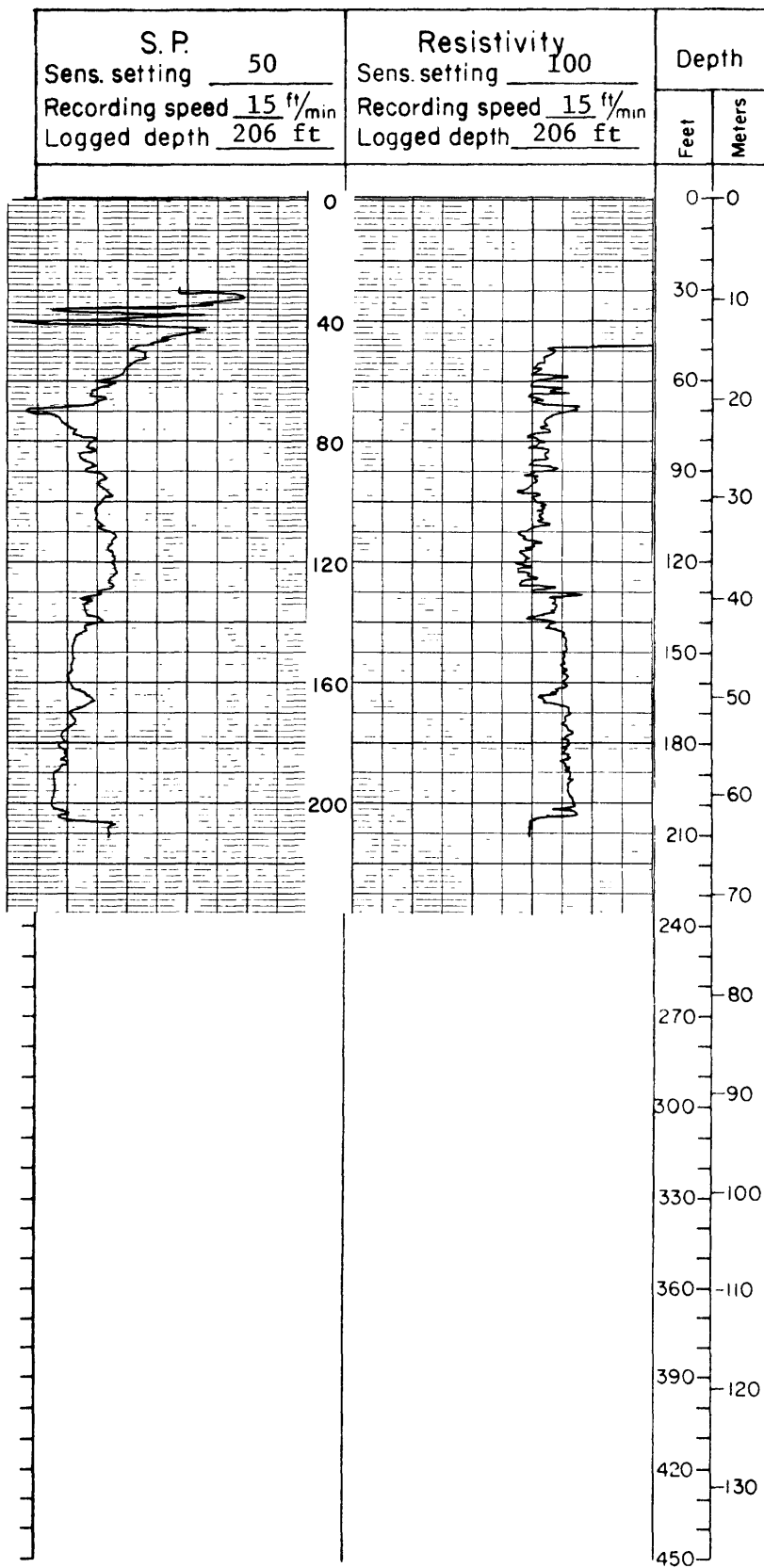
Recorded by: E. WOODS

Geologist <sup>XXXX</sup>No Recorded by: F. KISTNER



# Hole number (continued)

US - 77218



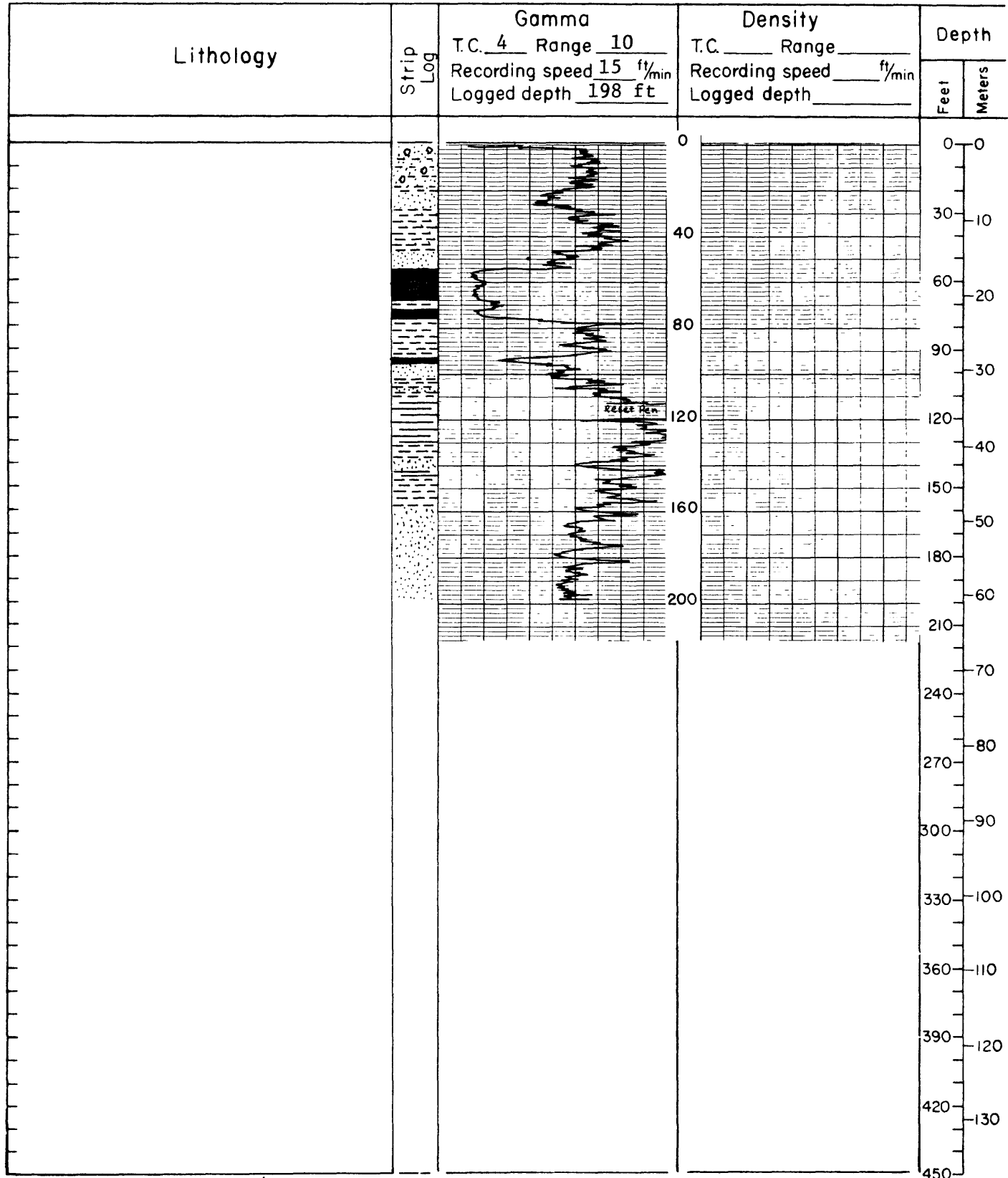
# Montana College of Mineral Science and Technology

Hole no: US-77219 Map: Piney Canyon SW Date: 9/7/77 State: Wyoming County: Campbell  
 Elev.: 4679 ft Location: T. 41 <sup>N.</sup><sub>S.</sub>, R. 70 <sup>E.</sup><sub>W.</sub>, Sec. 15, Tract AABB Drilled depth: 200 ft  
 Measured: 210 ft ~~FNL~~ 1120 ft ~~FEL~~ Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: E. WOODS

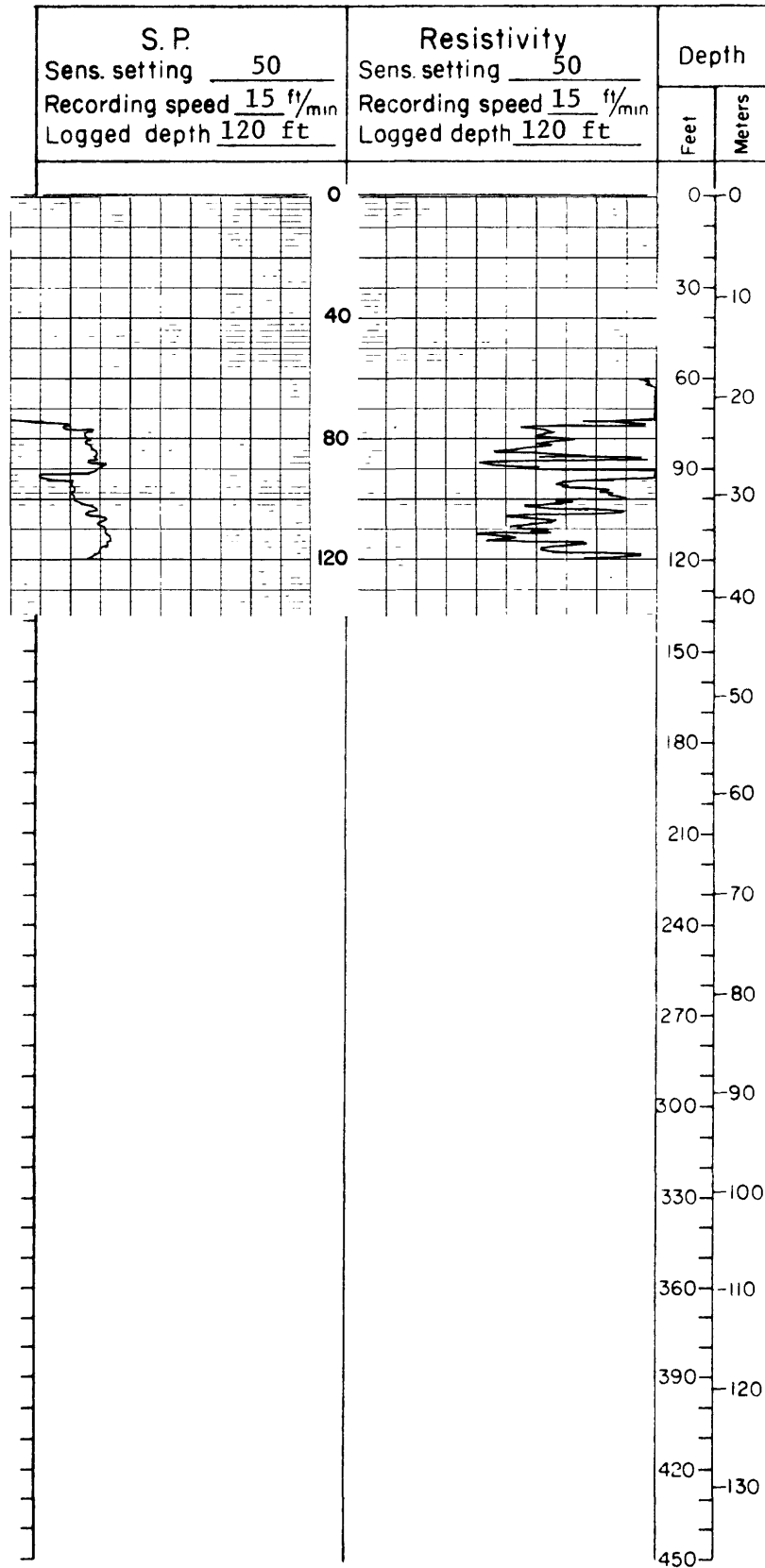
Geologist ~~XXXX~~ No. \_\_\_\_\_ Recorded by: F. KISTNER





Hole number (continued)

US - 77219



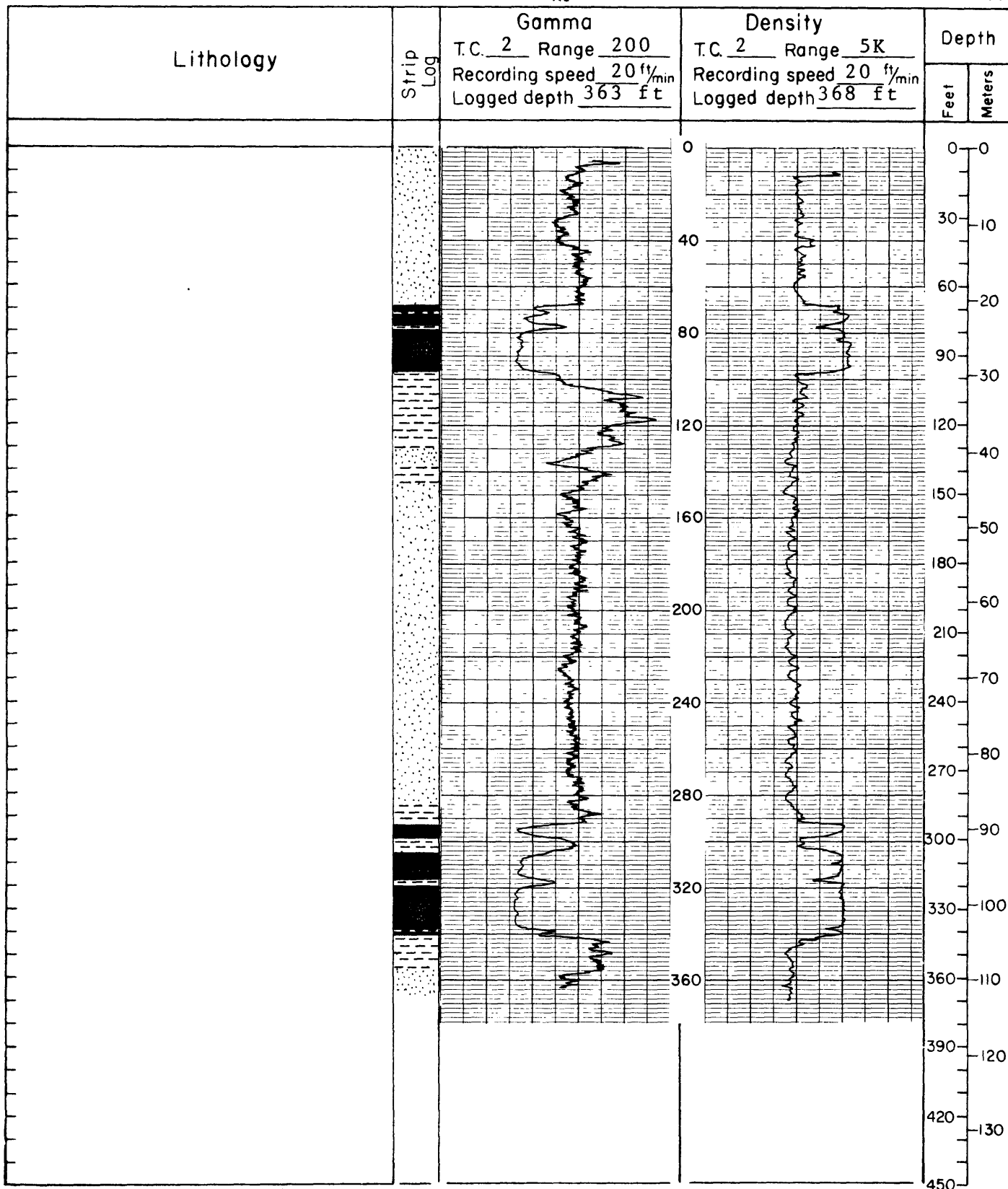
# Montana College of Mineral Science and Technology

Hole no US-77220 Map Homestead Draw SW Date 10/21/77 State Wyoming County Campbell  
 Elev. 4140 ft Location: T. 56 N. 3 R. 73 E. W. Sec. 15, Tract BABB Drilled depth: 370 ft  
 Measured: 200 ft FNL 1600 ft RBLX FWL Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

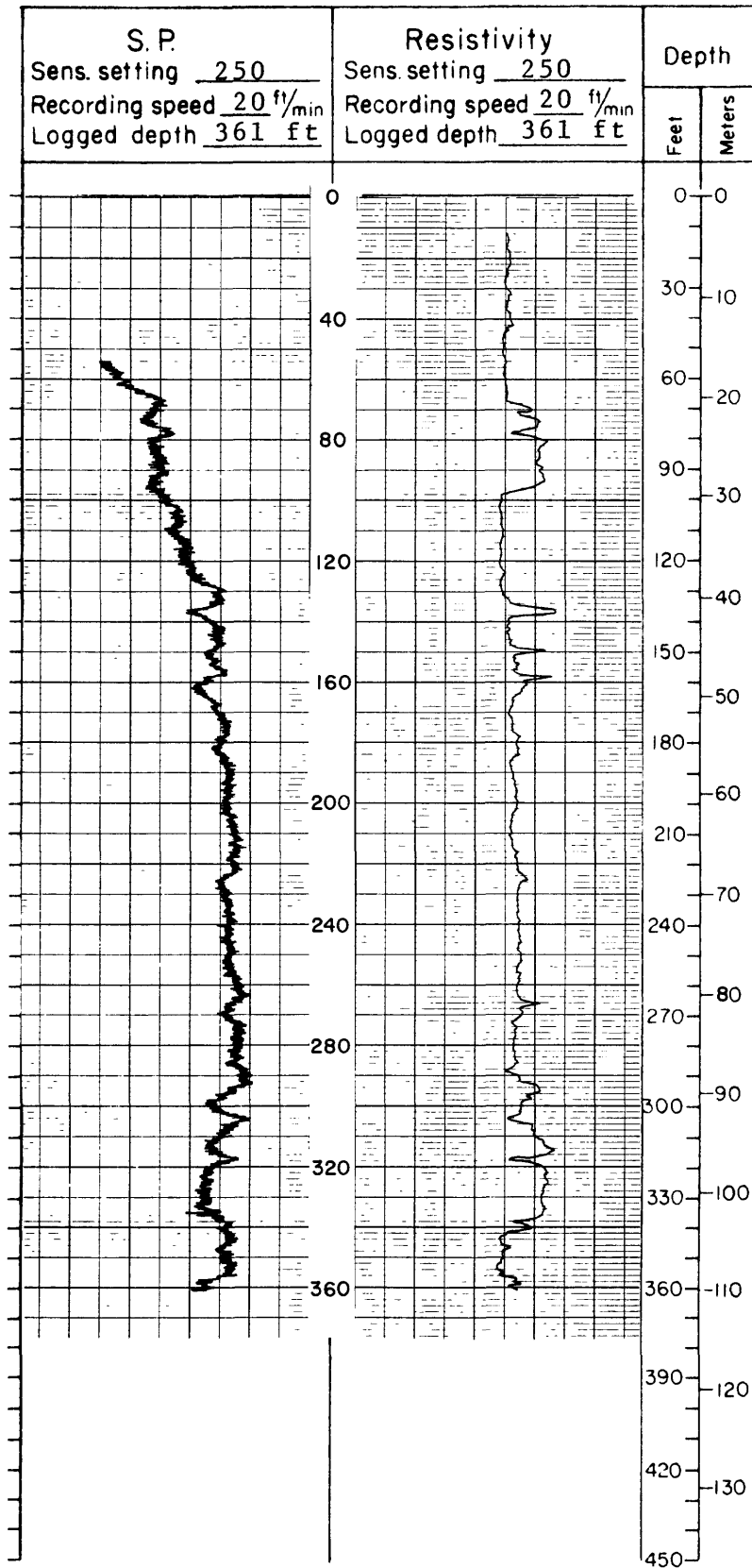
Recorded by: K. WILLIAMS

Geologist Yes No No Recorded by: L. SAUER



# Hole number (continued)

US- 77220



# Montana College of Mineral Science and Technology

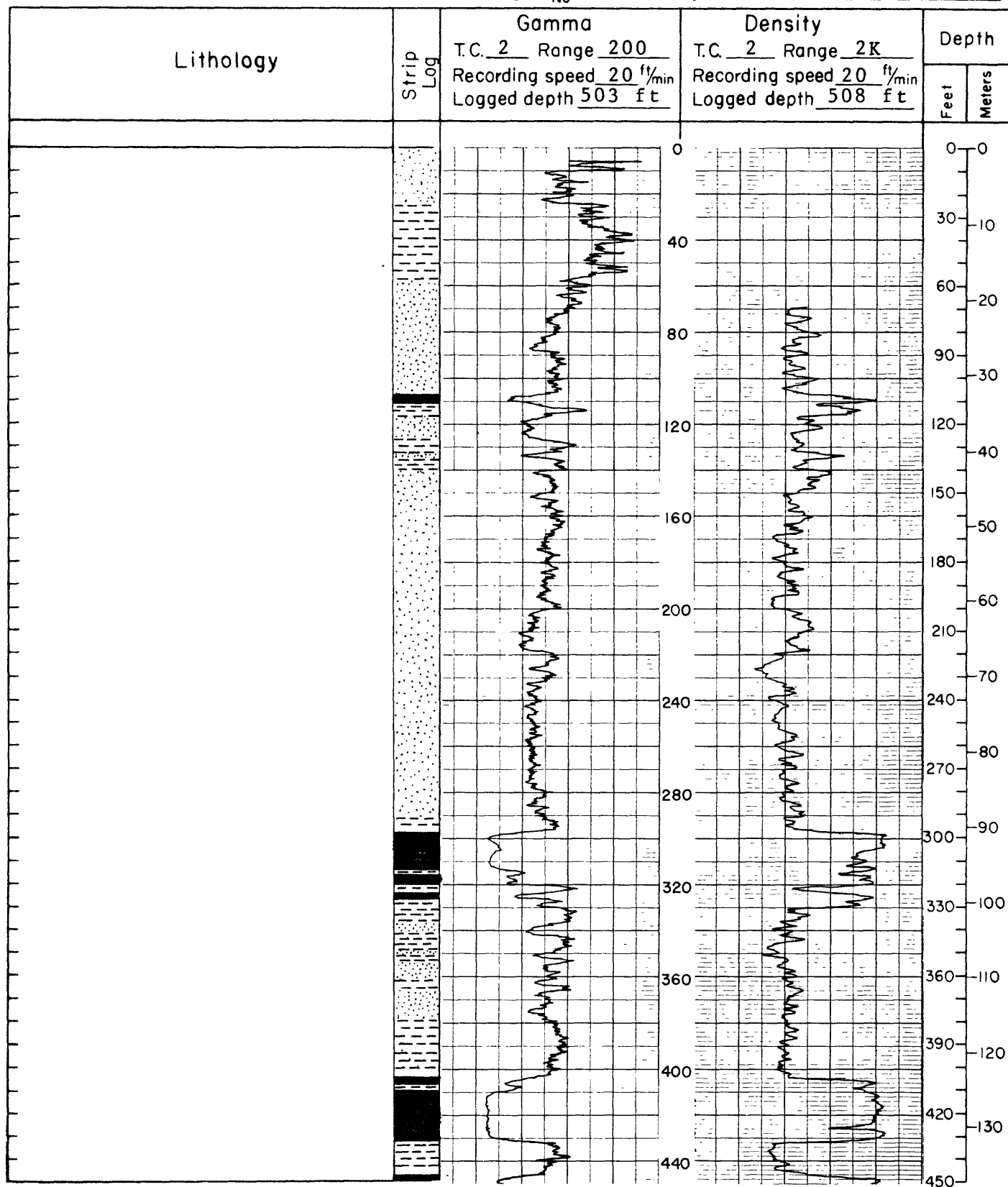
Hole no: US-77221 Map Homestead Draw SW Date 10/22/77 State: Wyoming County: Campbell  
 Elev.: 4014 ft Location: T. 57 N. 2, R. 73 W., Sec. 32, Tract CCDC Drilled depth: 510 ft  
 Measured: 200 ft <sup>RNL</sup> FSL, 750 ft <sup>RSL</sup> FWL Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

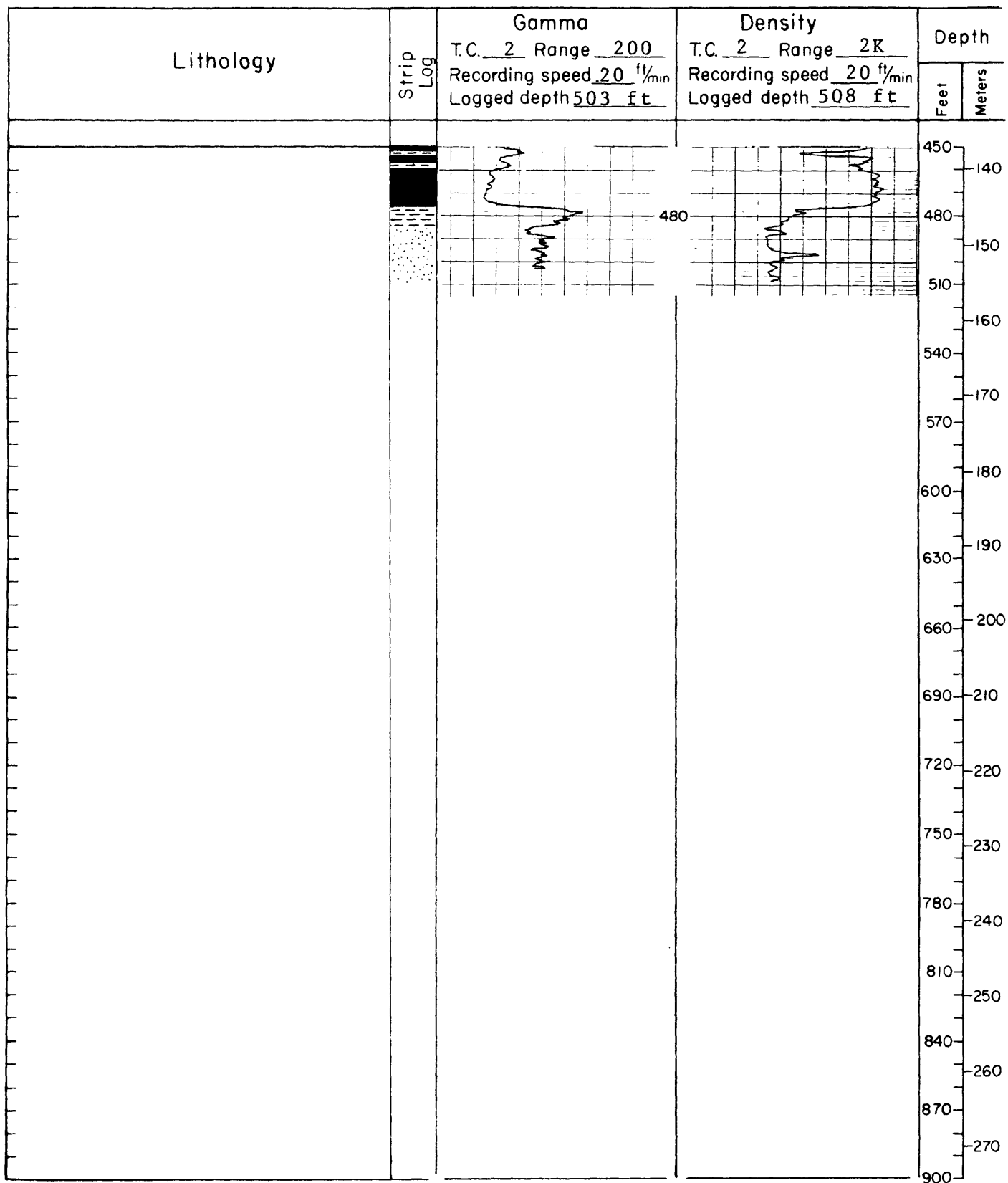
Geologist <sup>Yes</sup> No

Recorded by: L. SAUER



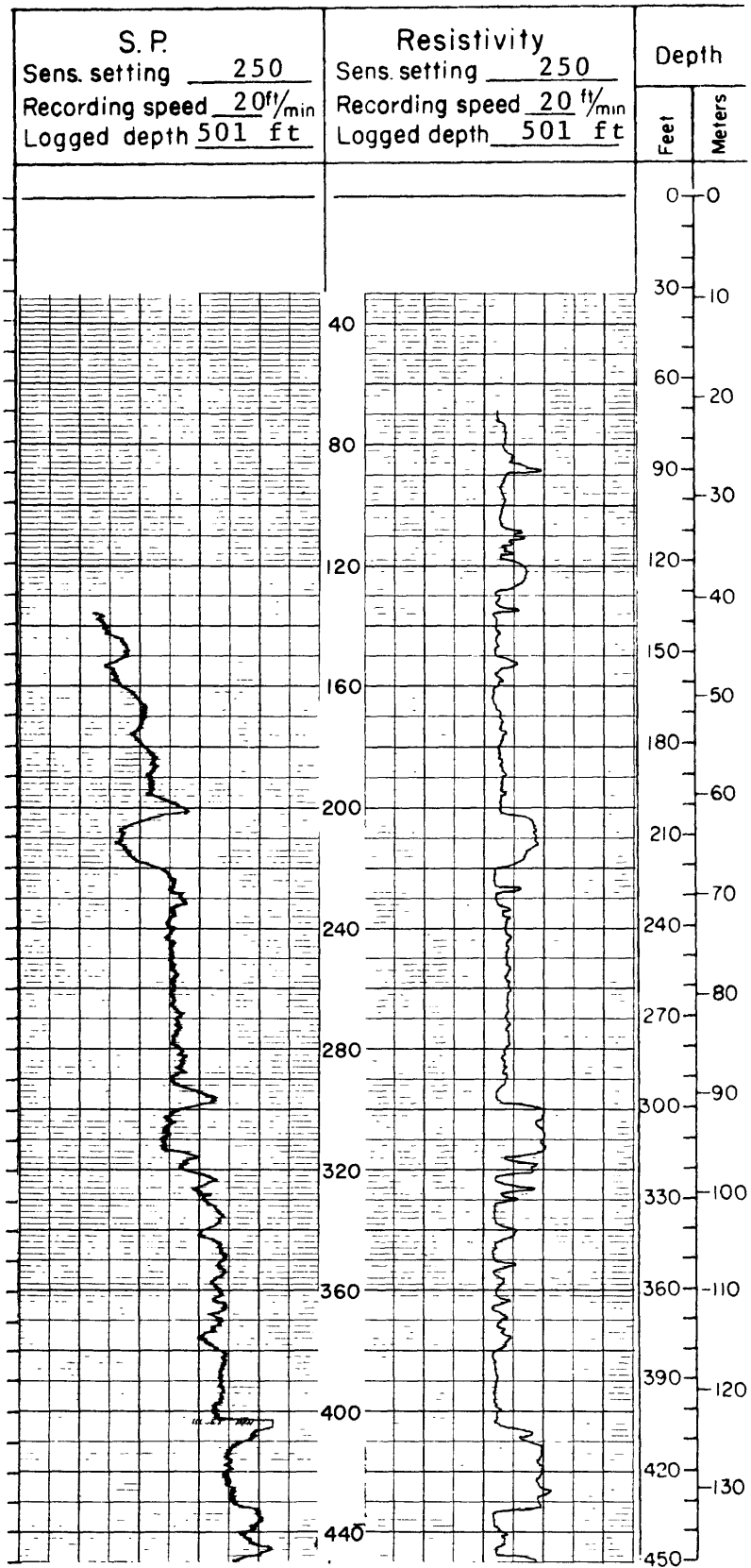
Hole number (continued)

US- 77221



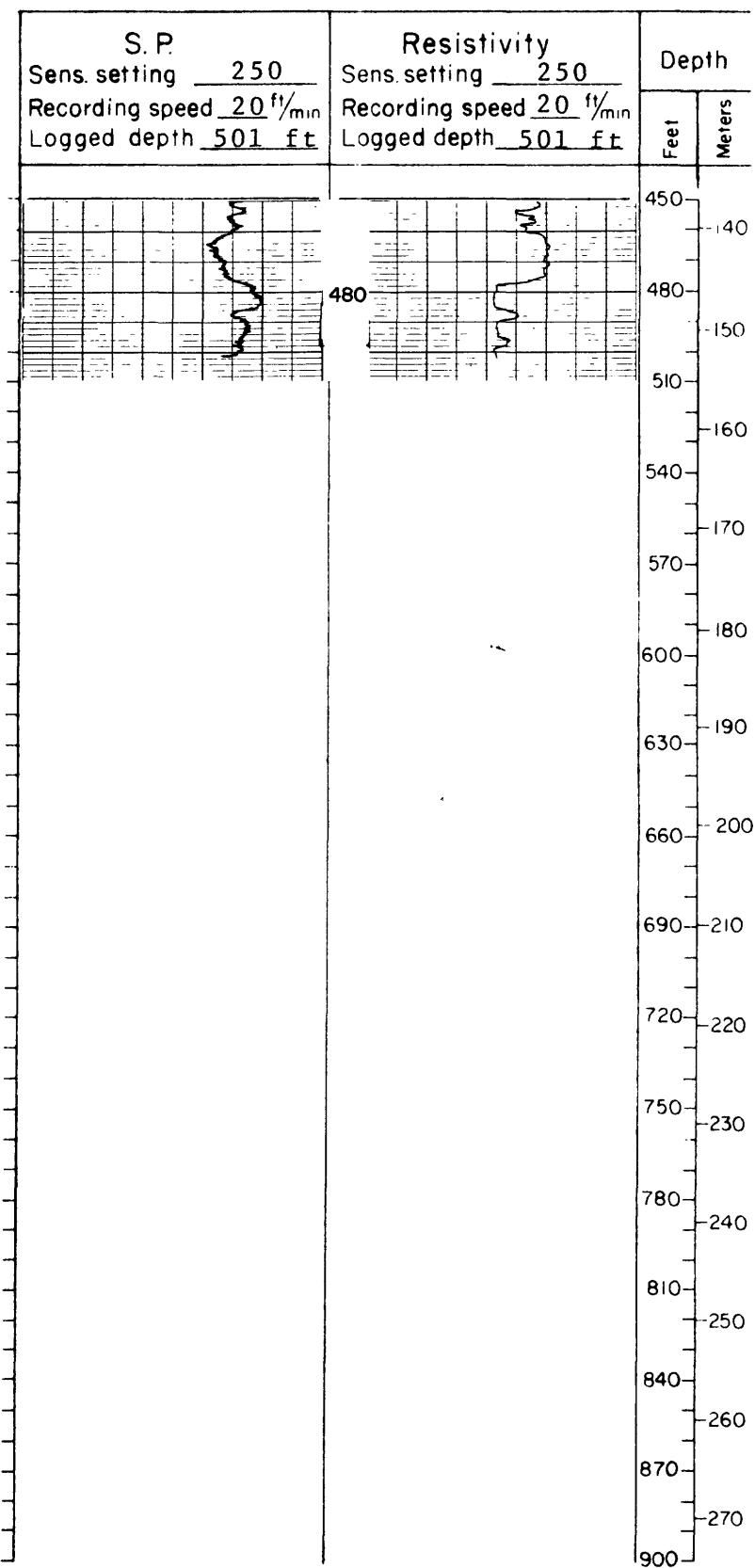
# Hole number (continued)

US-77221



Hole number (continued)

US-77221



# Montana College of Mineral Science and Technology

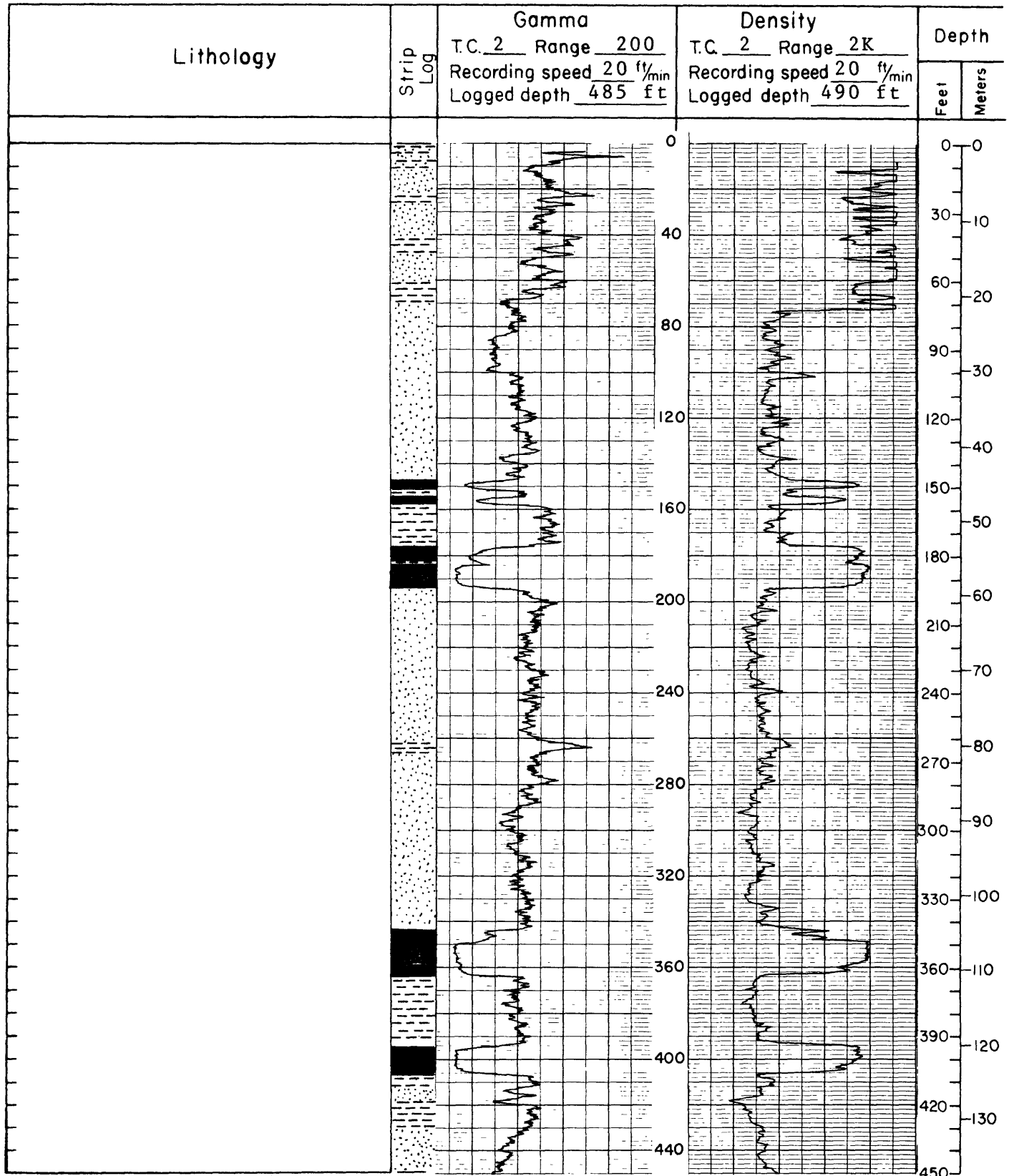
Hole no: US-77222 Map Homestead Draw SW Date 10/22/77 State: Wyoming County: Campbell  
 Elev.: 4064 ft Location: T. 56 N. R. 74 W. Sec. 24, Tract AADB Drilled depth: 490 ft  
 Measured: 900 ft <sup>FNL</sup> ~~KSL~~, 600 ft <sup>FEL</sup> ~~KAX~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist <sup>Yes</sup> ~~No~~

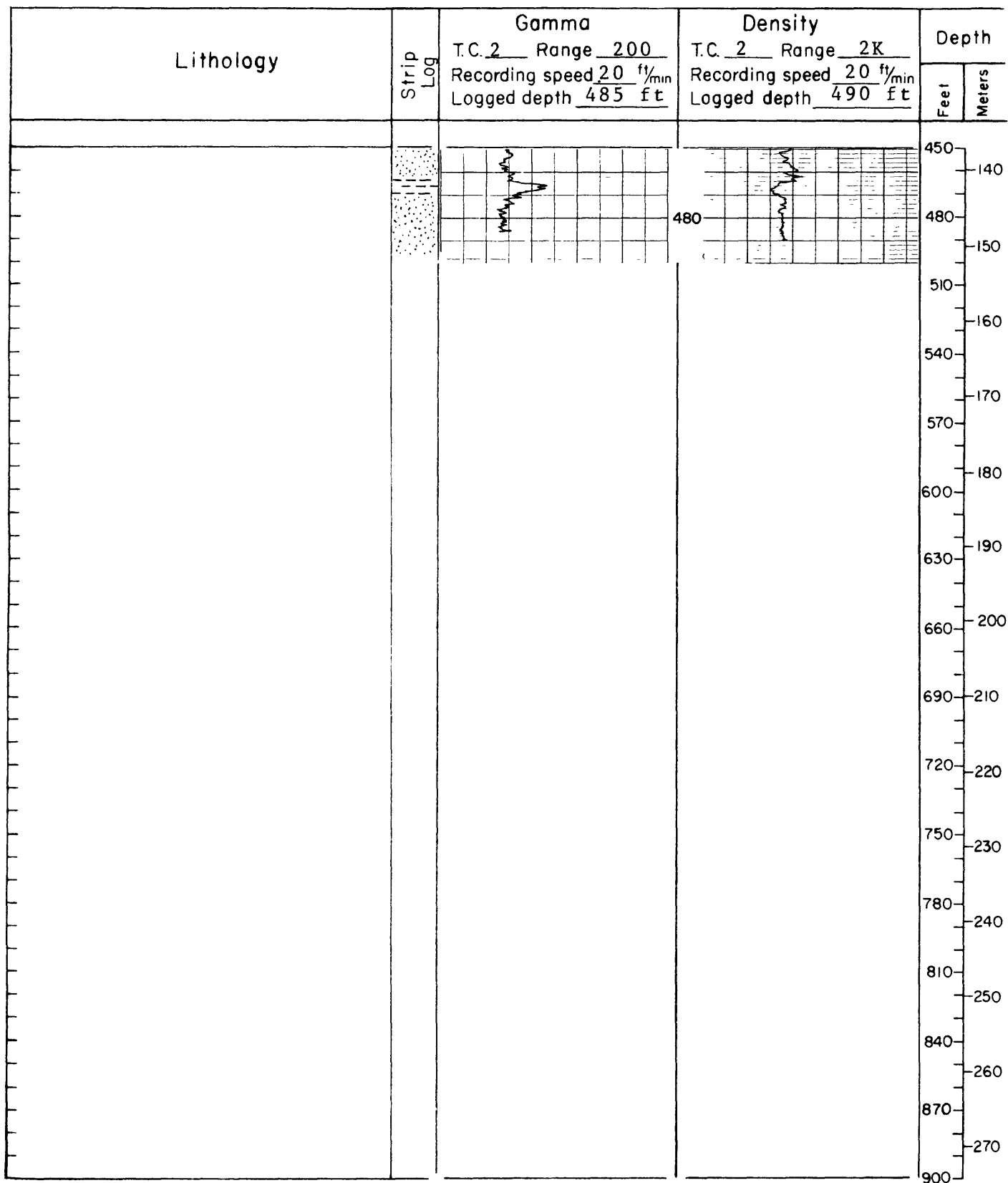
Recorded by: L. SAUER





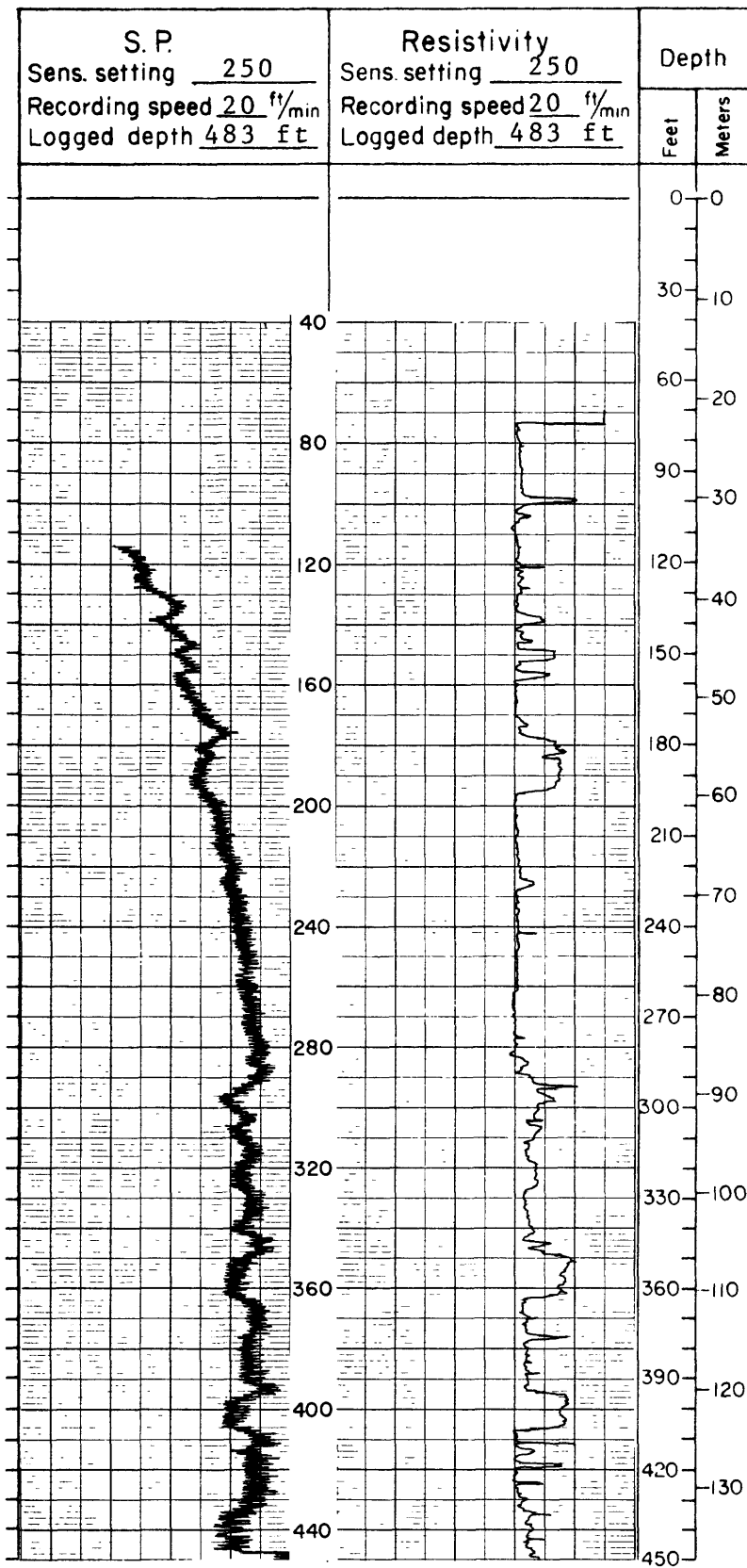
Hole number (continued)

US - 77222



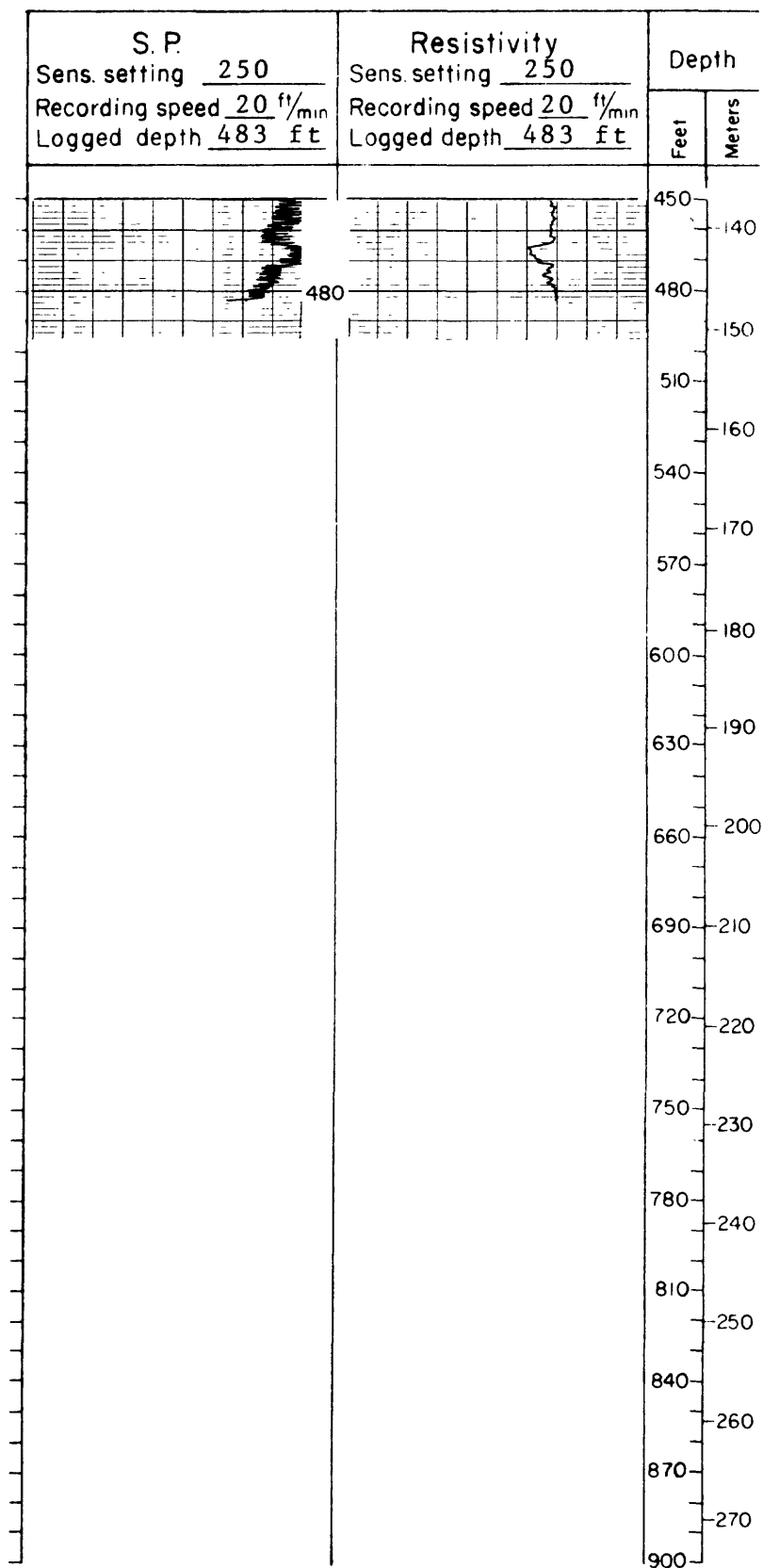
# Hole number (continued)

US- 77222



# Hole number (continued)

US - 77222



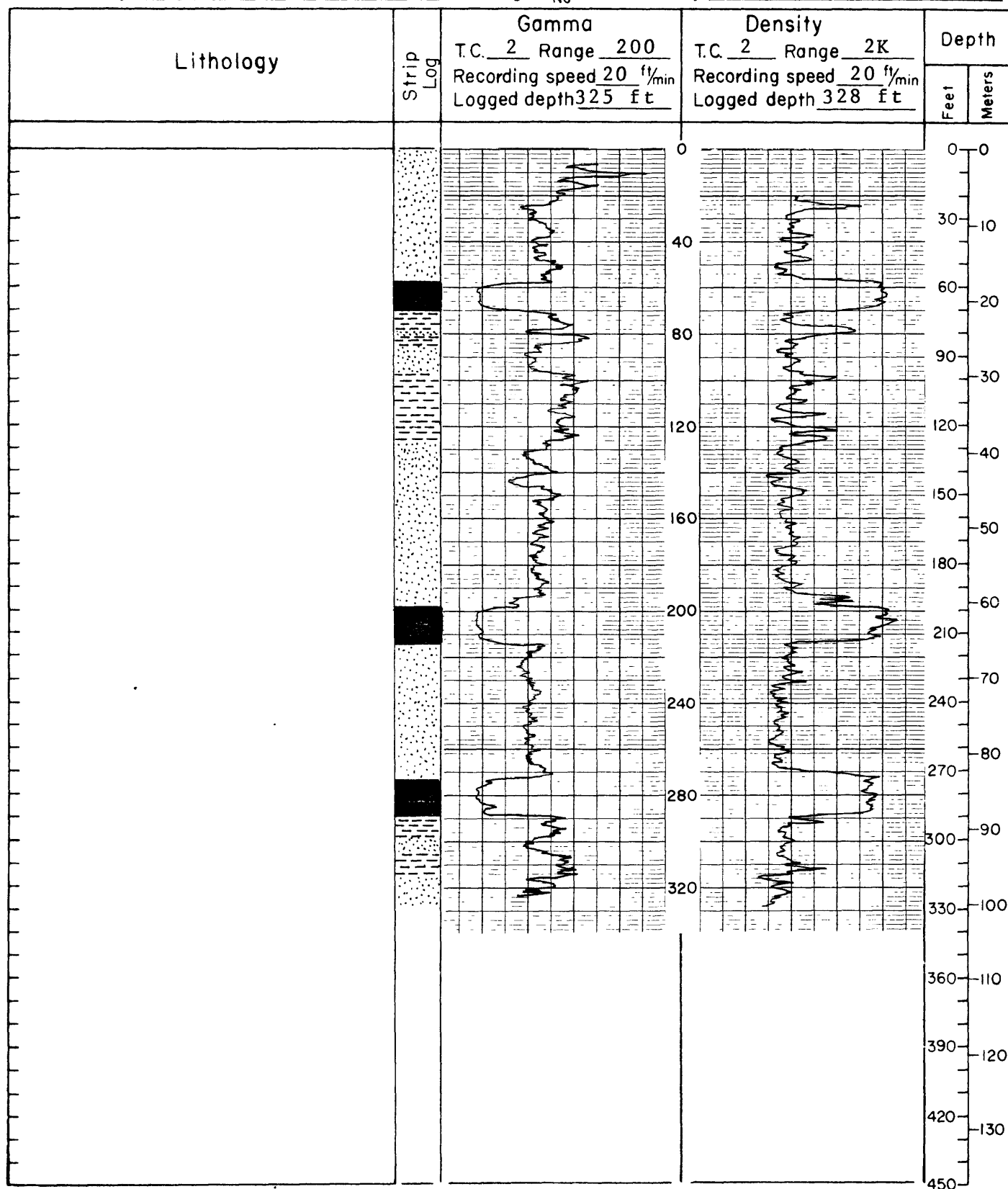
# Montana College of Mineral Science and Technology

Hole no: US-77223 Map Homestead Draw SW Date 10/23/77 State: Wyoming County: Campbell  
 Elev.: 4007 ft Location: T. 56 N. R. 74 W. Sec. 11, Tract CABB Drilled depth: 330 ft  
 Measured: 2500 ft ~~RKX~~ FSL, 1500 ft ~~RKX~~ FWL Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

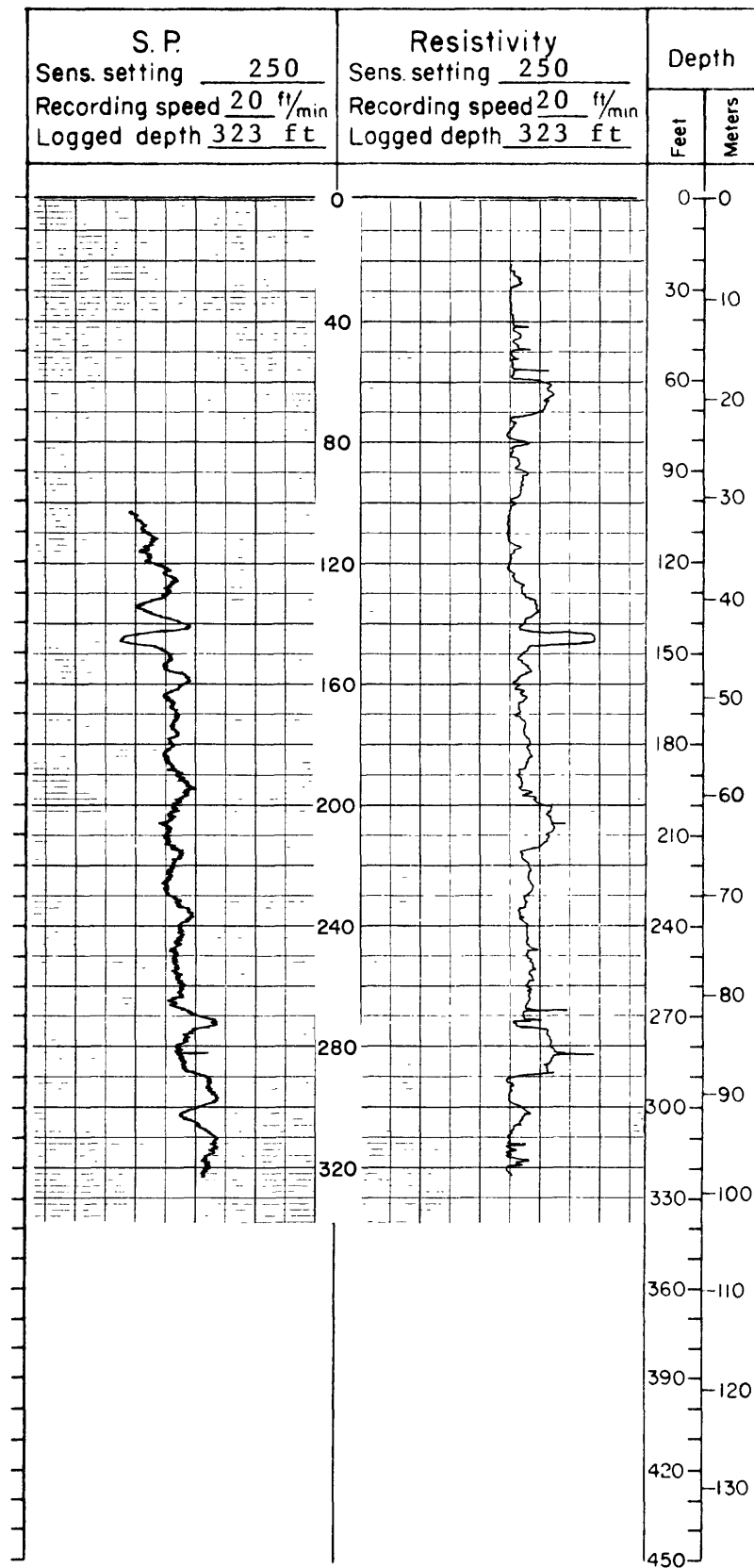
Recorded by: K. WILLIAMS

Geologist ~~76K~~ No Recorded by: L. SAUER



Hole number (continued)

US-77223



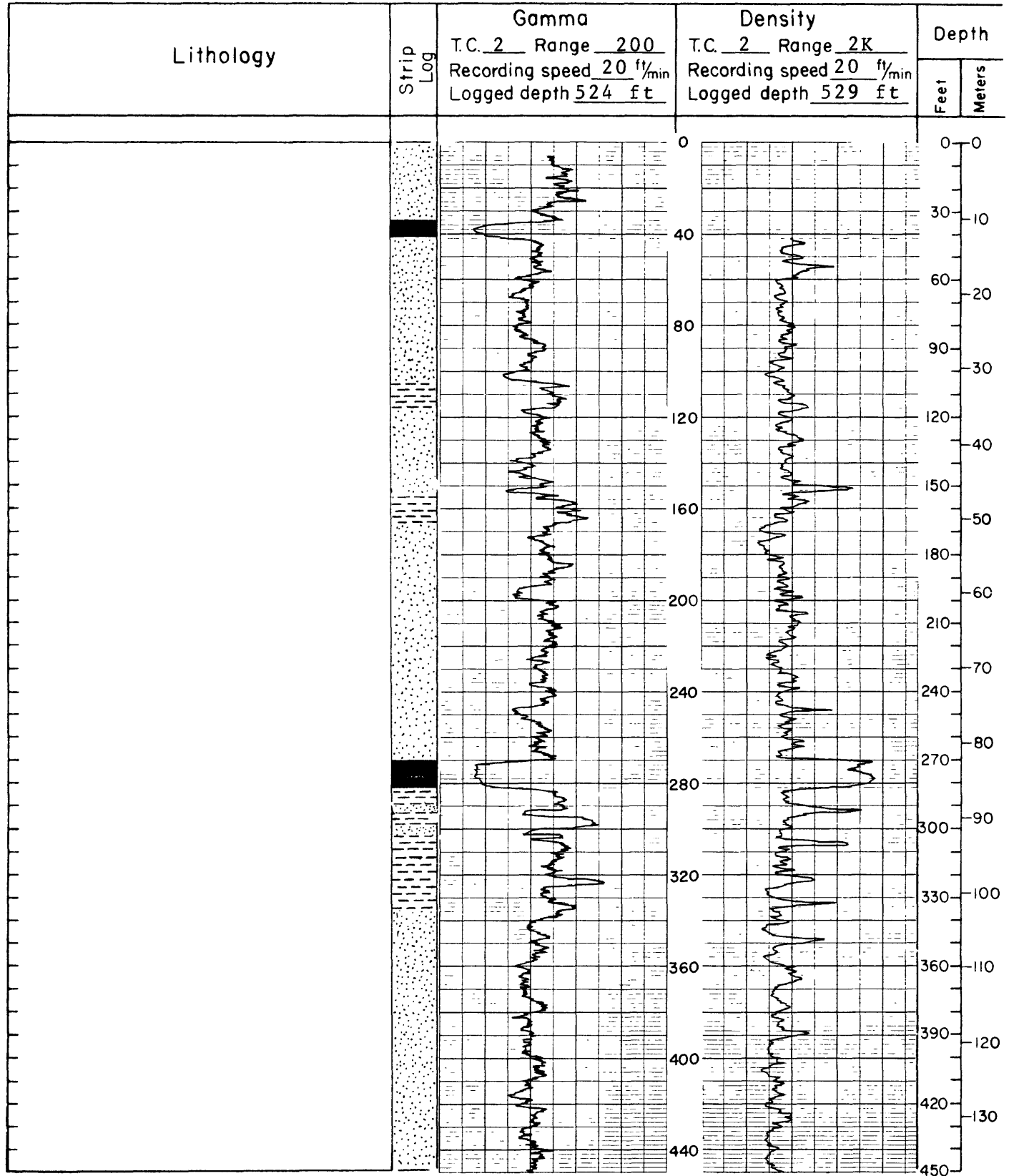
**Montana College of Mineral Science and Technology**

Hole no: US-77224 Map Homestead Draw SW Date: 10/23/75 State: Wyoming County: Campbell  
 Elev.: 4171 ft Location: T. 56 <sup>N.</sup> <sub>S.</sub>, R. 74 <sup>E.</sup> <sub>W.</sub>, Sec. 15, Tract ADBC Drilled depth: 530 ft  
 Measured: 1900 ft <sup>FNL</sup> ~~RSX~~ 1200 ft <sup>FEL</sup> ~~FWX~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

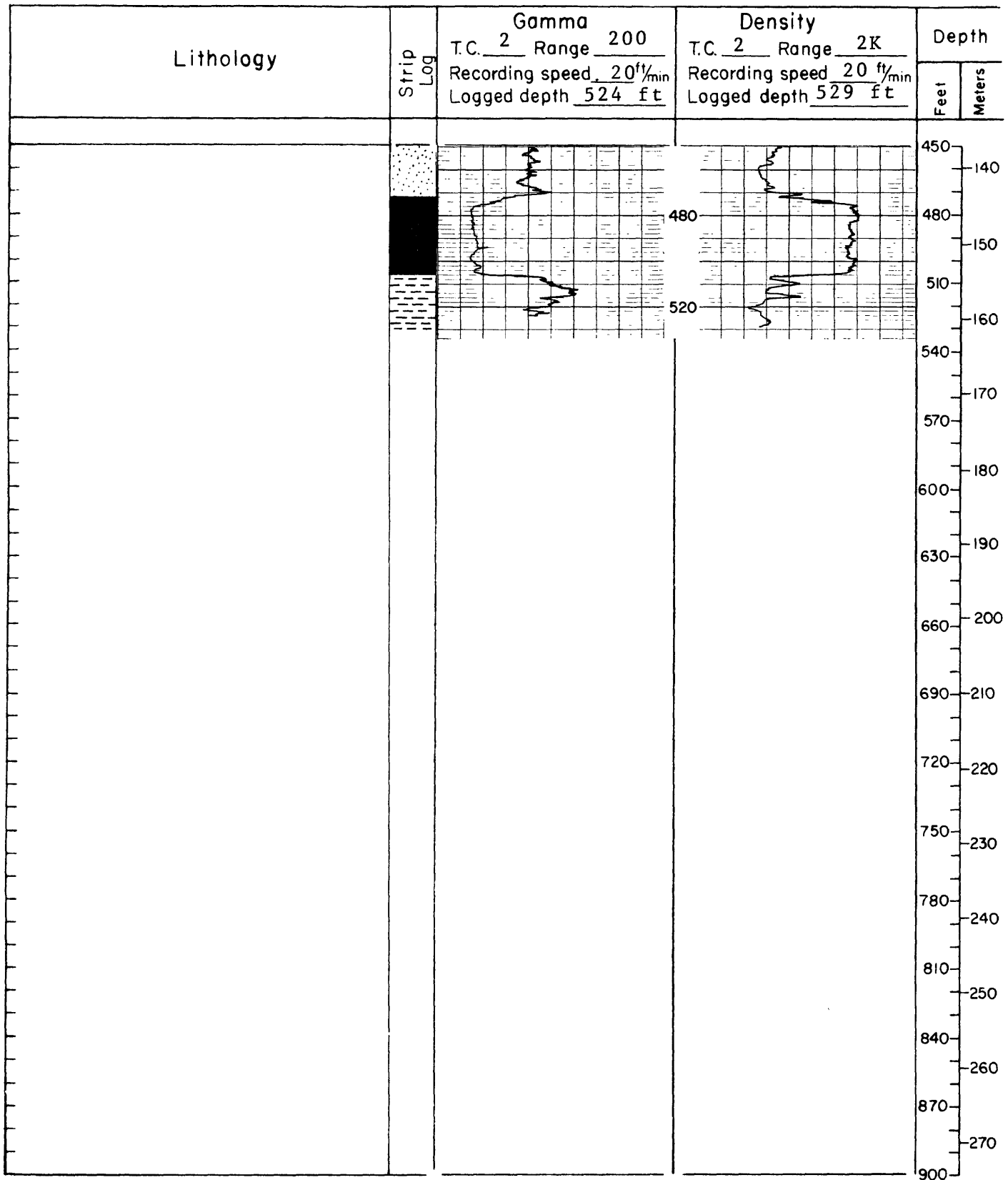
Recorded by: K. WILLIAMS

Geologist ~~Yes~~ <sup>No</sup> Recorded by: L. SAUER



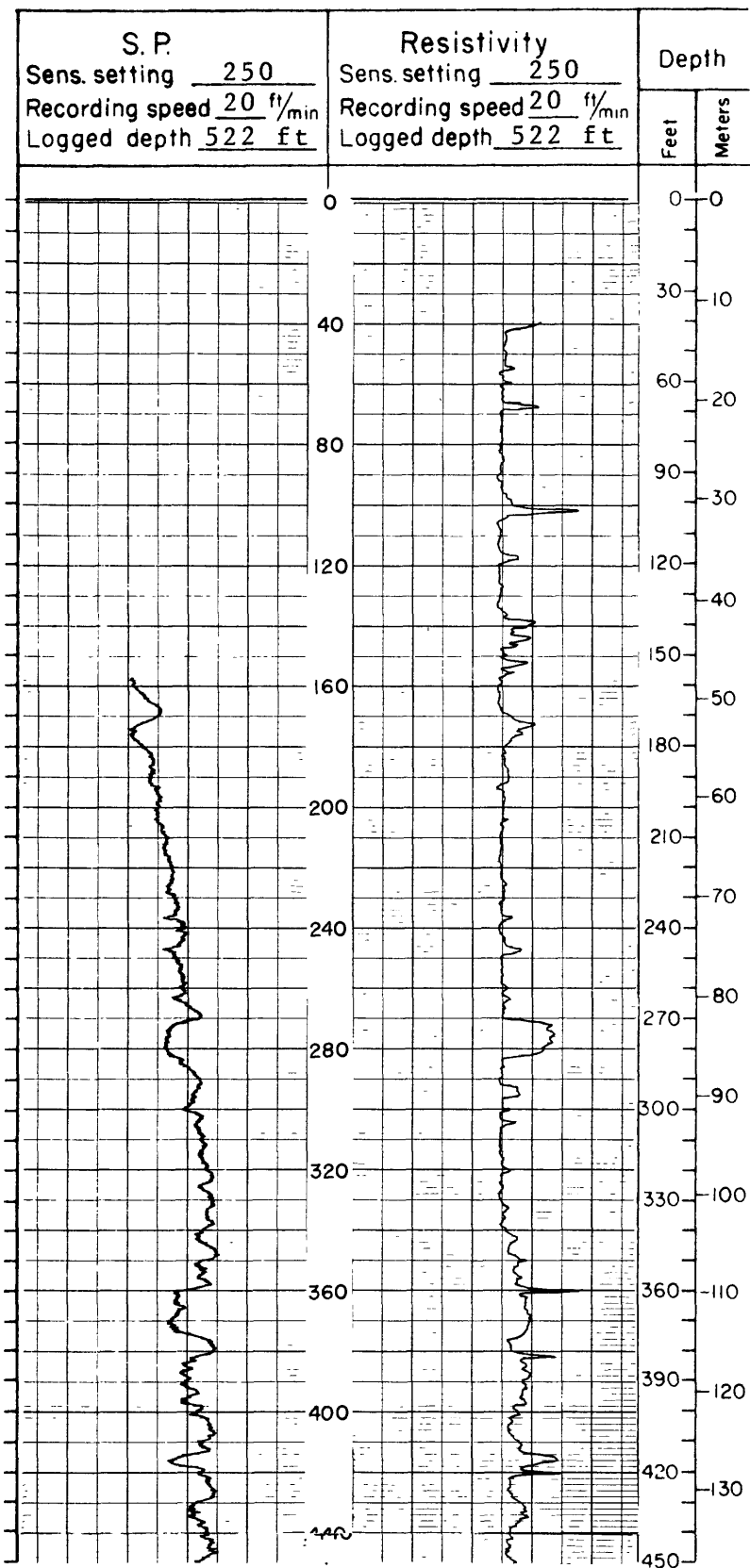
Hole number (continued)

US-77224



Hole number (continued)

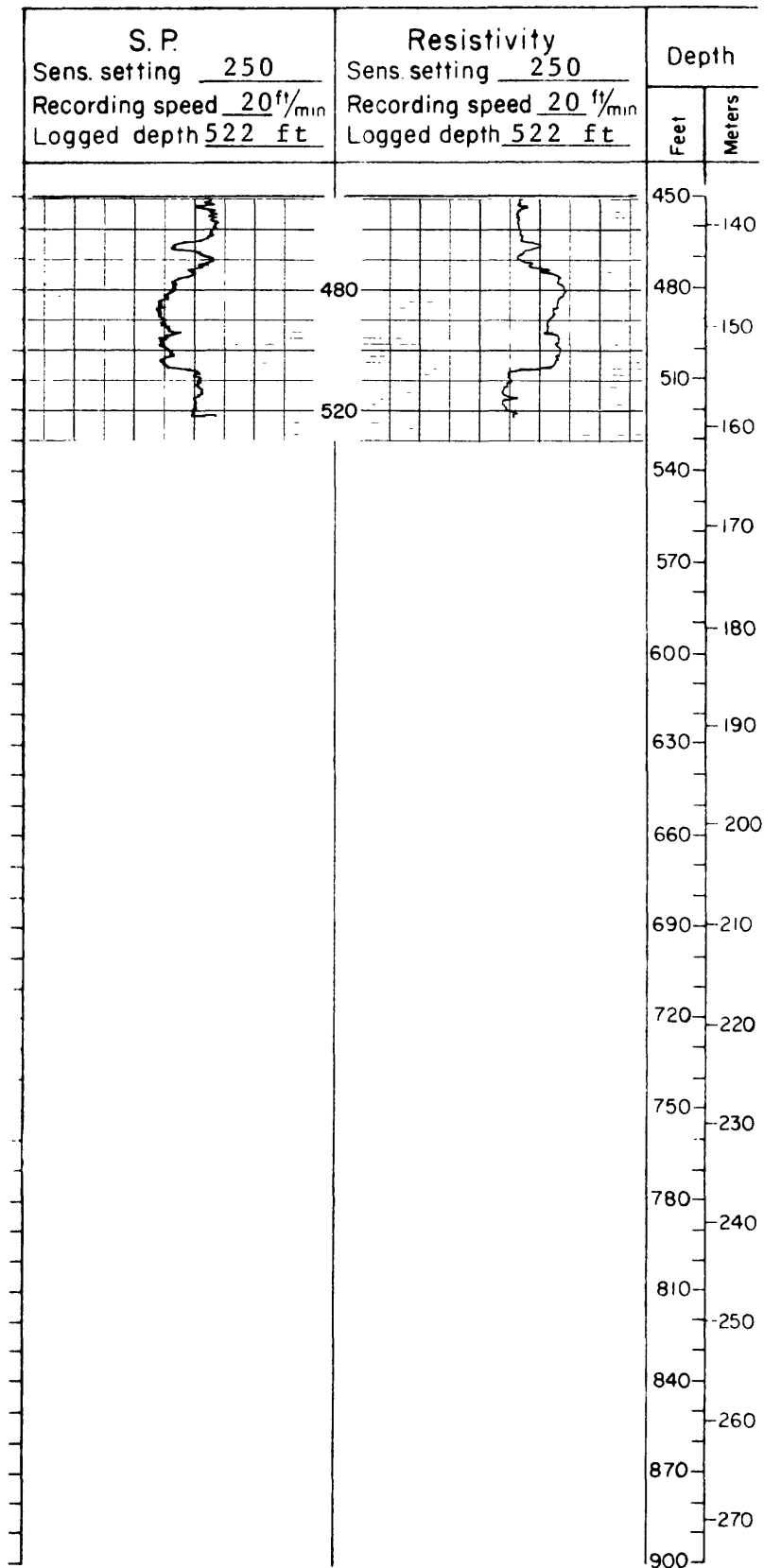
US- 77224





Hole number (continued)

US - 77224



# Montana College of Mineral Science and Technology

Hole no: US-77225 Map Homestead Draw SW Date 02/4/77 State Wyoming County Campbell

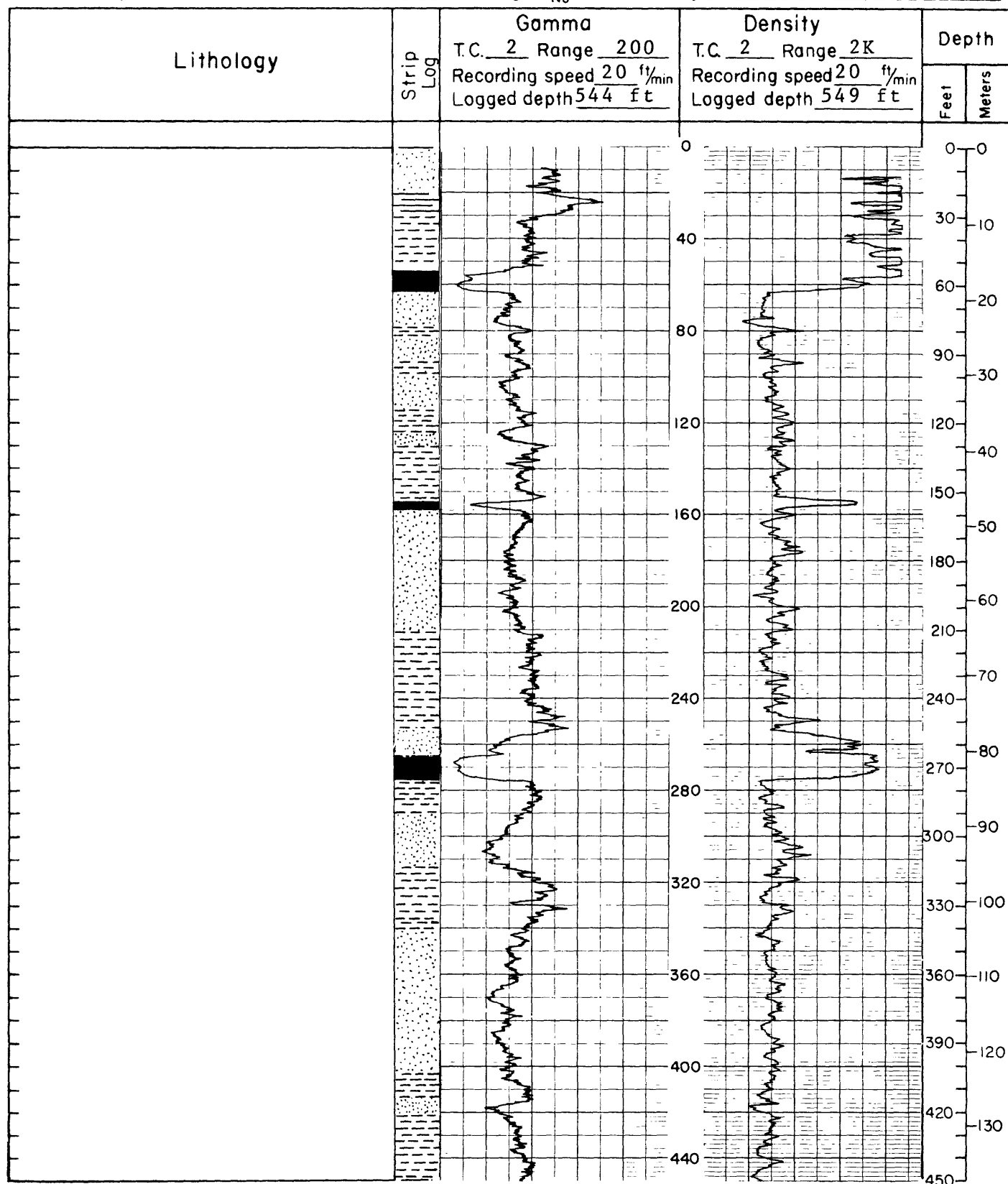
Elev: 4187 ft Location: T. 56 N. 8, R. 74 W, Sec. 26, Tract DCCA Drilled depth: 550 ft

Measured: 500 ft ~~FSL~~ 2250 ft ~~FWL~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

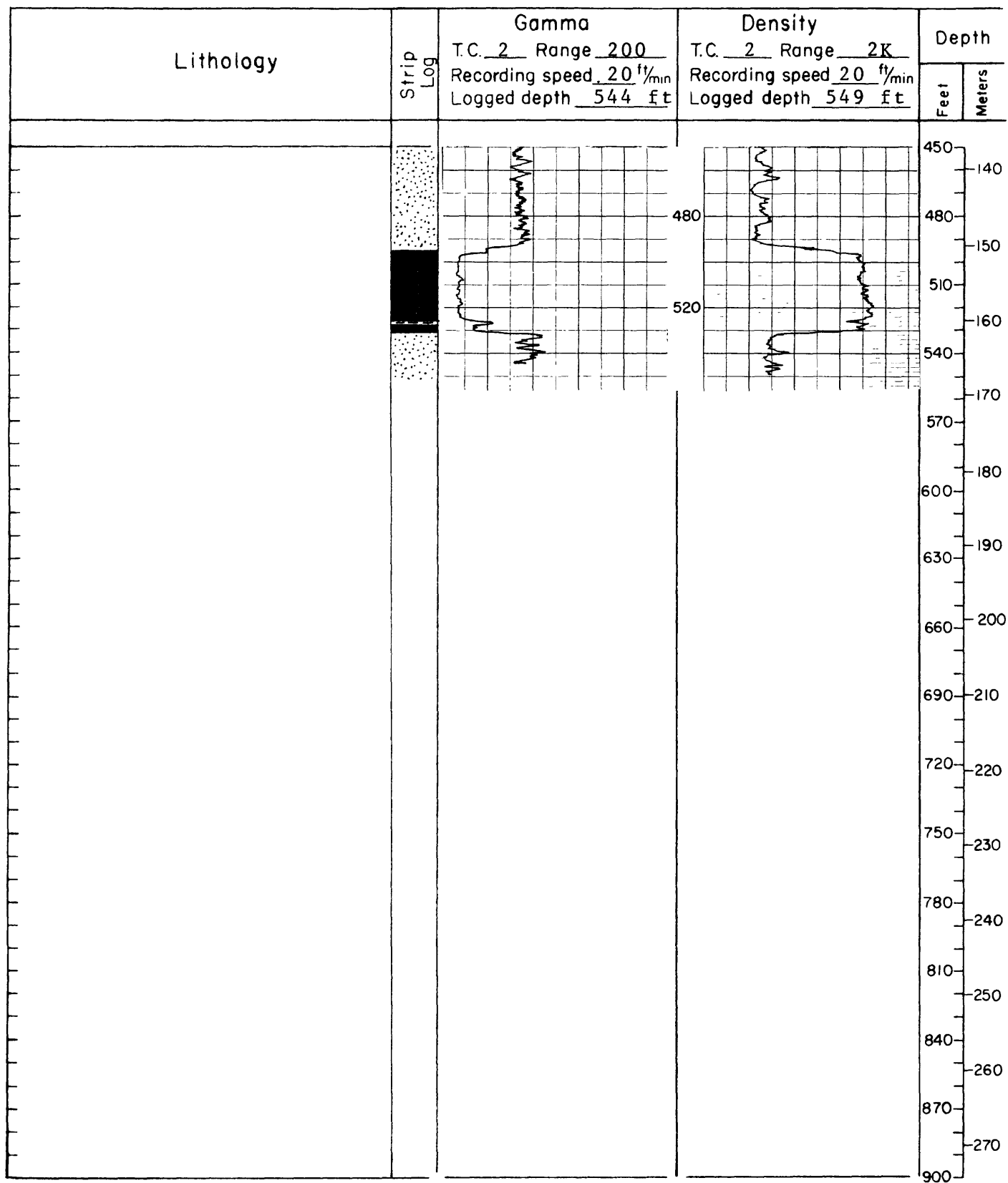
Recorded by: K. WILLIAMS

Geologist ~~Yes~~ No Recorded by: L. SAUER



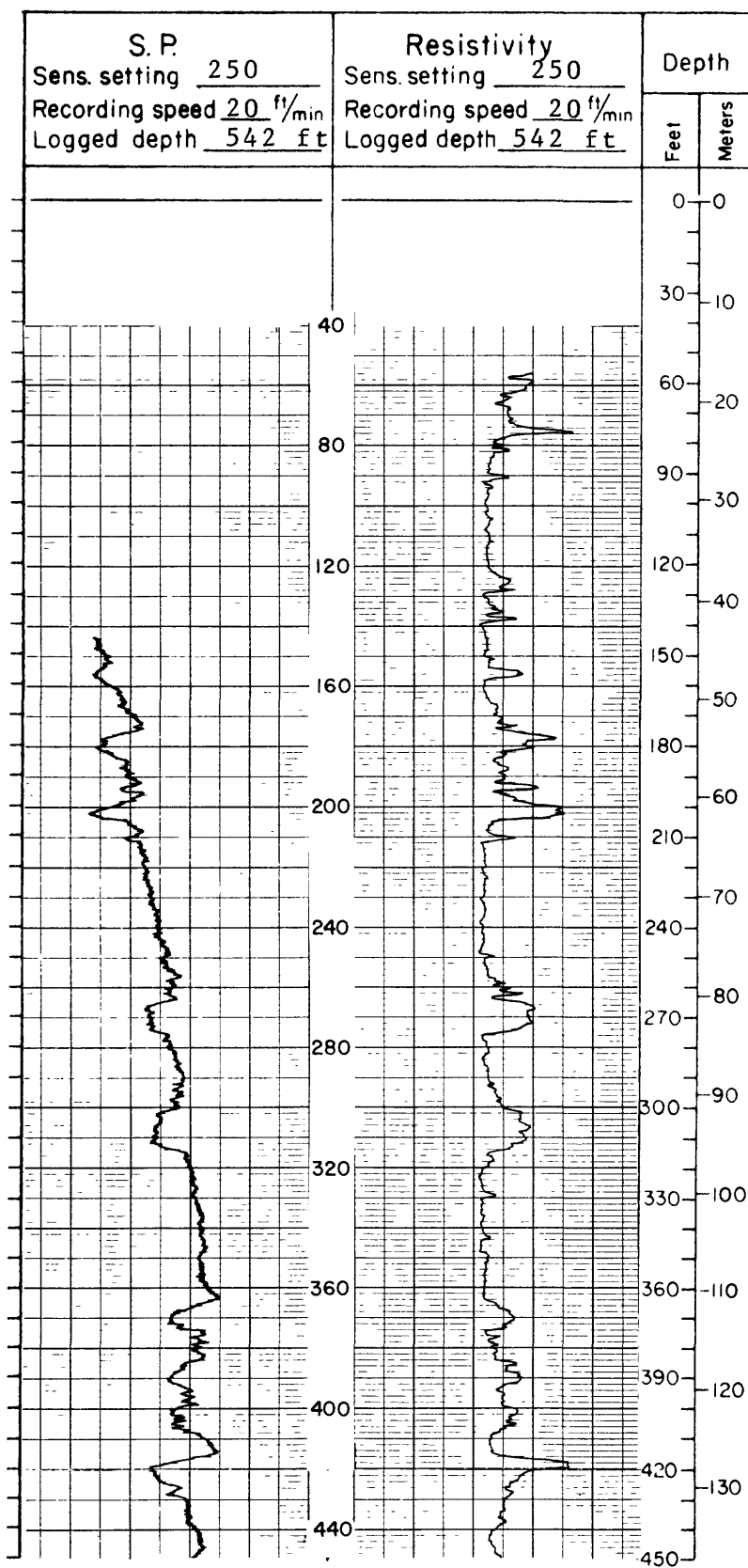
Hole number (continued)

US- 77225



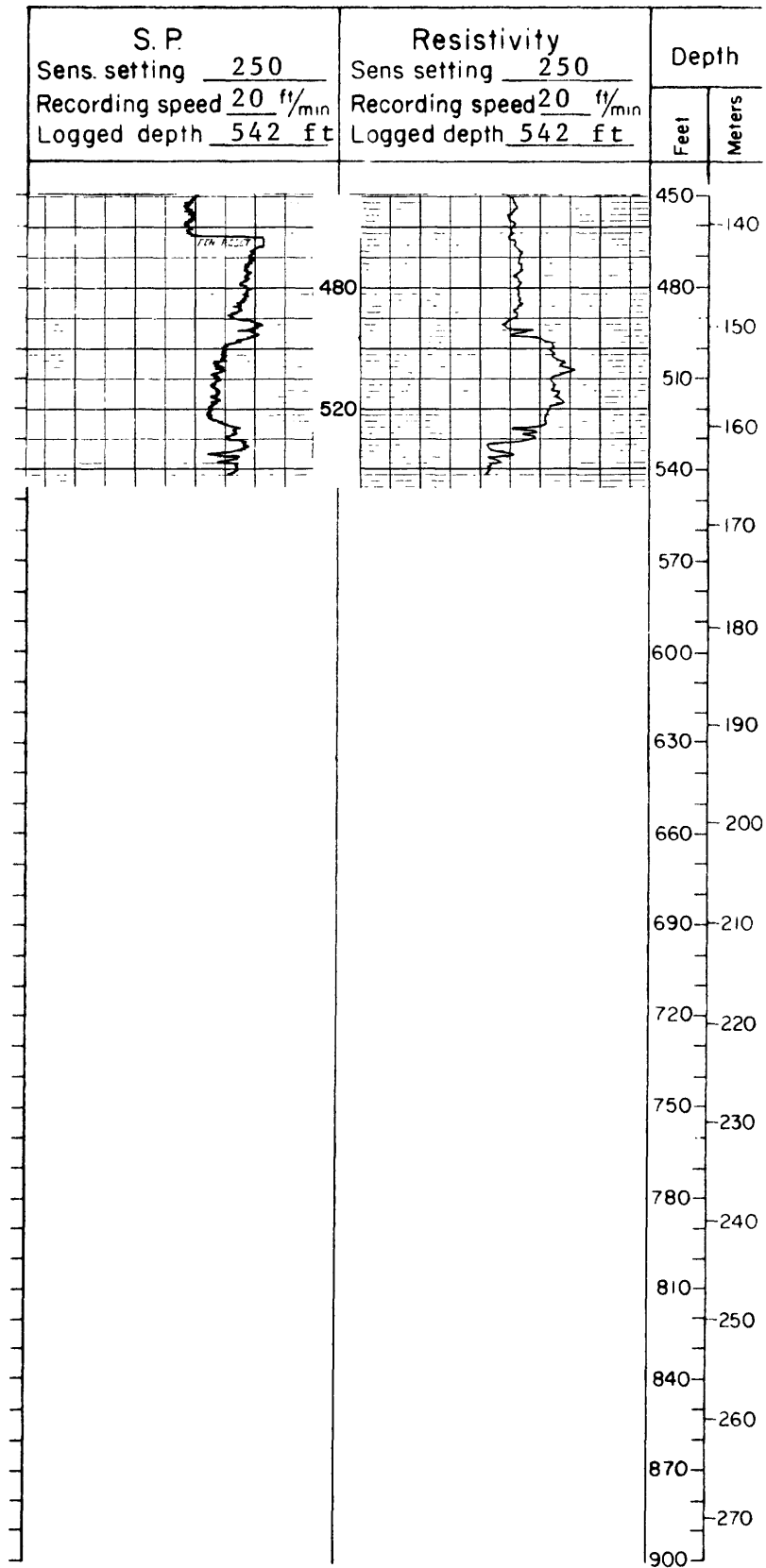
Hole number (continued)

US- 77225



Hole number (continued)

US - 77225



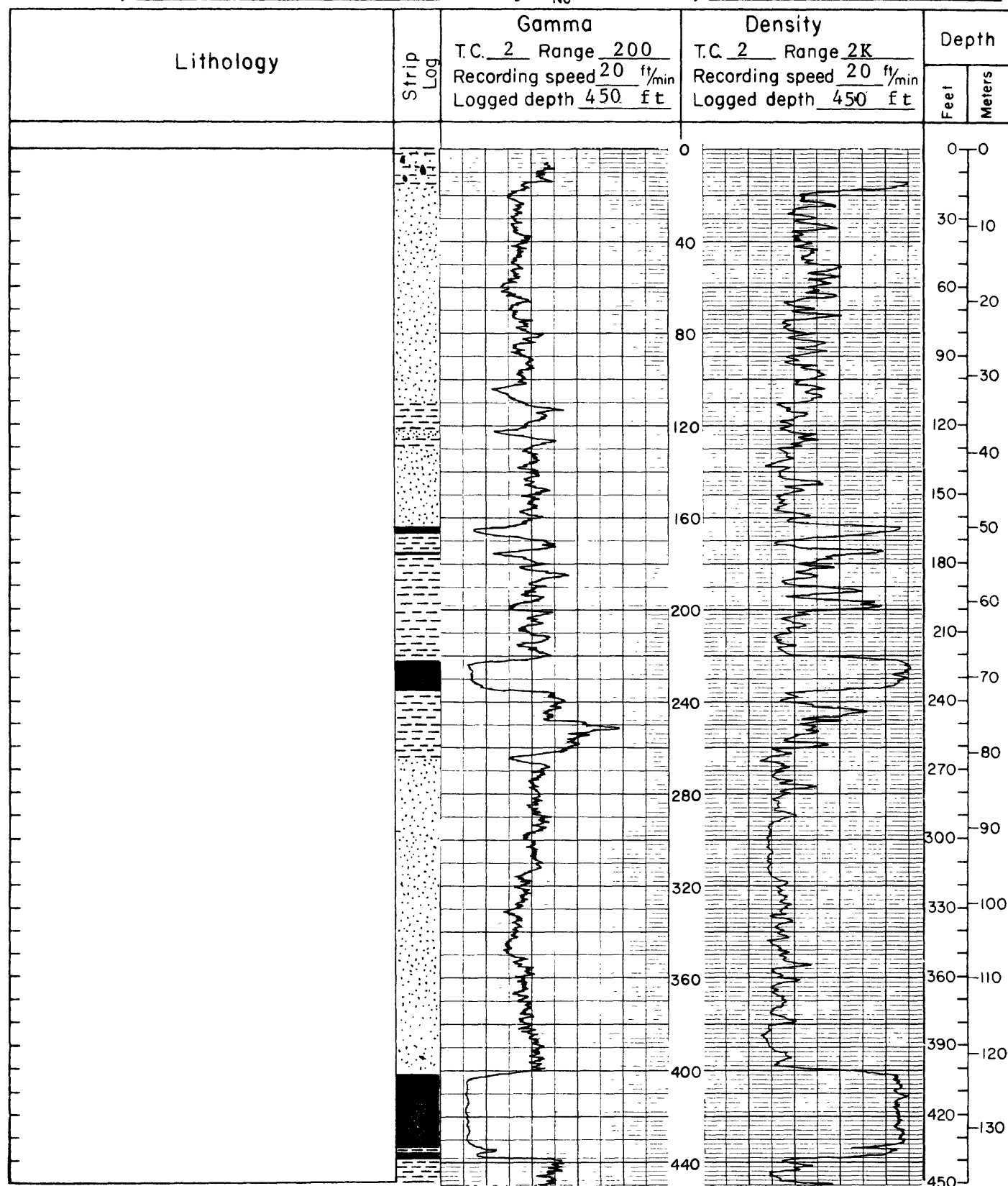
# Montana College of Mineral Science and Technology

Hole no: US-77226 Map Homestead Draw SW Date 10/25/77 State: Wyoming County: Campbell  
 Elev.: 4077 ft Location: T. 55 N., R. 74 W., Sec. 15, Tract AAAD Drilled depth: 470 ft  
 Measured: 375 ft <sup>FNL</sup> ~~RSL~~ 150 ft <sup>FEL</sup> ~~XWX~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

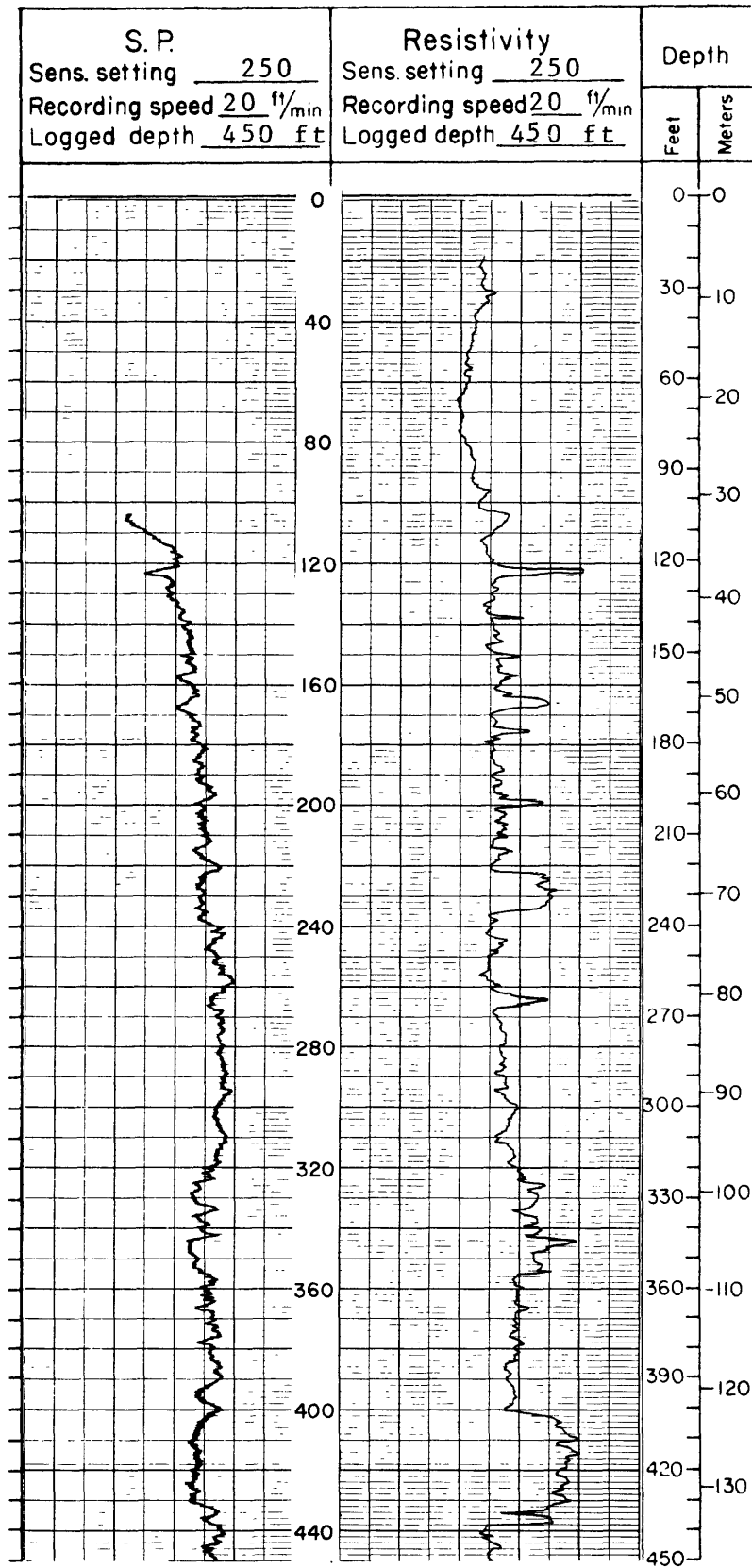
Recorded by: K. WILLIAMS

Geologist <sup>XXXX</sup> No \_\_\_\_\_ Recorded by: L. SAUER



Hole number (continued)

US - 77226



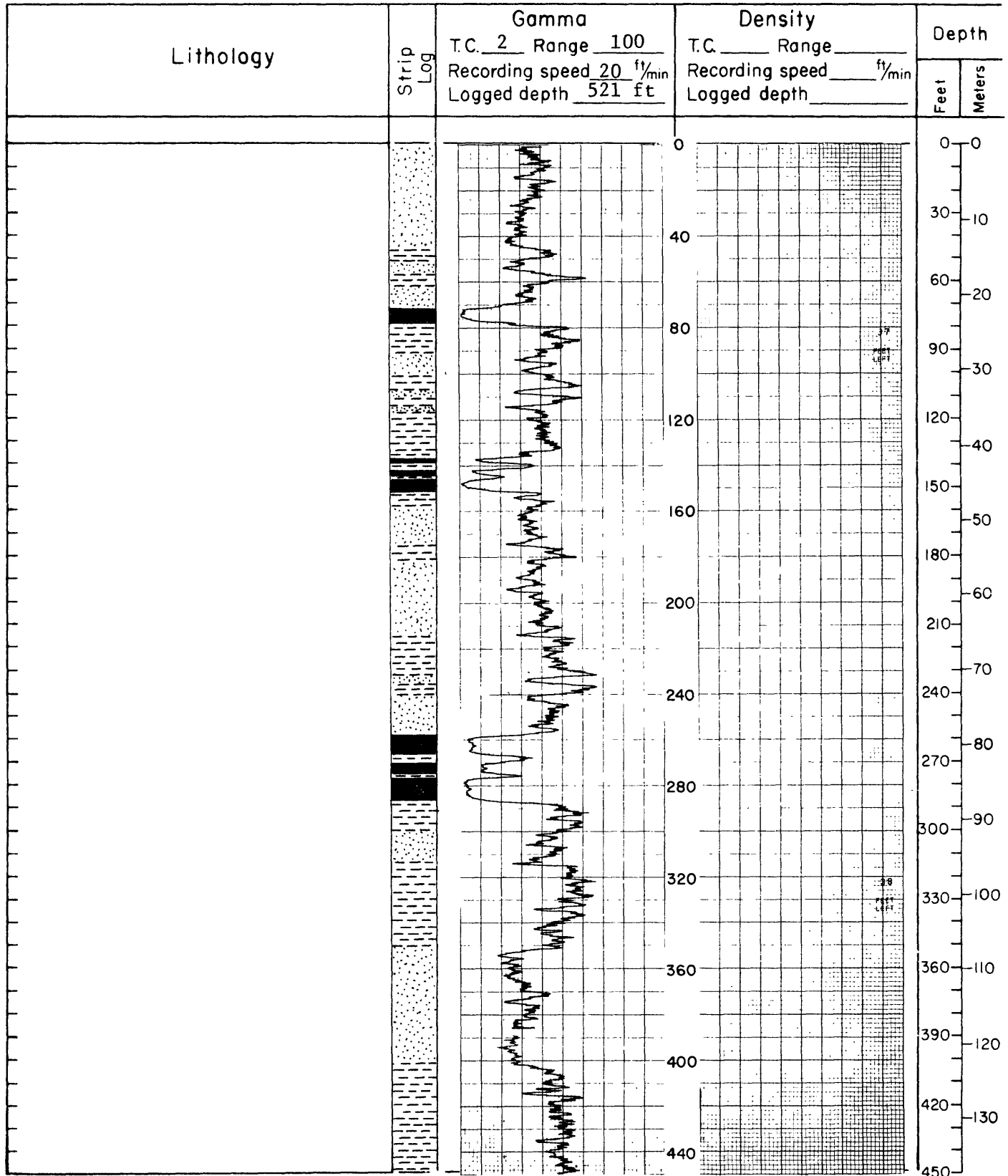
# Montana College of Mineral Science and Technology

Hole no: US-77227 Map: Recluse Date 10/25/77 State: Wyoming County: Campbell  
 Elev.: 4181 ft Location: T. 55 N. 8 R. 74 W. Sec. 24, Tract Irreg. Sec Drilled depth: 530 ft  
 Measured: 50 ft ~~FSL~~ <sup>FEL</sup> 1850 ft ~~XXX~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

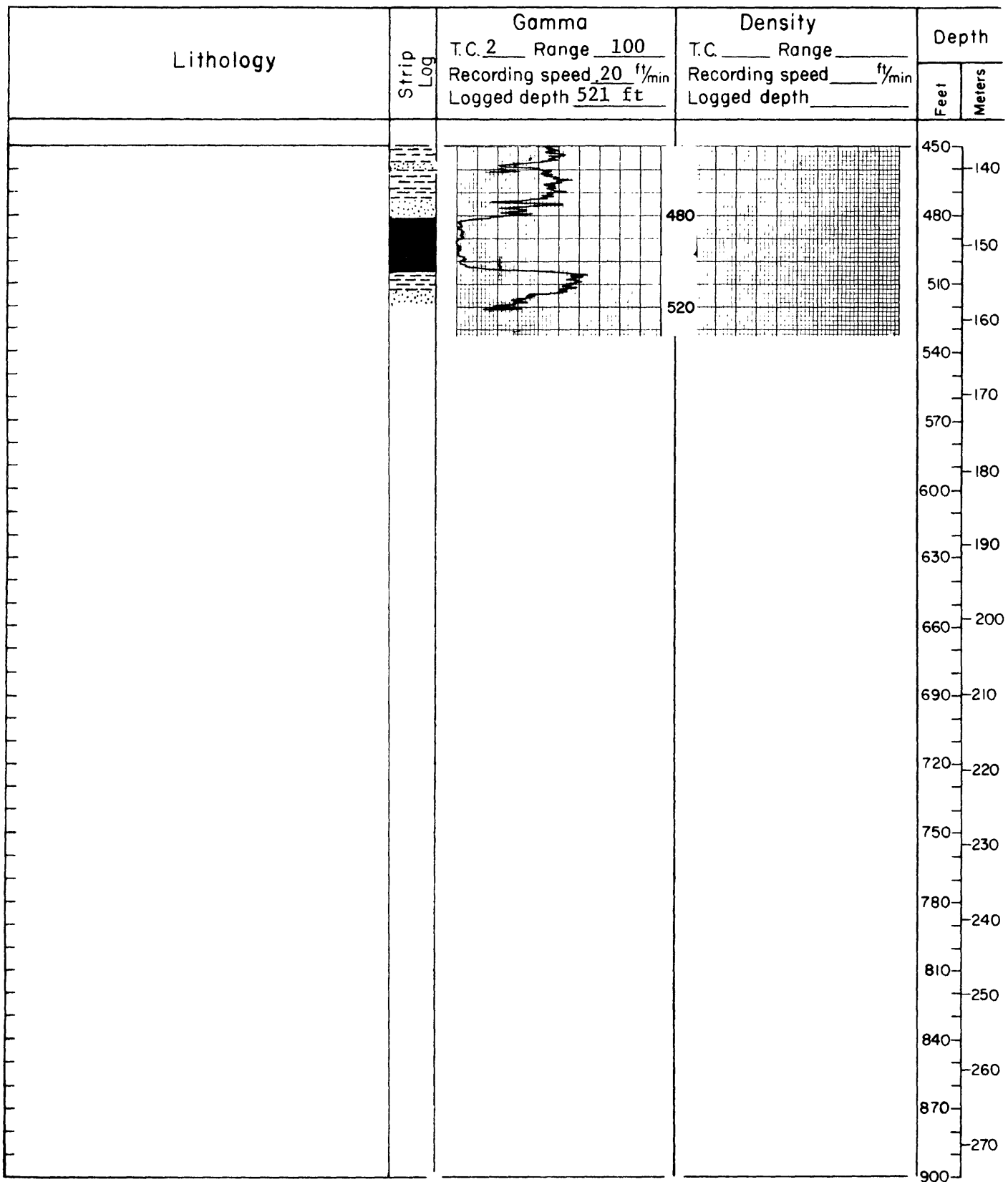
Geologist ~~XXX~~ No Recorded by: L. SAUER





Hole number (continued)

US-77227



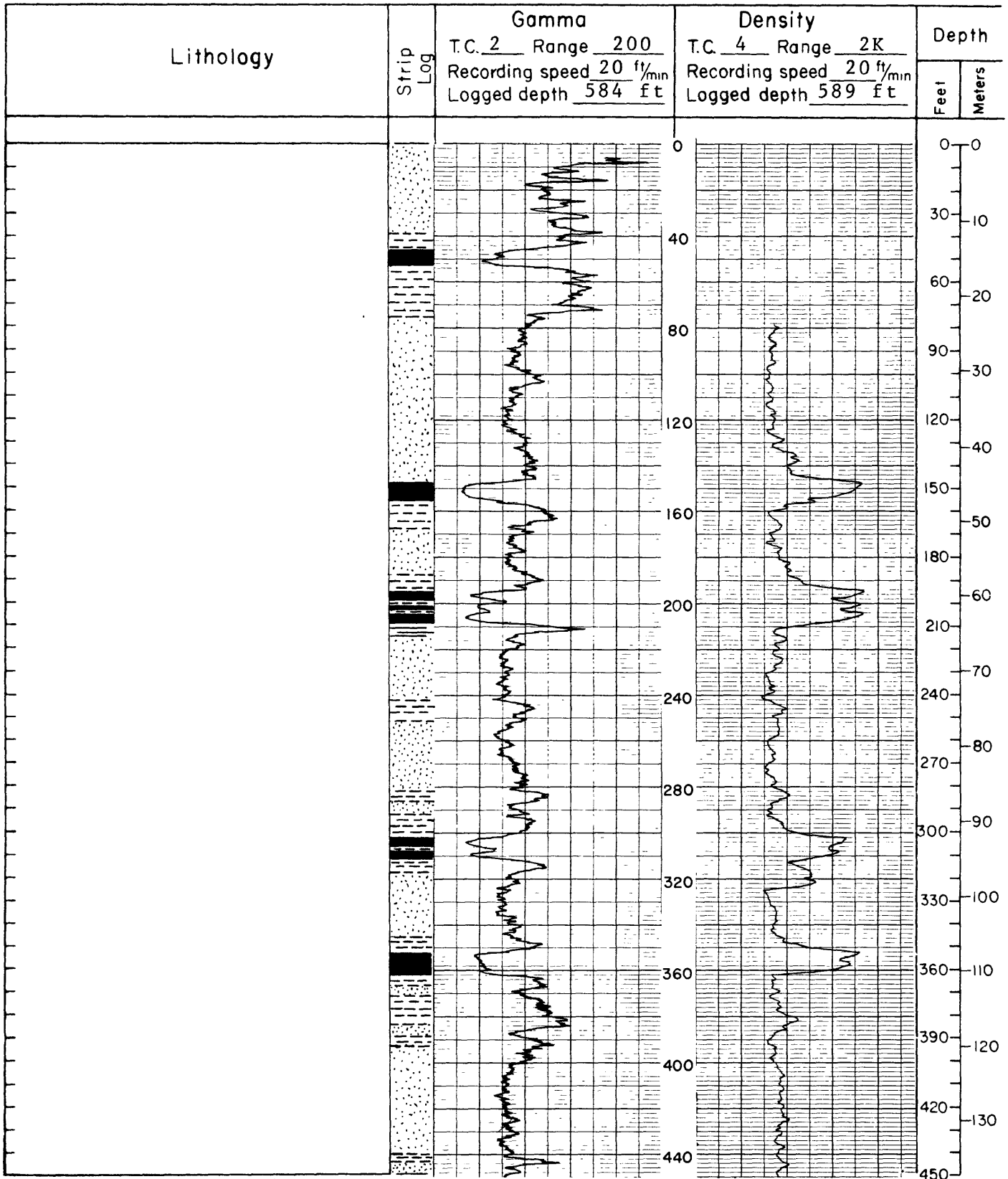
**Montana College of Mineral Science and Technology**

Hole no: US-77228 Map: Recluse Date: 10/26/77 State: Wyoming County: Campbell  
 Elev.: 4243 ft Location: T. 55 N, R. 74 W, Sec. 25, Tract CBBC Drilled depth: 590 ft  
 Measured: 2000 ft ~~FSL~~, 200 ft ~~FWL~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

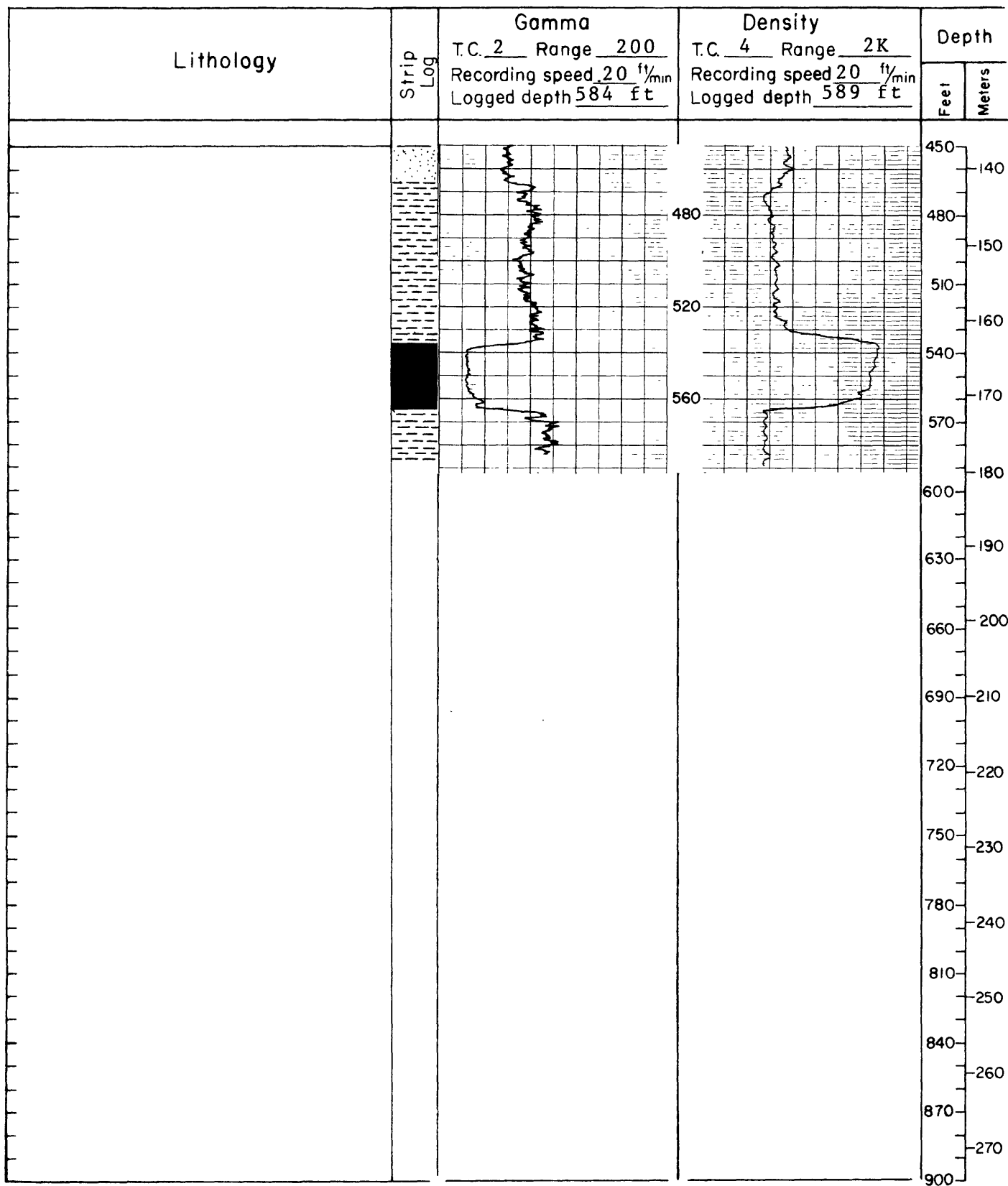
Recorded by: K. WILLIAMS

Geologist ~~Yes~~ ☒ No ☐ Recorded by: L. SAUER



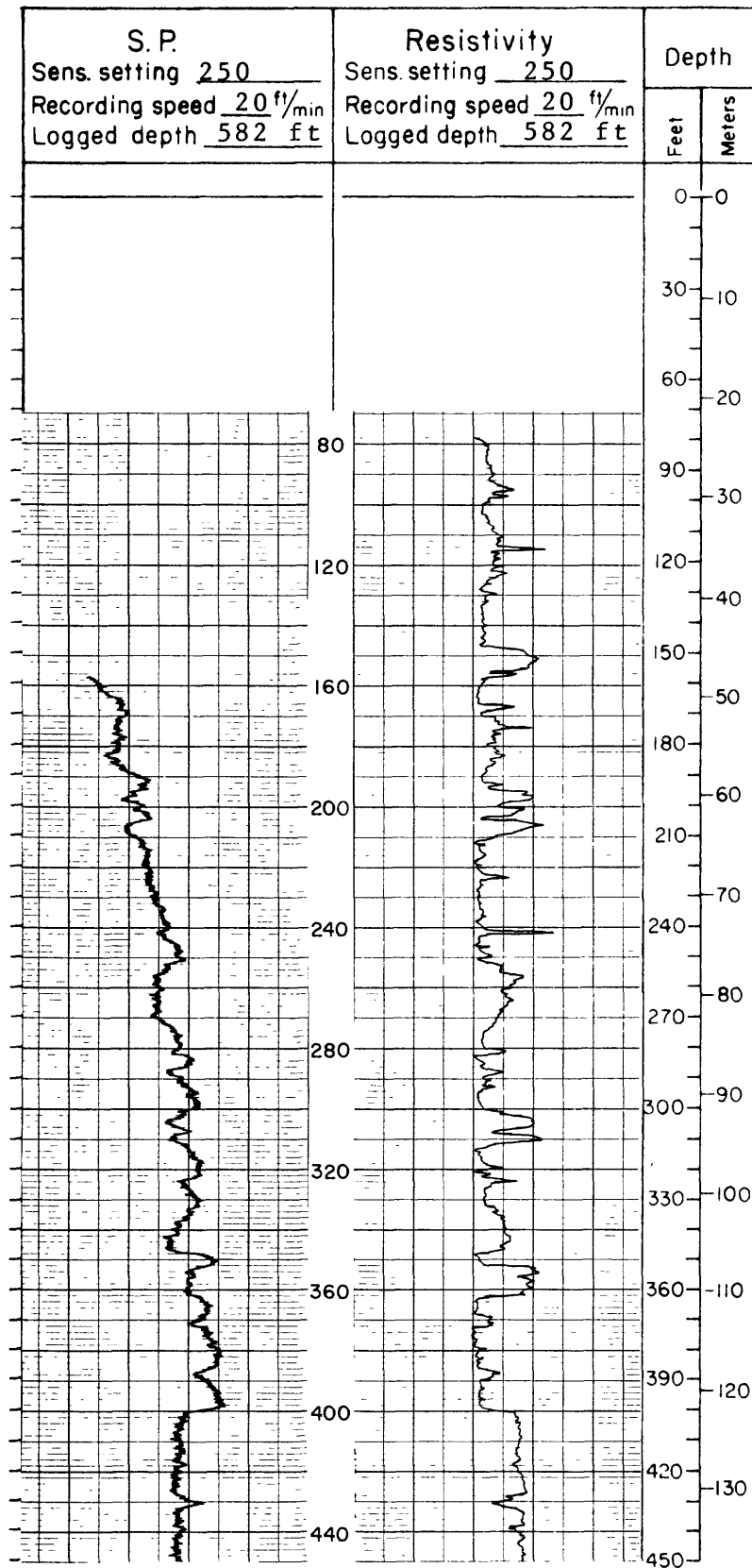
Hole number (continued)

US- 77228



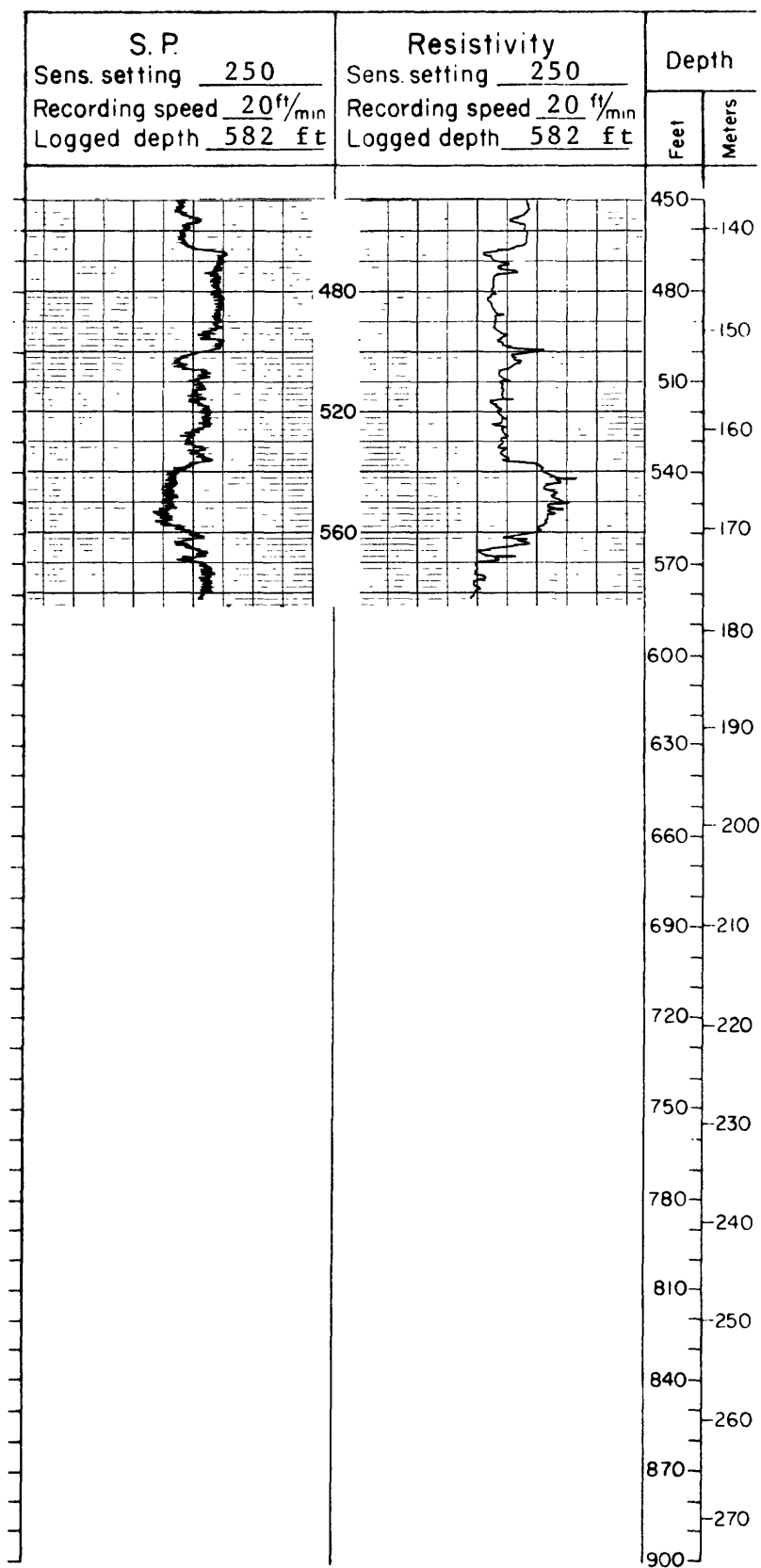
Hole number (continued)

US- 77228



# Hole number (continued)

US - 77228



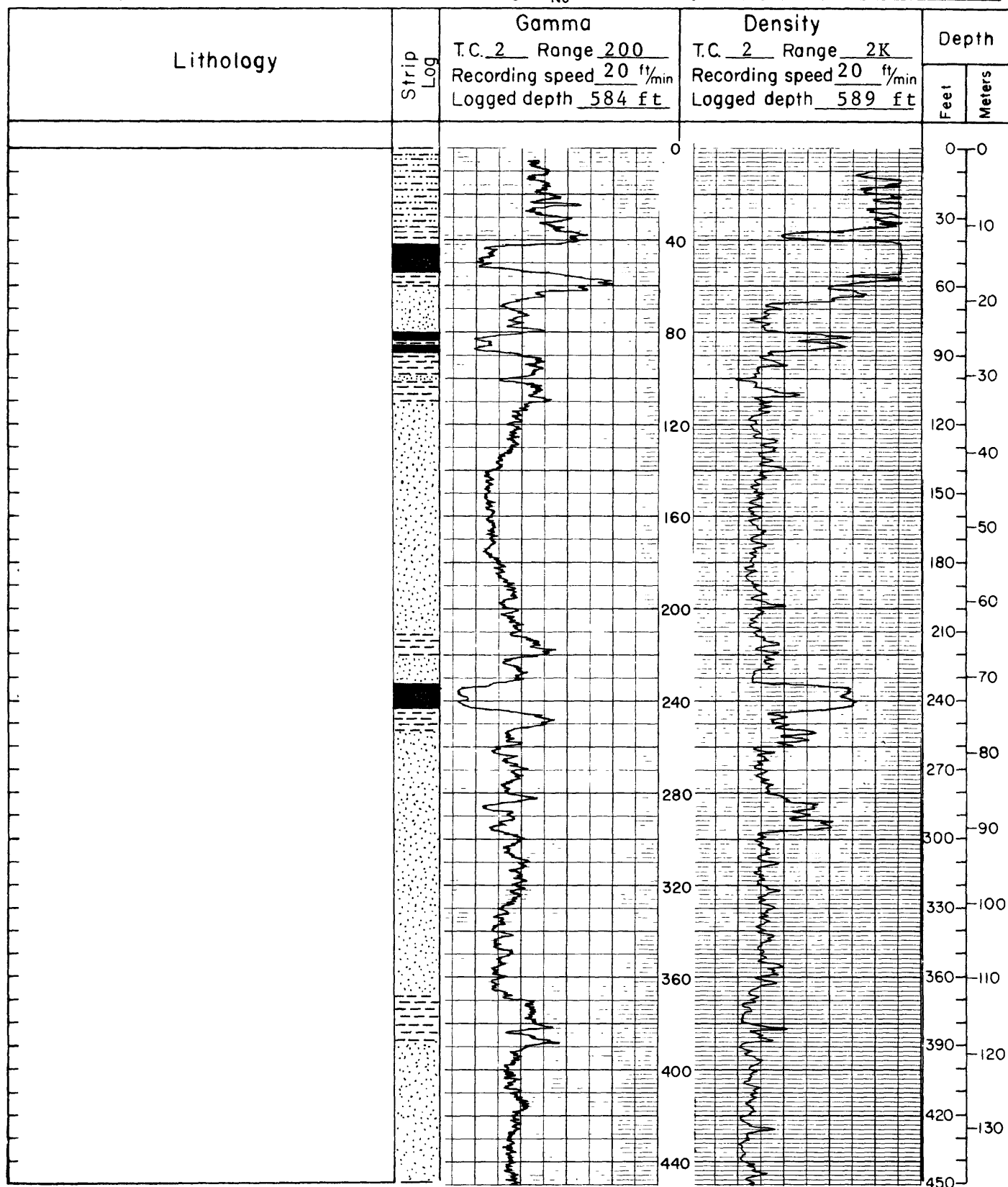
# Montana College of Mineral Science and Technology

Hole no: US-77229 Map: Recluse Date: 10/26/77 State: Wyoming County: Campbell  
 Elev.: 4133 ft Location: T. 54 N. R. 74 W. Sec. 1, Tract DBBB Drilled depth: 590 ft  
 Measured: 2550 ft ~~FSL~~, 2425 ft ~~FEL~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

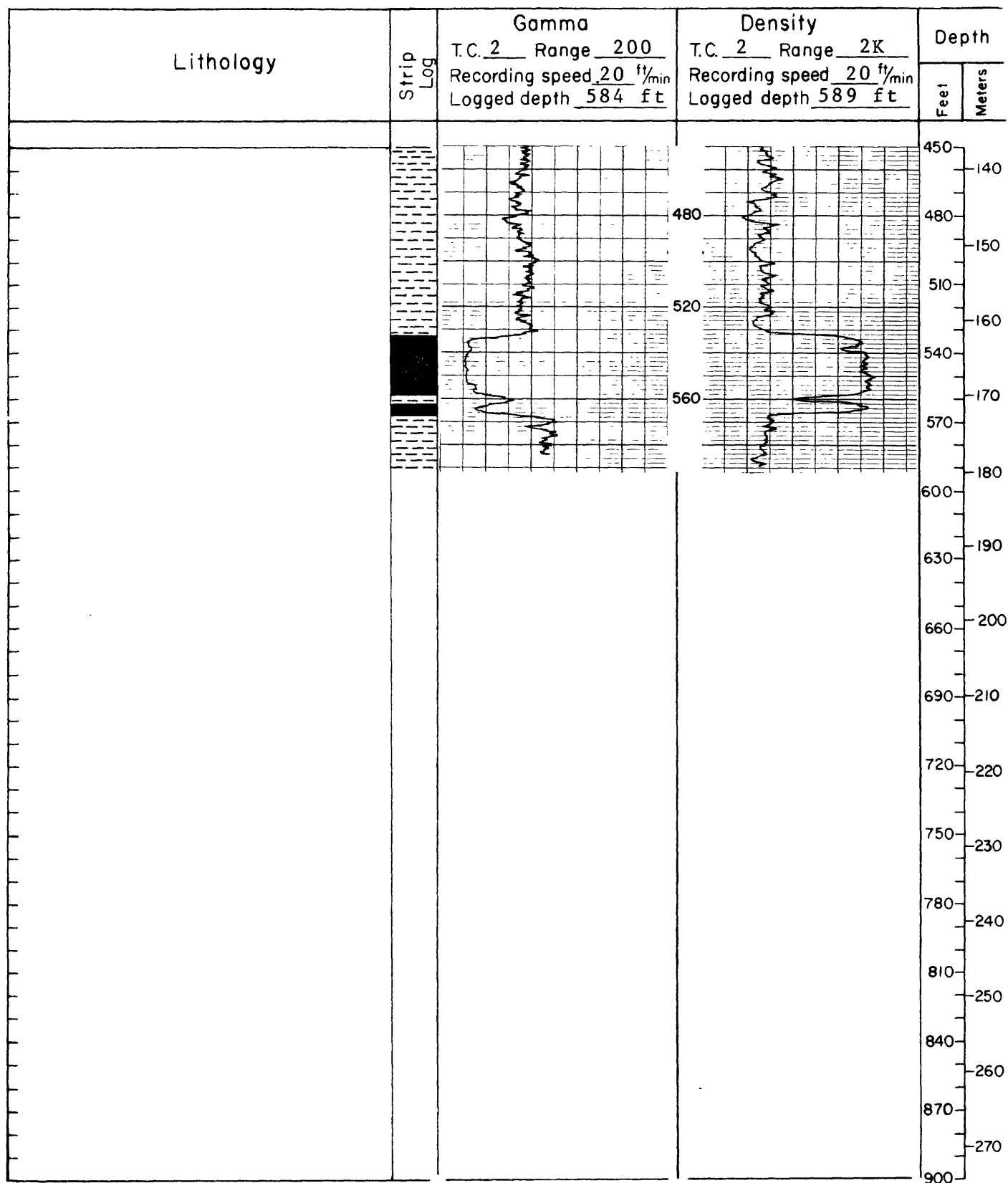
Recorded by: K. WILLIAMS

Geologist ~~Yes~~ No Recorded by: L. SAUER



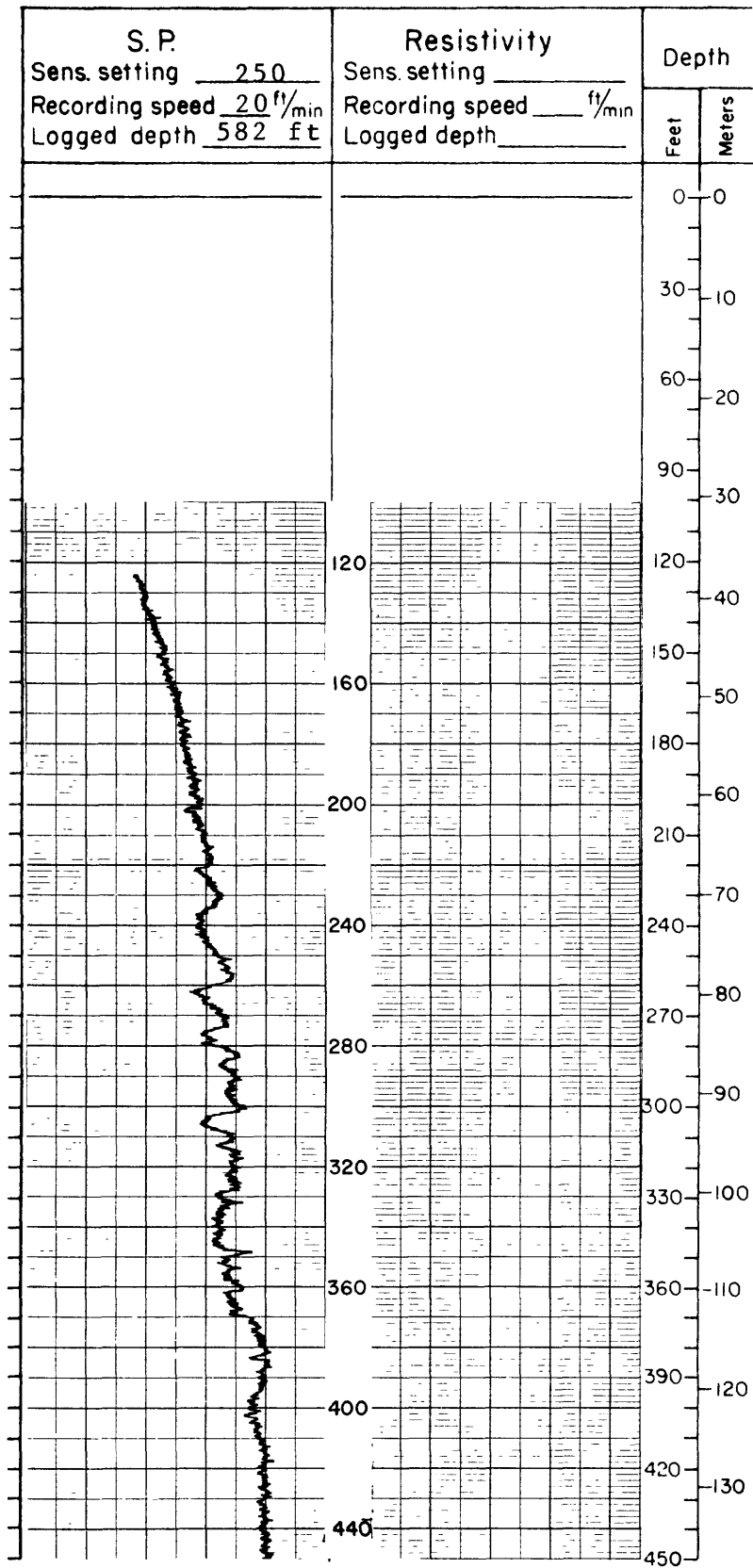
Hole number (continued)

US- 77229



# Hole number (continued)

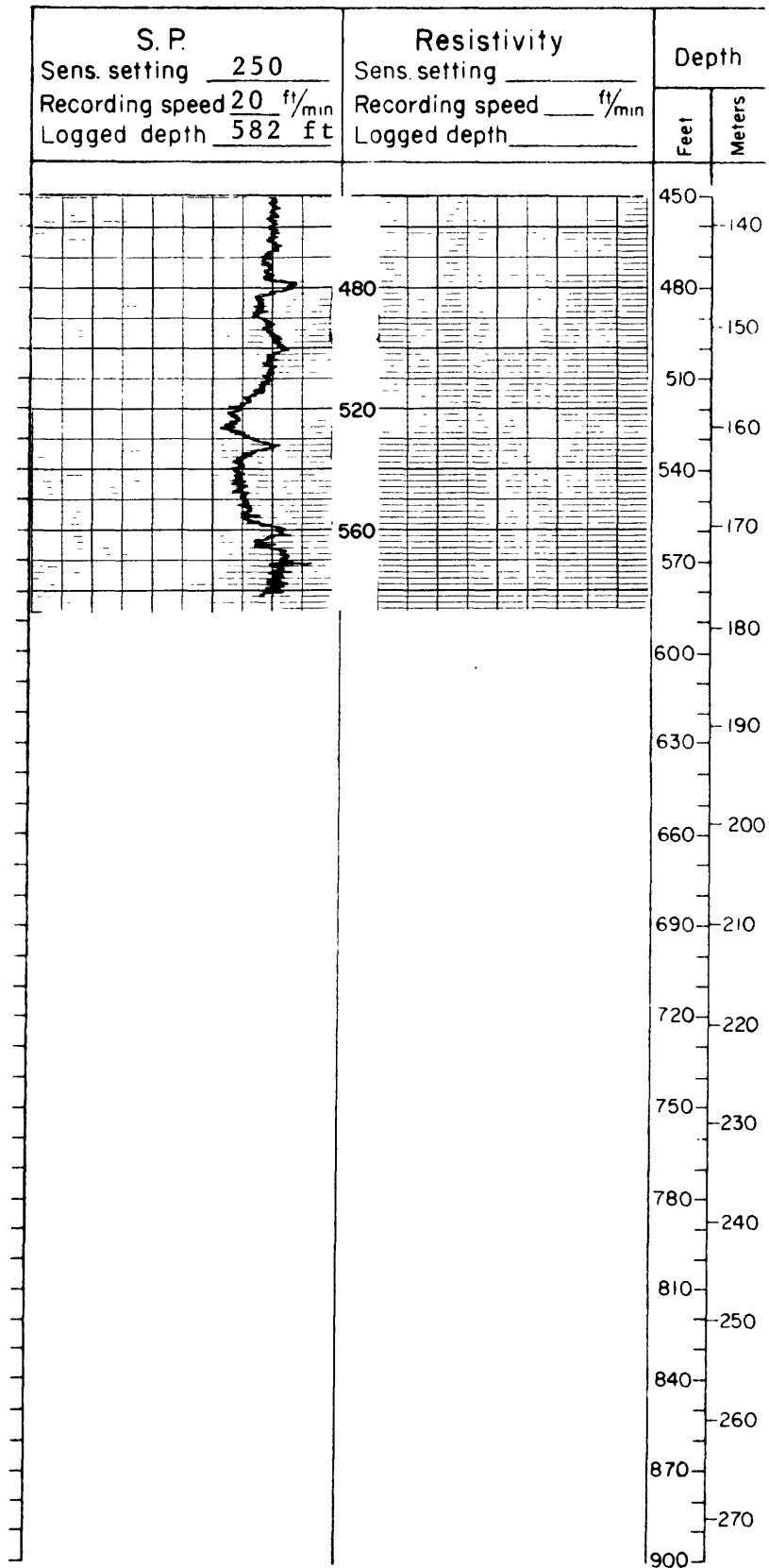
US - 77229





Hole number (continued)

US - 77229



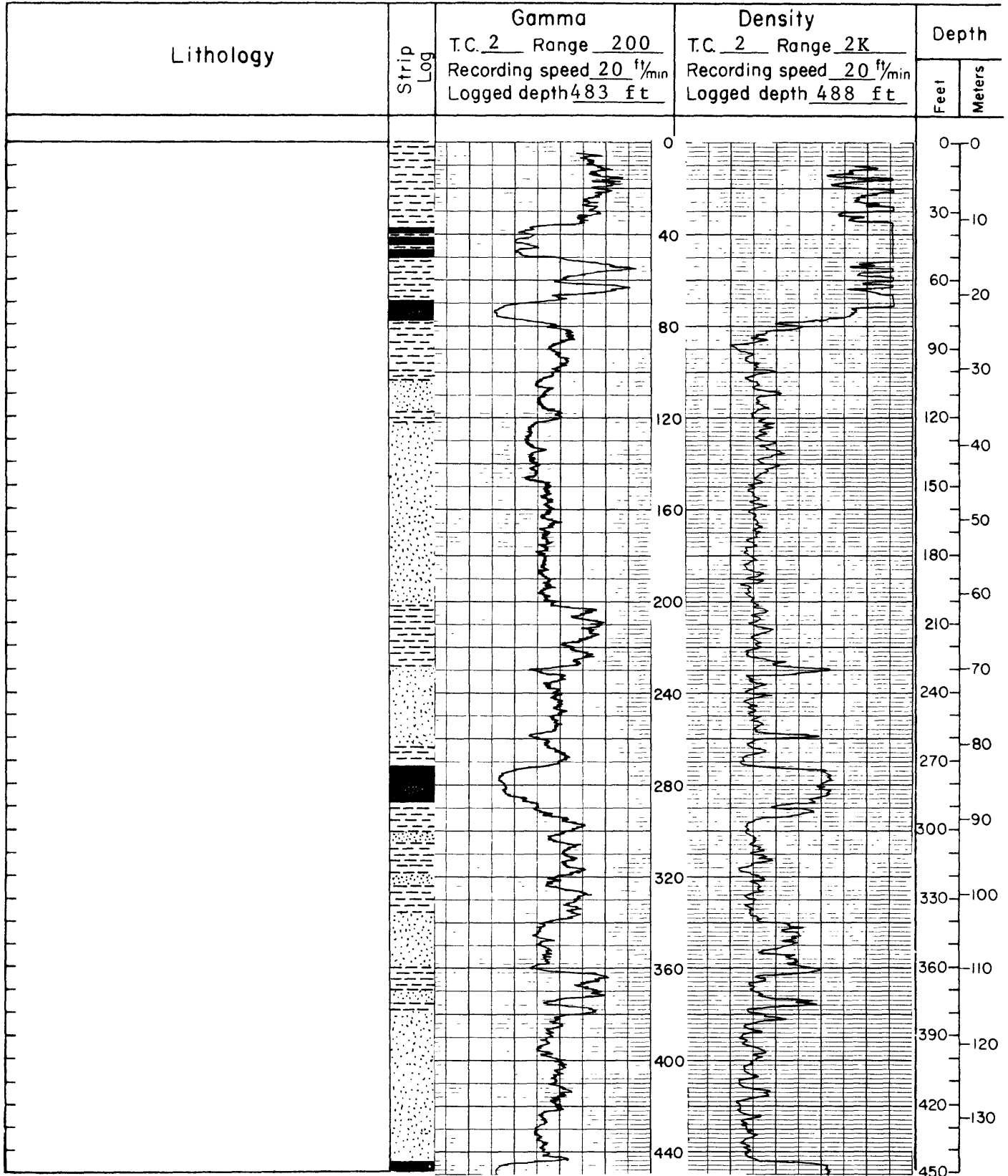
# Montana College of Mineral Science and Technology

Hole no: US-77230 Map: Recluse Date: 10/26/77 State: Wyoming County: Campbell  
 Elev.: 4161 ft Location: T. 54 N. R. 73 E. W. Sec. 19, Tract CBBB Drilled depth: 490 ft  
 Measured: 2500 ft ~~XXX~~ FSL, 125 ft ~~XXX~~ FWL Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

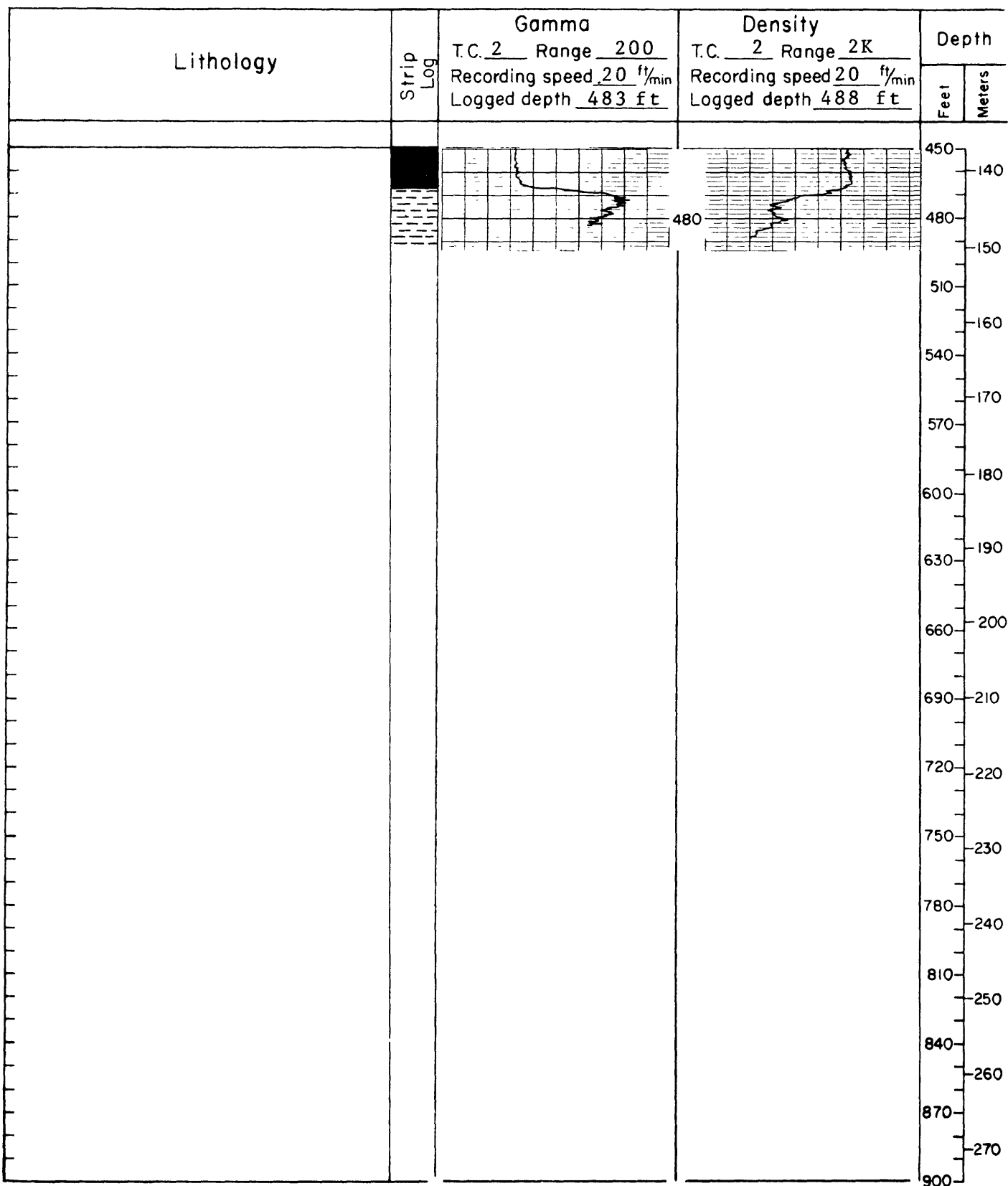
Recorded by: K. WILLIAMS

Geologist ~~Yes~~ No Recorded by: L. SAUER



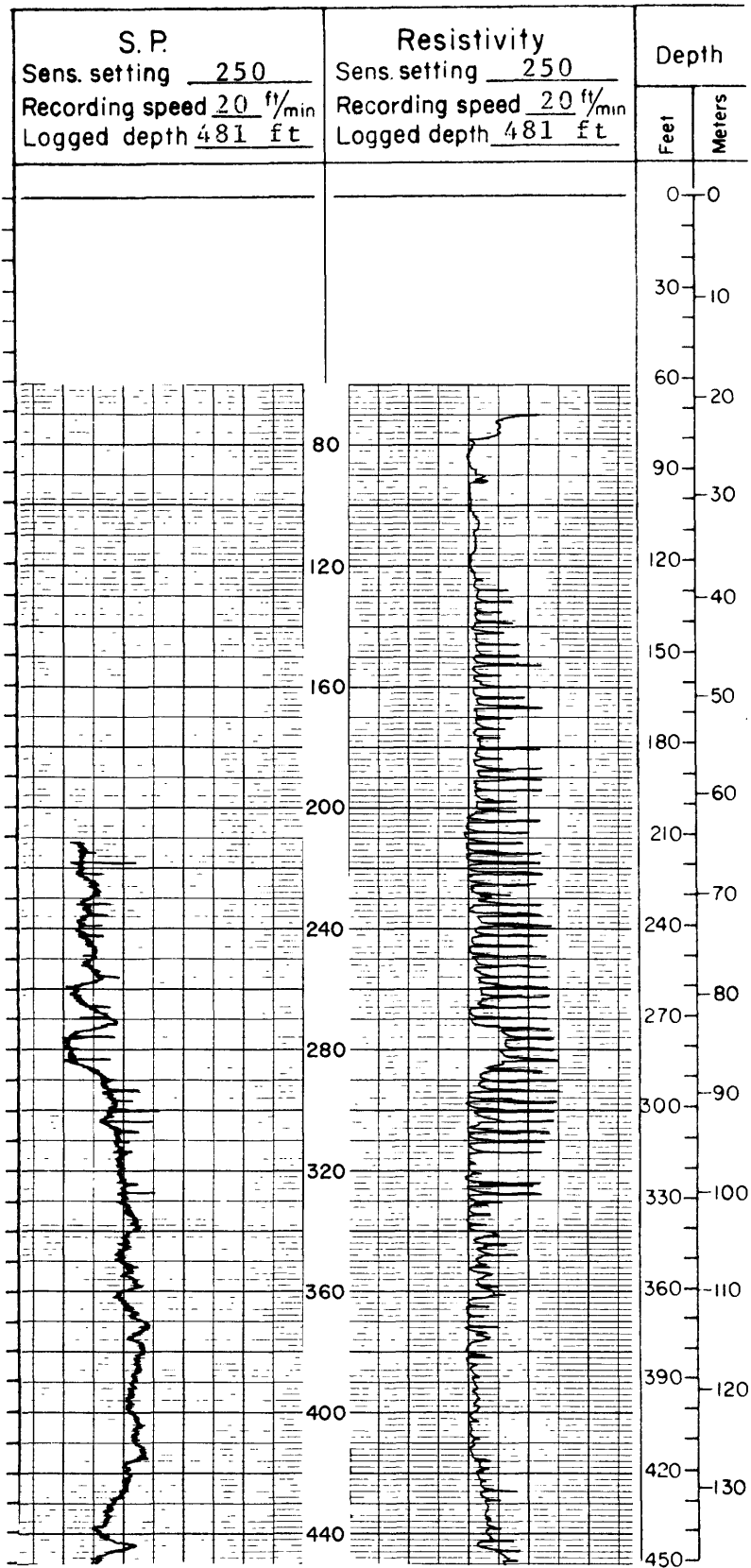
Hole number (continued)

US - 77230



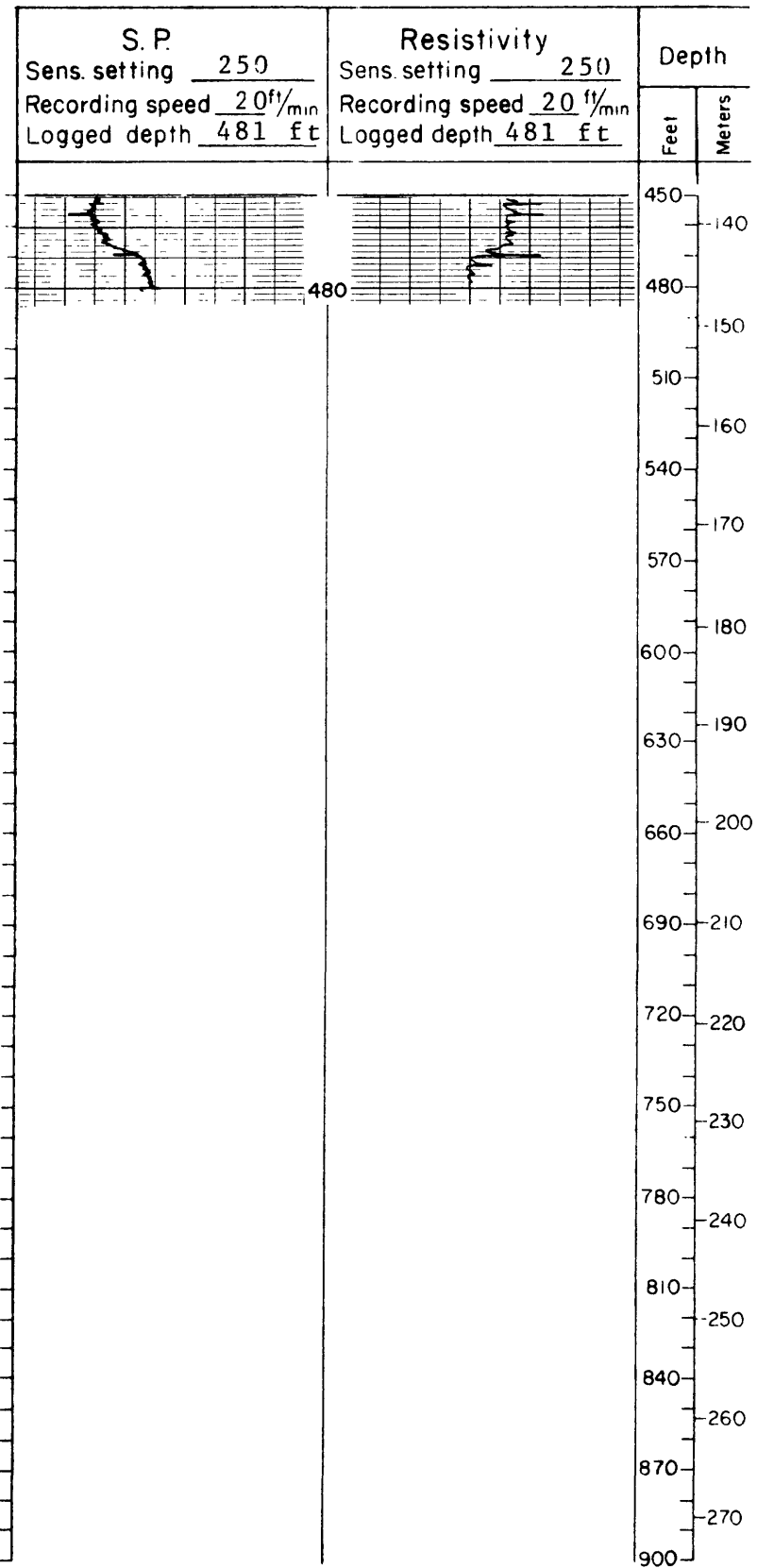
Hole number (continued)

US- 77230



Hole number (continued)

US - 77230



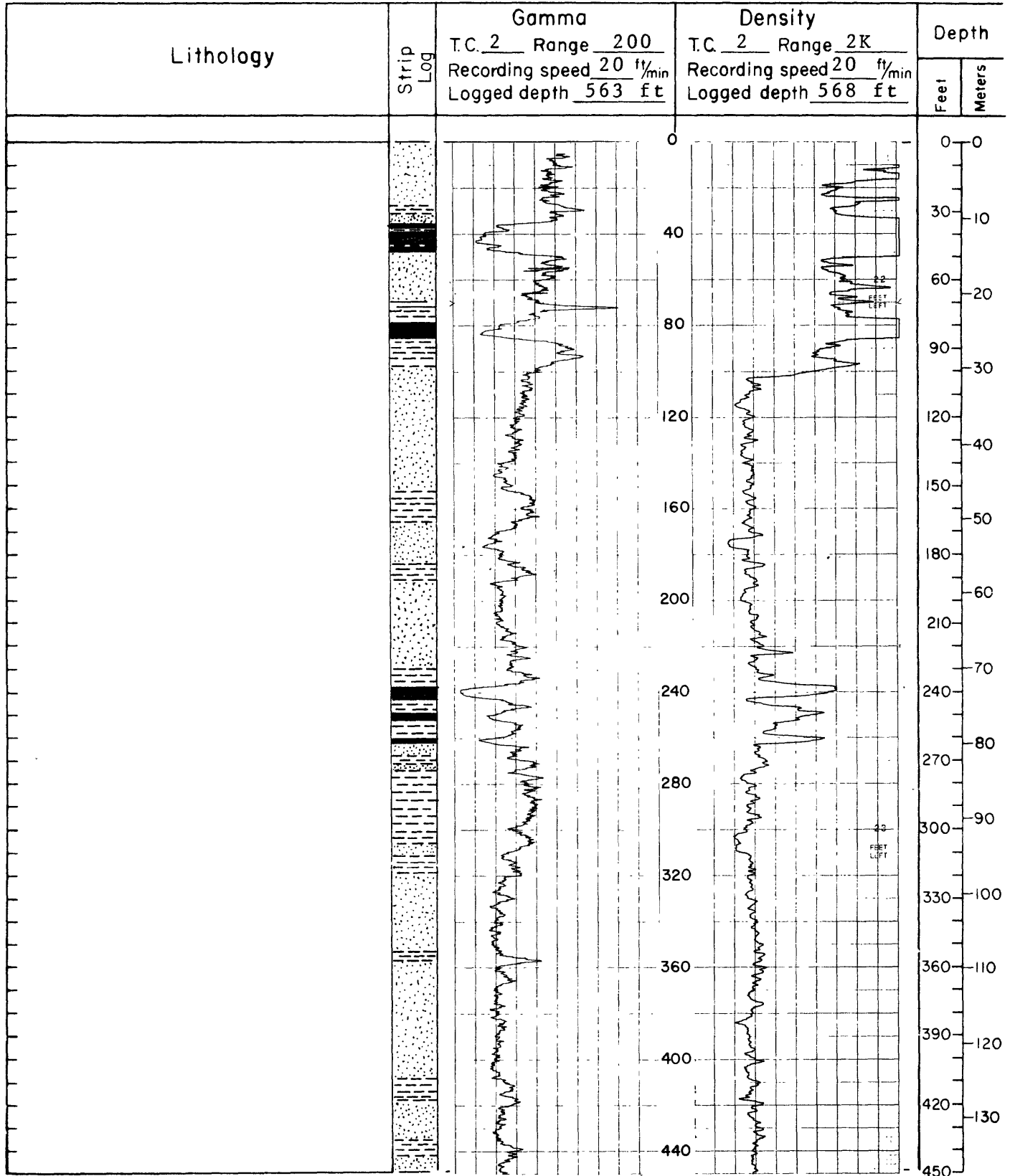
# Montana College of Mineral Science and Technology

Hole no: US-77231 Map: Recluse Date 10/26/77 State: Wyoming County: Campbell  
 Elev.: 4193 ft Location: T. 54 <sup>N</sup><sub>S</sub>, R. 74 <sup>E</sup><sub>W</sub>, Sec. 25, Tract BBDC Drilled depth: 570 ft  
 Measured: 1100 ft <sup>FNL</sup><sub>X</sub>, 850 ft <sup>X<sub>FWL</sub> Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒</sup>

Remarks: \_\_\_\_\_

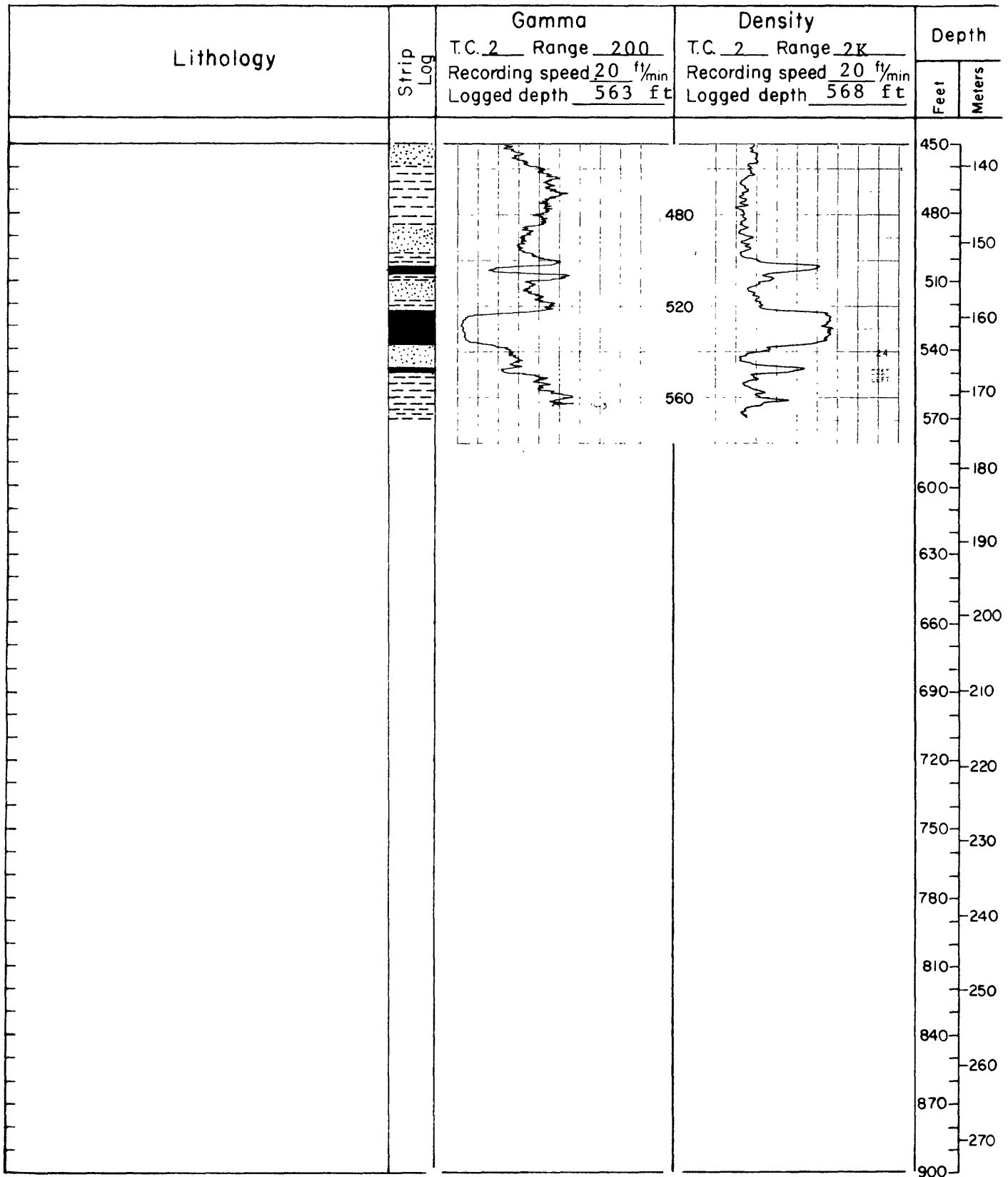
Recorded by: K. WILLIAMS

Geologist <sup>X</sup><sub>No</sub> Recorded by: L. SAUER



Hole number (continued)

US- 77231



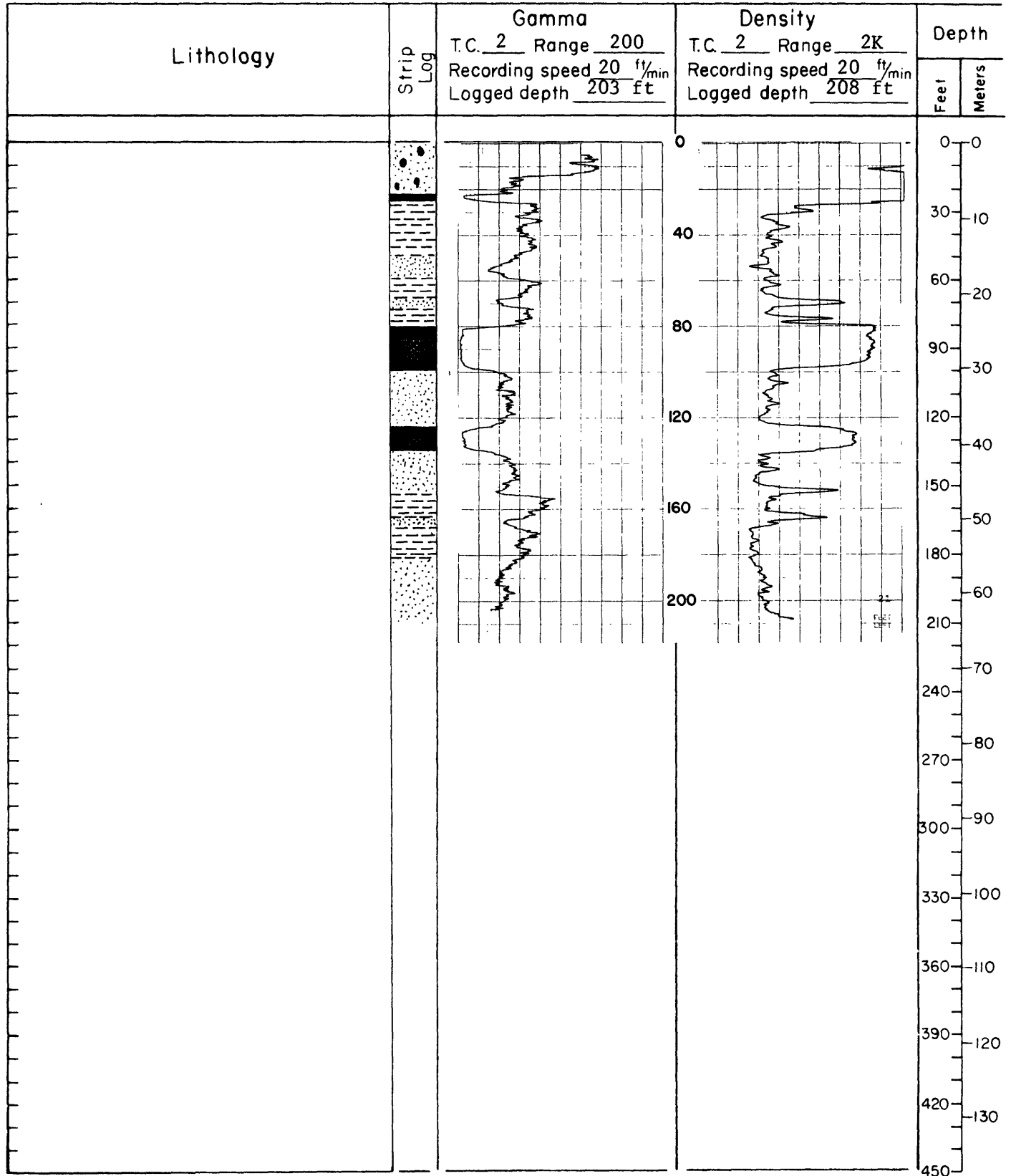
# Montana College of Mineral Science and Technology

Hole no: US-77232 Map: Calf Creek Date: 10/27/77 State: Wyoming County: Campbell  
 Elev.: 4151 ft Location: T. 53 N. R. 73 W. Sec. 26, Tract CCCD Drilled depth: 210 ft  
 Measured: 250 ft ~~XXX~~ FSL, 450 ft ~~XXX~~ FWL Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist ~~XXX~~ No \_\_\_\_\_ Recorded by: L. SAUER





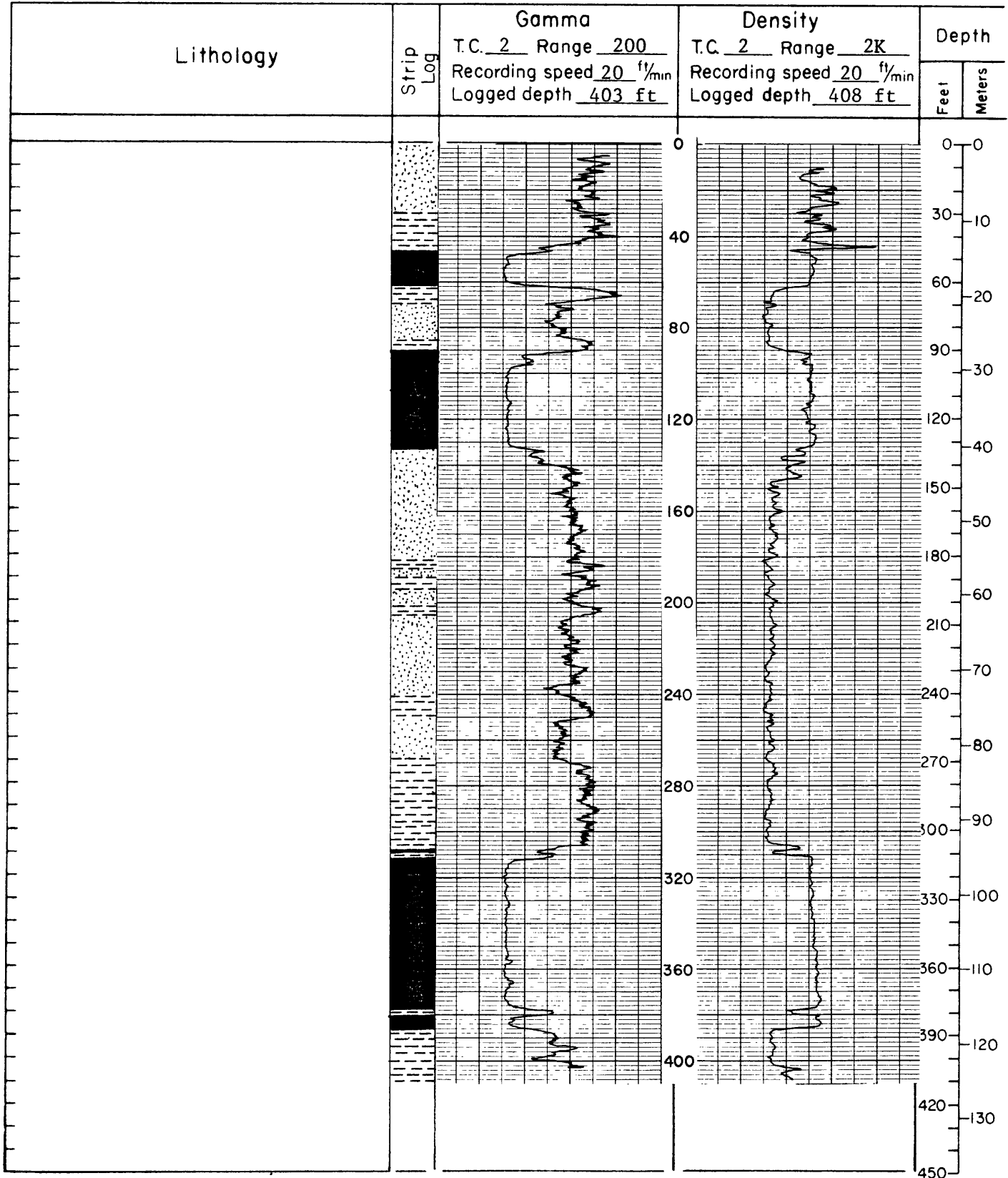
# Montana College of Mineral Science and Technology

Hole no: US-77233 Map: Calf Creek Date: 11/1/77 State: Wyoming County: Campbell  
 Elev.: 4070 ft Location: T. 53 N. 3, R. 73 W., Sec. 35, Tract ADCD Drilled depth: 410 ft  
 Measured: 2500 ft ~~FNL~~ 850 ft ~~FEL~~ RWX Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

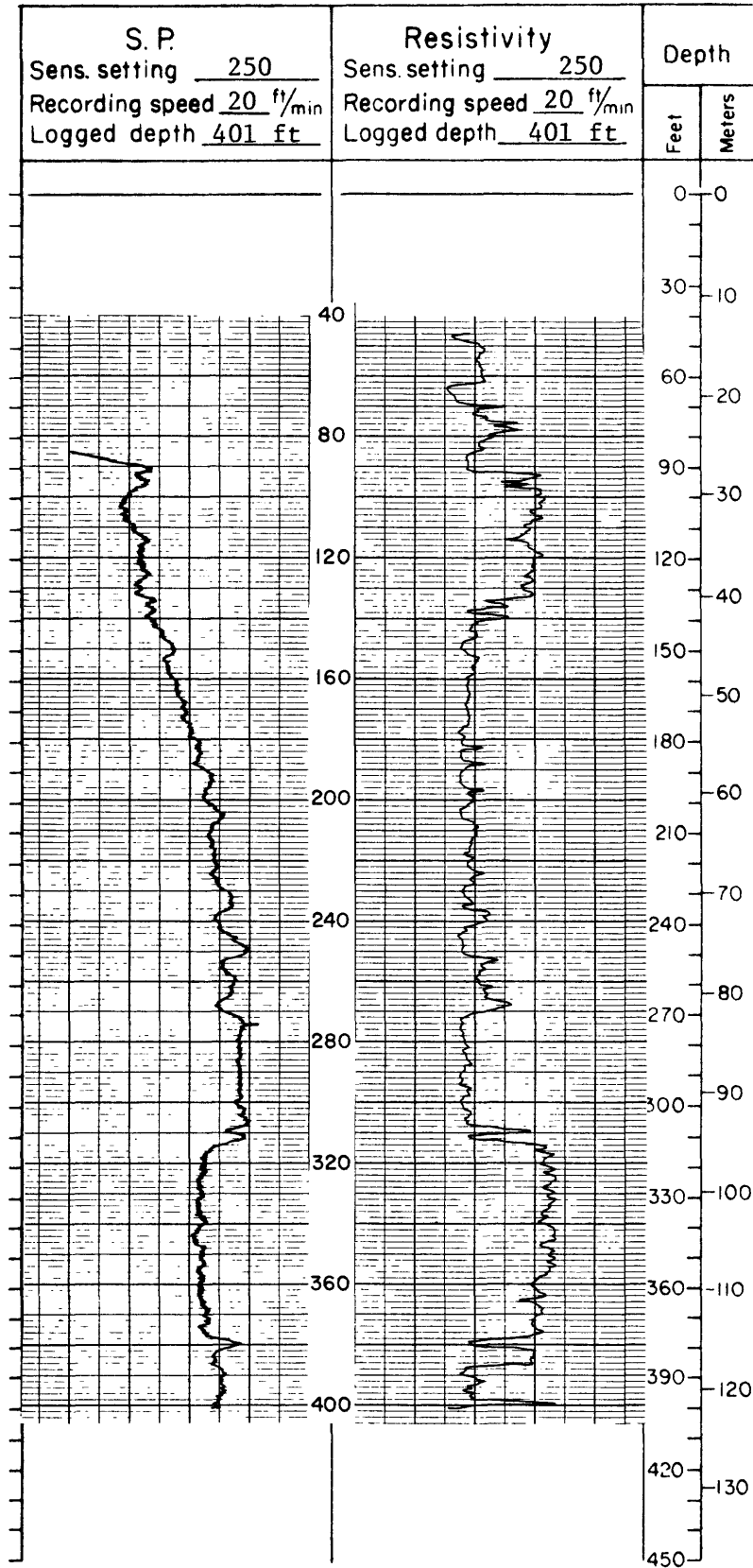
Recorded by: K. WILLIAMS

Geologist ~~Yes~~ No Recorded by: L. SAUER



# Hole number (continued)

US - 77233

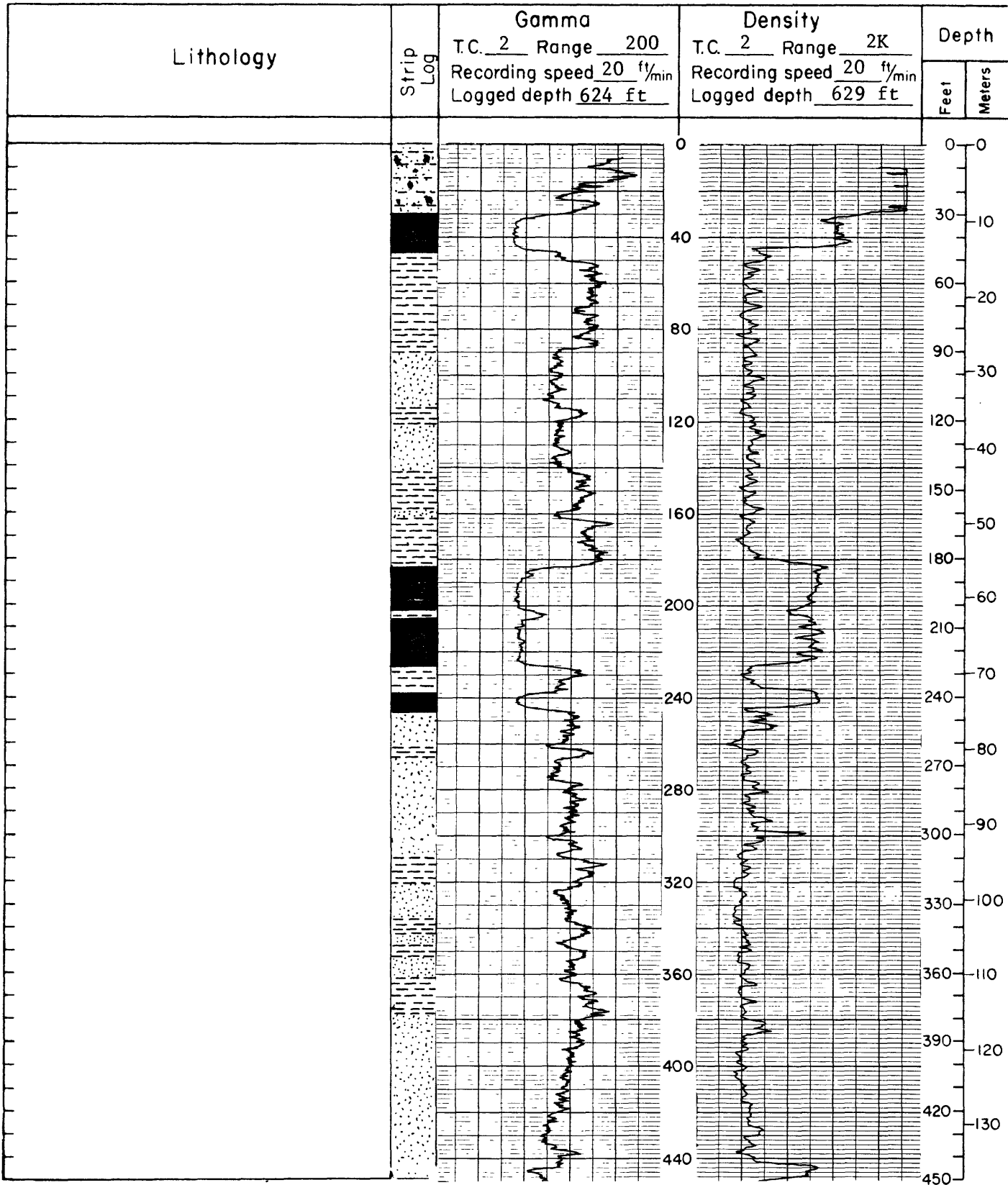


# Montana College of Mineral Science and Technology

Hole no: US-77234 Map: Calf Creek Date: 11/2/77 State: Wyoming County: Campbell  
 Elev.: 3989 ft Location: T. 53 N. 8 R. 73 W., Sec. 2, Tract DBBC Drilled depth: 630 ft  
 Measured: 2175 ft ~~RMS~~ FSL, 2500 ft ~~FEL~~ ~~RMS~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

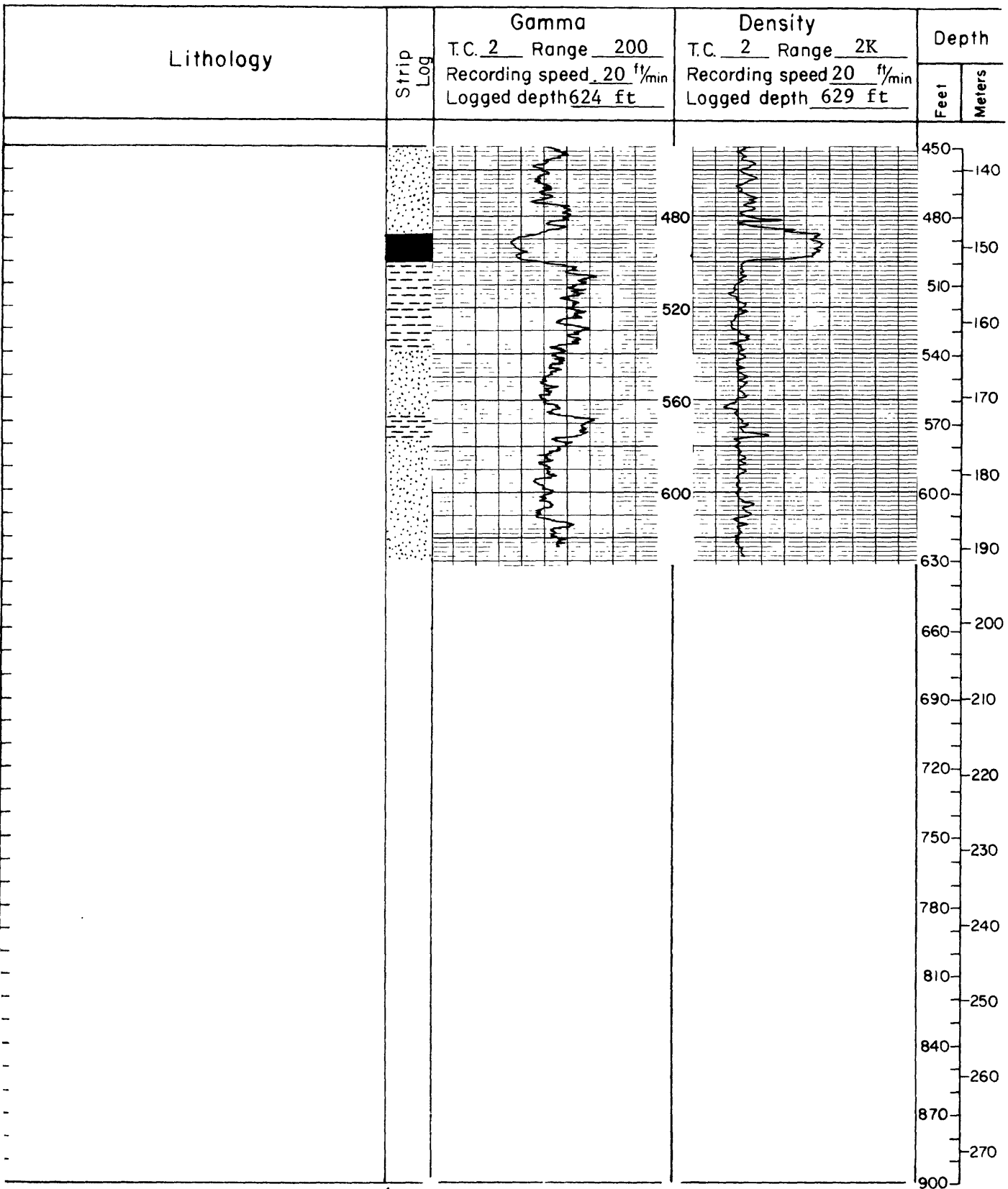
Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS Geologist <sup>Yes</sup>/<sub>No</sub> Recorded by: L. SAUER



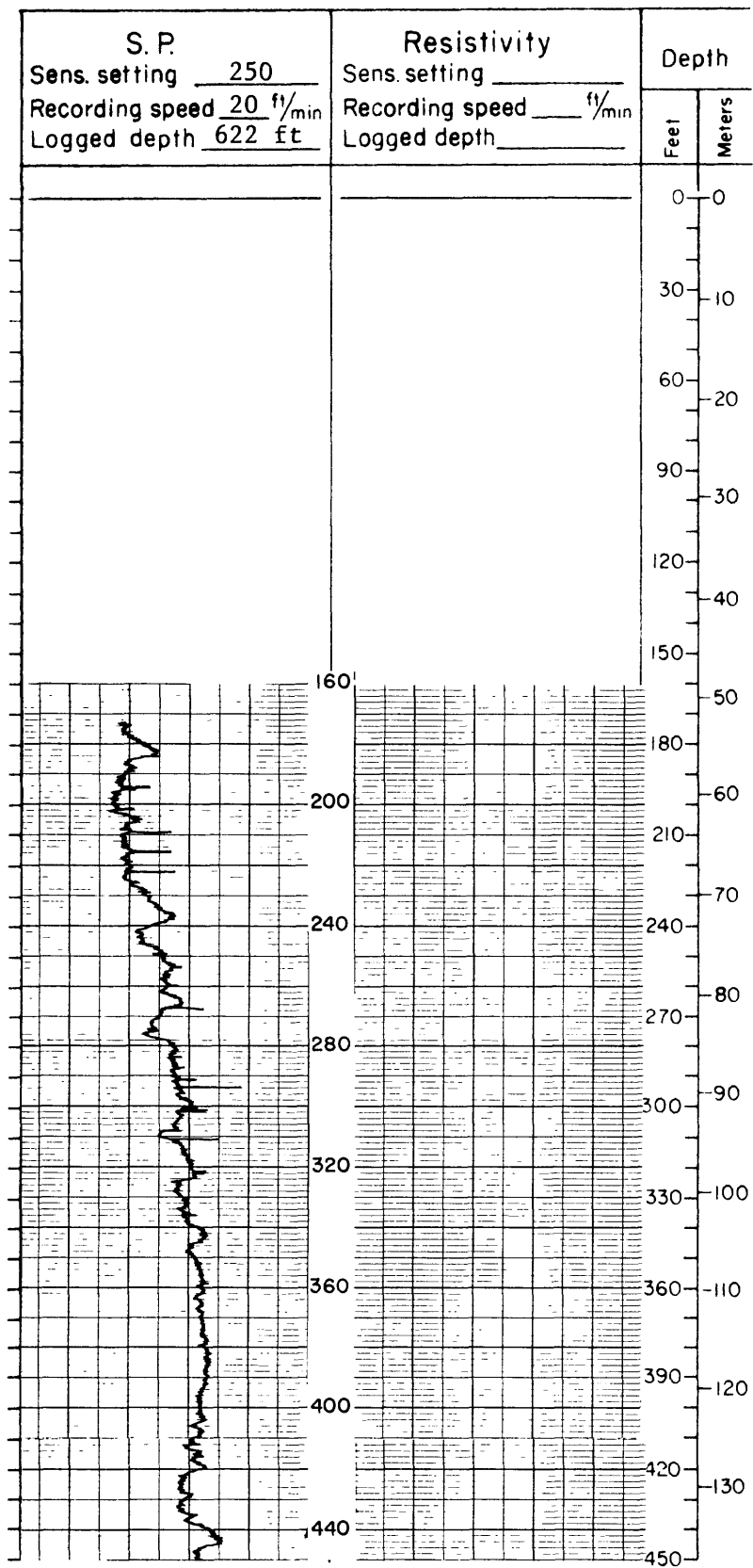
Hole number (continued)

US - 77234



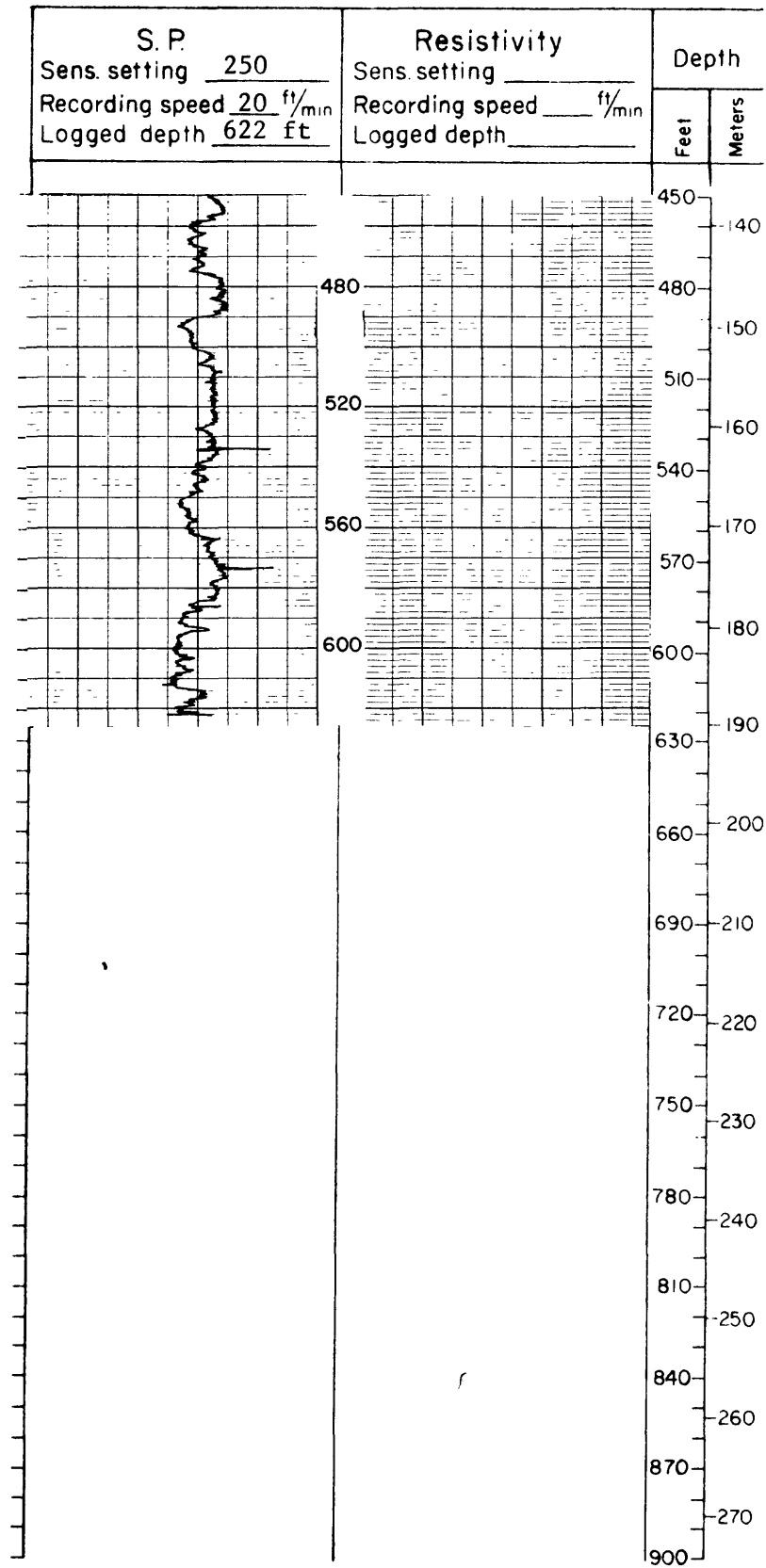
# Hole number (continued)

US- 77234



Hole number (continued)

US - 77234



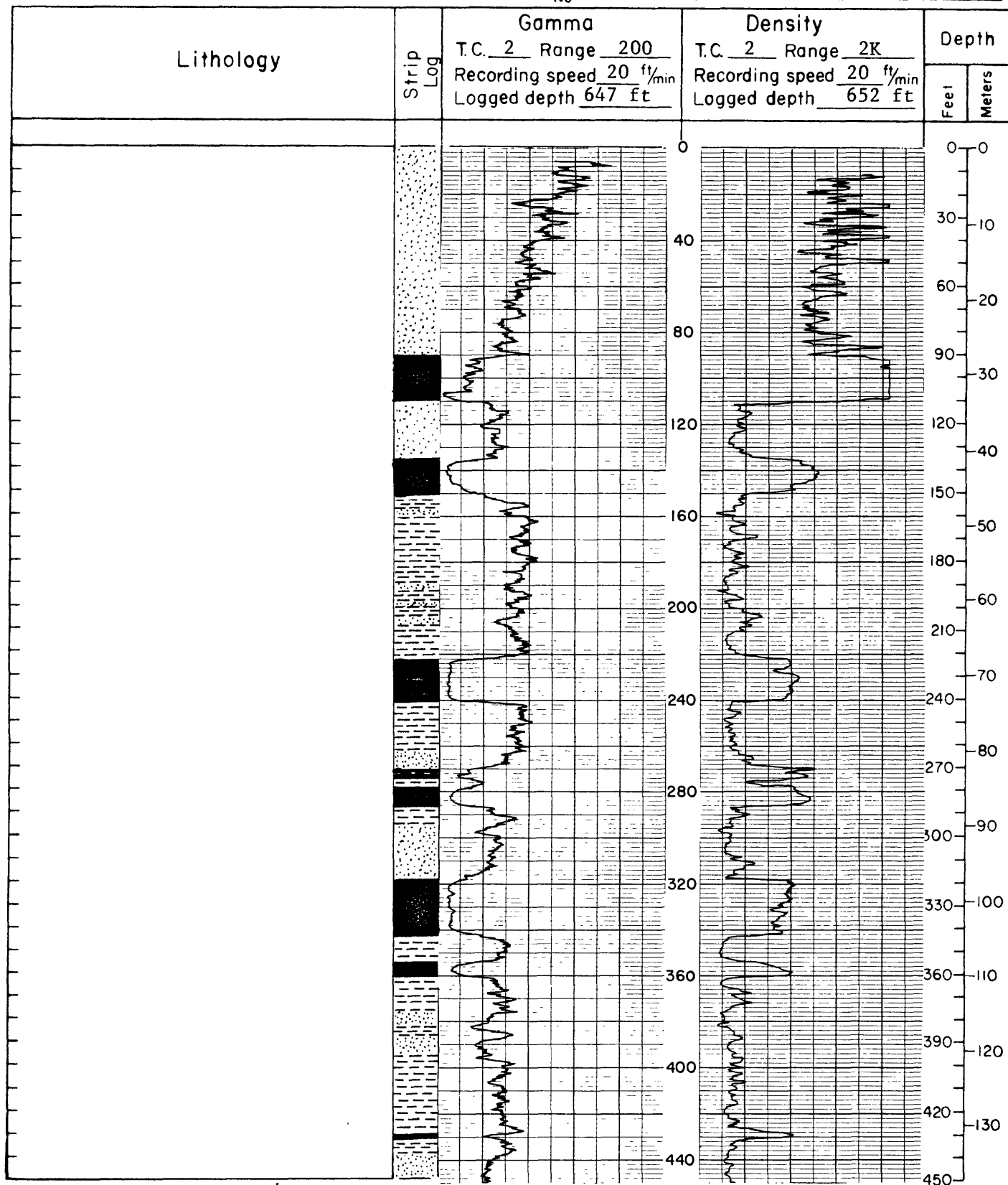
# Montana College of Mineral Science and Technology

Hole no: US-77235 Map: Calf Creek Date: 11/2/77 State: Wyoming County: Campbell  
 Elev: 4009 ft Location: T. 53 N. R. 73 W. Sec. 14, Tract DAAC Drilled depth: 655 ft  
 Measured: 2100 ft ~~FSL~~ 600 ft ~~FEL~~ ~~FW~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

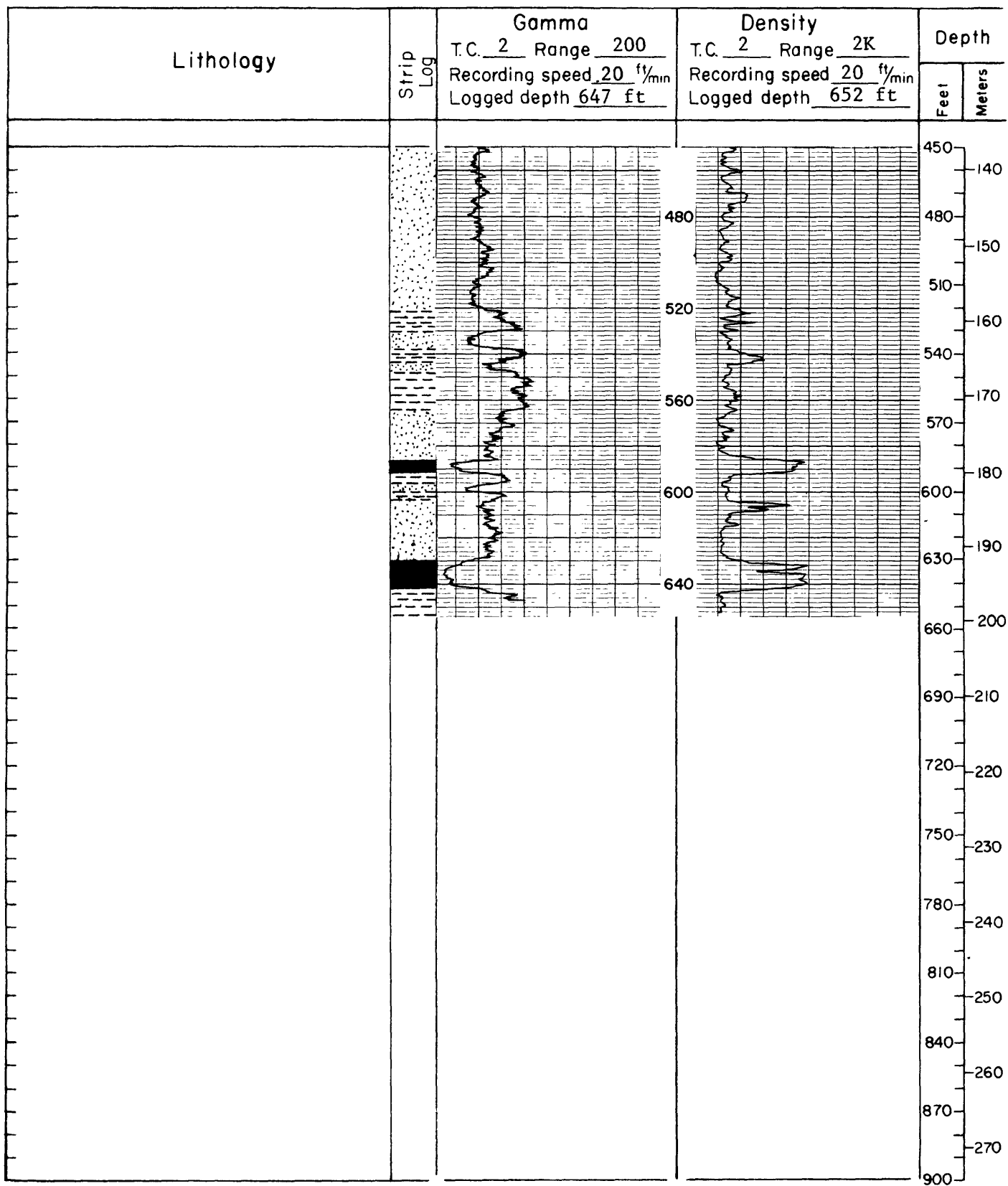
Recorded by: K. WILLIAMS

Geologist ~~XXXX~~ No Recorded by: L. SAUER



Hole number (continued)

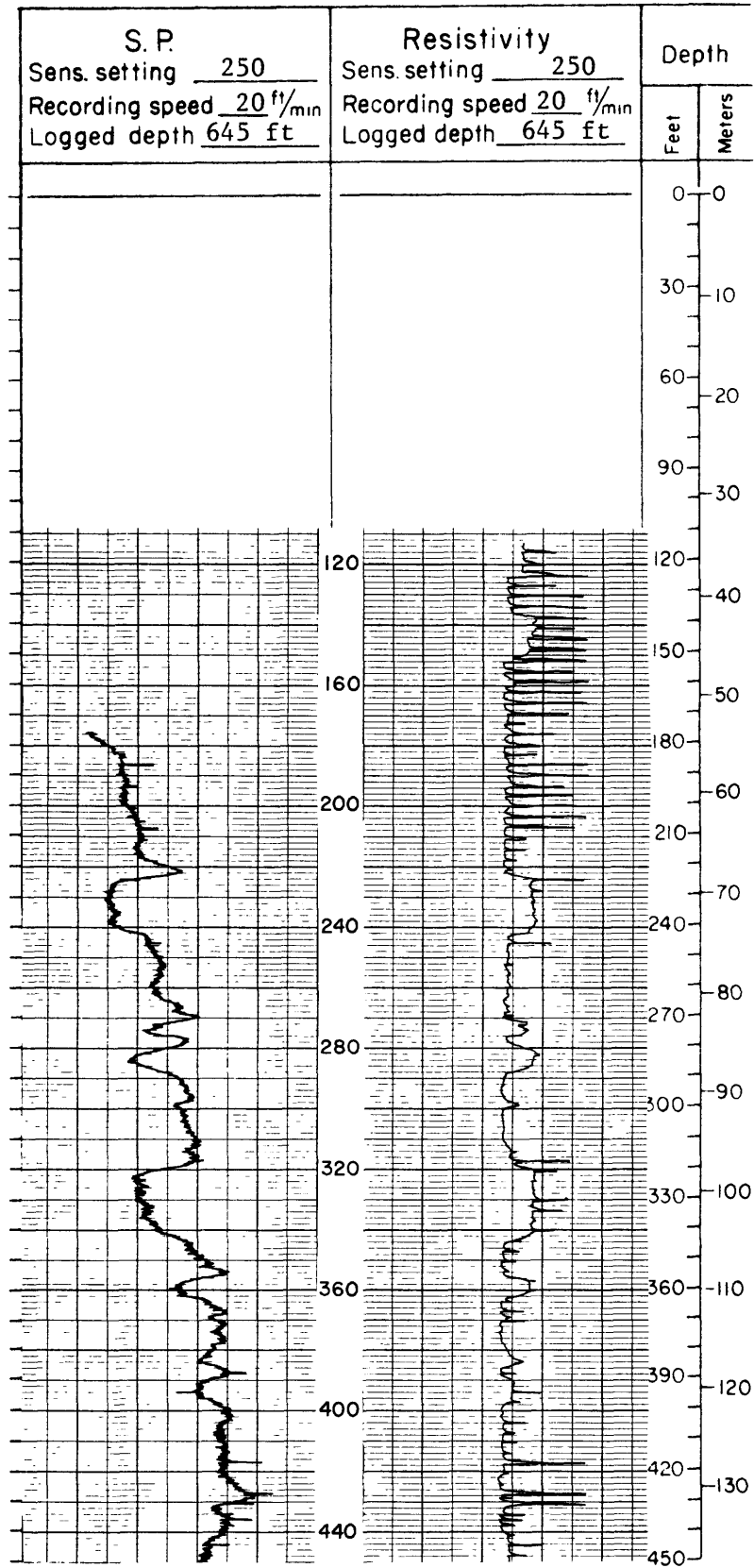
US-77235





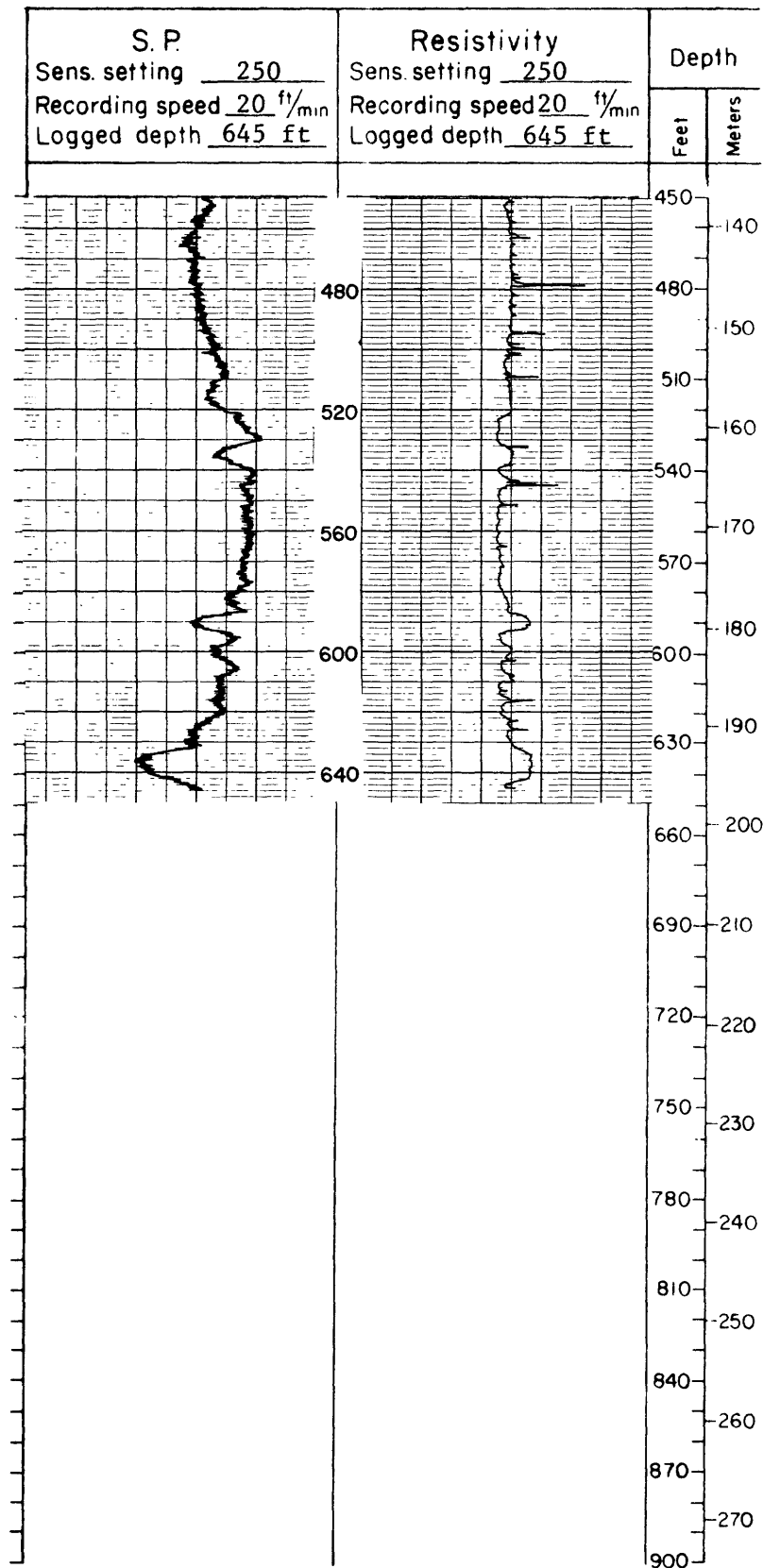
Hole number (continued)

US - 77235



# Hole number (continued)

US - 77235



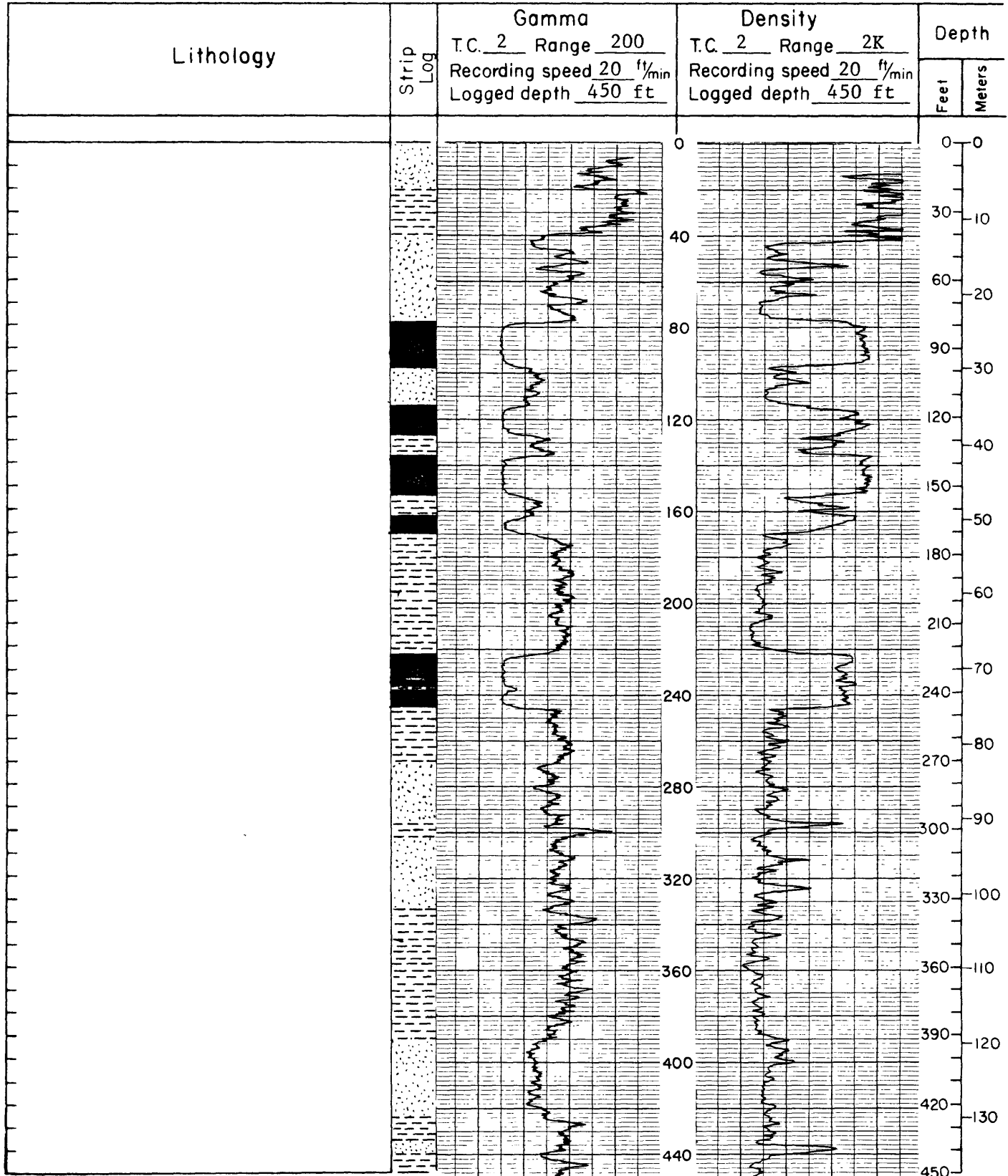
# Montana College of Mineral Science and Technology

Hole no: US-77236 Map: Calf Creek Date: 11/3/77 State: Wyoming County: Campbell  
 Elev.: 4118 ft Location: T. 53 N. 8, R. 72 W, Sec. 19, Tract BDCA Drilled depth: 470 ft  
 Measured: 2100 ft FNL 1925 ft ~~FWL~~ ~~REX~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist <sup>Yes</sup><sub>No</sub> Recorded by: L. SAUER



E101

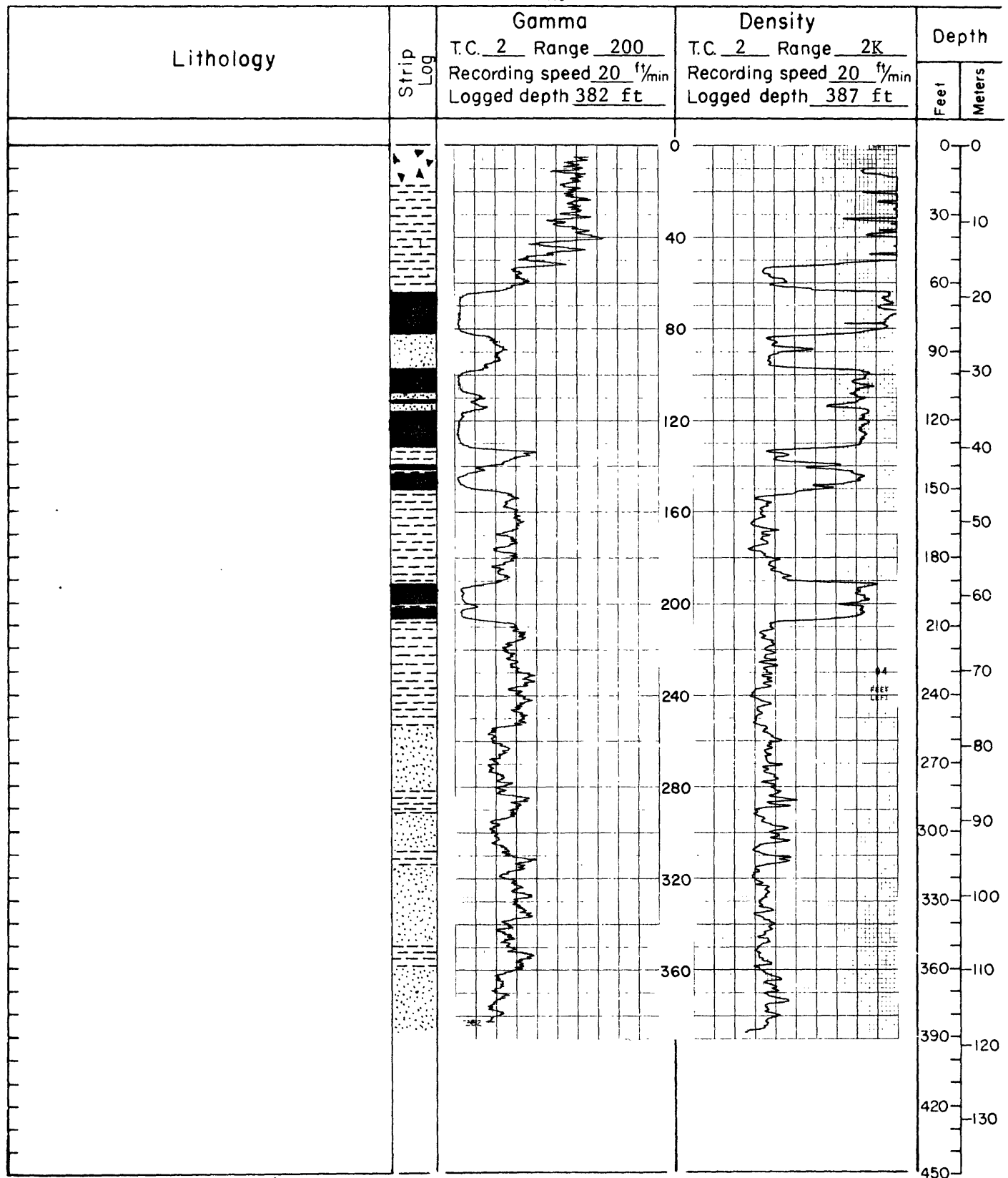
# Montana College of Mineral Science and Technology

Hole no: US-77237 Map: Calf Creek Date: 11/3/77 State: Wyoming County: Campbell  
 Elev.: 4139 ft Location: T. 53 <sup>N.</sup> <sub>S.</sub>, R. 72 <sup>E.</sup> <sub>W.</sub>, Sec. 19, Tract ABAB Drilled depth: 390 ft  
 Measured: 150 ft <sup>FNL</sup> ~~XXX~~ 1925 ft <sup>FEL</sup> ~~XXX~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist ~~XXX~~ <sup>No</sup> Recorded by: L. SAUER



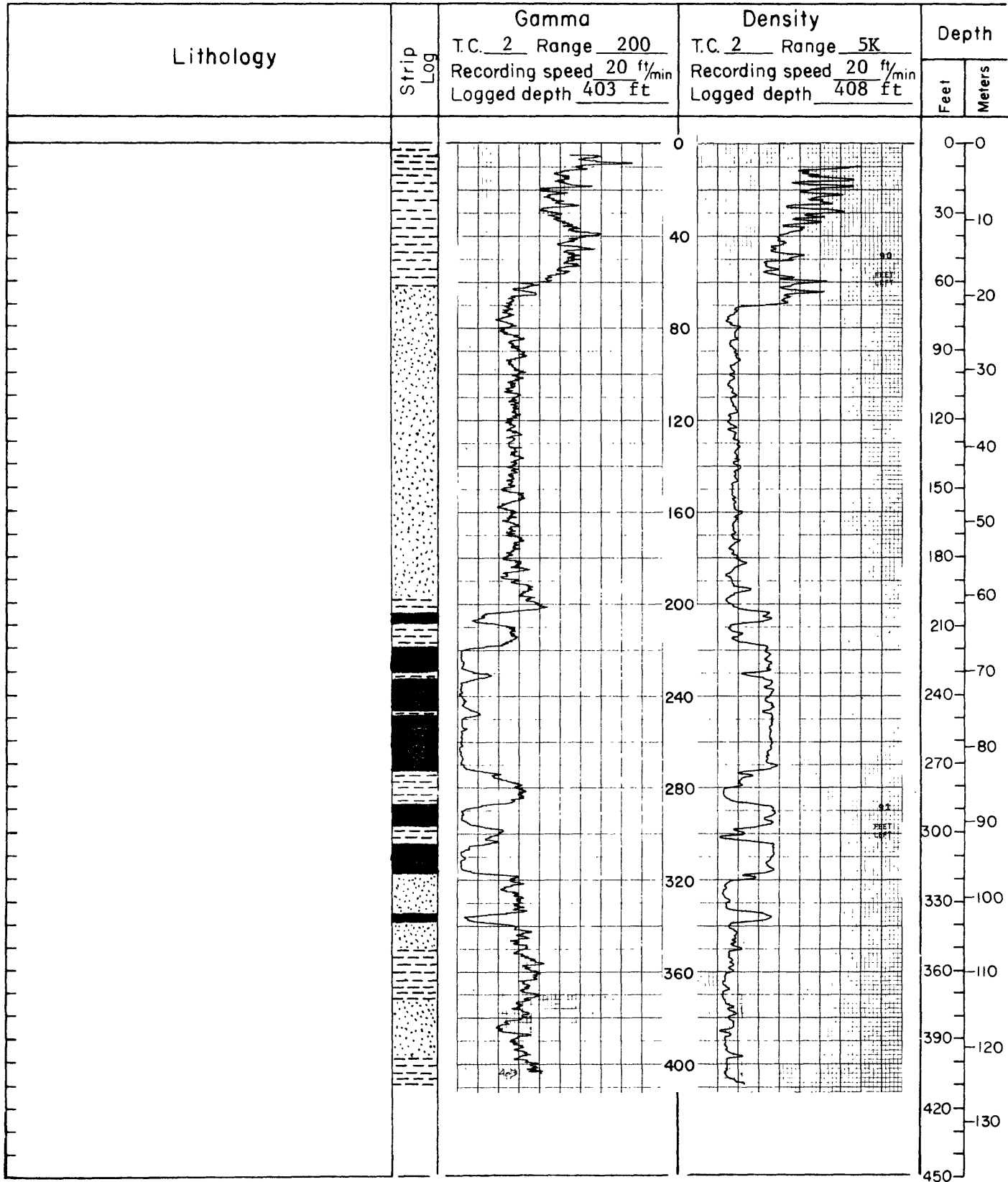
**Montana College of Mineral Science and Technology**

Hole no: US-77238 Map: Calf Creek Date: 11/3/77 State: Wyoming County: Campbell  
 Elev.: 4310 ft Location: T. 53 N. 2 R. 72 W. Sec. 21, Tract BBBD Drilled depth: 410 ft  
 Measured: 550 ft <sup>FNL</sup> ~~RSU~~ 400 ft <sup>KKK</sup> ~~FWL~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist <sup>X86</sup> ~~No~~ Recorded by: L. SAUER



# Montana College of Mineral Science and Technology

Hole no: US-77239 Map: Calf Creek Date: 11/4/77 State: Wyoming County: Campbell

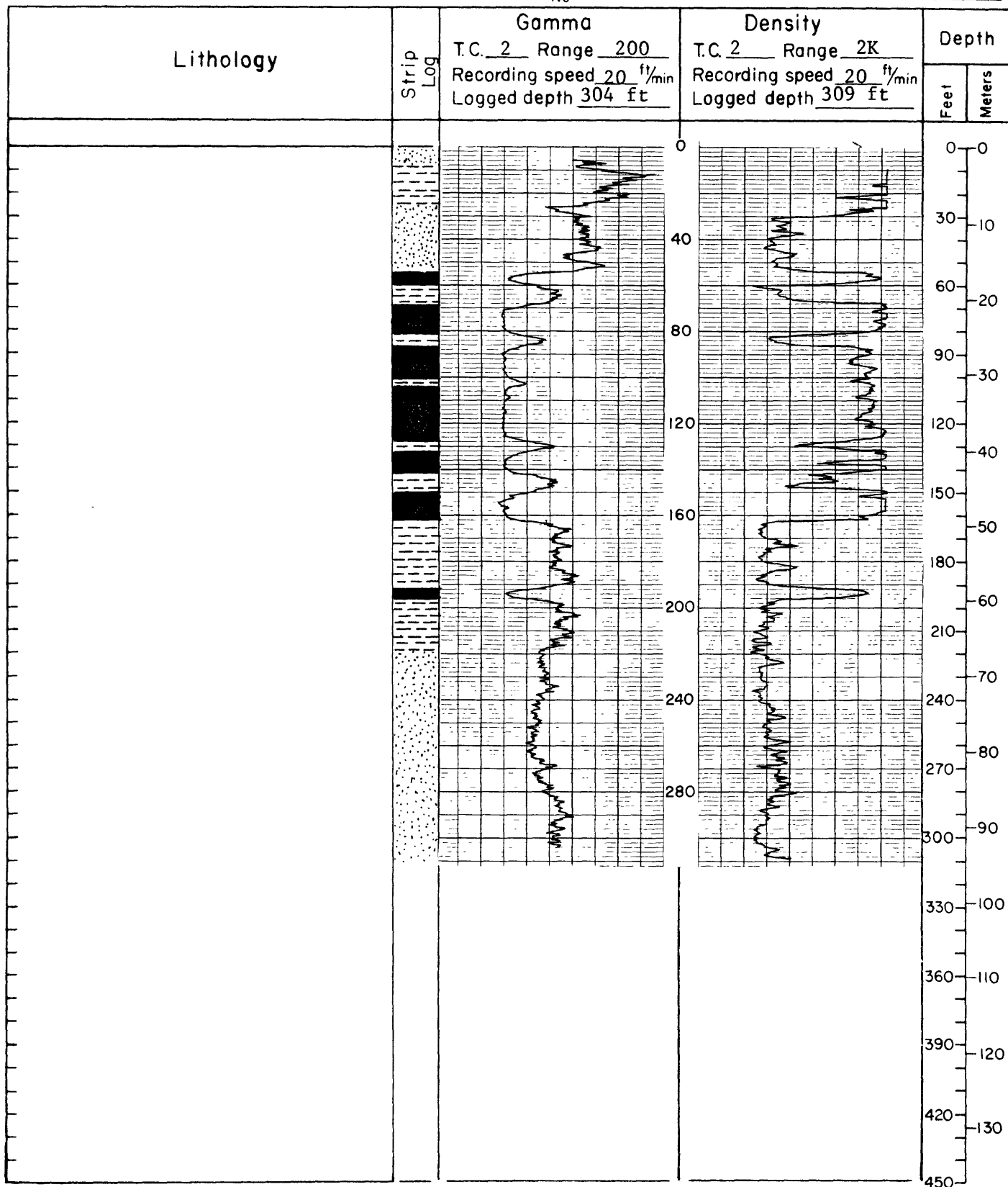
Elev: 4223 ft Location: T. 53 N. 8, R. 72 W. Sec. 21, Tract ABBD Drilled depth: 310 ft

Measured: 550 ft ~~FNL~~ 2150 ft ~~FEL~~ ~~RWL~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: L. SAUER

Geologist ~~Yes~~ No Recorded by: L. SAUER



# Montana College of Mineral Science and Technology

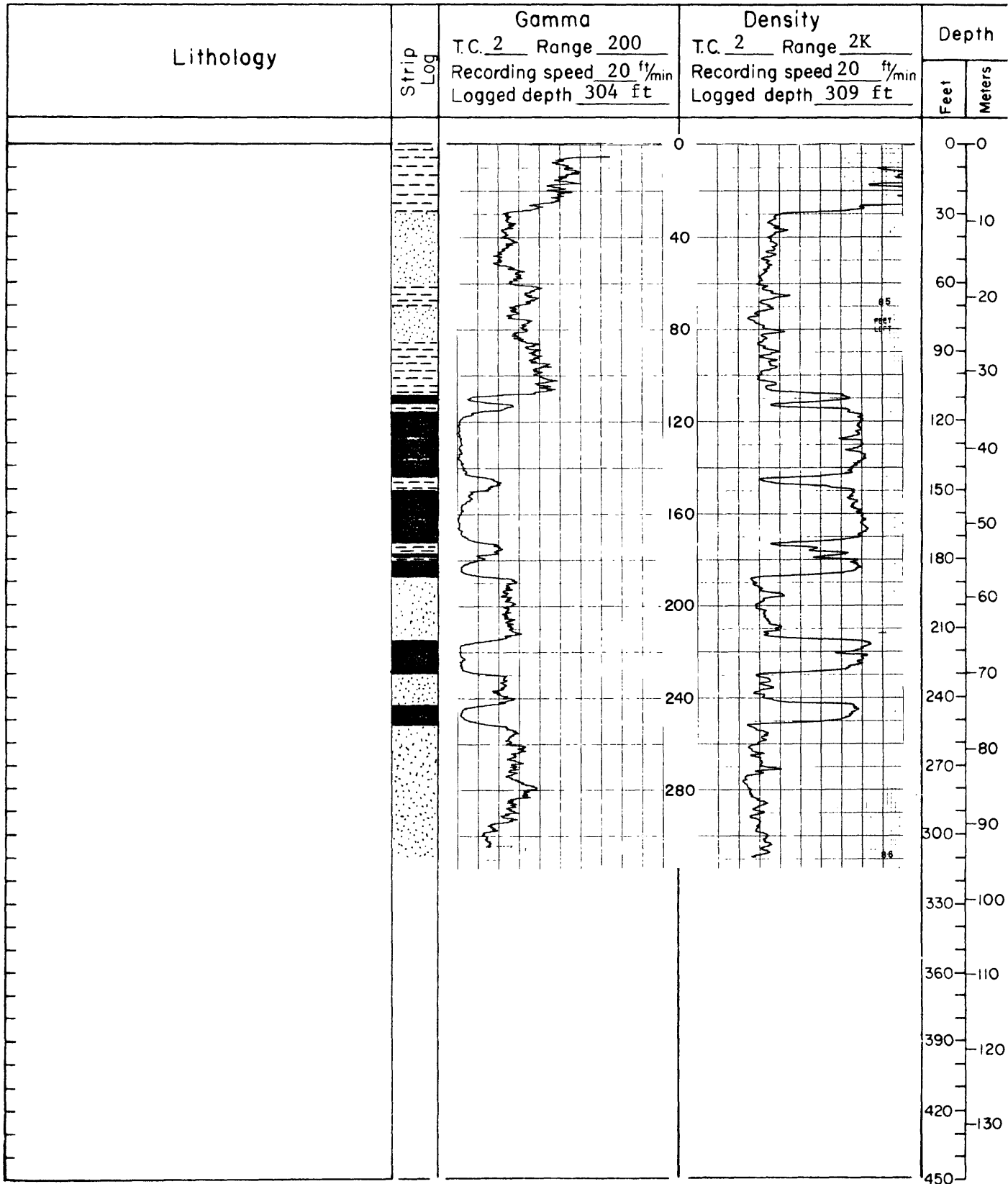
Hole no: US-77240 Map: Calf Creek Date: 11/4/77 State: Wyoming County: Campbell  
 Elev.: 4255 ft Location: T. 53 N. 8, R. 72 W., Sec. 28, Tract CCDB Drilled depth: 310 ft  
 Measured: 600 ft ~~XXX~~ FSL, 800 ft ~~XXX~~ FWL Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist ~~Yes~~ No

Recorded by: L. SAUER



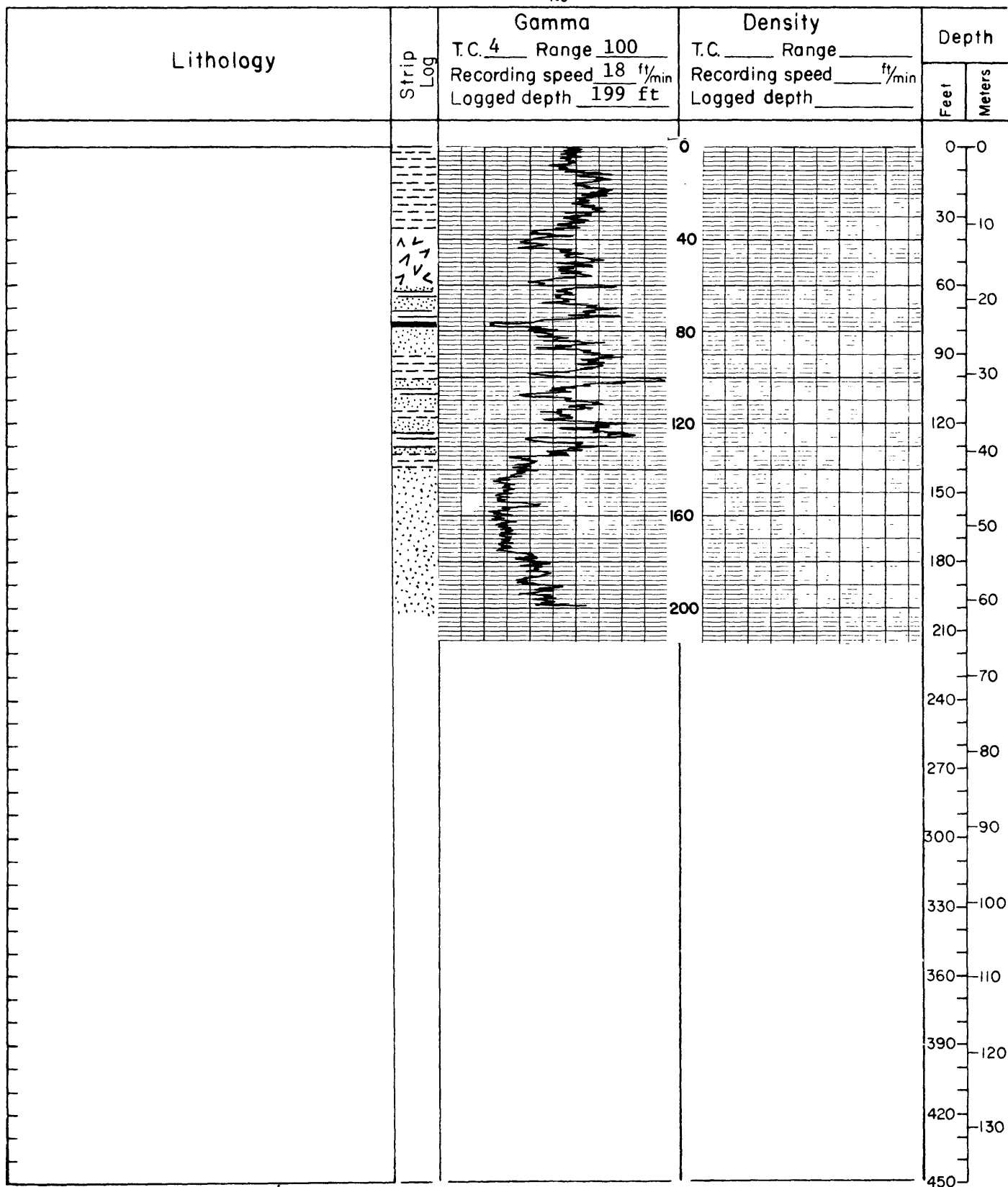
**Montana College of Mineral Science and Technology**

Hole no: US-77241 Map: Teckla Date: 9/8/77 State: Wyoming County: Campbell  
 Elev: 4652 ft Location: T. 41 <sup>N.</sup><sub>S.</sub> R. 70 <sup>E.</sup><sub>W.</sub> Sec. 15, Tract ABCA Drilled depth: 200 ft  
 Measured: 890 ft <sup>FNL</sup><sub>RS</sub> 3050 ft <sup>FWL</sup><sub>XXX</sub> Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: E. WOODS

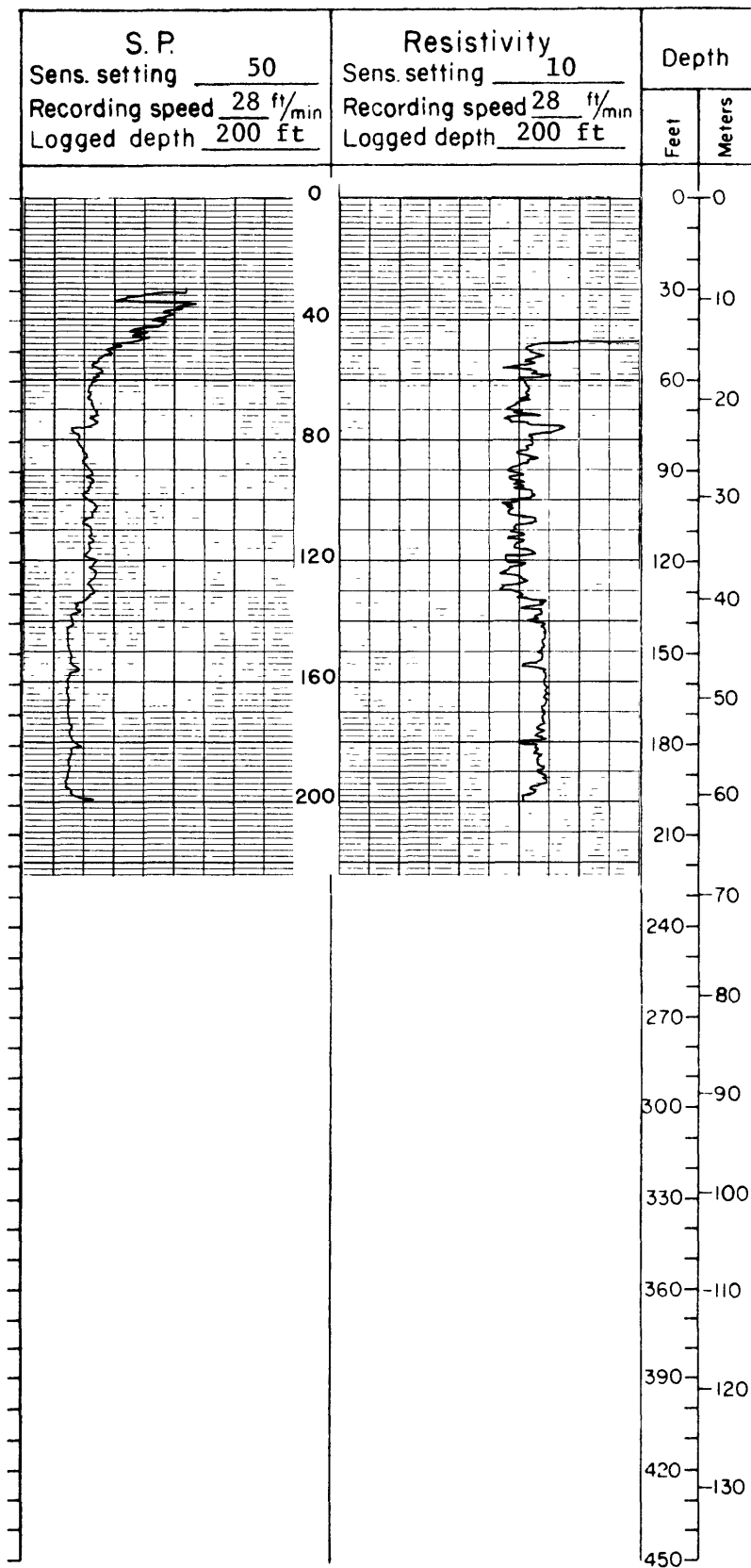
Geologist <sup>XXX</sup><sub>No</sub> Recorded by: F. KISTNER





# Hole number (continued)

US - 77241



**Montana College of Mineral Science and Technology**

Hole no: US-77242 Map: Teckla Date 9/13/77 State: Wyoming County: Campbell  
 Elev. 4697 ft Location: T. 41 <sup>N.</sup><sub>S.</sub> R. 70 <sup>E.</sup><sub>W.</sub> Sec. 15, Tract CCAD Drilled depth: 150 ft  
 Measured: 680 ft ~~FSL~~ <sup>FWL</sup>, 1080 ft ~~FWL~~ <sup>FSL</sup> Hole size: 4 3/4 in Air ☐ Water ☒ Cored: Yes ☐ No ☒  
 Remarks: Clinker hole; no logs.

Recorded by: E. WOODS Geologist ~~Yes~~ <sup>No</sup> Recorded by: \_\_\_\_\_

Lithology	Strip Log	Gamma	Density	Depth	
		T.C. _____ Range _____ Recording speed _____ ft/min Logged depth _____	T.C. _____ Range _____ Recording speed _____ ft/min Logged depth _____	Feet	Meters
				0	0
				30	10
				60	20
				90	30
				120	40
				150	50
				180	60
				210	70
				240	80
				270	90
				300	100
				330	110
				360	120
				390	130
				420	
				450	

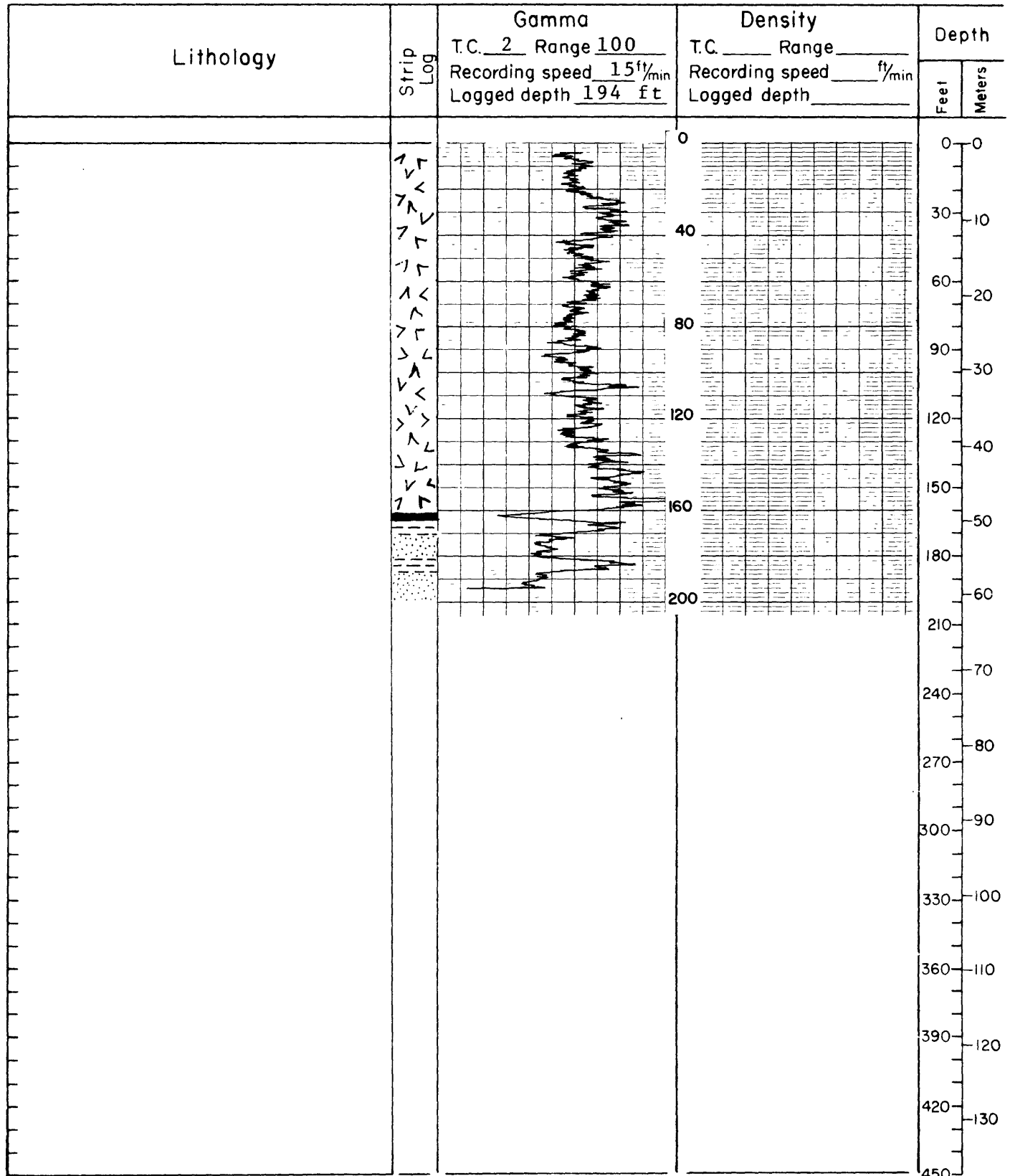
# Montana College of Mineral Science and Technology

Hole no: UIS-77243 Map: Teckla Date 9/9/77 State: Wyoming County: Campbell  
 Elev.: 4759 ft Location: T. 41 N. R. 70 W. Sec. 15, Tract DBCA Drilled depth: 200 ft  
 Measured: 1700 ft <sup>FSL</sup> 3090 ft <sup>FWL</sup> Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

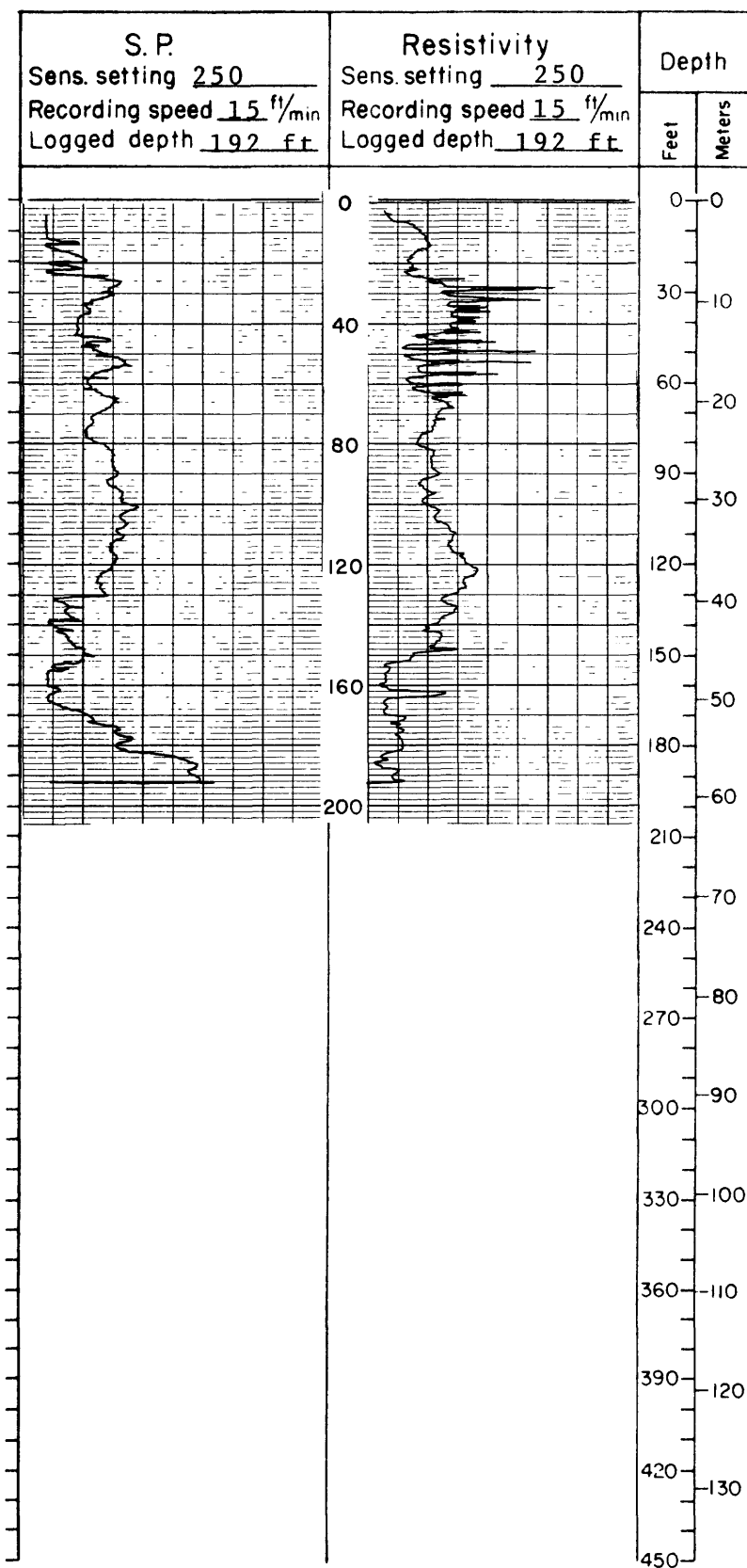
Recorded by: E. WOODS

Geologist <sup>XXXX</sup> No \_\_\_\_\_ Recorded by: L. SAUER



Hole number (continued)

US-77243



# Montana College of Mineral Science and Technology

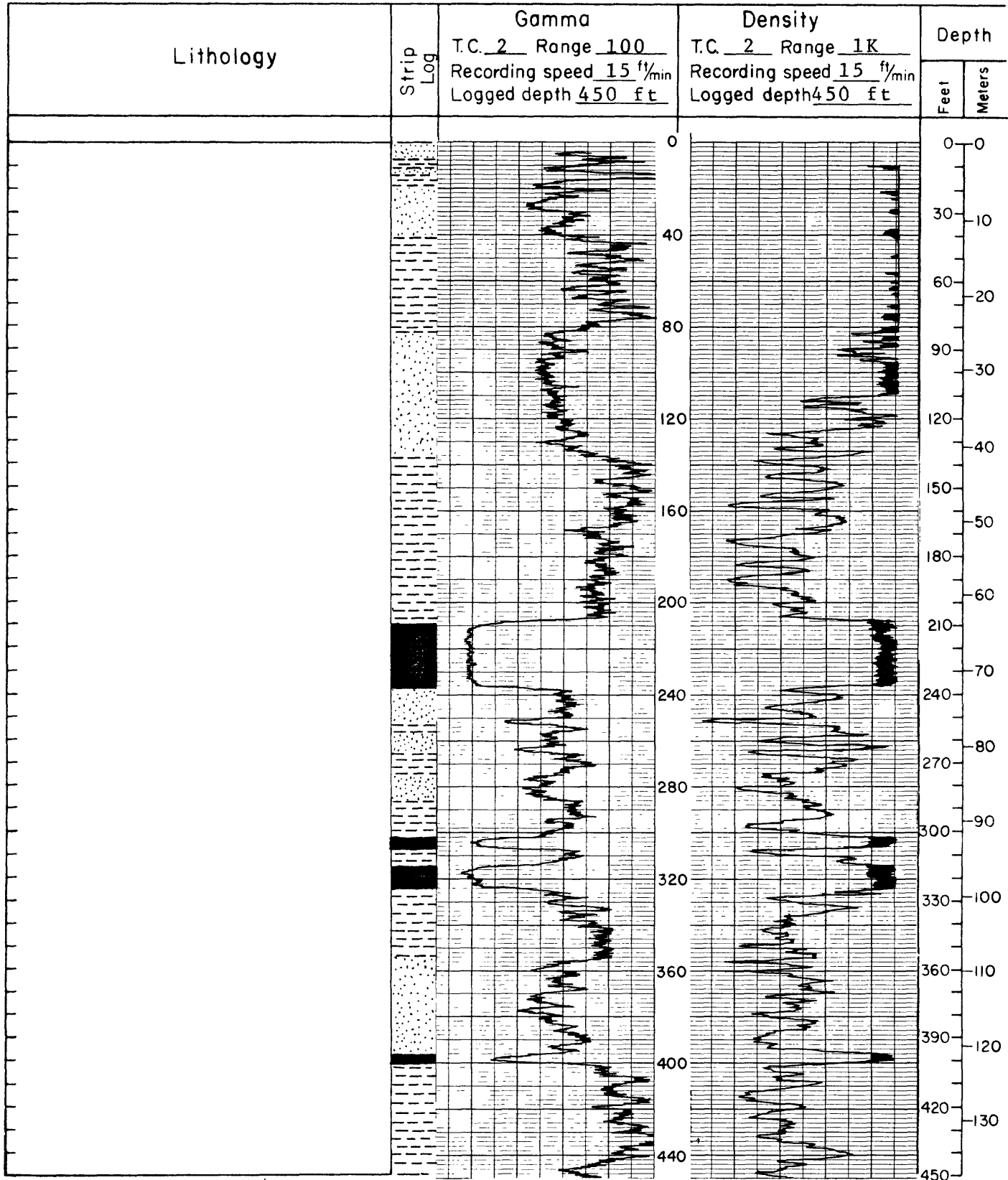
Hole no: US-77244 Map: Pitch Draw Date 9/10/77 State: Wyoming County: Campbell  
 Elev.: 4051 ft Location: T. 54 N. R. 73 E. Sec. 10, Tract ACBD Drilled depth: 460 ft  
 Measured: 1860 ft <sup>FNL</sup> 2050 ft <sup>FEL</sup> ~~FWL~~ Hole size 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: E. WOODS

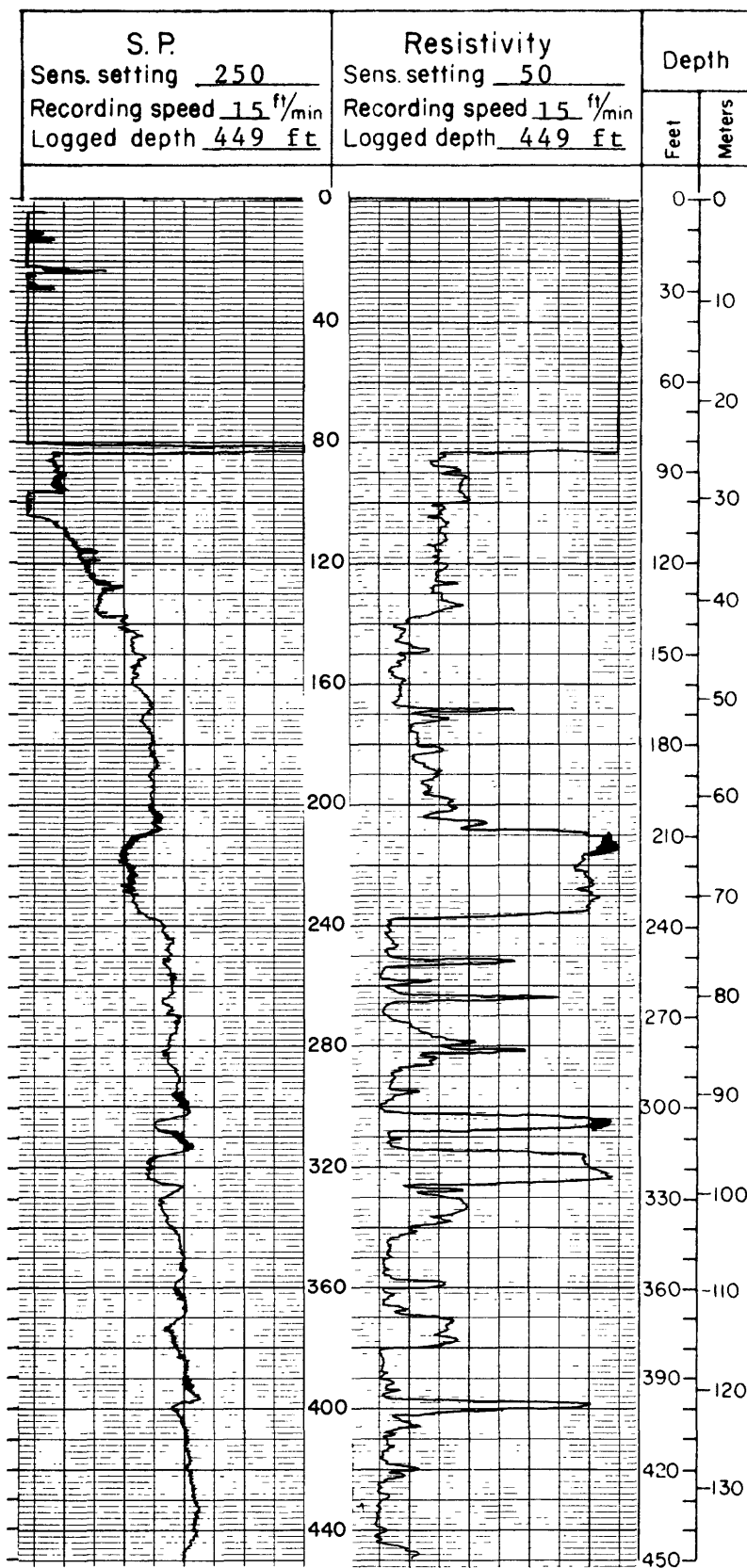
Geologist <sup>Yes</sup> ~~No~~

Recorded by: L. SAUER



# Hole number (continued)

US-77244



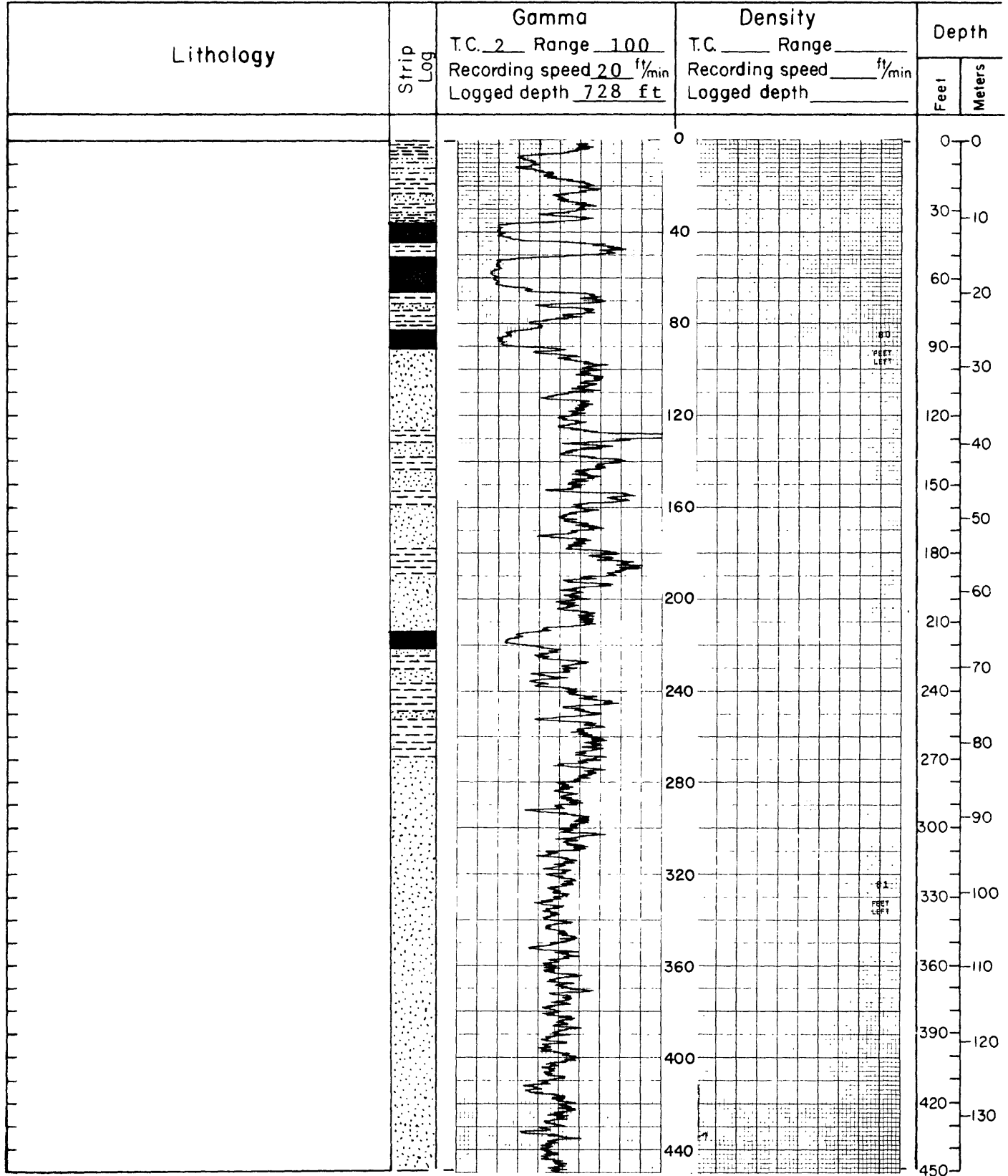
**Montana College of Mineral Science and Technology**

Hole no: US-77245 Map: Recluse Date 9/10/77 State Wyoming County: Campbell  
 Elev.: 4122 ft Location: T. 54 N., R. 74 W., Sec. 14, Tract ACAC Drilled depth: 740 ft  
 Measured: 1710 ft <sup>FNL</sup> 1820 ft <sup>FEL</sup> ~~RSX~~ ~~FWX~~ Hole size 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

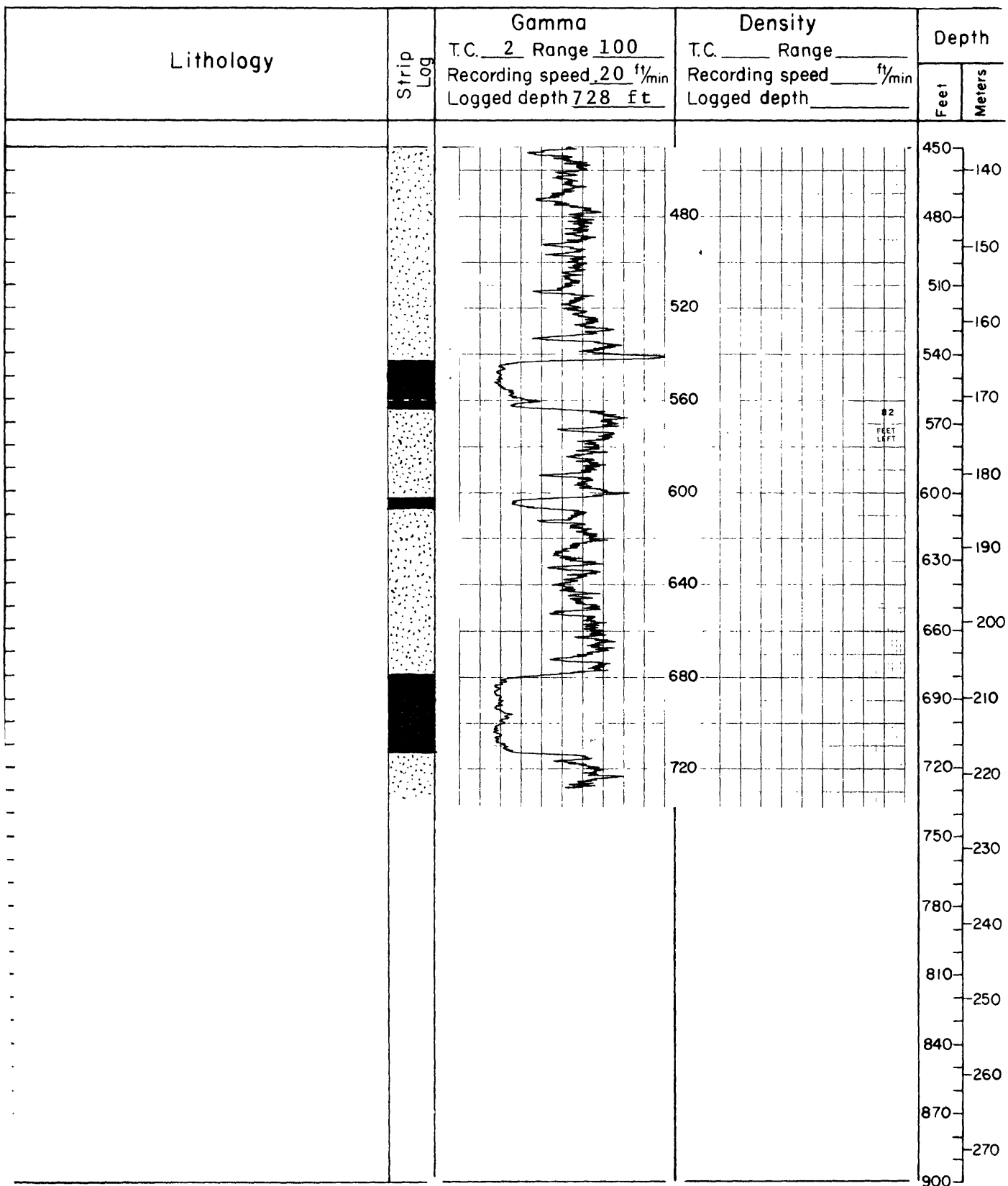
Recorded by: K. WILLIAMS

Geologist <sup>xxx</sup> ~~No~~ Recorded by: L. SAUER



Hole number (continued)

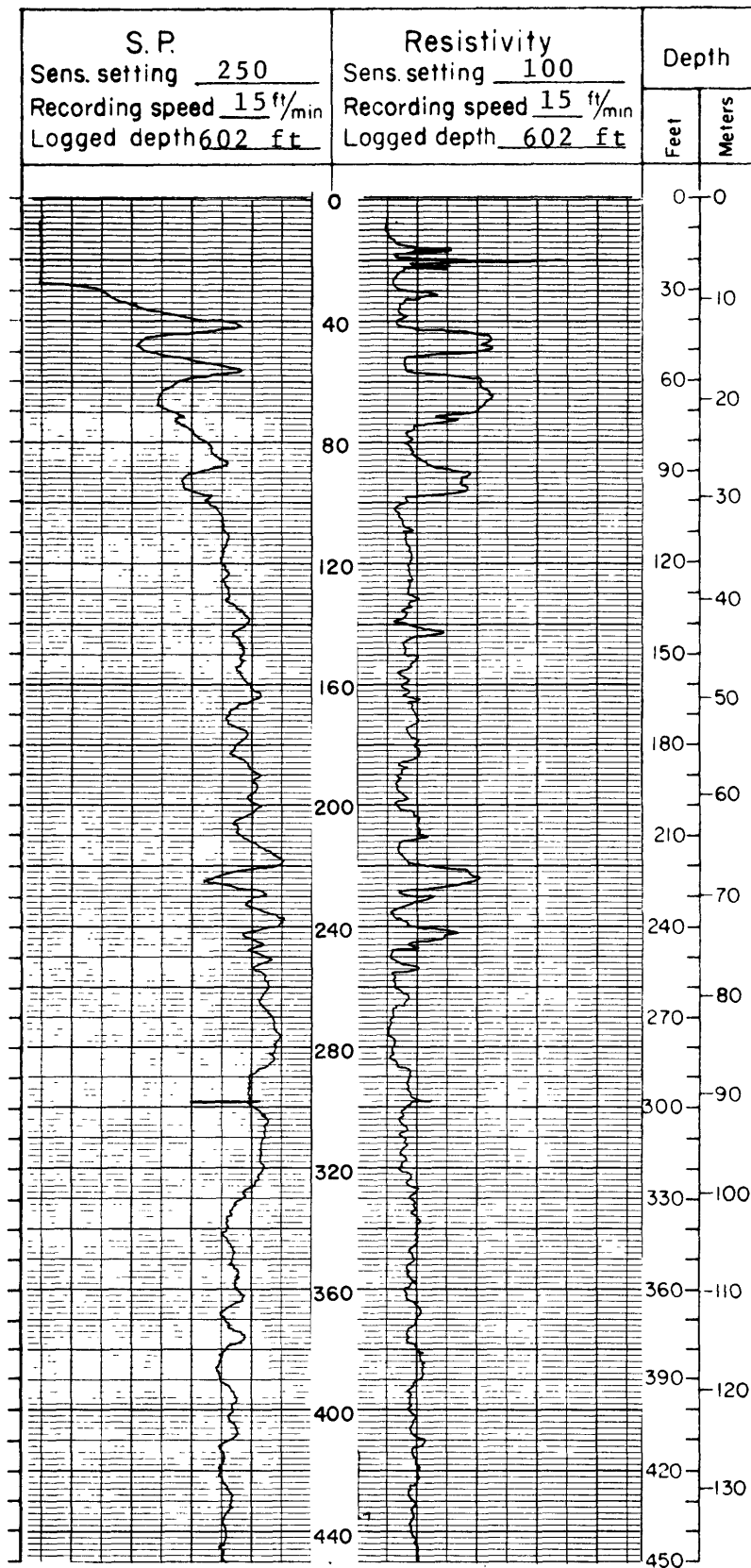
US - 77245





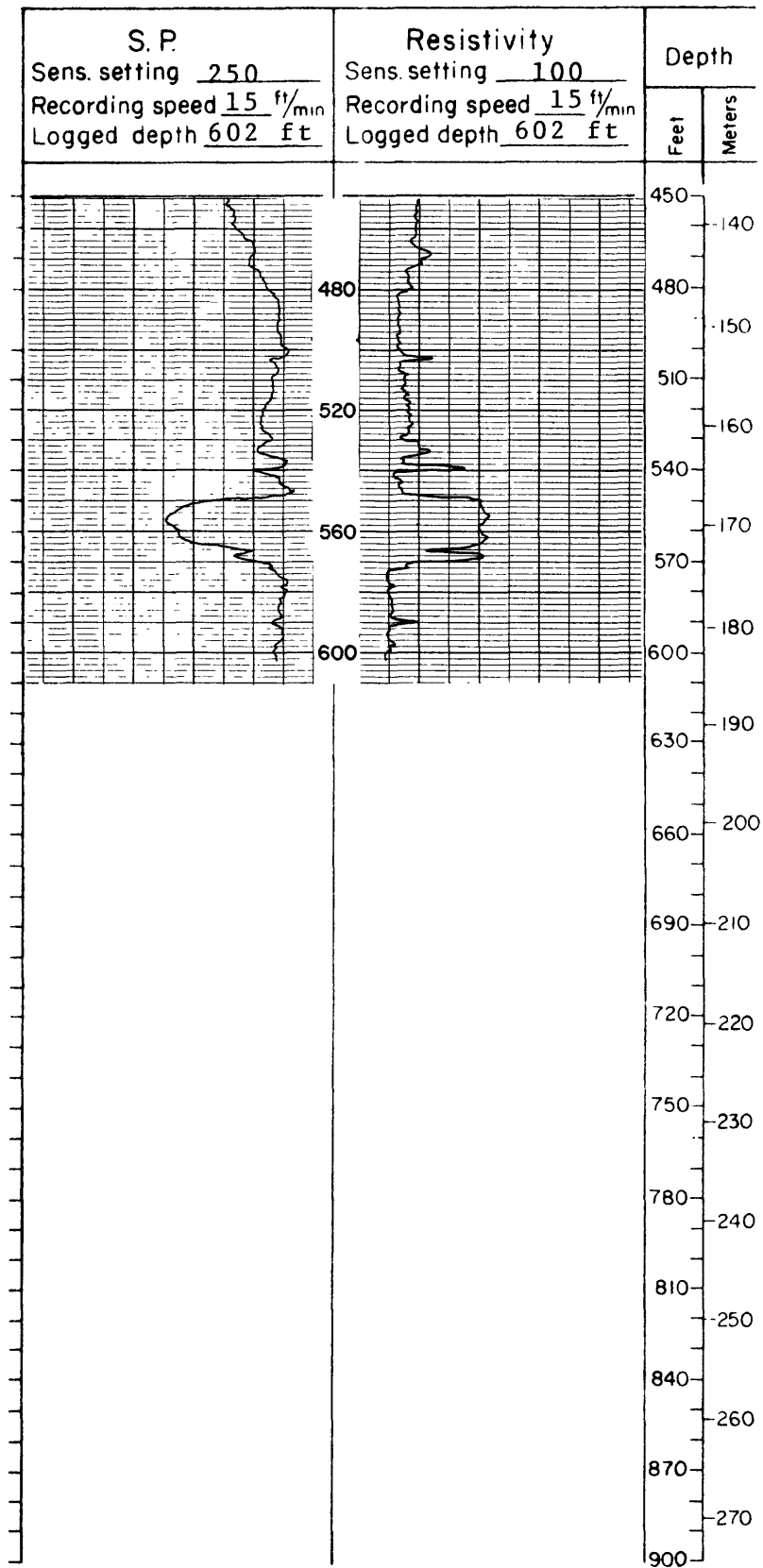
Hole number (continued)

US-77245



Hole number (continued)

US - 77245



# Montana College of Mineral Science and Technology

Hole no: US-77246 Map Homestead Draw SW Date: 9/10/77 State: Wyoming County: Campbell

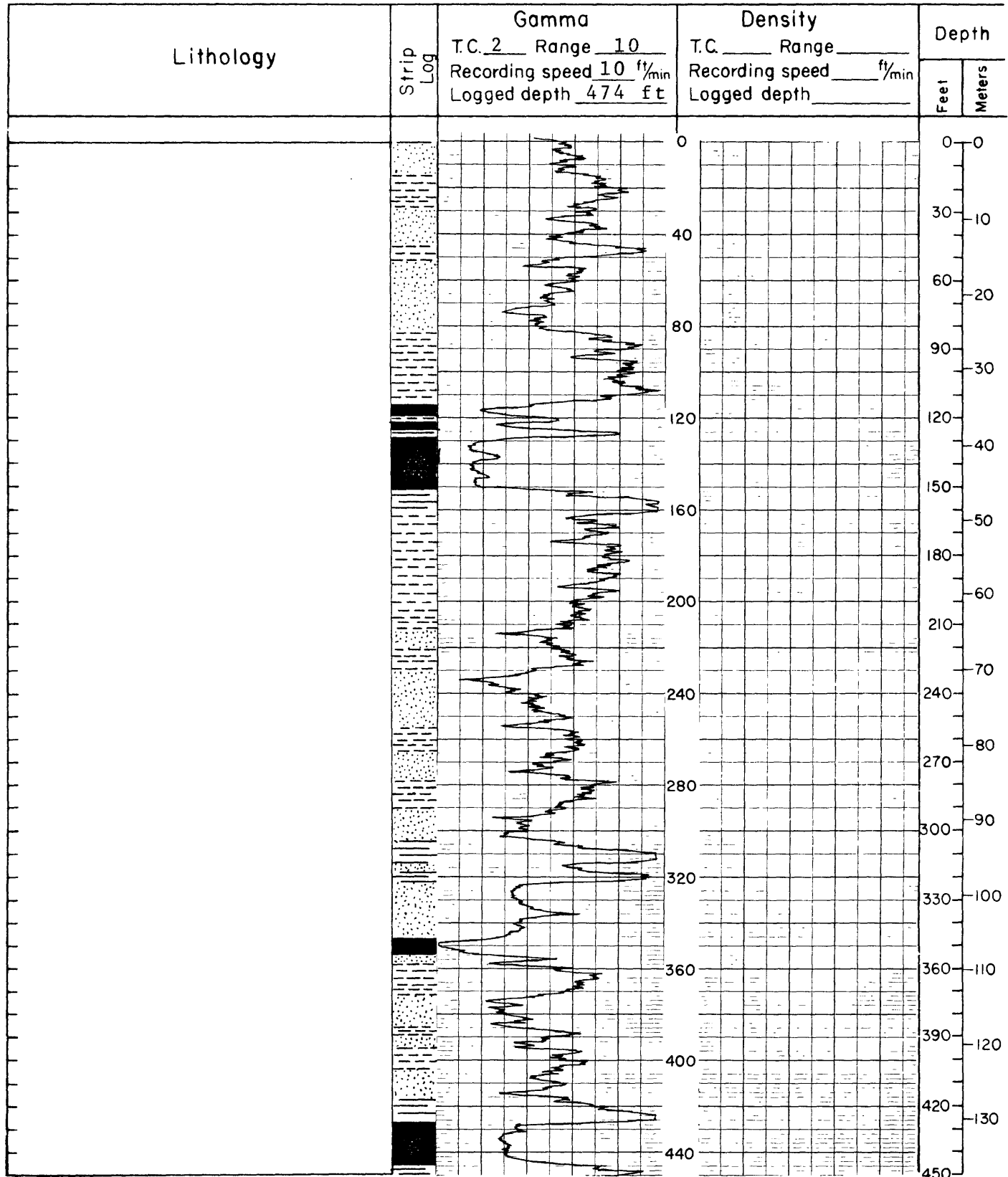
Elev: 4008 ft Location: T. 56 N, R. 73 W, Sec. 20, Tract BBAC Drilled depth: 480 ft

Measured: 650 ft ~~FNL~~ 790 ft ~~FWL~~ Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

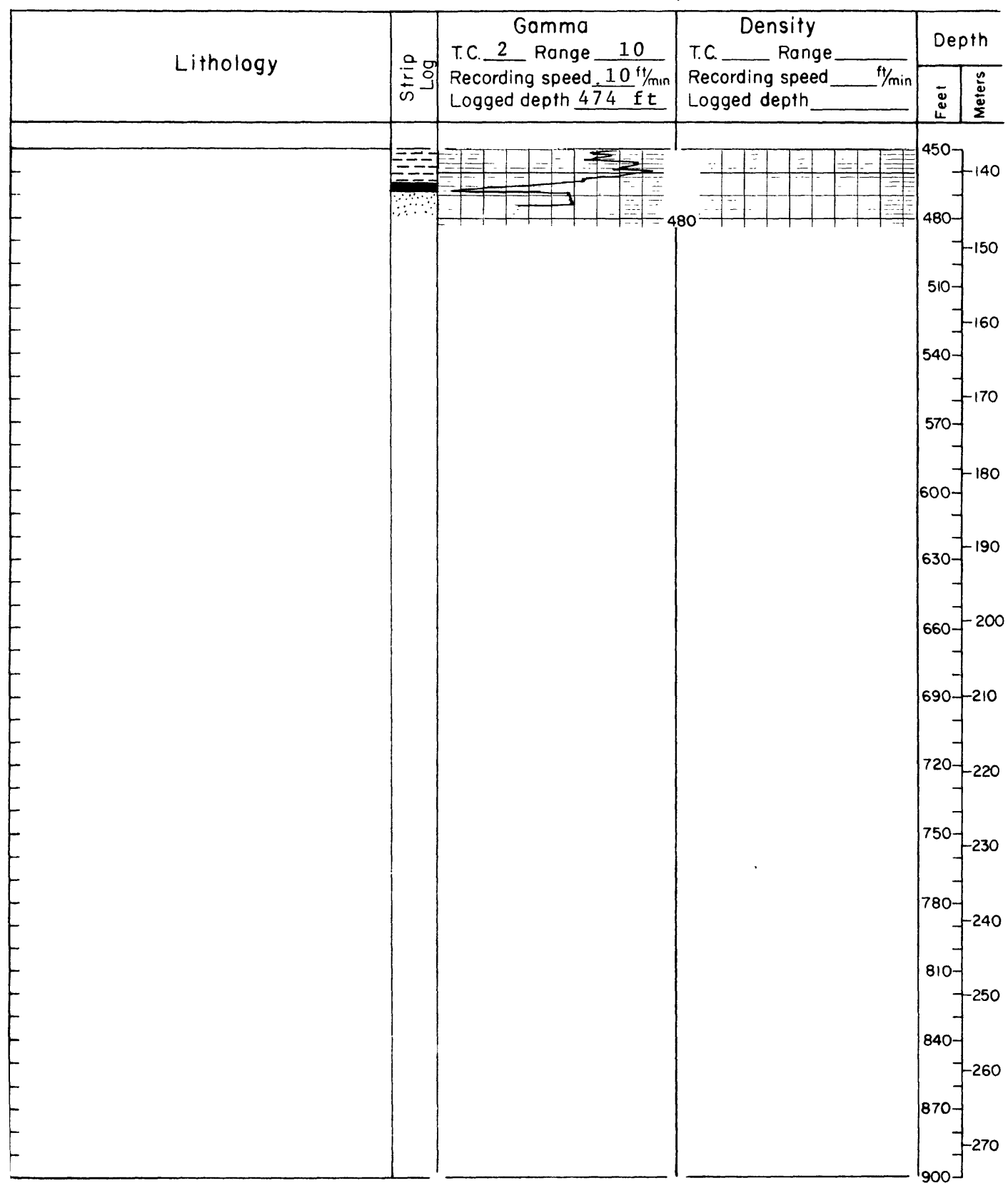
Recorded by: K. WILLIAMS

Geologist ~~XXX~~ No Recorded by: R. HOBBS



Hole number (continued)

US- 77246



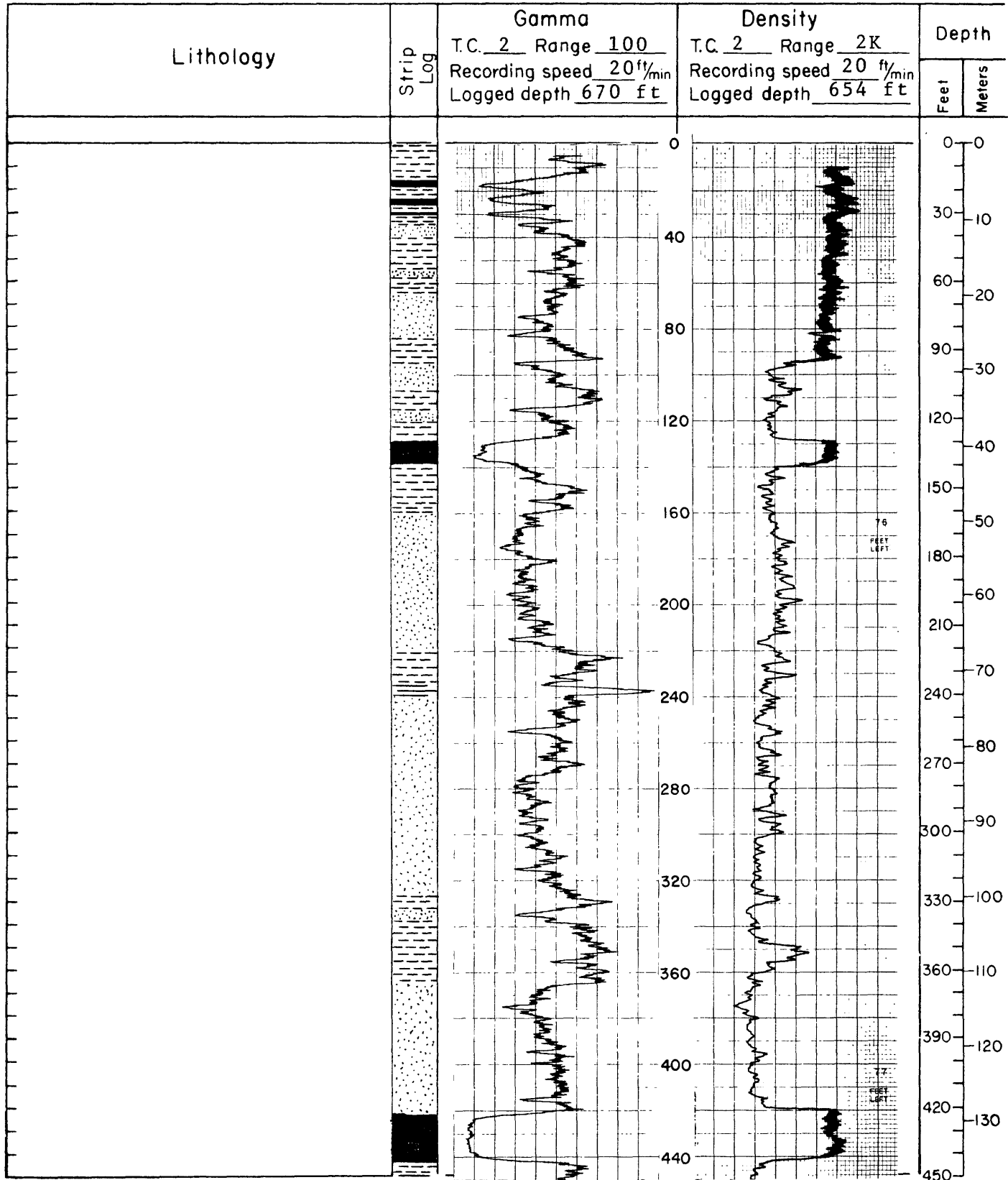
# Montana College of Mineral Science and Technology

Hole no: US-77247 Map: Recluse Date: 9/20/77 State: Wyoming County: Campbell  
 Elev. 4087 ft Location: T. 54 N. 9 R. 74 W. Sec. 12, Tract BDAB Drilled depth: 680 ft  
 Measured: 1400 ft FNL 55x, 2200 ft FWL 80x Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

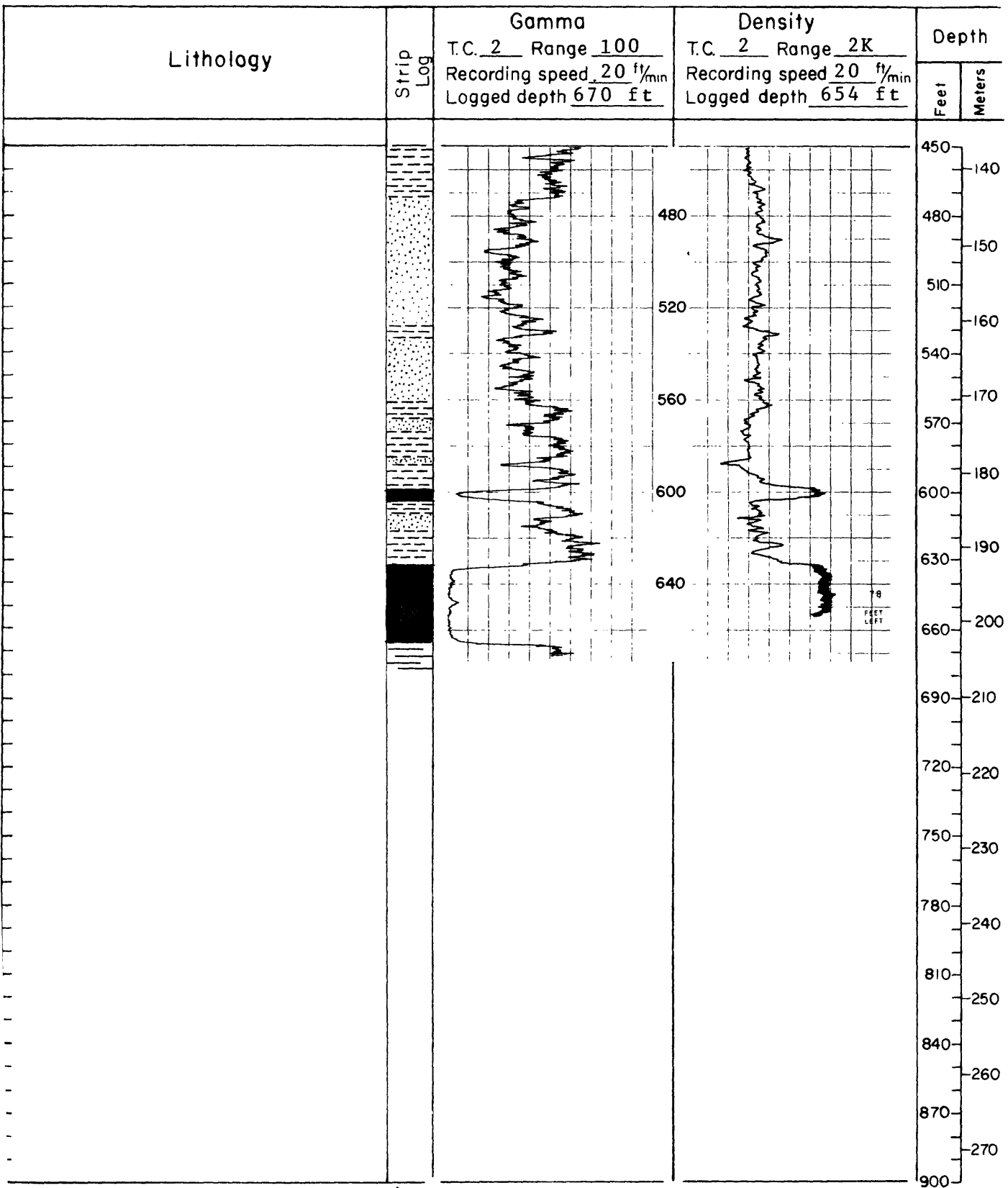
Recorded by: E. WOODS

Geologist <sup>Yes</sup>No Recorded by: L. SAUER



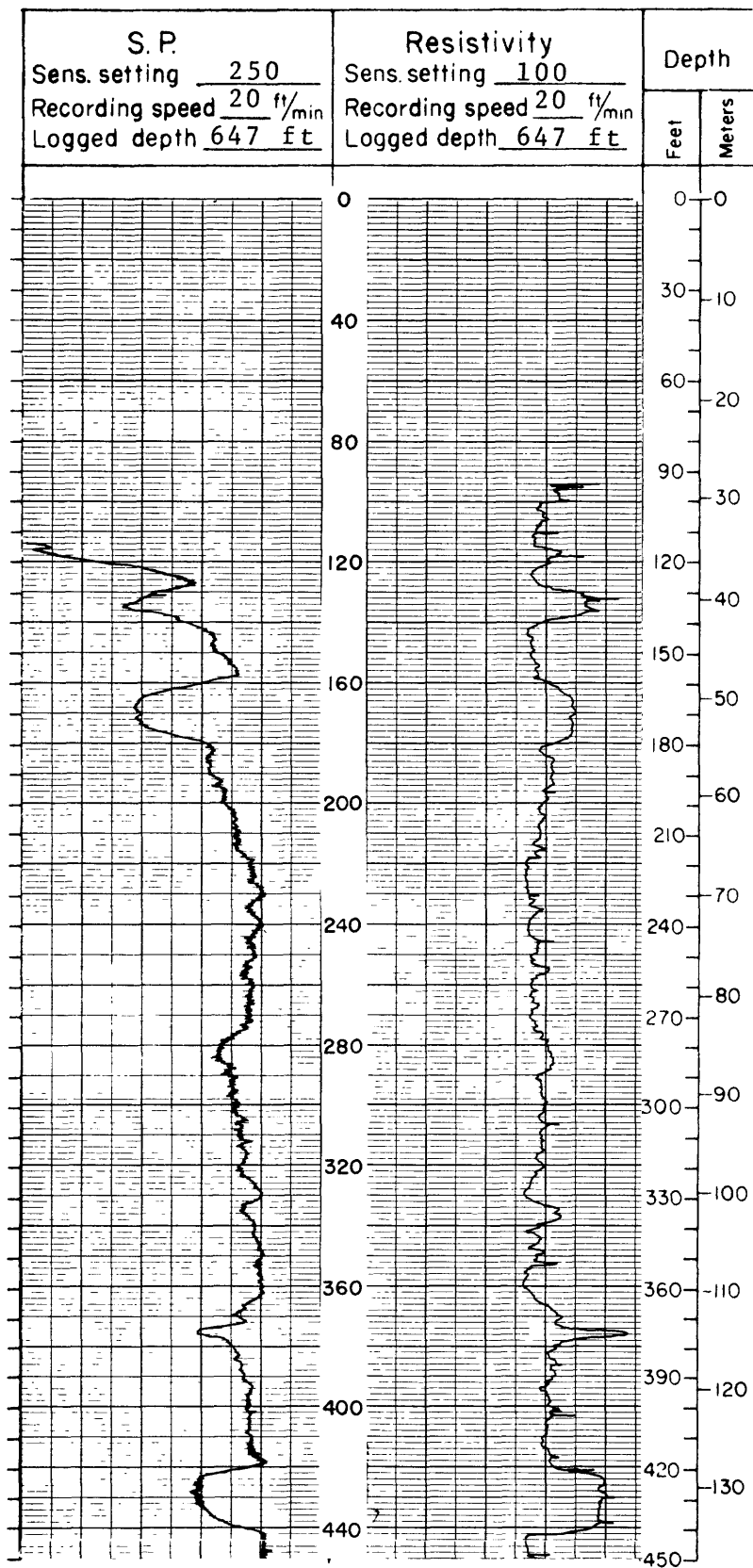
Hole number (continued)

US- 77247



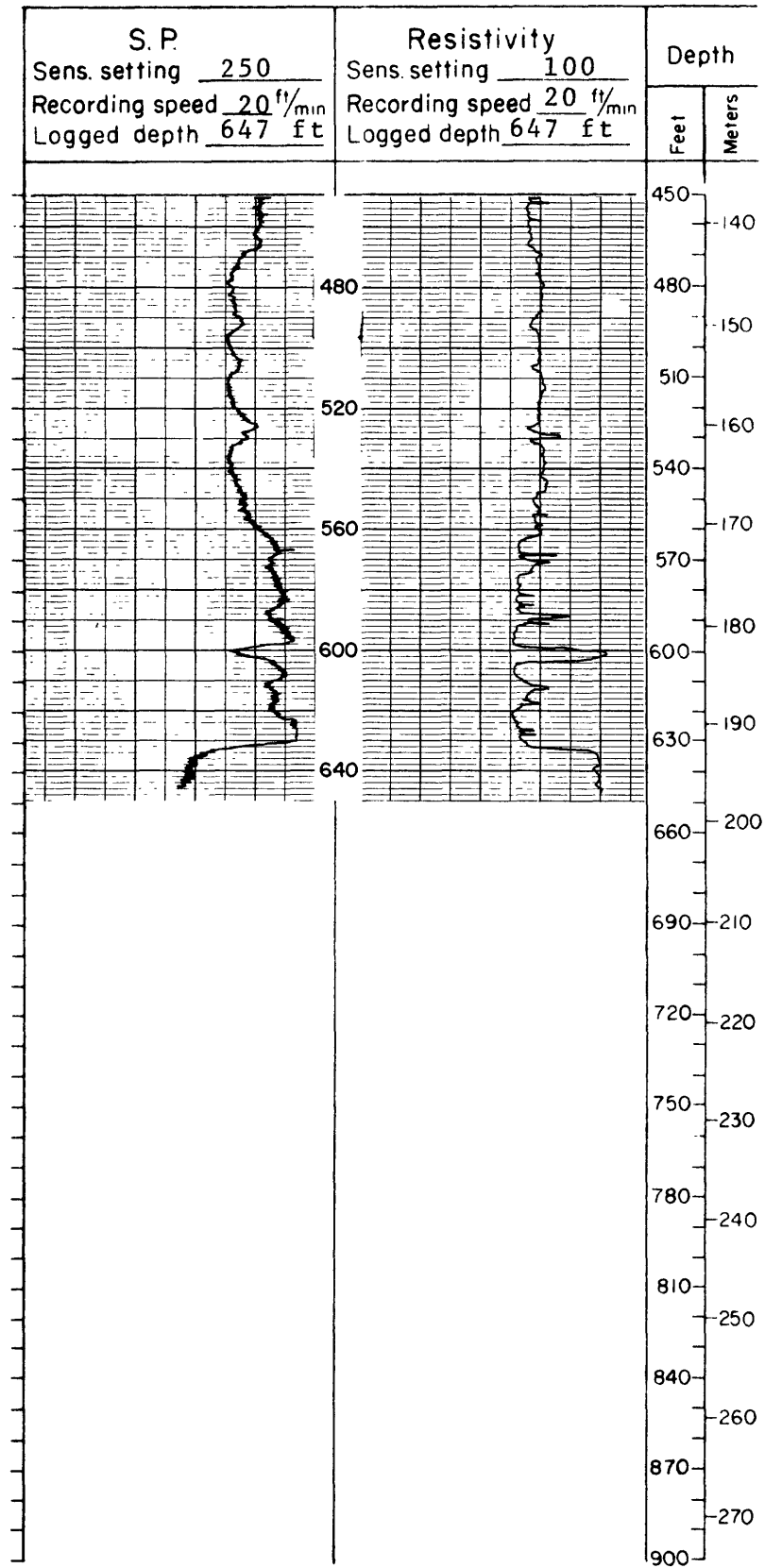
Hole number (continued)

US- 77247



Hole number (continued)

US-77247





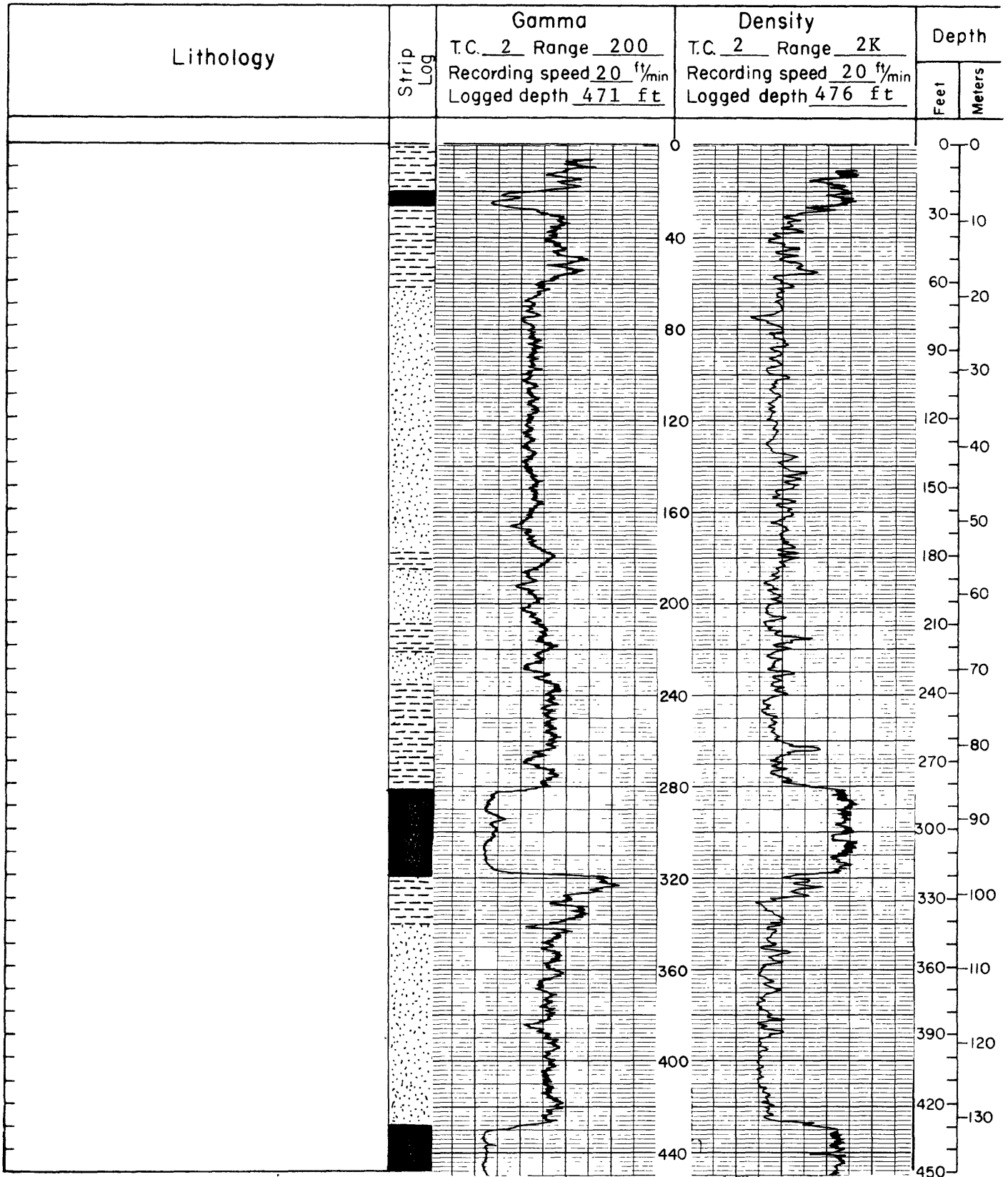
# Montana College of Mineral Science and Technology

Hole no: US-77248 Map: Recluse Date: 9/20/77 State: Wyoming County: Campbell  
 Elev.: 4156 ft Location: T. 54 N. 6 R. 73 W. Sec. 5, Tract CABB Drilled depth: 480 ft  
 Measured: 2530 ft ~~FSL~~ 1610 ft ~~FWL~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

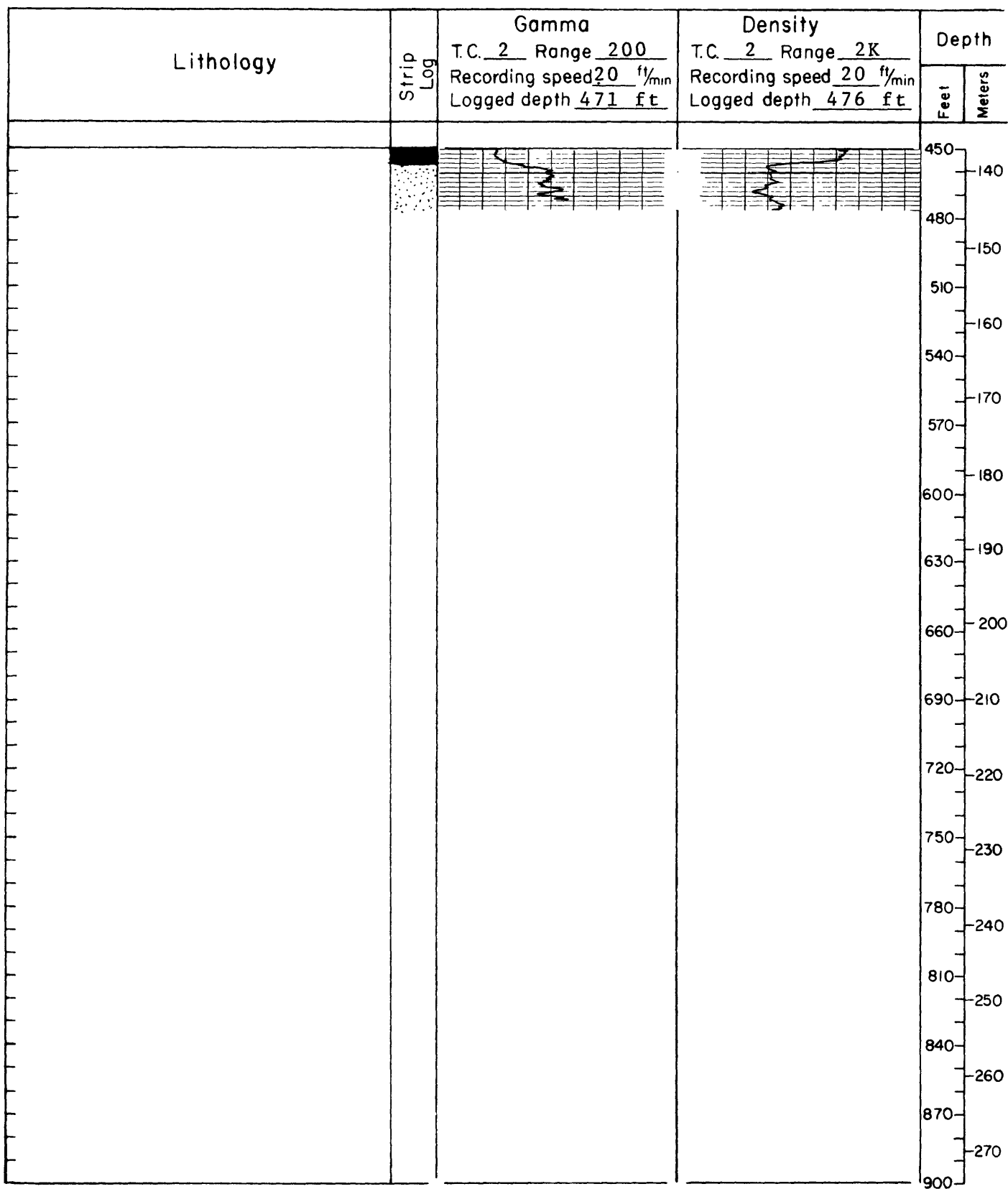
Recorded by: K. WILLIAMS

Geologist ~~Yes~~ No Recorded by: L. SAUER



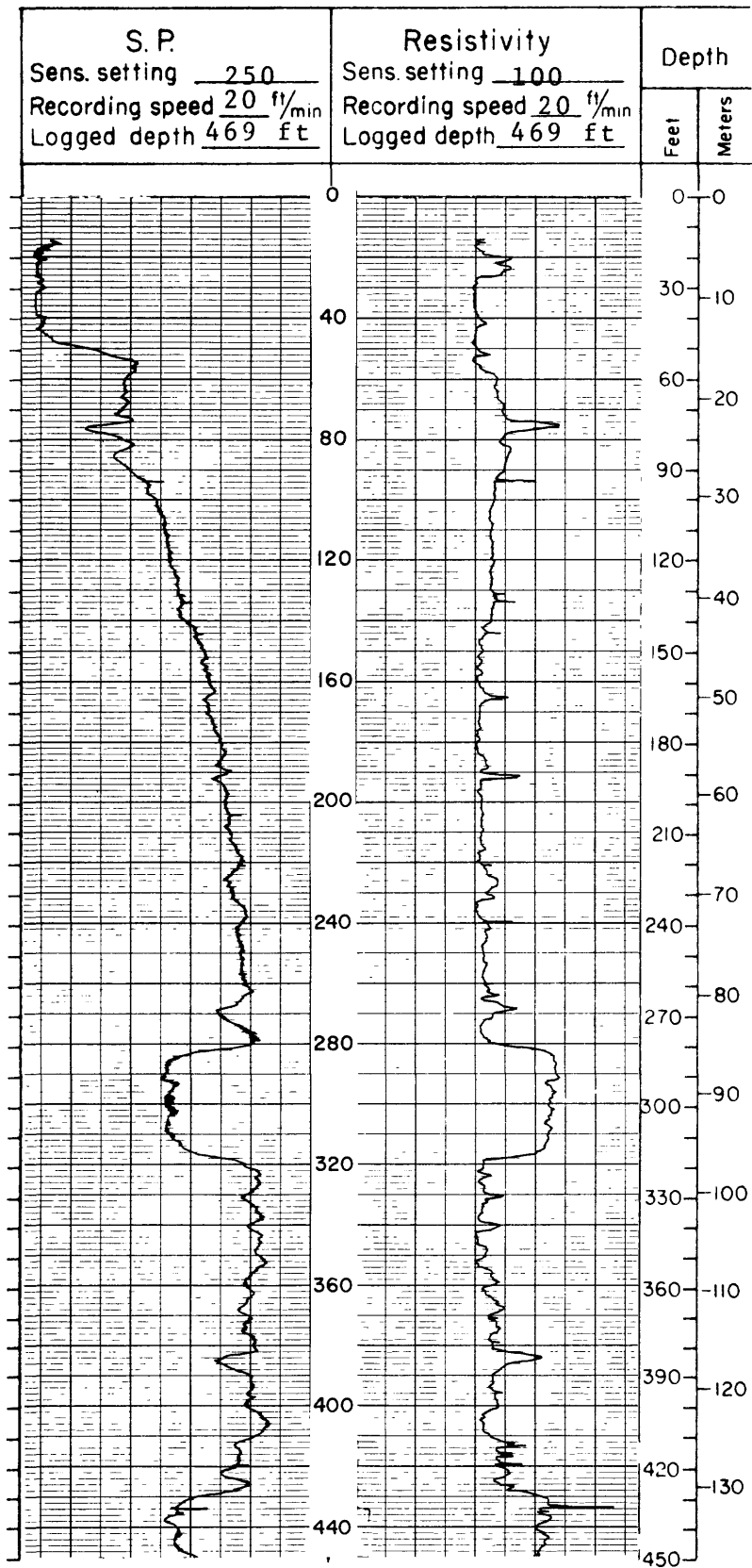
Hole number (continued)

US-77248



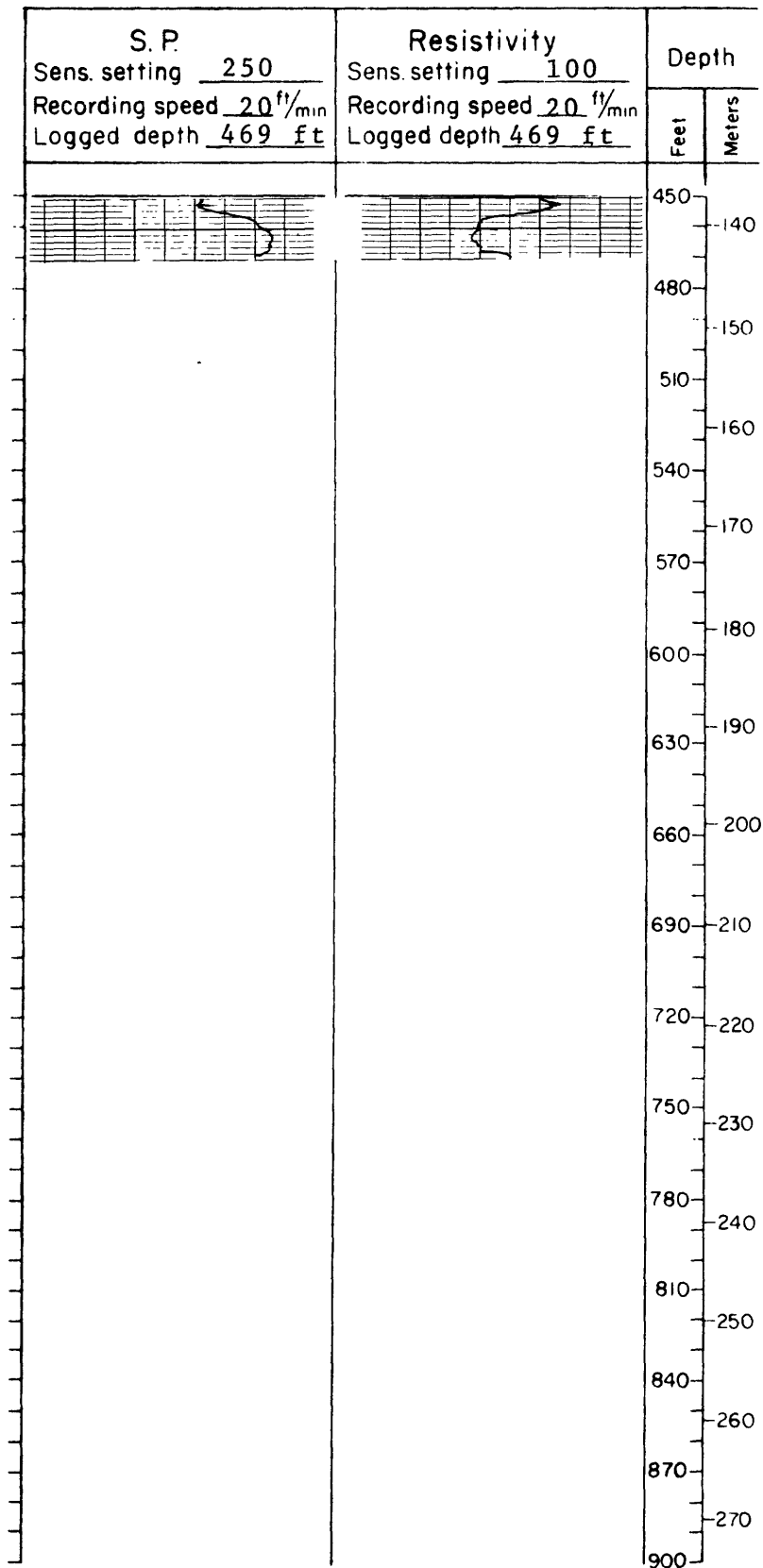
Hole number (continued)

US - 77248



Hole number (continued)

US - \_\_\_\_\_



**Montana College of Mineral Science and Technology**

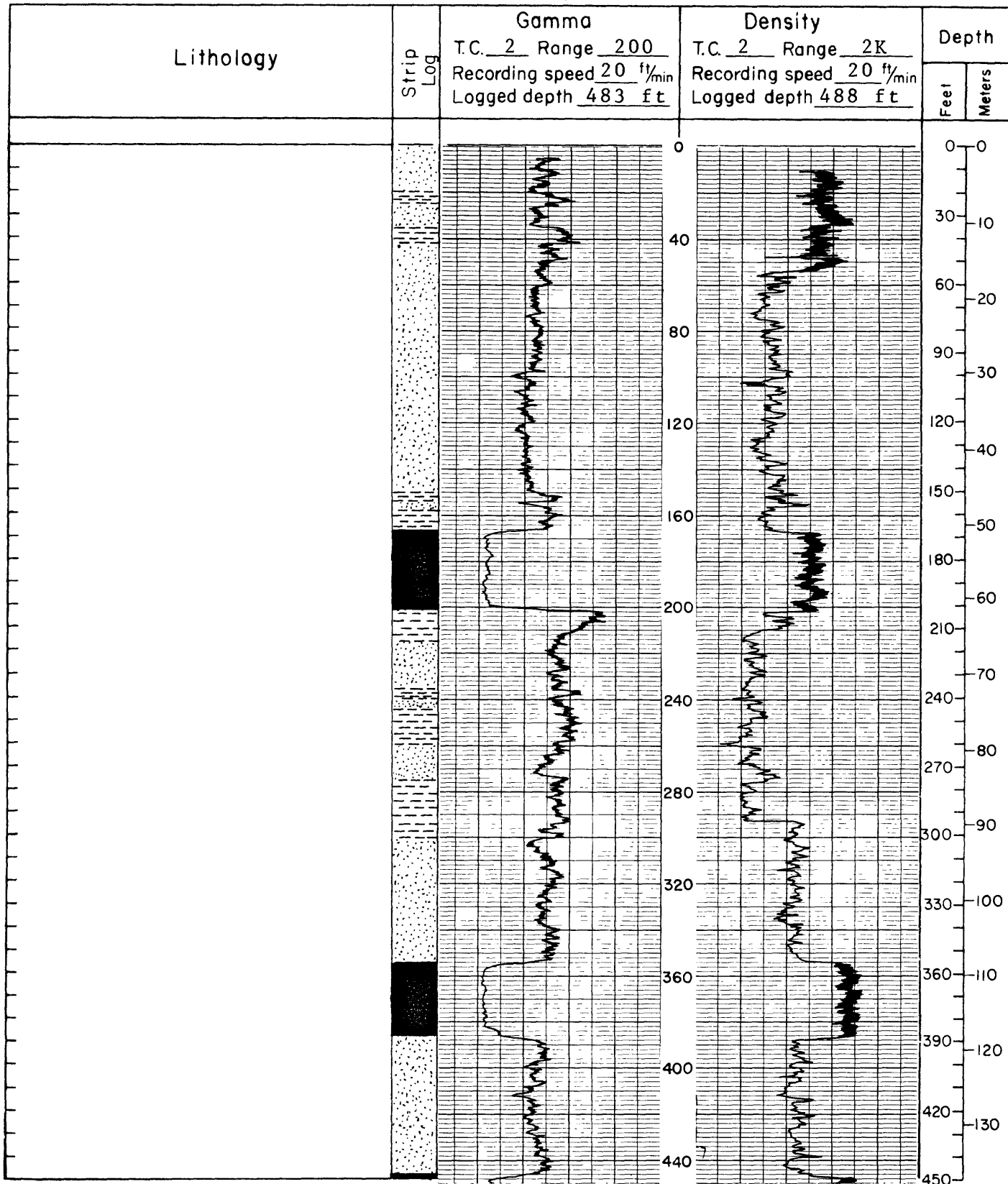
Hole no US-77249 Map: Recluse Date: 9/22/77 State: Wyoming County: Campbell  
 Elev.: 4129 ft Location: T. 55 N., R. 73 W., Sec. 33, Tract Irreg. Sec. Drilled depth: 490 ft  
 Measured: 900 ft ~~RML~~ FSL 2560 ft ~~FWL~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

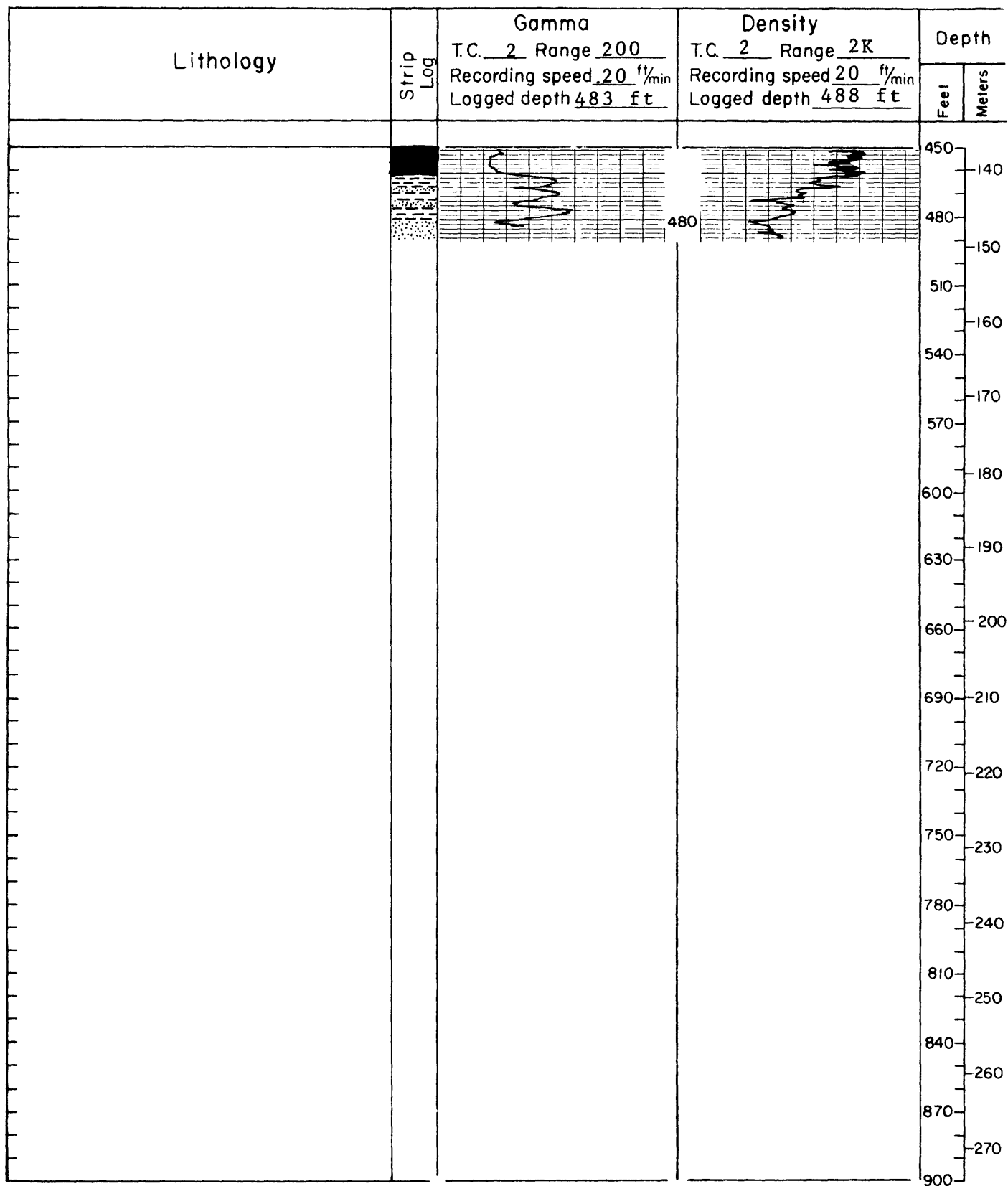
Geologist ~~WKS~~ No

Recorded by: L. SAUER



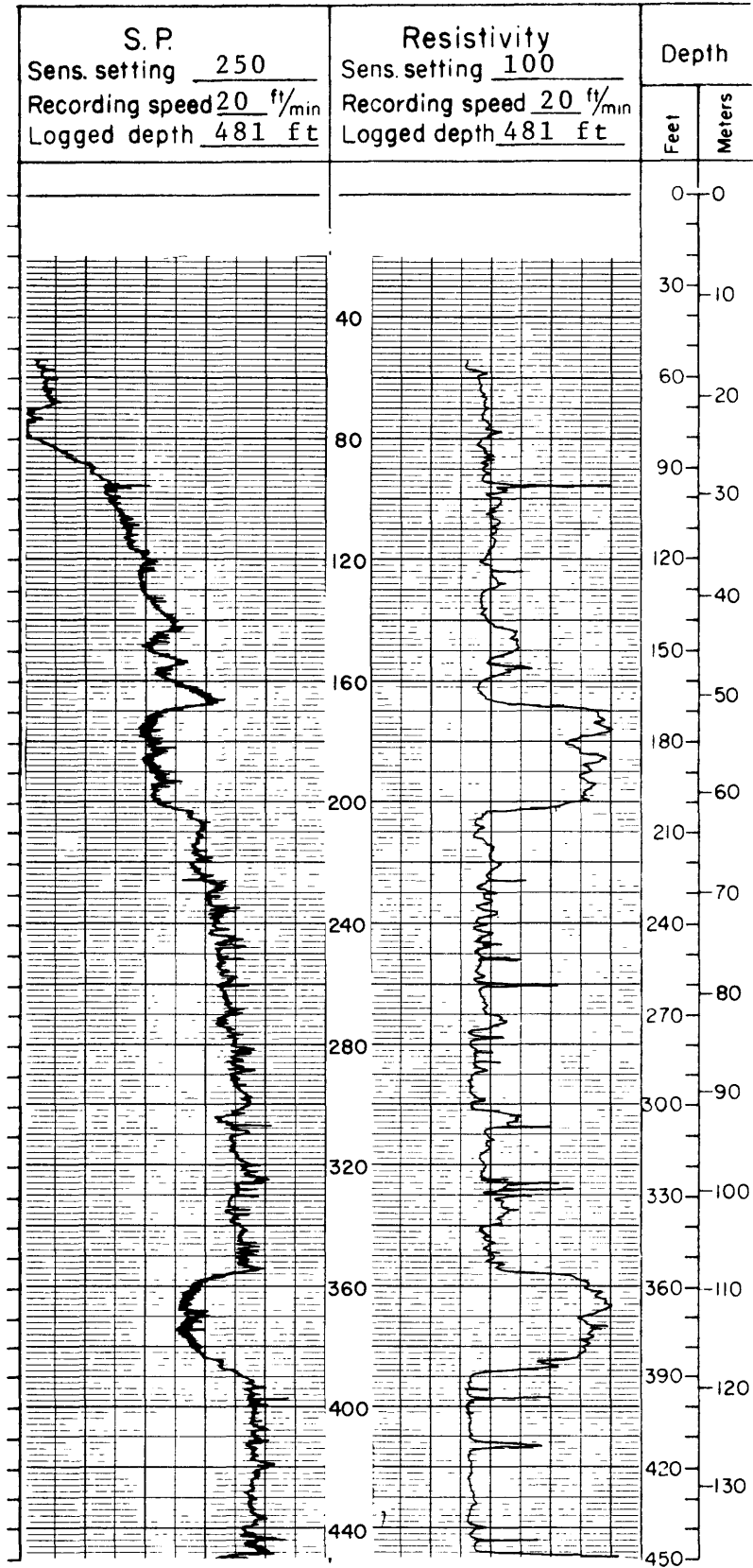
Hole number (continued)

US - 77249



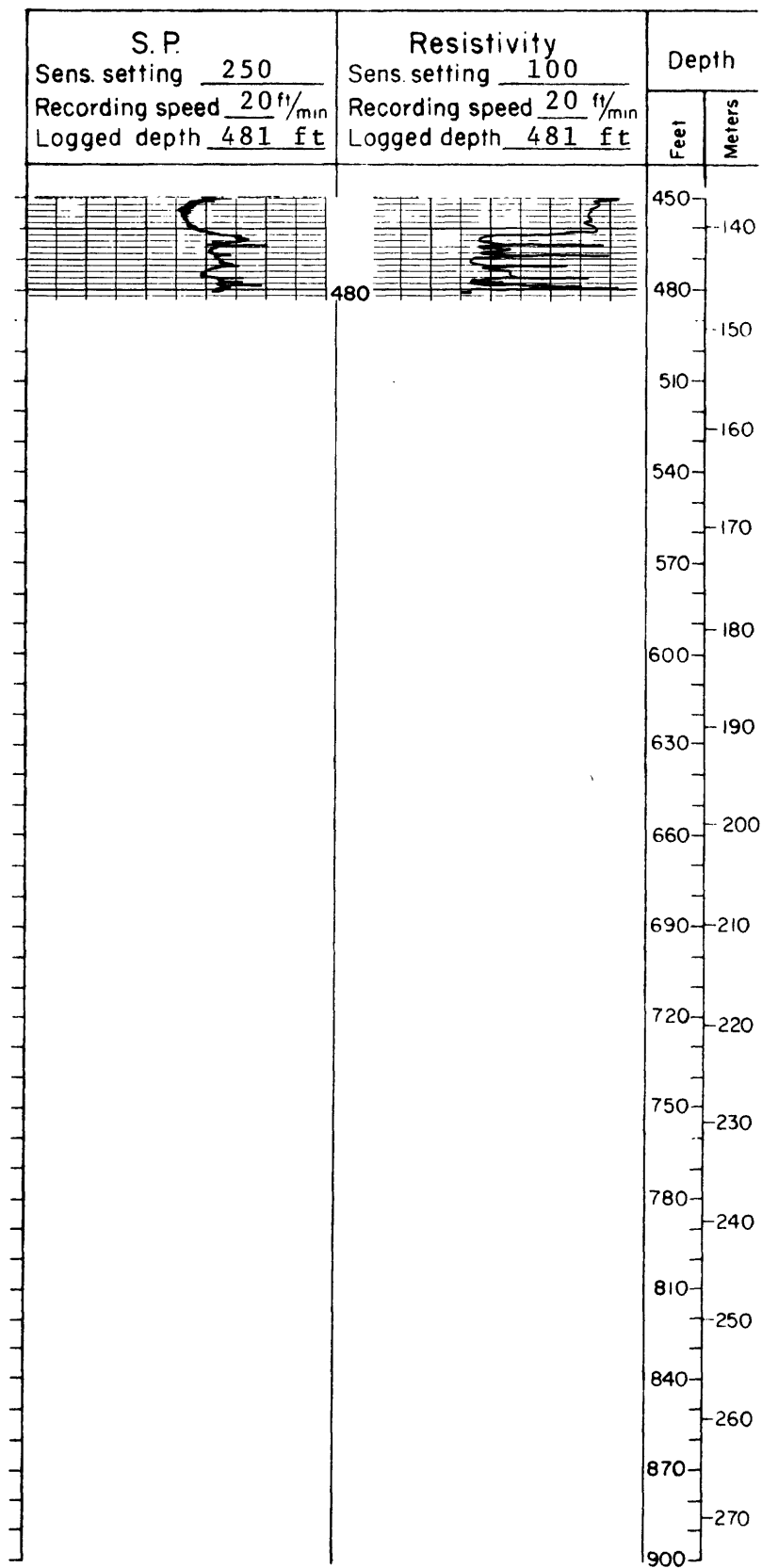
Hole number (continued)

US - 77249



Hole number (continued)

US - 77249





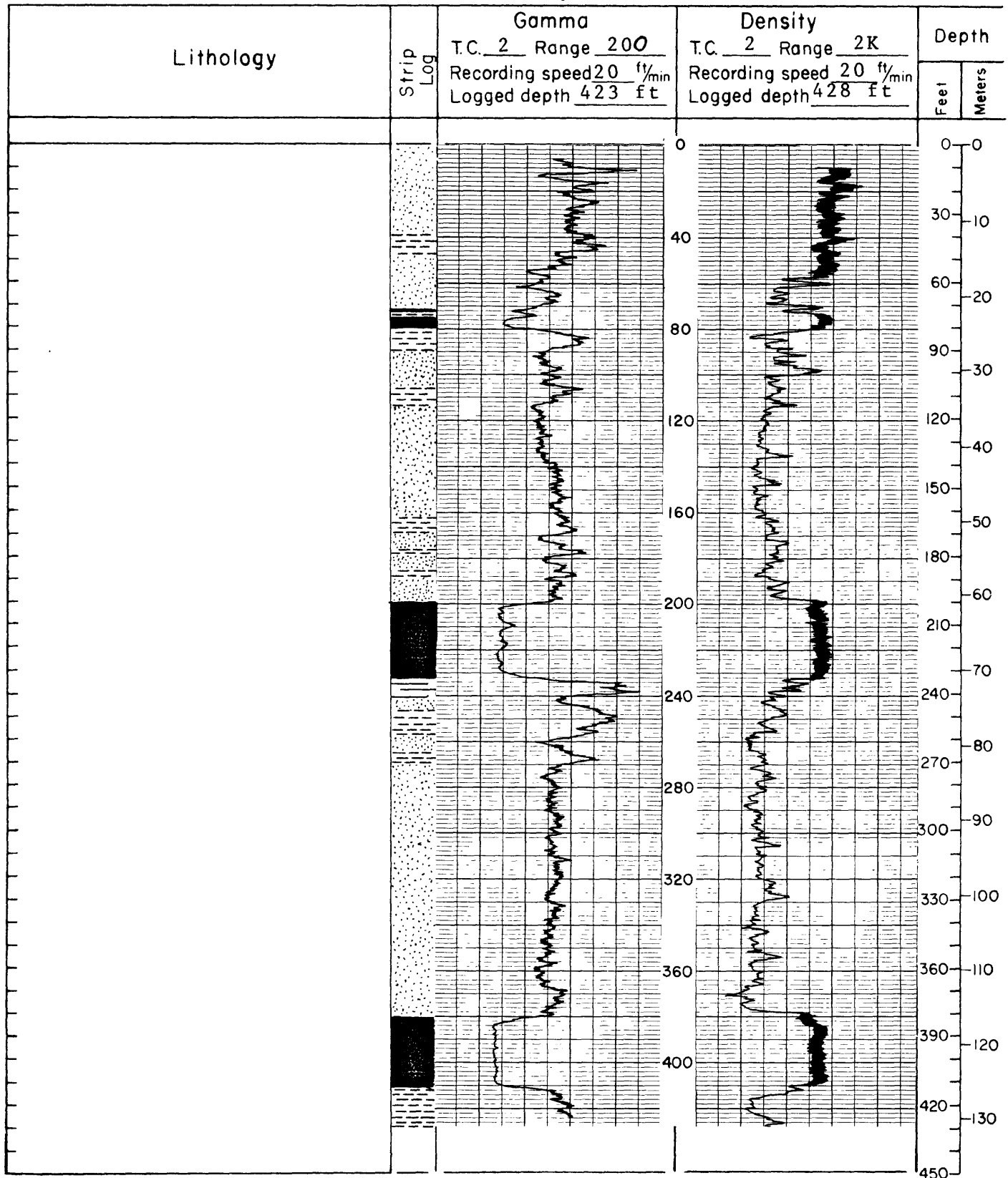
**Montana College of Mineral Science and Technology**

Hole no: US-77250 Map Recluse Date 9/22/77 State Wyoming County: Campbell  
 Elev: 4128 ft Location: T. 55 N, R. 73 E, Sec. 17, Tract CDCA Drilled depth: 430 ft  
 Measured: 650 ft <sup>FWL</sup> 1870 ft <sup>FWL</sup> Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

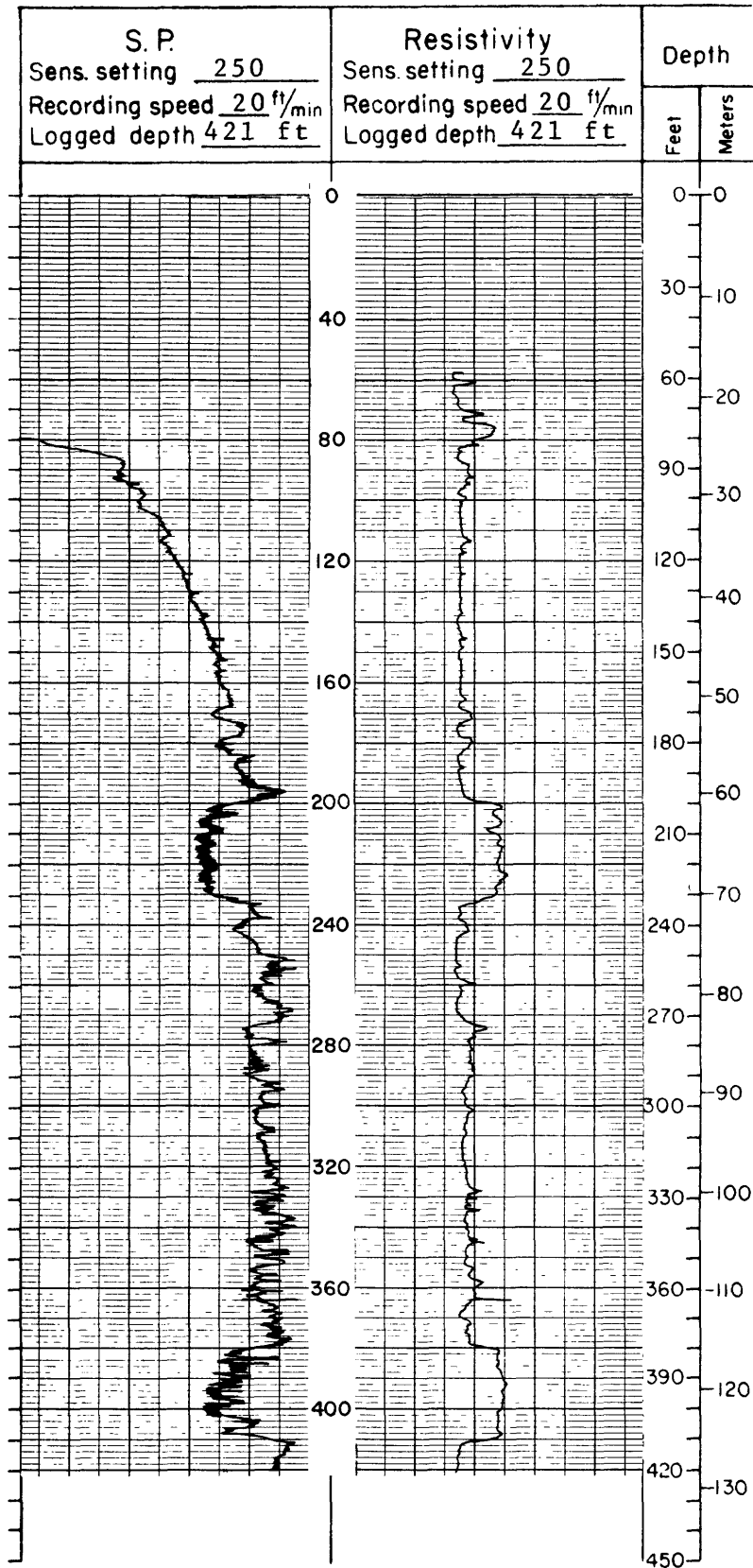
Recorded by: K. WILLIAMS

Geologist <sup>WKS</sup> No \_\_\_\_\_ Recorded by: L. SAUER



# Hole number (continued)

US-77250



# Montana College of Mineral Science and Technology

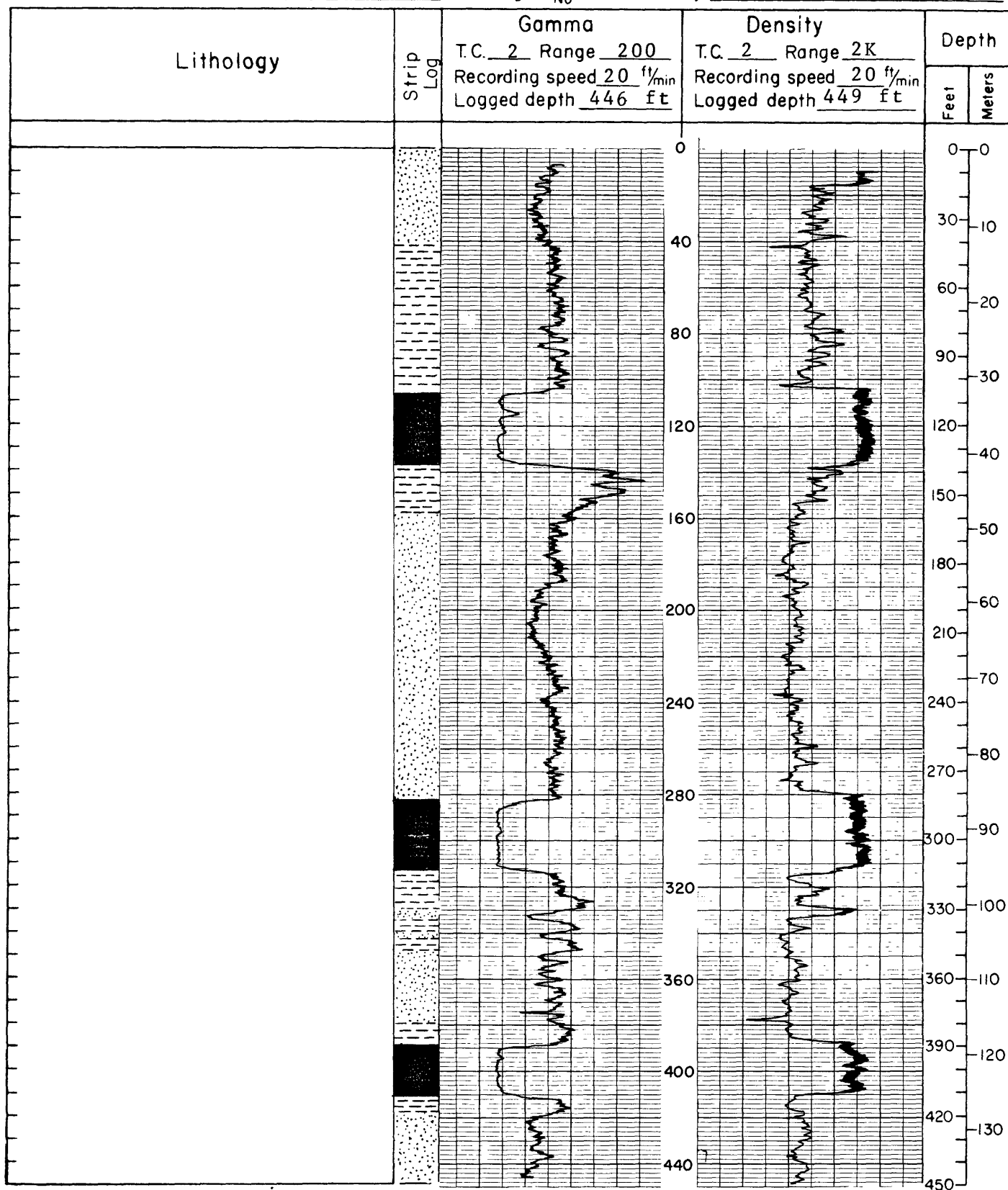
Hole no US-77251 Map: Recluse Date 9/21/77 State Wyoming County: Campbell  
 Elev. 4054 ft Location: T. 55 N., R. 73 W., Sec. 17, Tract BBDA Drilled depth: 450 ft  
 Measured: 800 ft <sup>FNL</sup> 521 ft <sup>K&X</sup> 1300 ft <sup>FWL</sup> Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

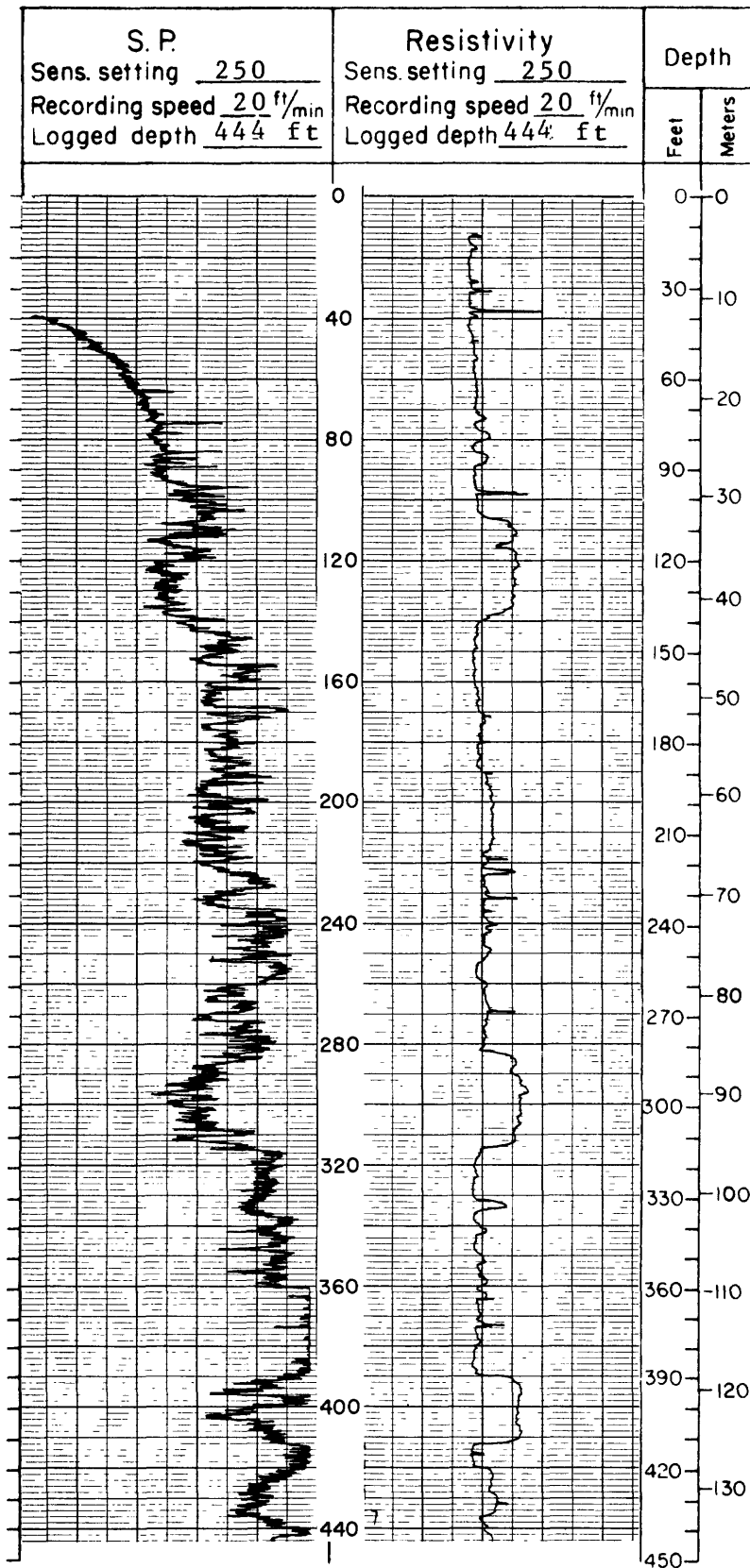
Geologist <sup>K&X</sup> No

Recorded by: L. SAUER



Hole number (continued)

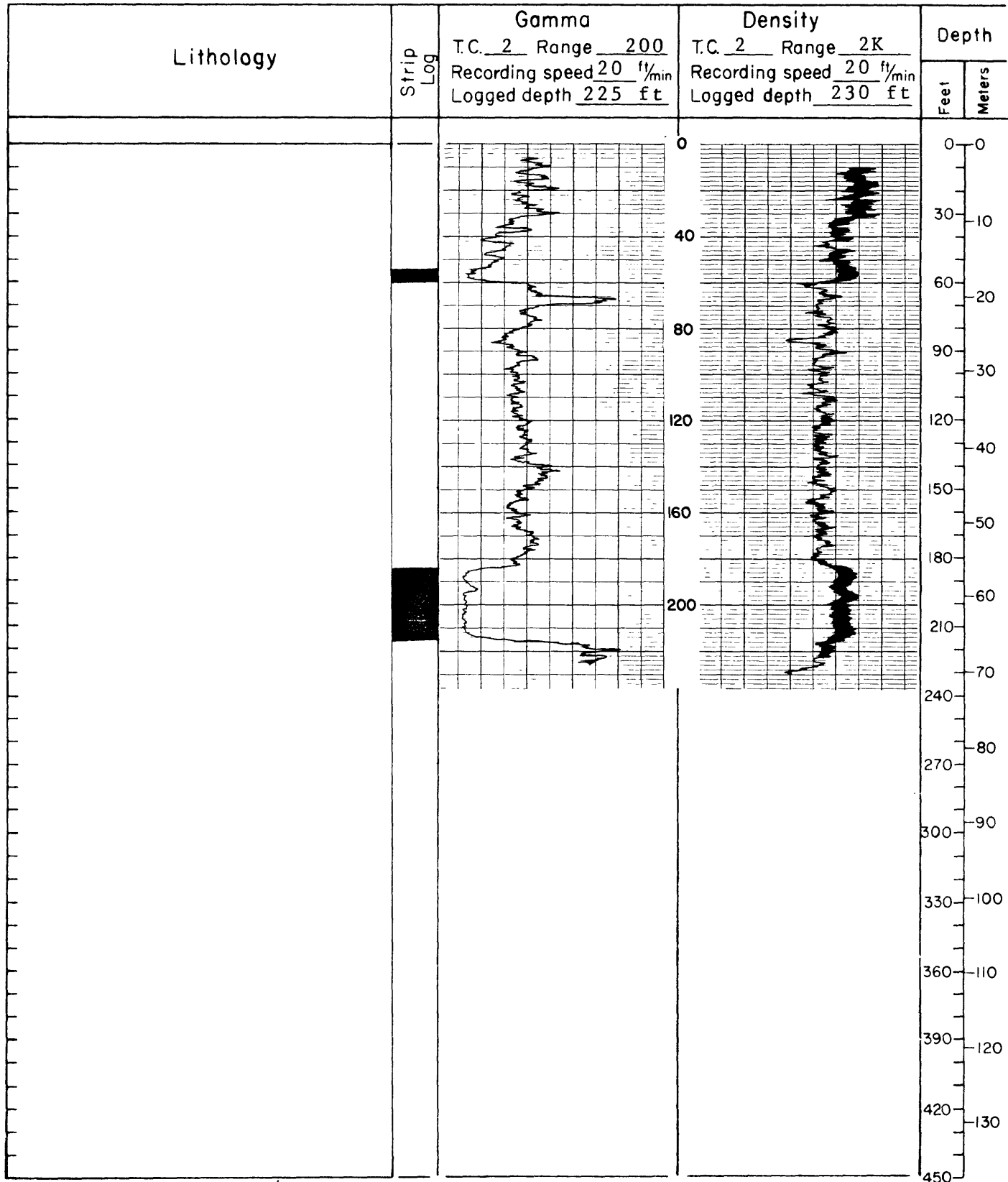
US- 77251



**Montana College of Mineral Science and Technology**

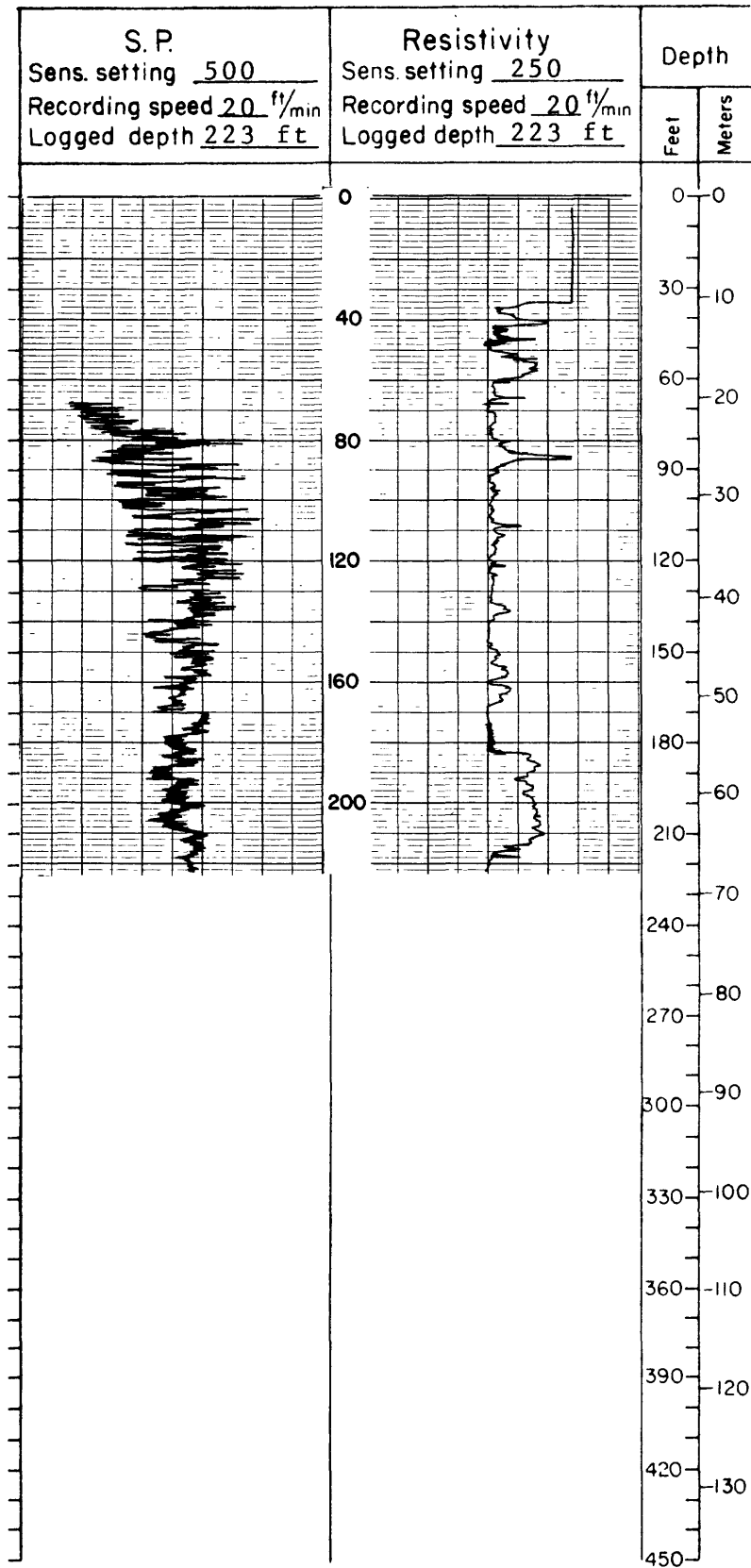
Hole no: US-77252 Map Homestead Draw S W Date 9/23/77 State: Wyoming County: Campbell  
 Elev.: 4123 ft Location: T. 55 N., R. 73 W., Sec. 8, Tract ABBD Drilled depth: 230 ft  
 Measured: 400 ft <sup>FNL</sup>~~XXX~~ 2050 ft <sup>FEL</sup>~~FWK~~ Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_  
 Recorded by: K. WILLIAMS Geologist <sup>XXX</sup>~~No~~ Recorded by: L. SAUER



Hole number (continued)

US- 77252



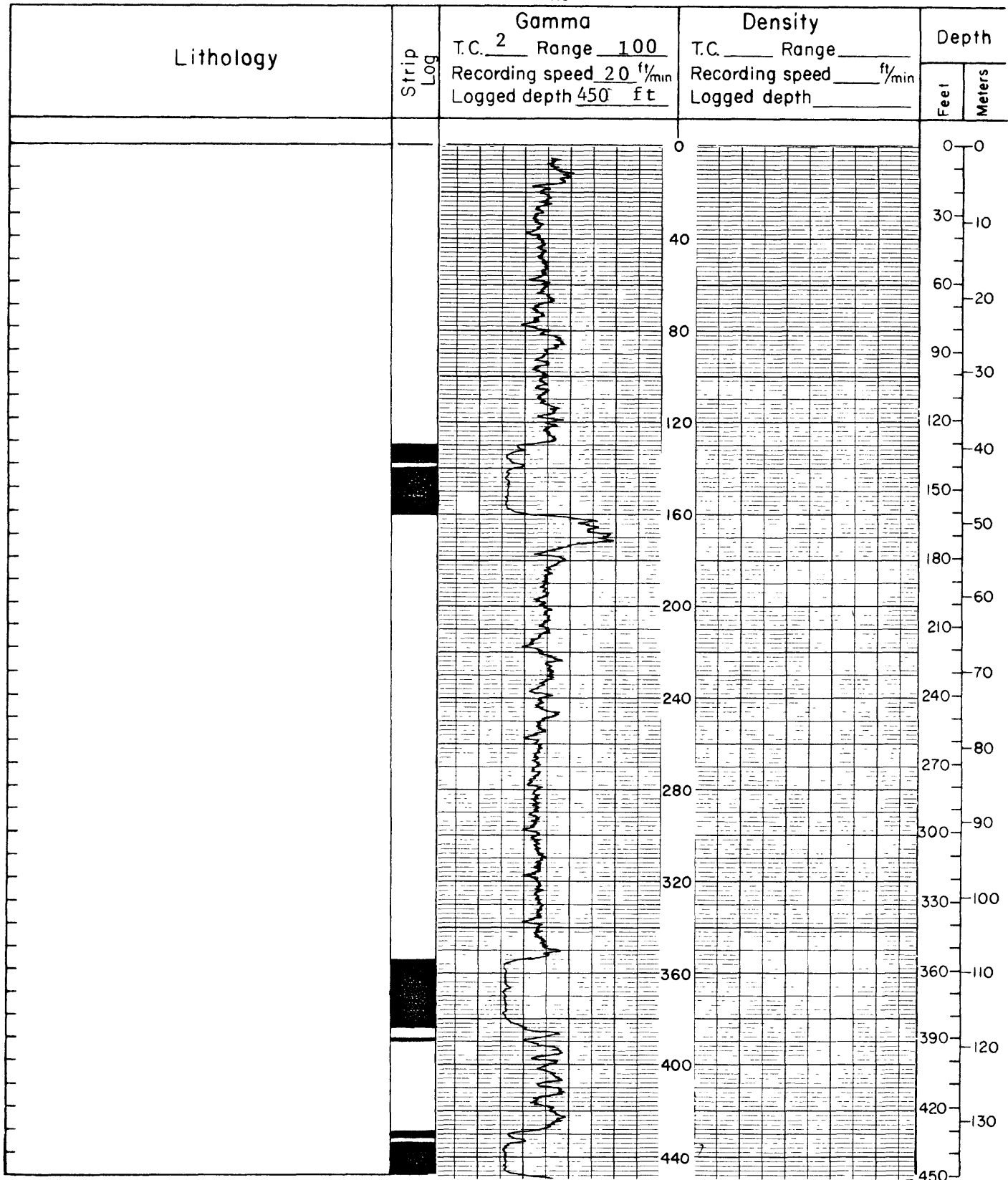
# Montana College of Mineral Science and Technology

Hole no US-77253 Map Homestead Draw SW Date 9/24/77 State Wyoming County Campbell  
 Elev. 4067 ft Location: T. 55 N. R. 73 W. Sec. 5, Tract Irreg. Sec. Drilled depth: 470 ft  
 Measured 2130 ft <sup>FNL</sup> ~~RSL~~ 2150 ft <sup>FEL</sup> ~~KWL~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist <sup>Yes</sup> ~~No~~ Recorded by: L. SAUER



# Montana College of Mineral Science and Technology

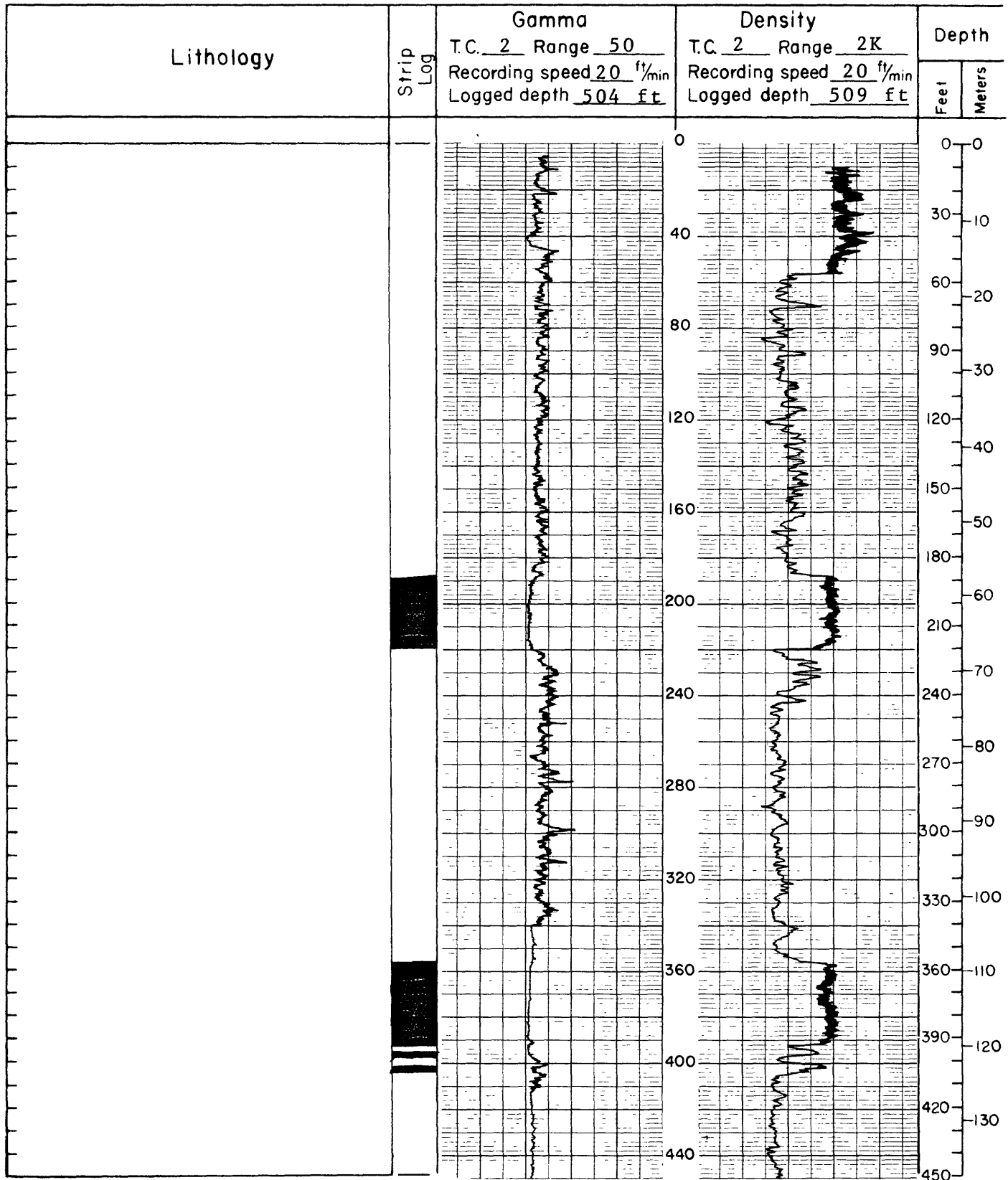
Hole no: US-77254 Map: Homestead Draw SW Date: 9/24/77 State: Wyoming County: Campbell  
 Elev: 4104 ft Location: T. 56 N. R. 73 W. Sec. 31, Tract DDAD Drilled depth: 520 ft  
 Measured: 900 ft ~~FSL~~ 270 ft ~~FEL~~ ~~FW~~ Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist ~~Yes~~ No

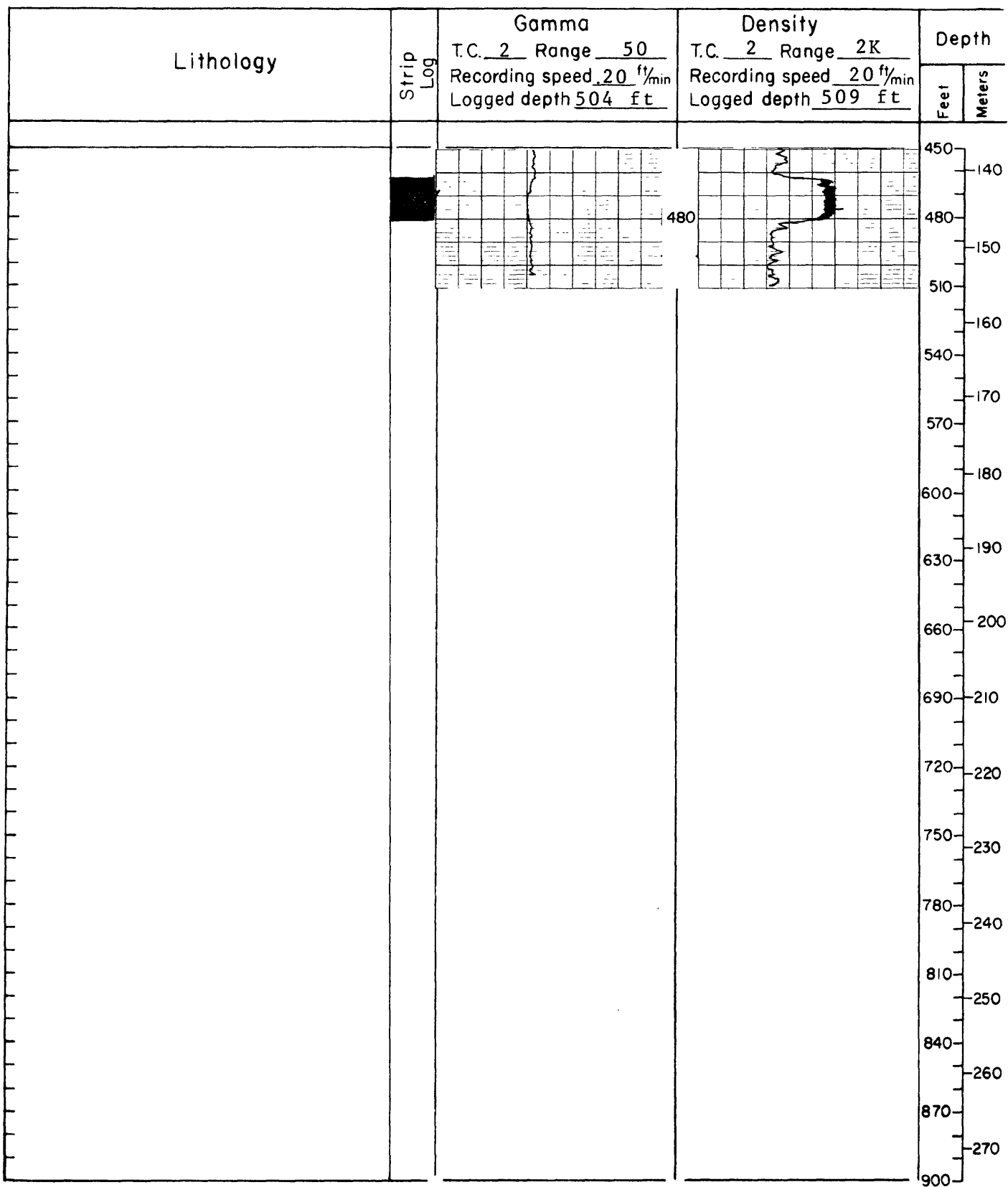
Recorded by: L. SAUER





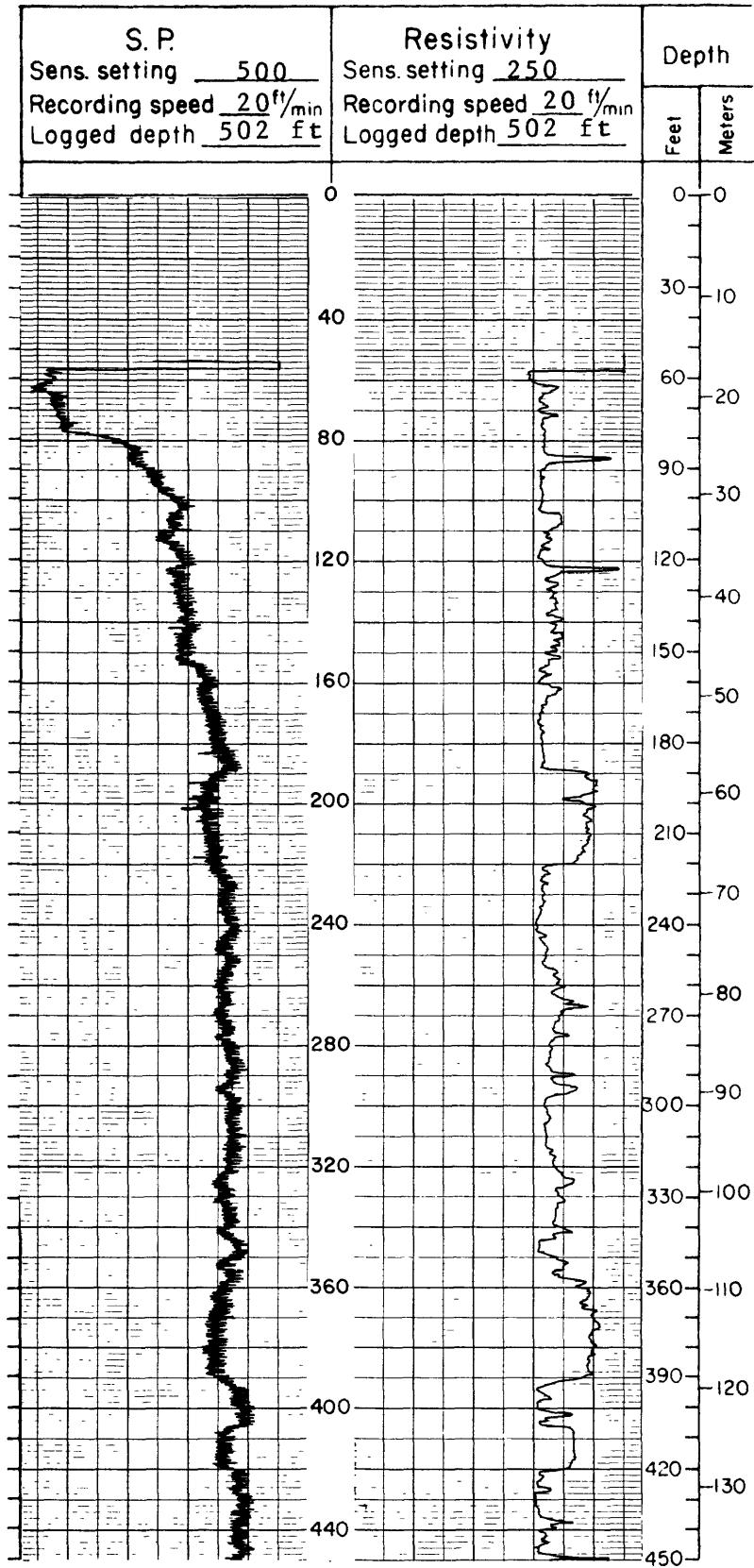
Hole number (continued)

US- 77254



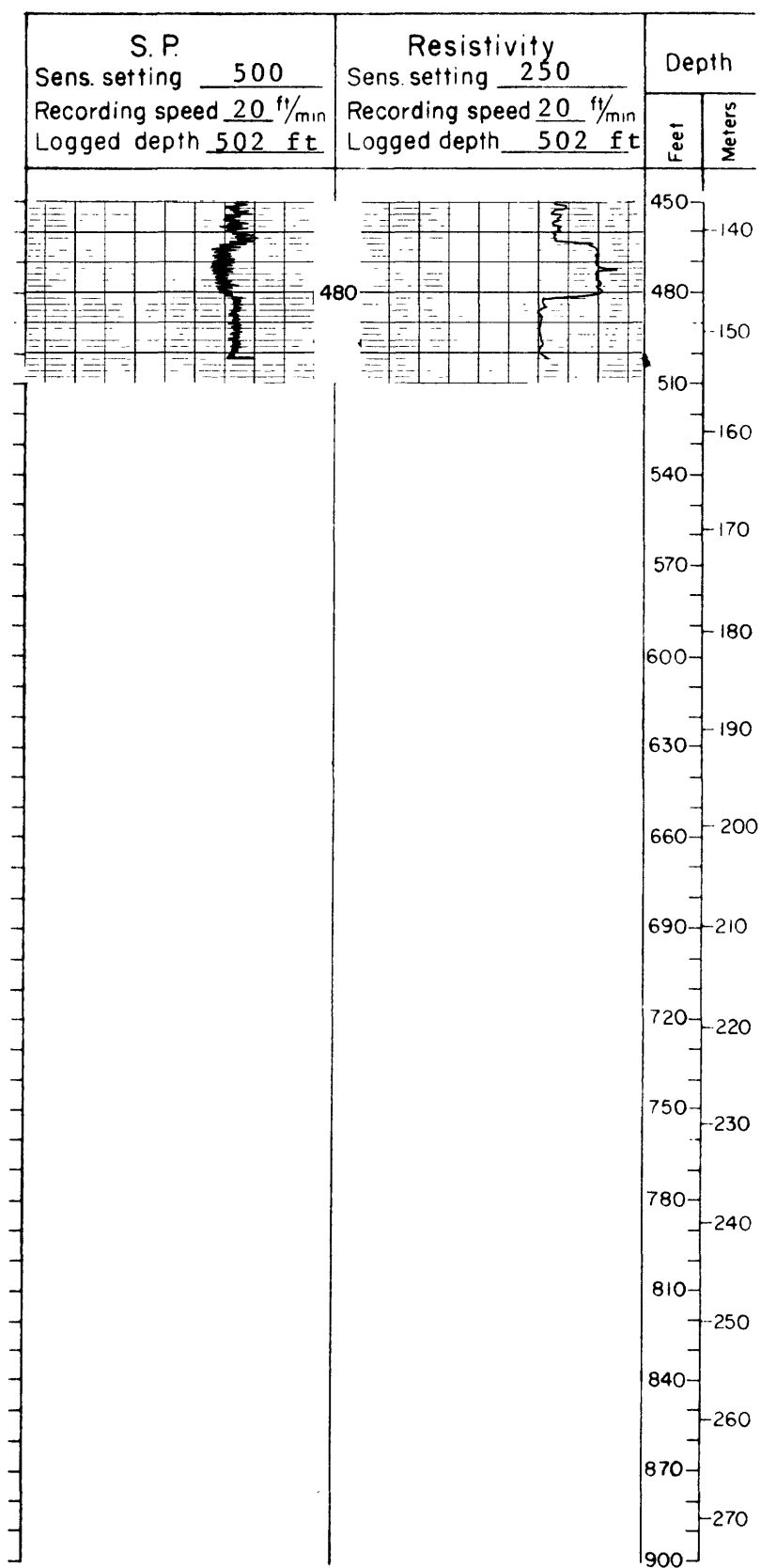
Hole number (continued)

US- 77254



Hole number (continued)

US - 77254



# Montana College of Mineral Science and Technology

Hole no: US-77255 Map Homestead Draw SW Date: 9/24/ 77 State: Wyoming County: Campbell

Elev.: 4118 ft Location: T. 56 N., R. 73 E., Sec. 32, Tract ADDC Drilled depth: 490 ft

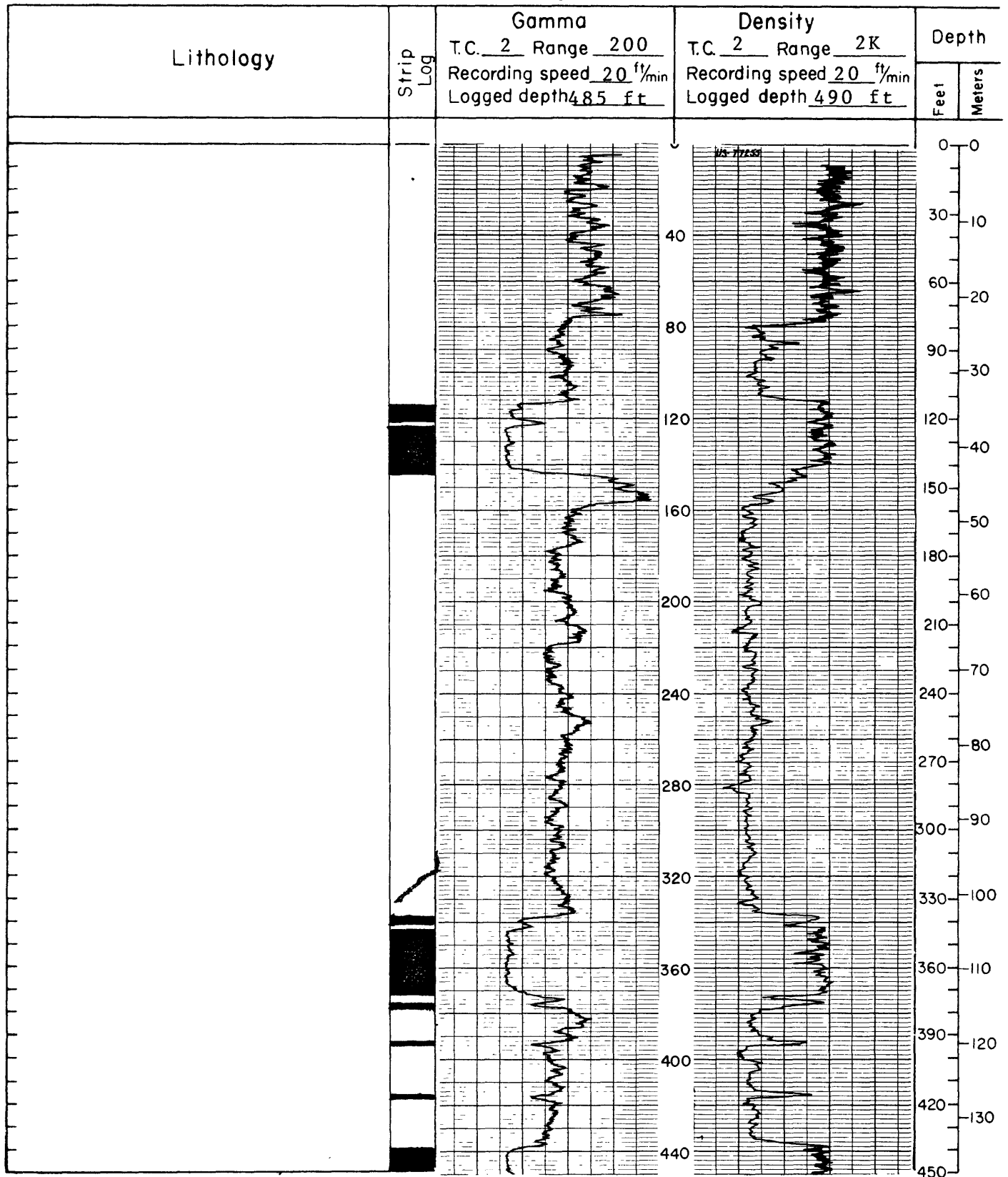
Measured 2600 ft ~~FNL~~ 600 ft ~~FEL~~ ~~FWL~~ Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

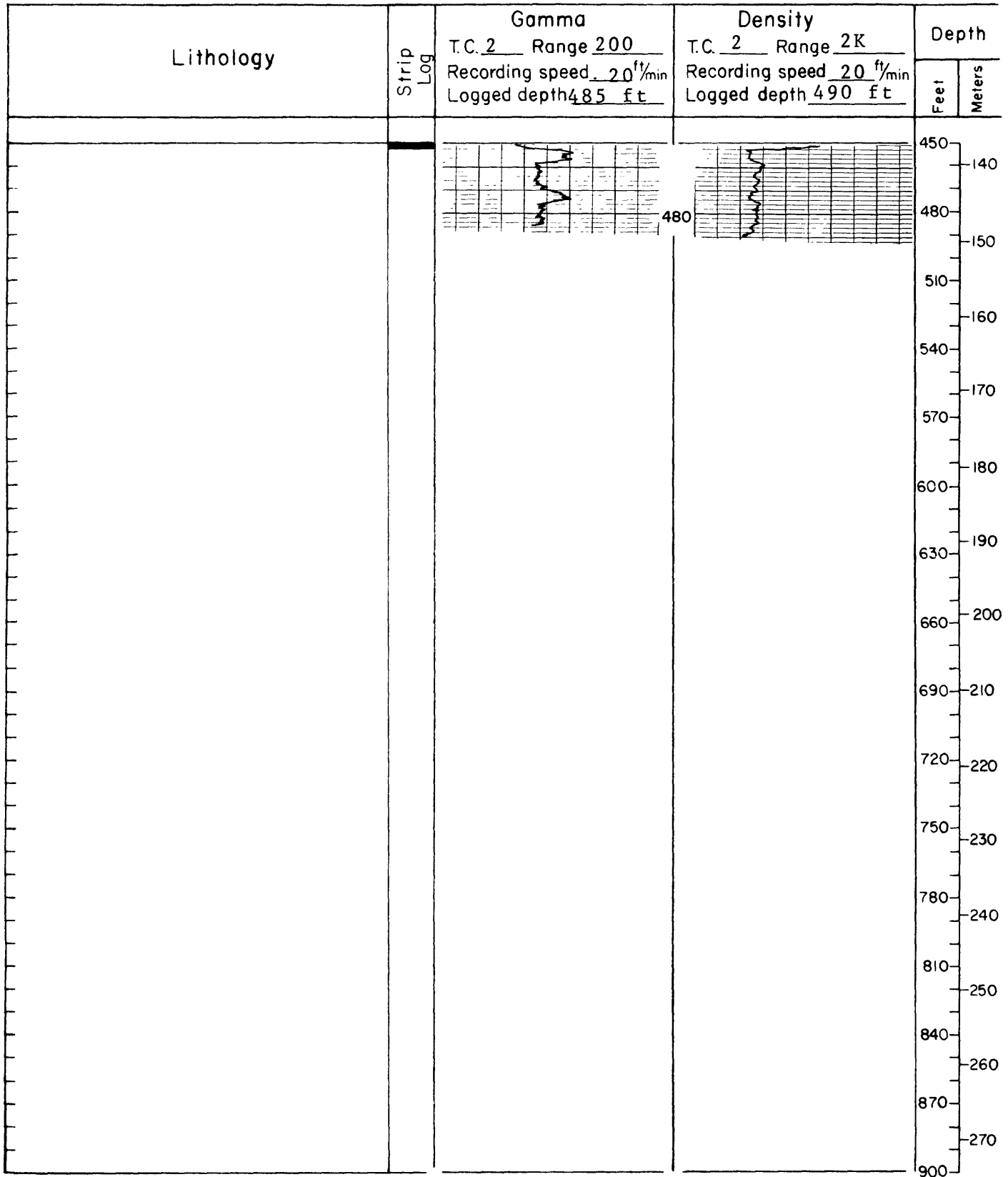
Geologist ~~Yes~~ ~~No~~

Recorded by: L. SAUER



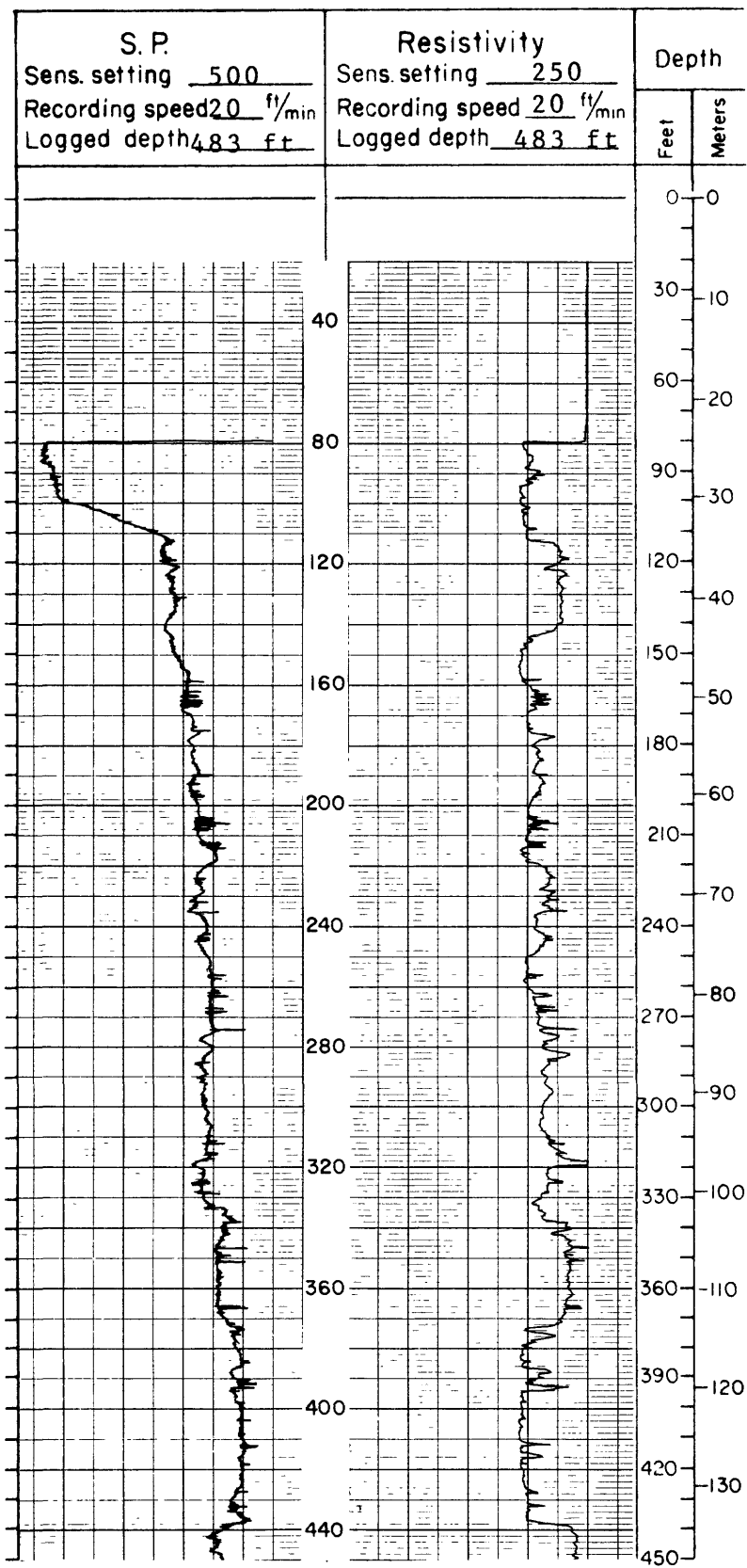
Hole number (continued)

US- 77255



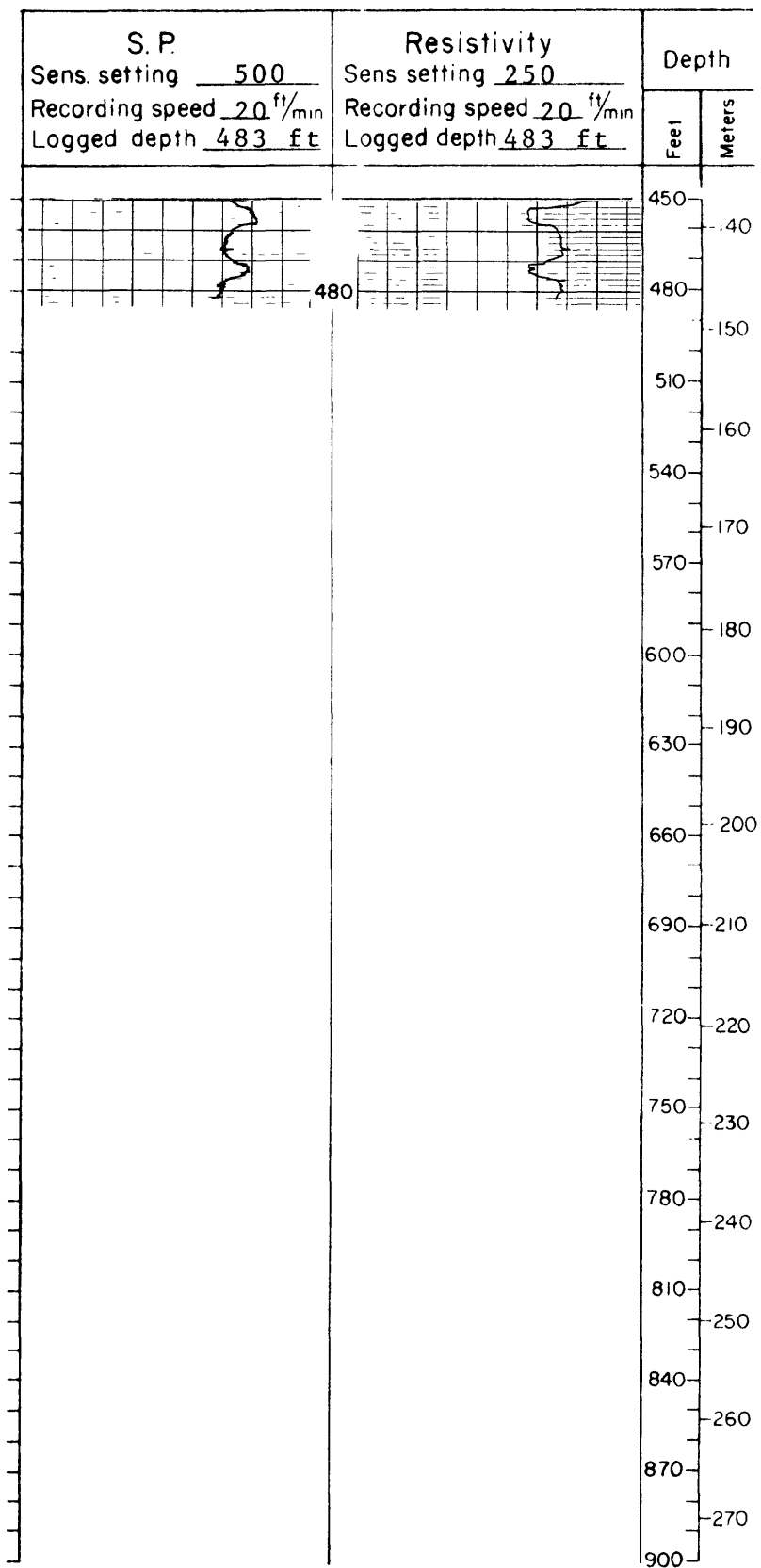
Hole number (continued)

US - 77255



# Hole number (continued)

US-77255



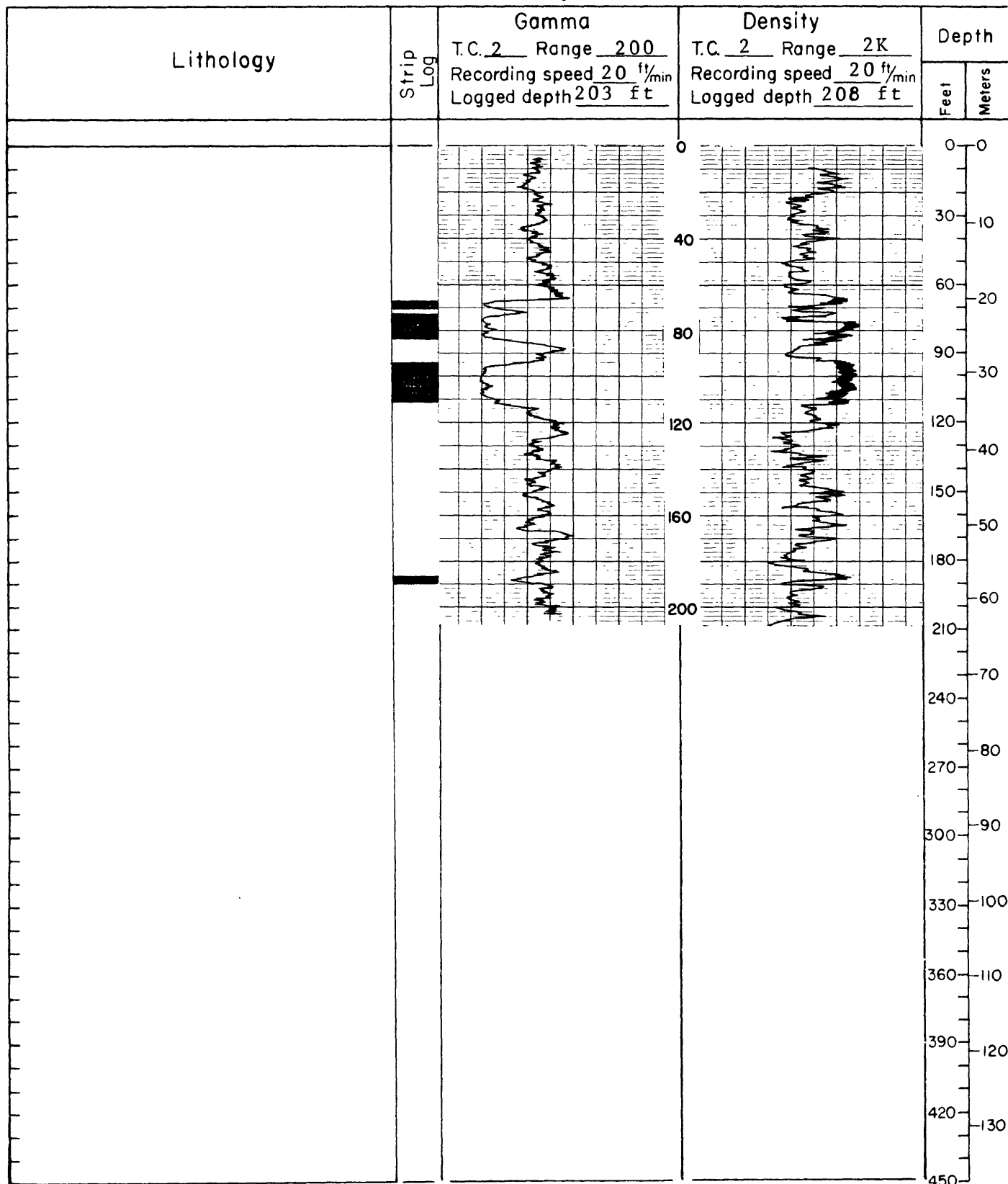
# Montana College of Mineral Science and Technology

Hole no: US-77256 Map: White Tail Butte Date 9/25/77 State: Wyoming County: Campbell  
 Elev. 4014 ft Location: T. 56 N. R. 73 E. Sec. 13, Tract ACDC Drilled depth: 210 ft  
 Measured: 2420 ft ~~FSL~~ <sup>FWL</sup> 1950 ft ~~FSL~~ <sup>FWL</sup> Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

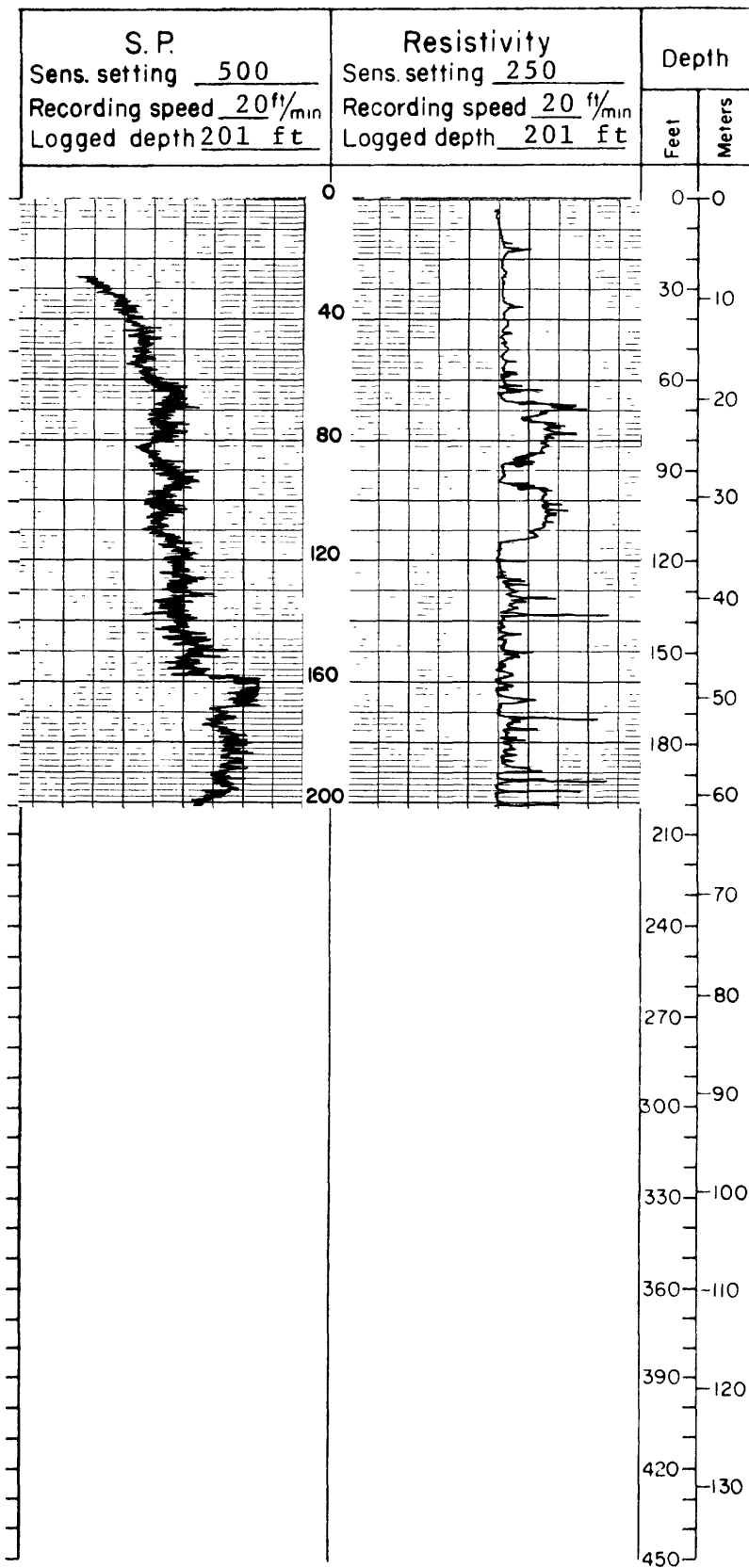
Geologist ~~XXXX~~ No Recorded by: L. SAUER





# Hole number (continued)

US - 77256



# Montana College of Mineral Science and Technology

Hole no US-77257 Map White Tail Butte Date 9/25/77 State Wyoming County Campbell

Elev.: 4146 ft Location: T. 56 N, R. 73 W, Sec. 24, Tract BBBD Drilled depth: 430 ft

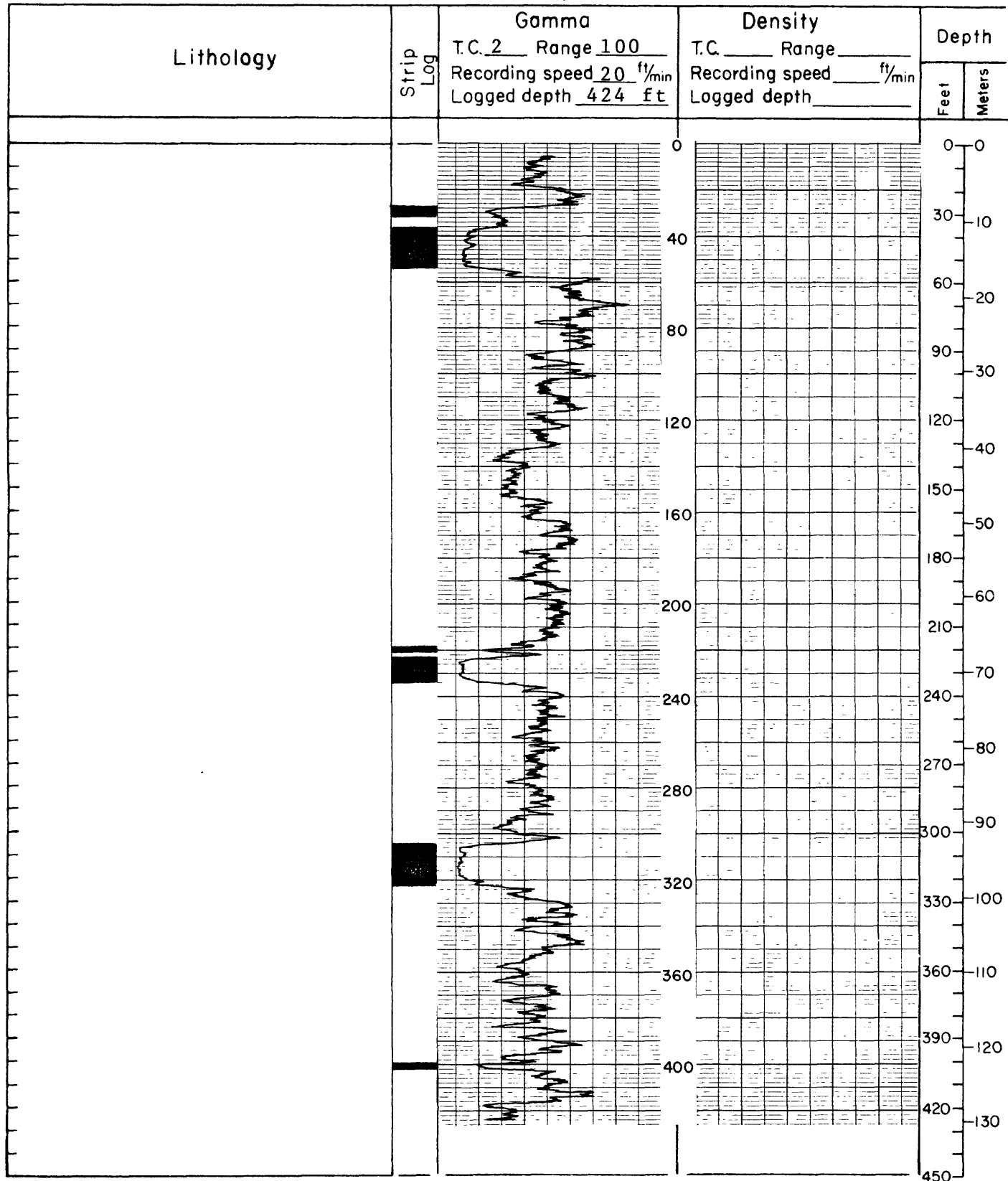
Measured: 475 ft <sup>FNL</sup> ~~450 ft~~ <sup>FWL</sup> ~~450 ft~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist <sup>xxx</sup> No

Recorded by: L. SAUER



# Montana College of Mineral Science and Technology

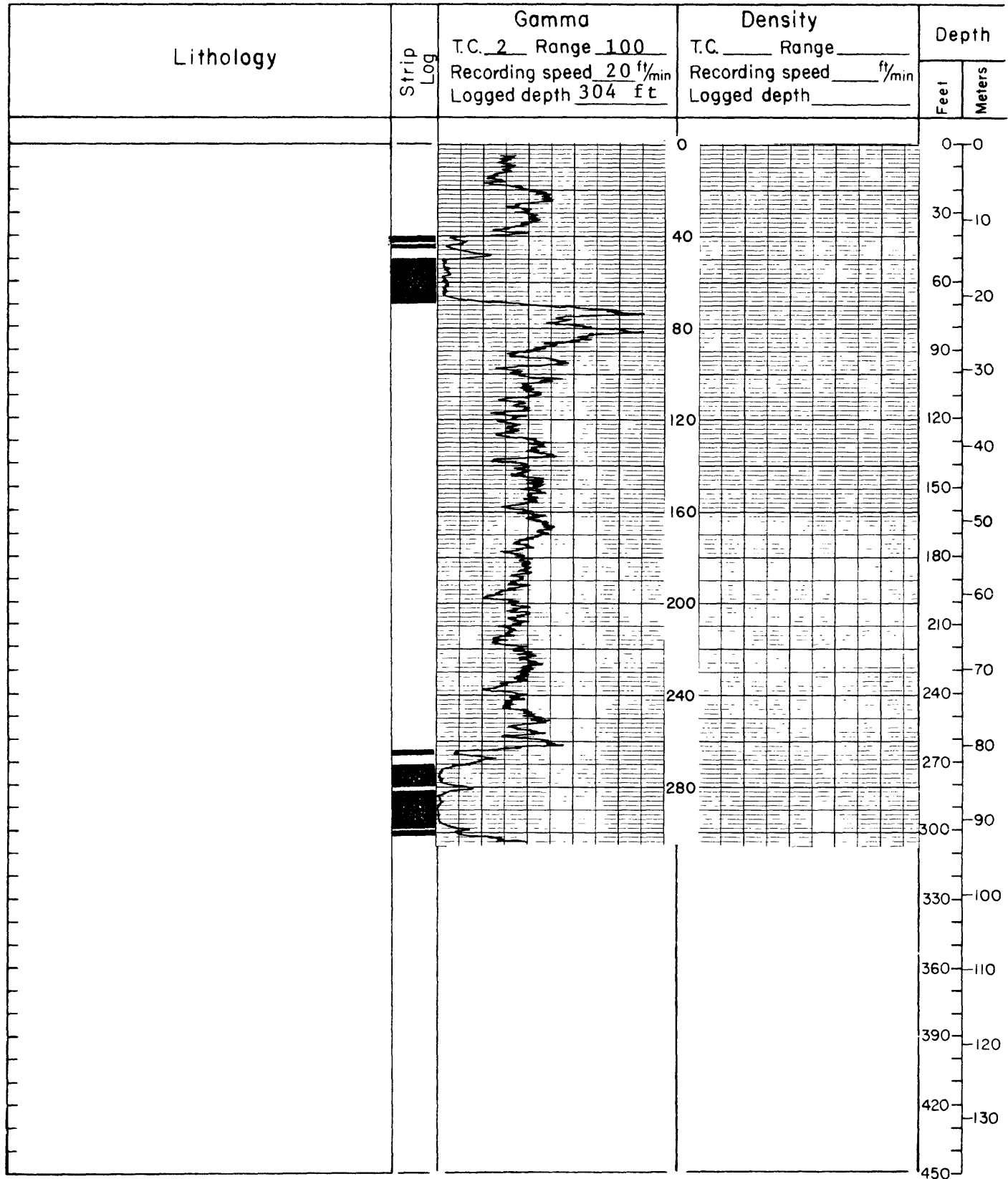
Hole no: US-77258 Map Homestead Draw SW Date 9/26/77 State: Wyoming County: Campbell  
 Elev.: 4058 ft Location: T. 56 <sup>N.</sup> <sub>S.</sub>, R. 73 <sup>E.</sup> <sub>W.</sub>, Sec. 22, Tract CBBD Drilled depth: 310 ft  
 Measured: 2180 ft <sup>FSL</sup> 350 ft <sup>FWL</sup> Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist <sup>WGS</sup> <sub>No</sub>

Recorded by: L. SAUER



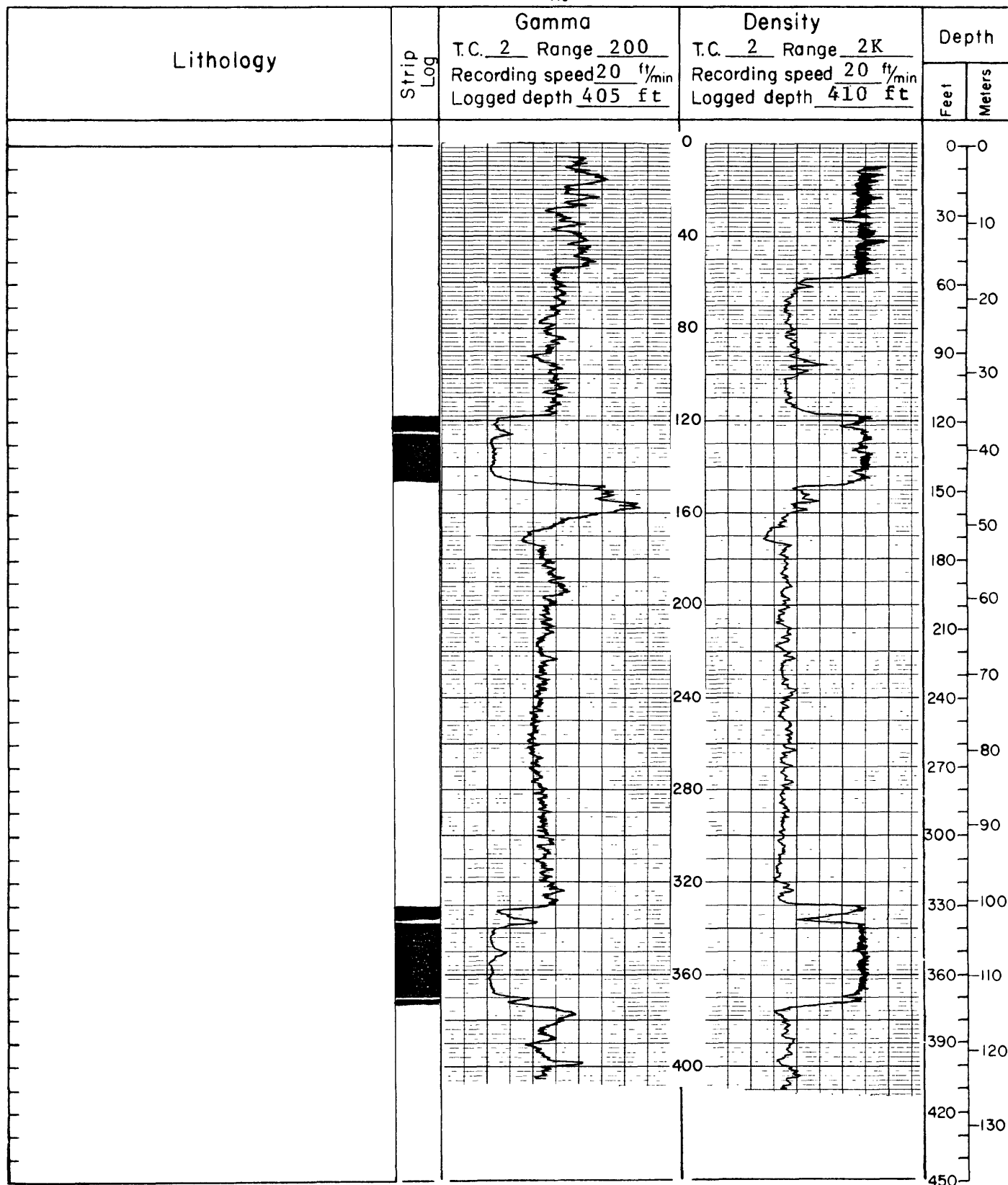
# Montana College of Mineral Science and Technology

Hole no: US-77259 Map Homestead Draw SW Date 9/26/77 State Wyoming County: Campbell  
 Elev. 4157 ft Location: T. 56 N., R. 73 W., Sec. 34, Tract BCAB Drilled depth: 410 ft  
 Measured: 1390 ft FNL, 700 ft FFL Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

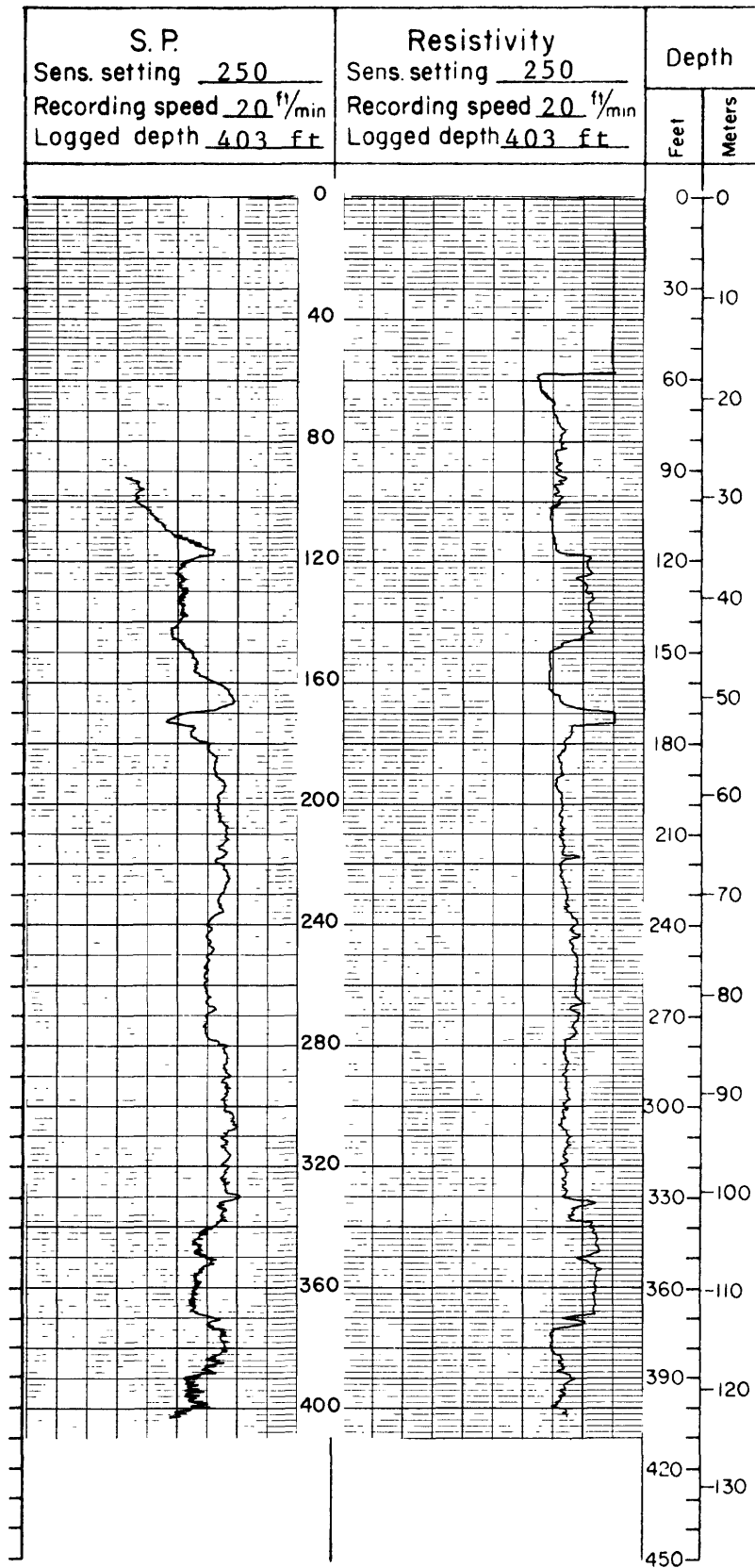
Recorded by: K. WILLIAMS

Geologist ~~XXXX~~ No Recorded by: L. SAUER



# Hole number (continued)

US-77259



# Montana College of Mineral Science and Technology

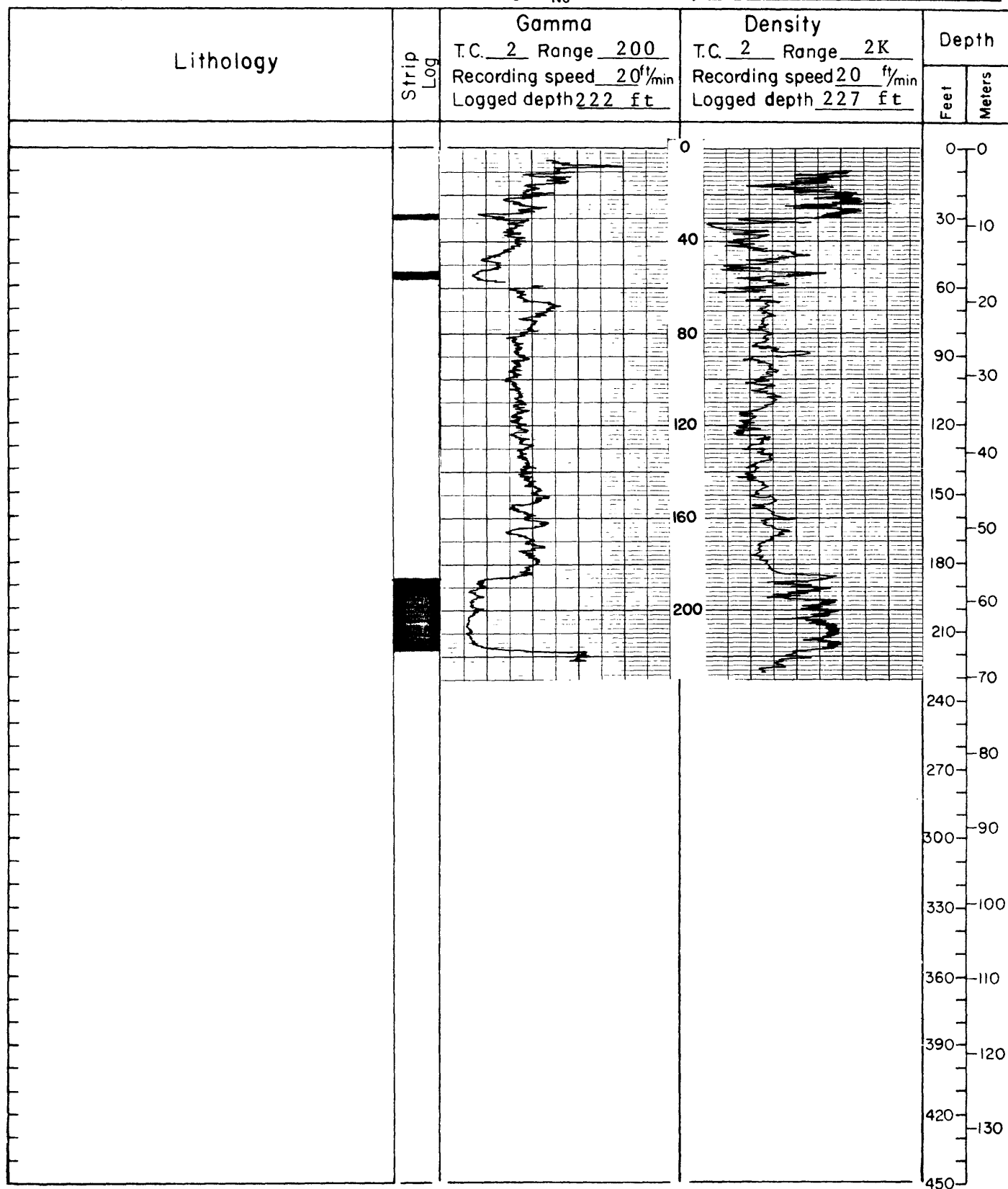
Hole no US-77260 Map Homestead Draw SW Date 9/26/77 State: Wyoming County: Campbell  
 Elev. 4194 ft Location: T. 55 N. R. 73 W. Sec. 3, Tract CABD Drilled depth: 230 ft  
 Measured: 2250 ft ~~FWL~~ 1920 ft ~~FWL~~ Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

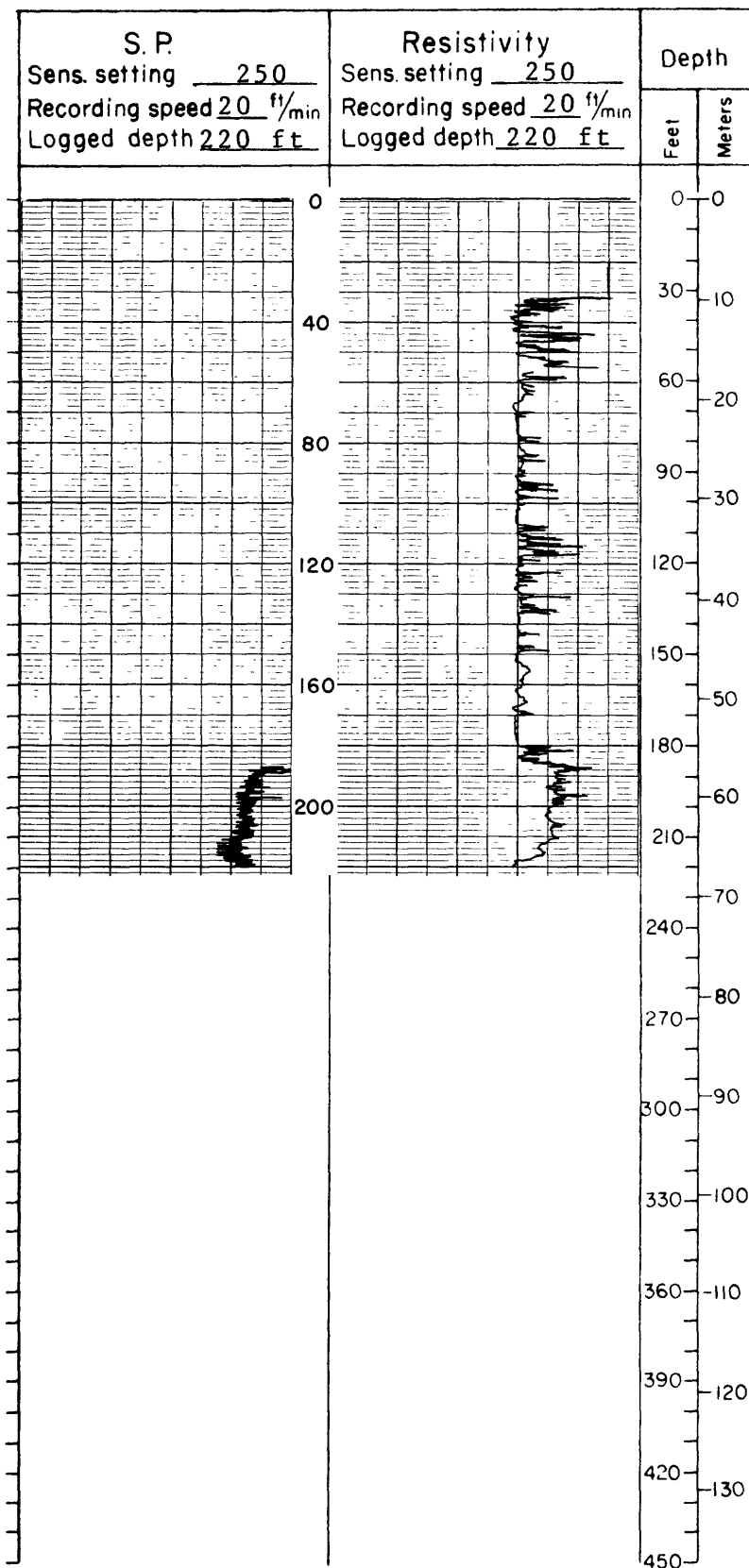
Geologist <sup>Yes</sup> ~~No~~

Recorded by: L. SAUER



# Hole number (continued)

US-77260



# Montana College of Mineral Science and Technology

Hole no: US-77261 Map Homestead Draw SW Date 9/27/77 State: Wyoming County: Campbell

Elev. 4153 ft Location: T. 55 <sup>N.</sup><sub>S.</sub> R. 73 <sup>E.</sup><sub>W.</sub> Sec. 10, Tract BADB Drilled depth: 190 ft

Measured: 800 ft <sup>FNL</sup><sub>FWL</sub> 2050 ft <sup>FNL</sup><sub>FWL</sub> Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist ~~Yes~~ No Recorded by: L. SAUER

Lithology	Strip Log	Gamma	Density	Depth	
		T.C. <u>2</u> Range <u>200</u> Recording speed <u>20</u> ft/min Logged depth <u>183</u> ft	T.C. <u>2</u> Range <u>2K</u> Recording speed <u>20</u> ft/min Logged depth <u>188</u> ft	Feet	Meters
				0	0
				30	10
				60	20
				90	30
				120	40
				150	50
				180	60
				210	70
				240	80
				270	90
				300	100
				330	110
				360	120
				390	130
				420	
				450	



# Montana College of Mineral Science and Technology

Hole no: US 77262 Map Homestead Draw SW Date: 9/27/77 State: Wyoming County: Campbell

Elev: 4139 ft Location: T. 55 N. 8 S. R. 73 W. Sec. 9, Tract DAAC Drilled depth: 150 ft

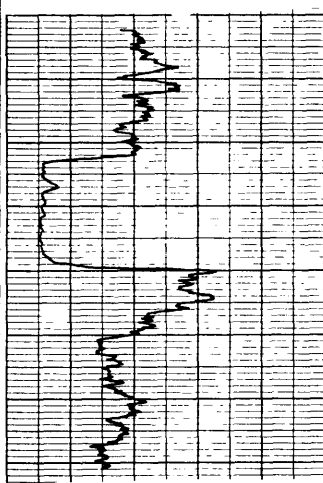
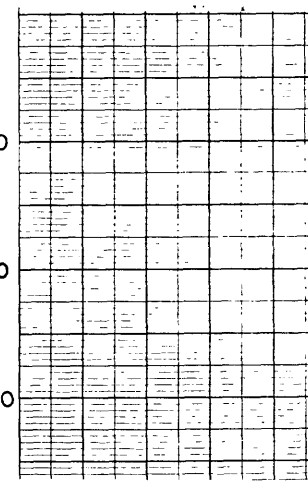
Measured: 2150 ft ~~FSL~~ <sup>BNK</sup> 450 ft ~~FSL~~ <sup>FEL</sup> ~~XWX~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist ~~XWX~~ <sup>No</sup>

Recorded by: L. SAUER

Lithology	Strip Log	Gamma	Density	Depth	
		T.C. <u>2</u> Range <u>200</u> Recording speed <u>20</u> ft/min Logged depth <u>142</u> ft	T.C. _____ Range _____ Recording speed _____ ft/min Logged depth _____	Feet	Meters
				0	0
				30	10
				60	20
				90	30
				120	40
				150	50
				180	60
				210	70
				240	80
				270	90
				300	100
				330	110
				360	120
				390	130
				420	140
				450	150

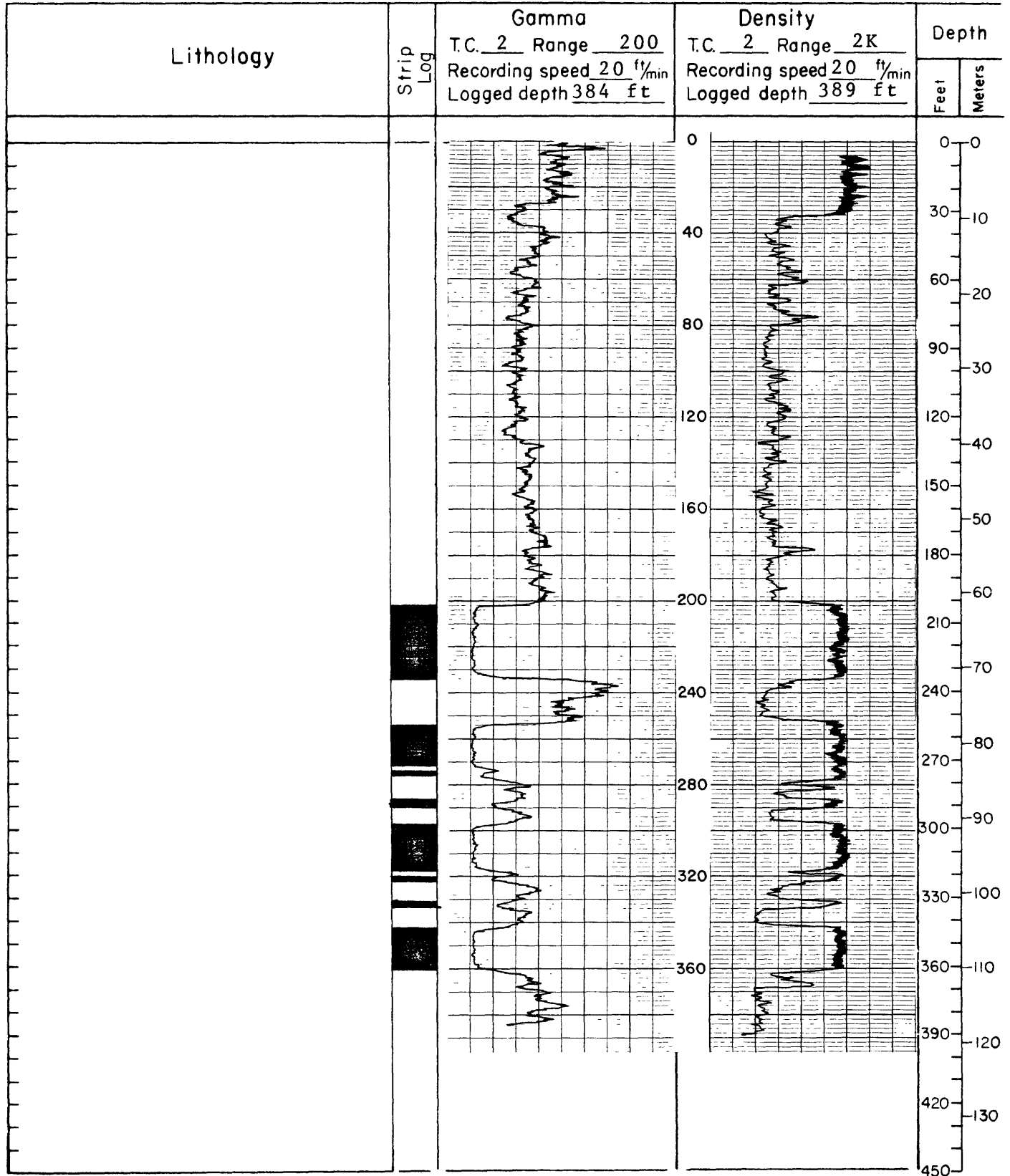
# Montana College of Mineral Science and Technology

Hole no: US-77263 Map White Tail Butte Date: 9/27/77 State Wyoming County: Campbell  
 Elev. 4097 ft Location: T. 55 N. R. 73 W. Sec. 11, Tract CABD Drilled depth: 390 ft  
 Measured: 2250 ft FSL, 1700 ft FWL Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist <sup>Yes</sup> No Recorded by: L. SAUER





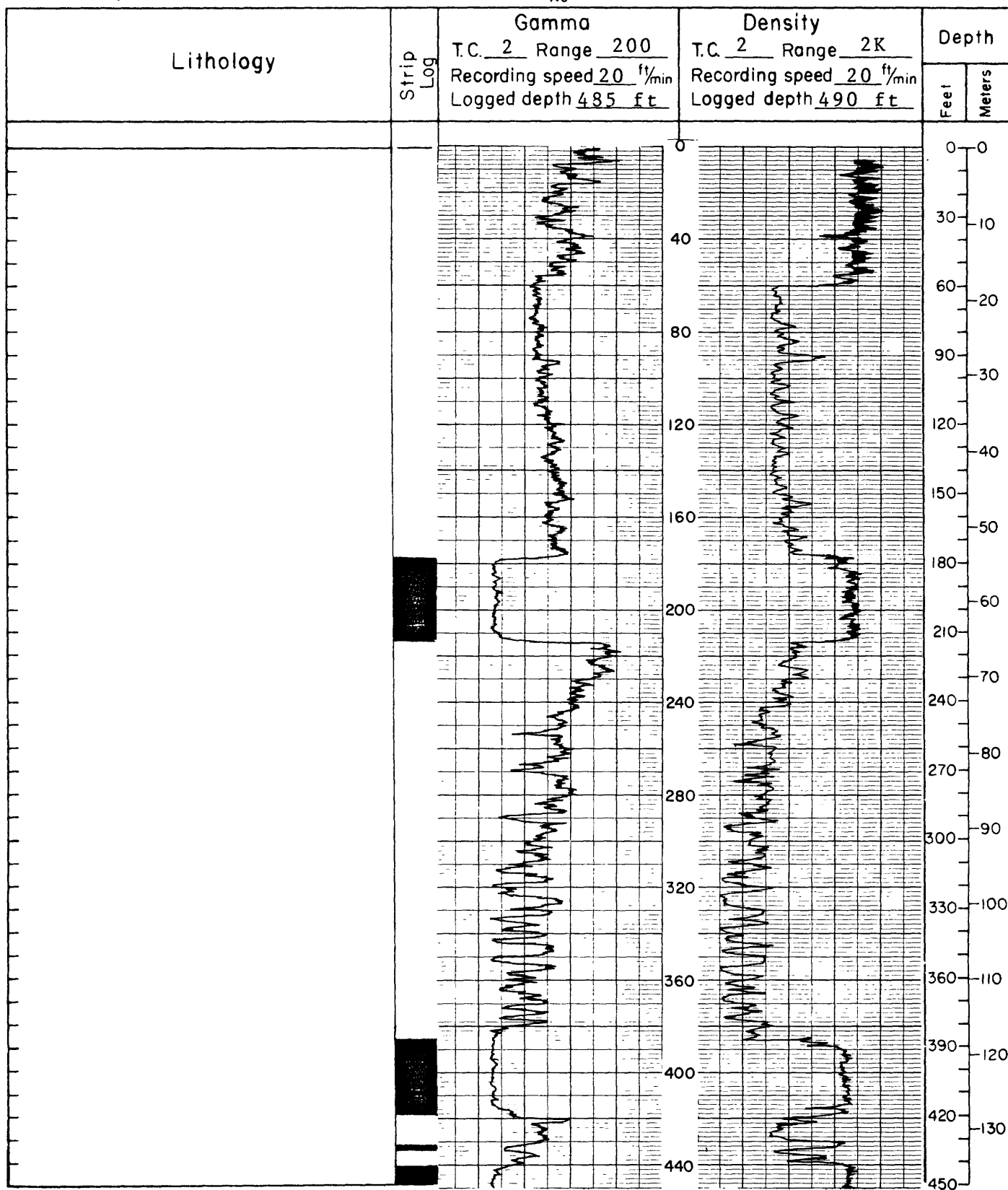
**Montana College of Mineral Science and Technology**

Hole no: US-77265 Map: Recluse Date: 9/28/77 State: Wyoming County: Campbell  
 Elev.: 4127 ft Location: T. 55 N. R. 73 W. Sec. 22, Tract BCCB Drilled depth: 490 ft  
 Measured 2275 ft <sup>FNL</sup> 100 ft <sup>FWL</sup> Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

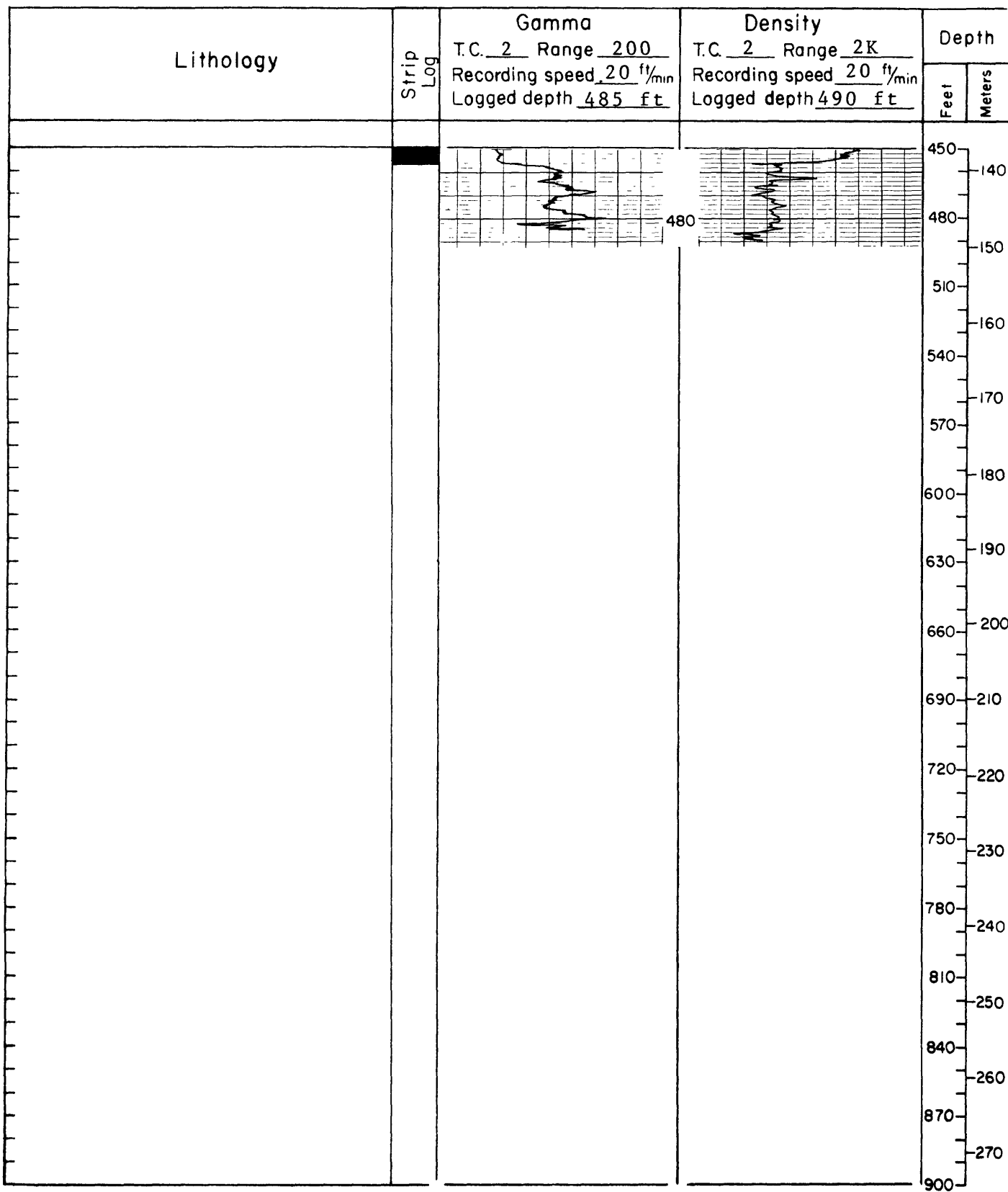
Recorded by: L. SAUER

Geologist <sup>Yes</sup> ☒ No ☐ Recorded by: L. SAUER



Hole number (continued)

US - 77265



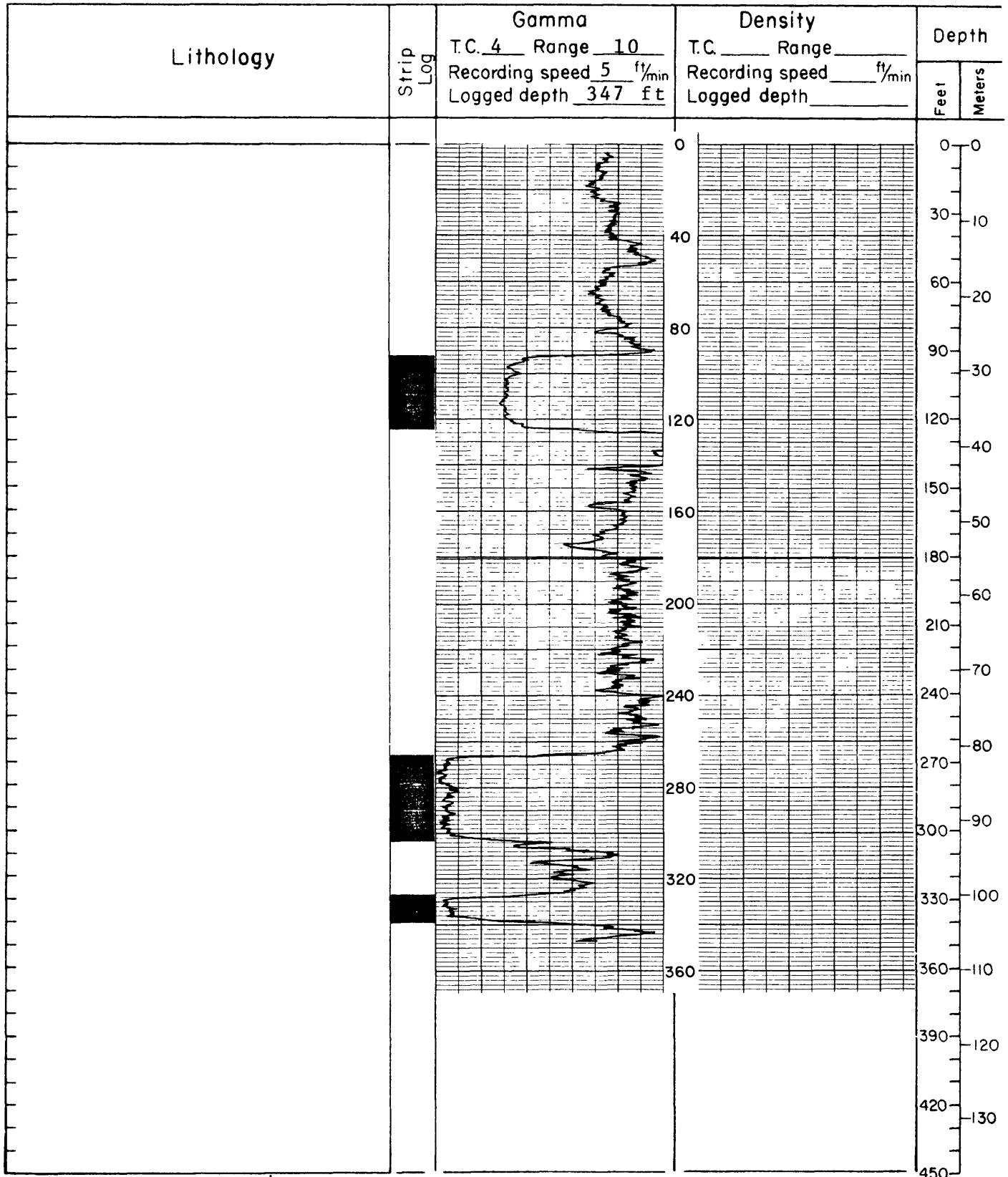
# Montana College of Mineral Science and Technology

Hole no: US-77266 Map: Pitch Draw Date: 10/4/77 State: Wyoming County: Campbell  
 Elev.: 4104 ft Location: T. 55 N. R. 73 W. Sec. 23, Tract BCBC Drilled depth: 350 ft  
 Measured: 1900 ft <sup>FNL</sup> RSK, 150 ft <sup>FWL</sup> RSK Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist <sup>xxx</sup> No Recorded by: R. BARCOCK



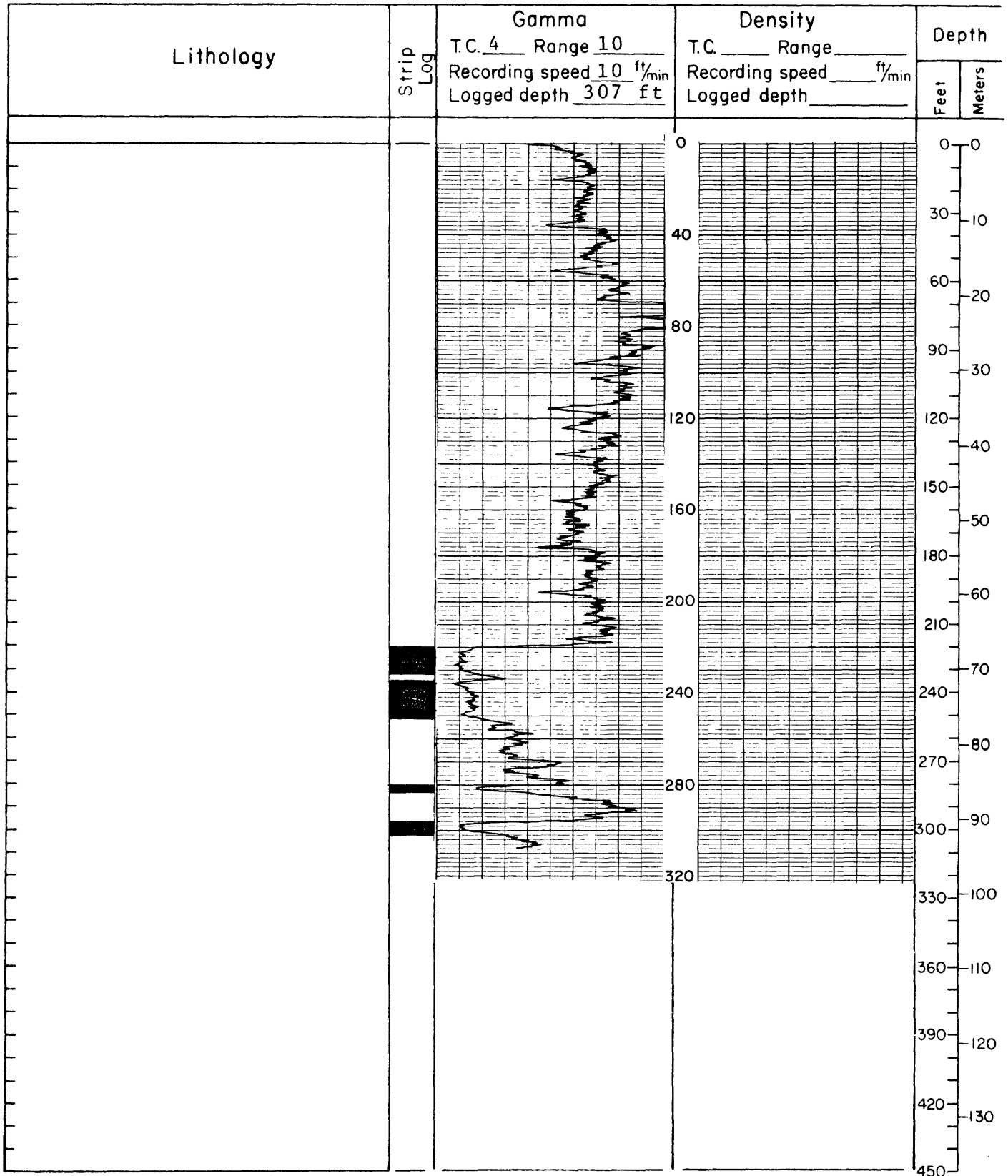
# Montana College of Mineral Science and Technology

Hole no: US-77267 Map: Pitch Draw Date: 10/5/77 State: Wyoming County: Campbell  
 Elev.: 4131 ft Location: T. 55 <sup>N.</sup> <sub>S.</sub>, R. 73 <sup>E.</sup> <sub>W.</sub>, Sec. 14, Tract ADDA Drilled depth: 310 ft  
 Measured: 2100 ft <sup>FNL</sup> ~~FSL~~, 220 ft <sup>FEL</sup> ~~FSL~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist <sup>Yes</sup> ~~No~~ Recorded by: R. BABCOCK



# Montana College of Mineral Science and Technology

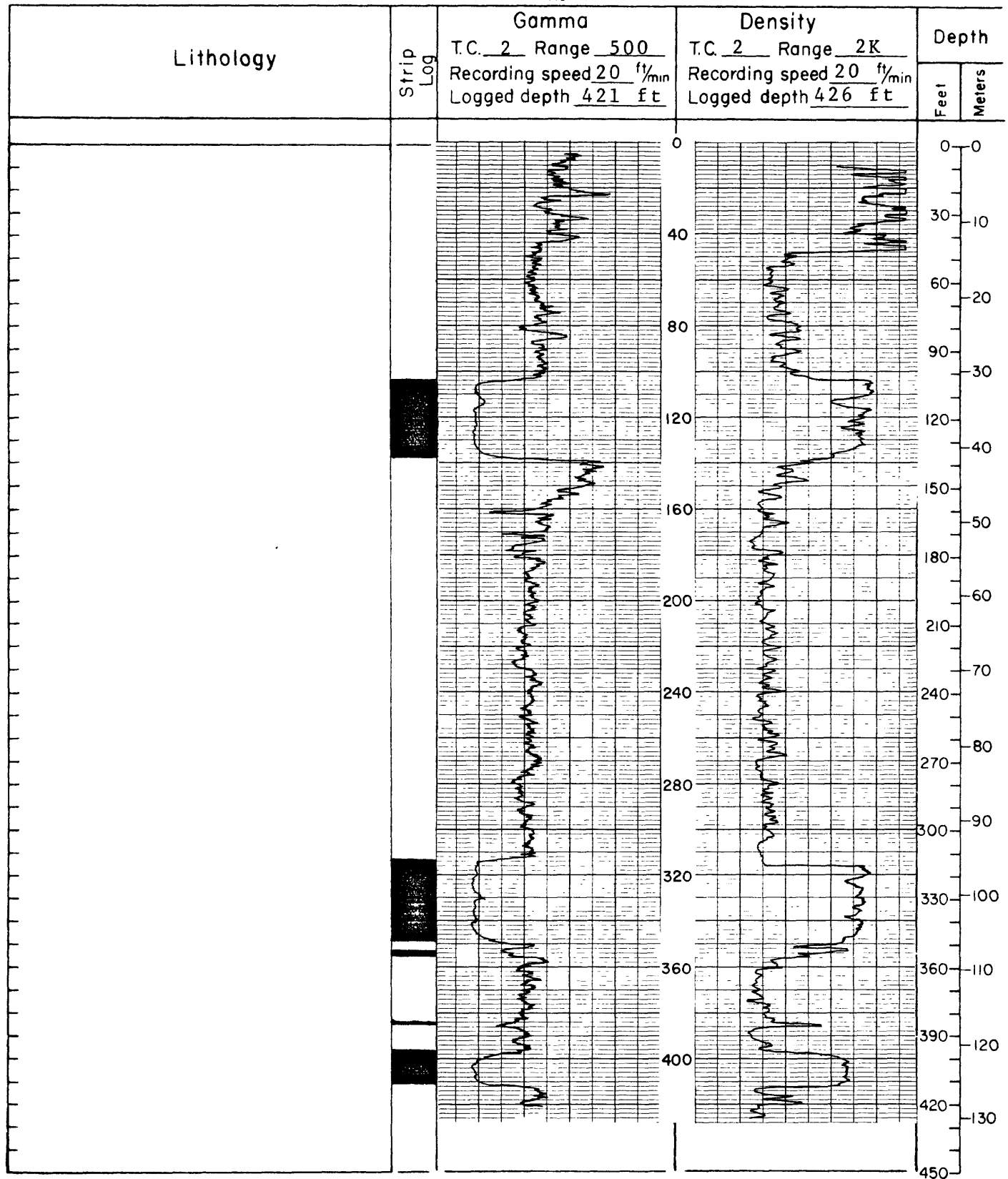
Hole no: US-77268 Map: Recluse Date: 10/9/77 State: Wyoming County: Campbell  
 Elev. 4071 ft Location: T. 55 N. R. 73 E. Sec. 15, Tract CBCB Drilled depth: 430 ft  
 Measured: 1800 ft FSL, 30 ft FWL Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist <sup>XXXX</sup> No

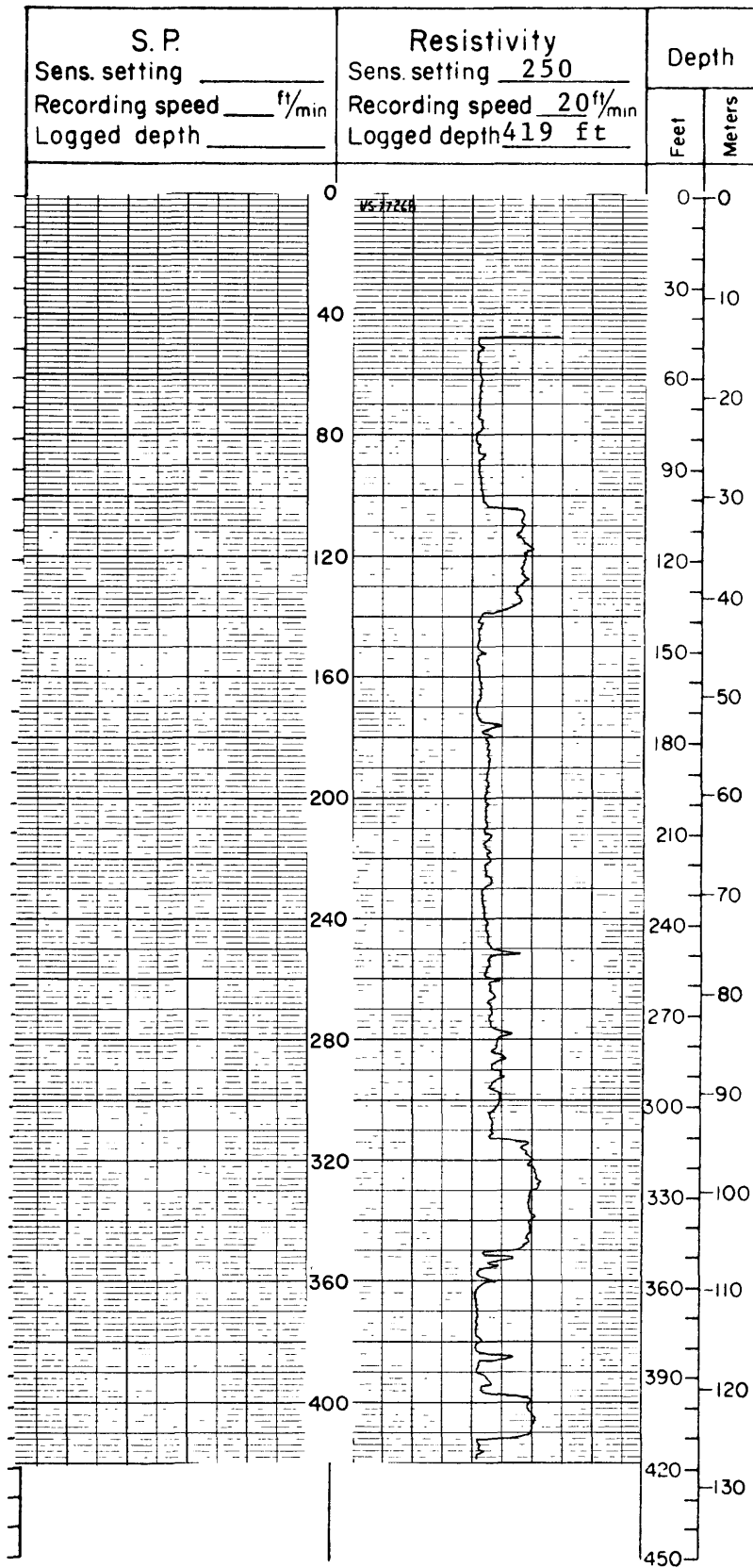
Recorded by: L. SAUER





Hole number (continued)

US- 77268



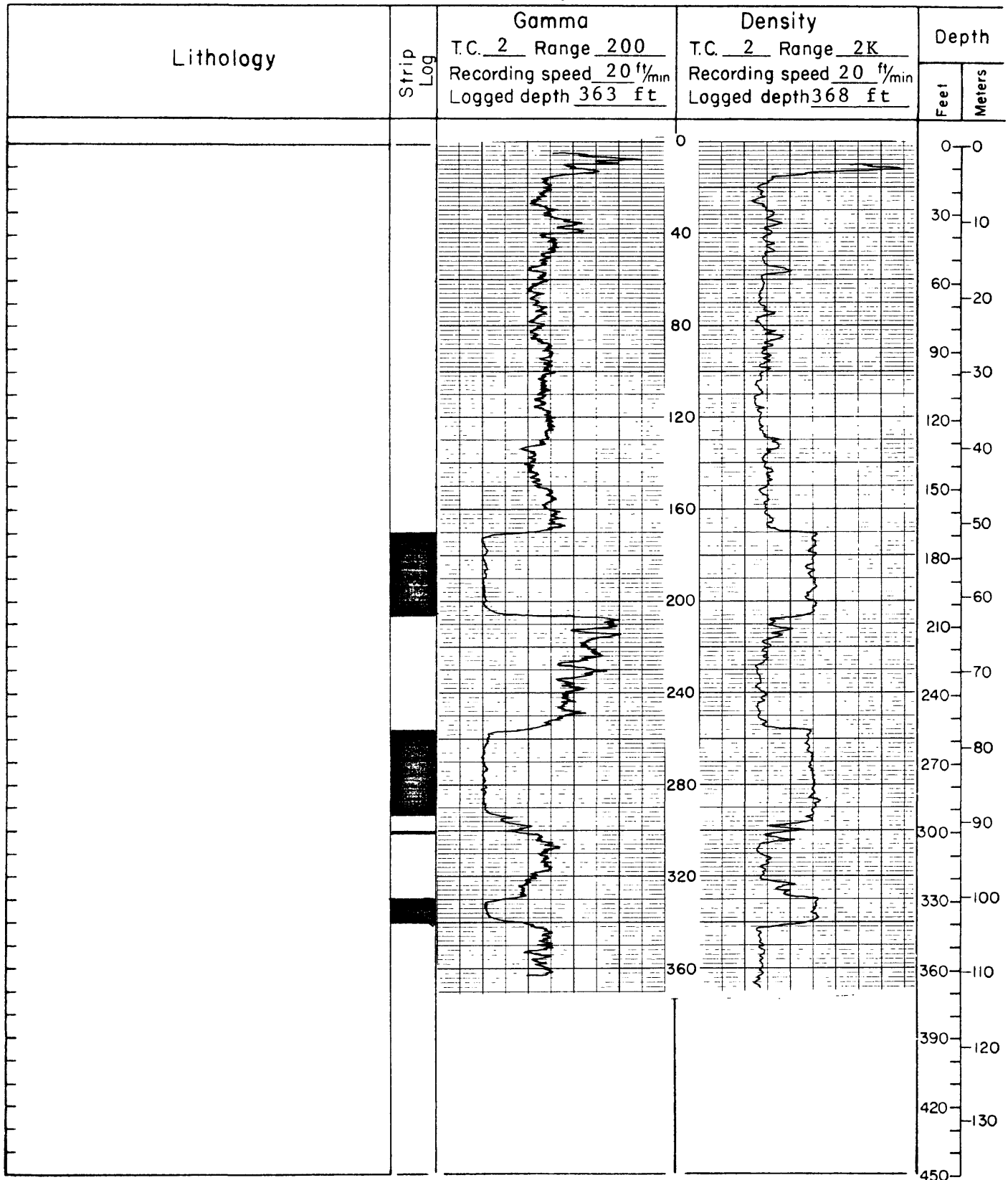
# Montana College of Mineral Science and Technology

Hole no: US-77269 Map: Pitch Draw Date: 10/11/77 State: Wyoming County: Campbell  
 Elev. 4145 ft Location: T. 55 <sup>N.</sup> <sub>S.</sub>, R. 73 <sup>E.</sup> <sub>W.</sub>, Sec. 23, Tract DBCA Drilled depth: 370 ft  
 Measured 1900 ft <sup>\*\*\*</sup> <sub>FSL</sub>, 2350 ft <sup>FEL</sup> <sub>FWK</sub> Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

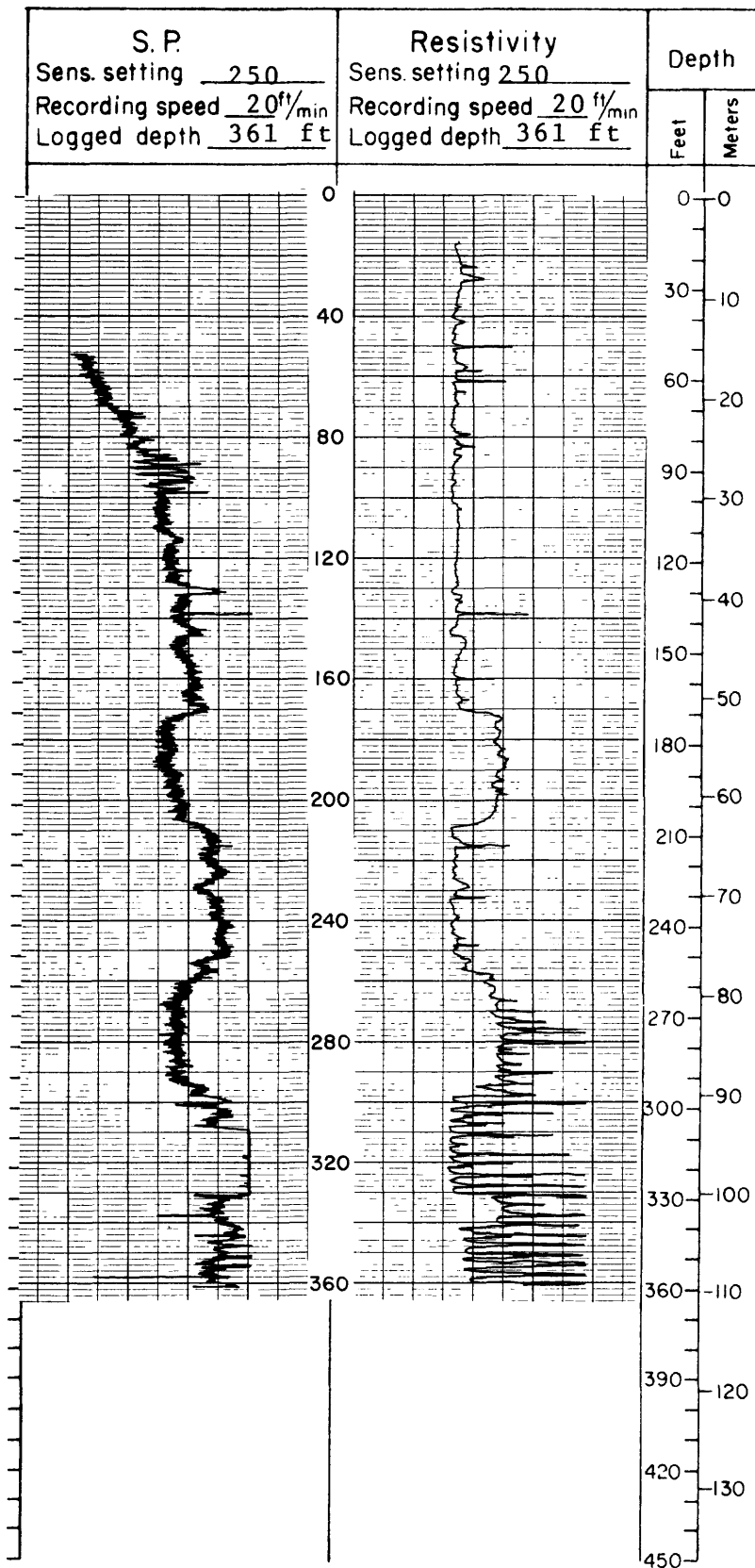
Recorded by: K. WILLIAMS

Geologist <sup>Yes</sup> <sub>No</sub> Recorded by: L. SAUER



# Hole number (continued)

US-77269



# Montana College of Mineral Science and Technology

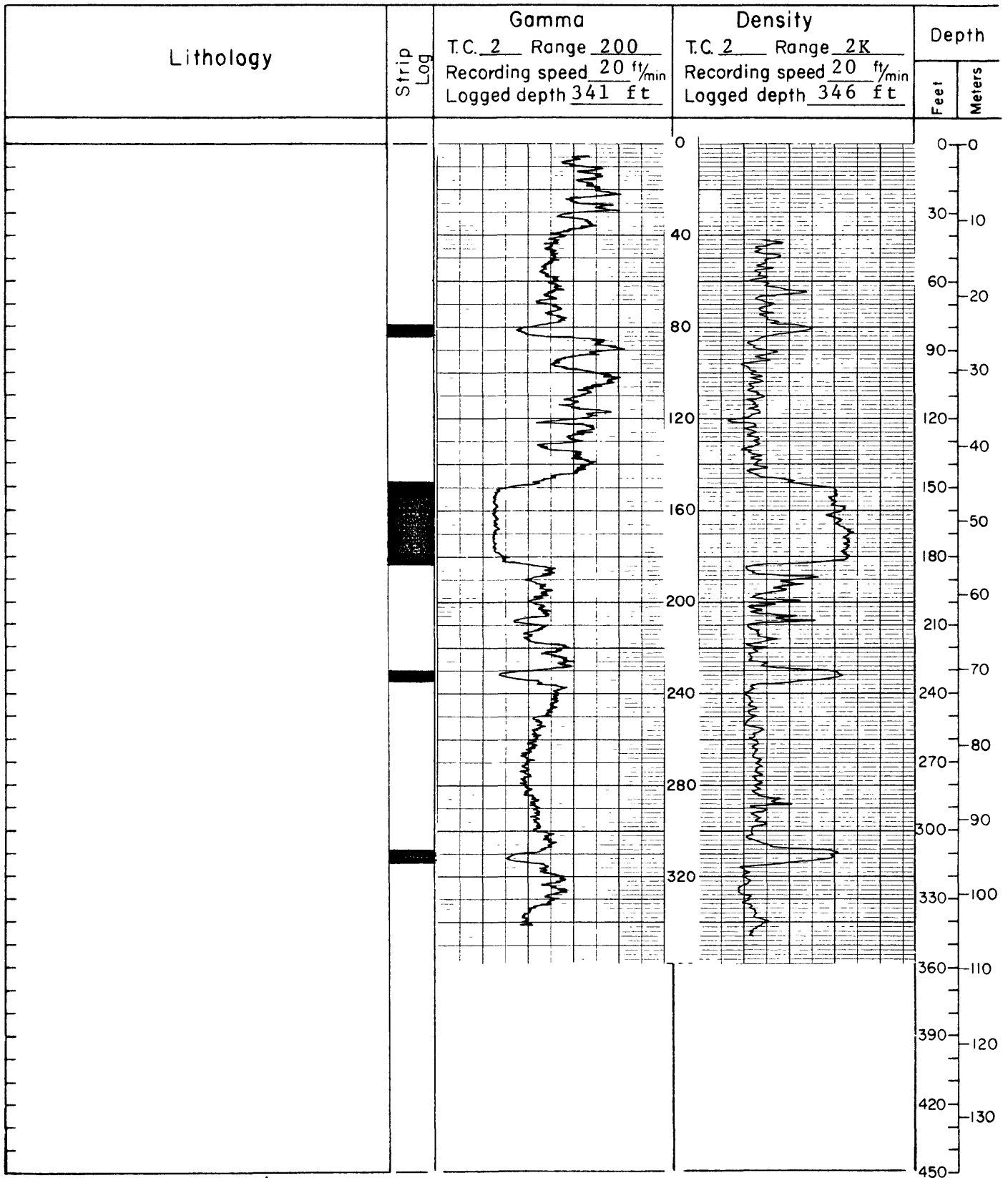
Hole no: US-77270 Map: Pitch Draw Date: 10/18/77 State: Wyoming County: Campbell  
 Elev.: 4082 ft Location: T. 55 <sup>N</sup>, R. 73 <sup>W</sup>, Sec. 25, Tract BBDB Drilled depth: 350 ft  
 Measured: 800 ft <sup>FNL</sup> ~~RSX~~ 700 ft <sup>FWL</sup> ~~RSX~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist <sup>xxx</sup> No

Recorded by: L. SAUER



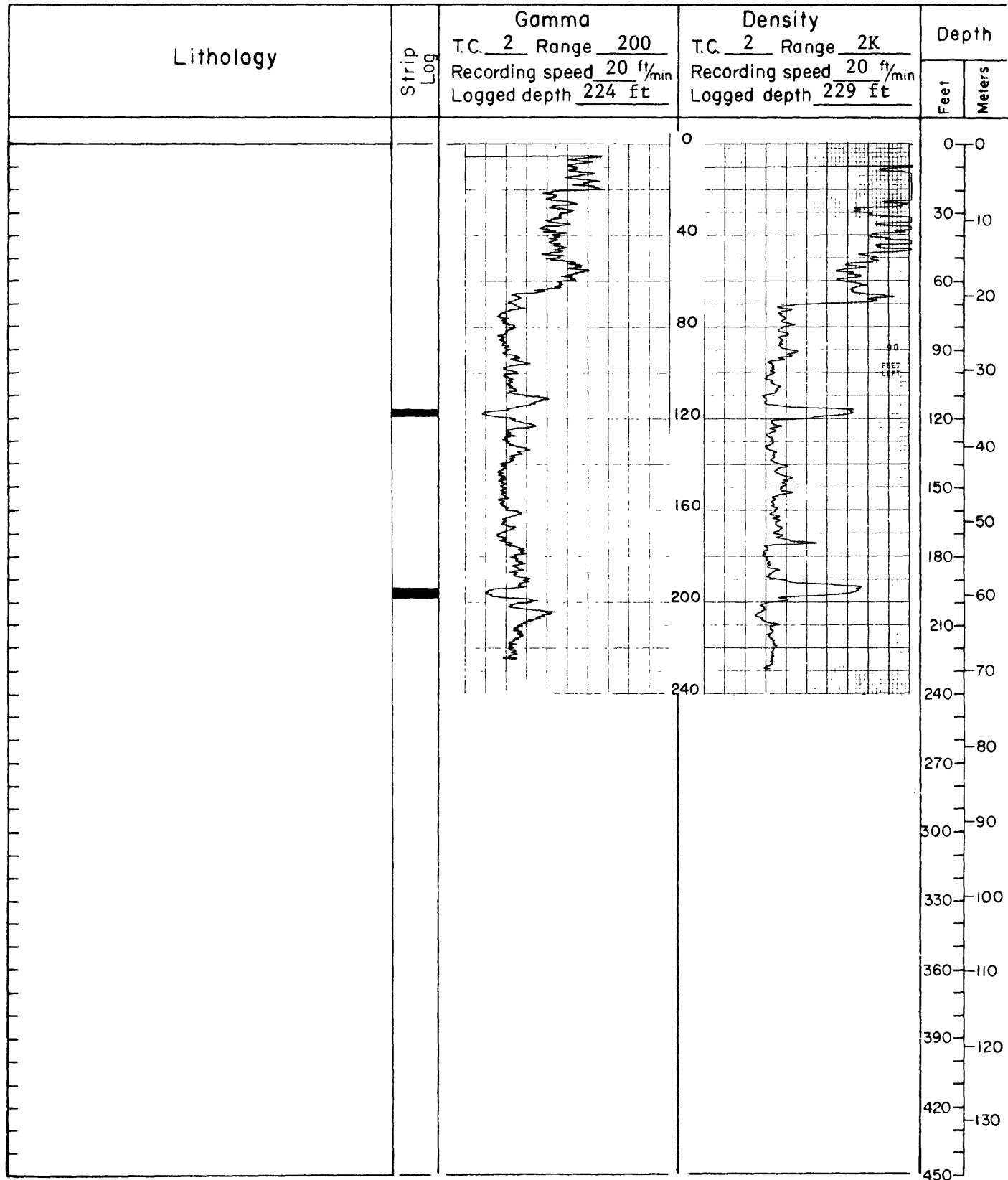
**Montana College of Mineral Science and Technology**

Hole no US-77271 Map: Pitch Draw Date 10/18/77 State: Wyoming County: Campbell  
 Elev.: 3983 ft Location: T. 55 N. 8, R. 73 W., Sec. 25, Tract ABCC Drilled depth: 230 ft  
 Measured: 1150 ft ~~FNL~~ 2350 ft ~~FEL~~ RWK Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist ~~XXX~~ No Recorded by: L. SAUER



# Montana College of Mineral Science and Technology

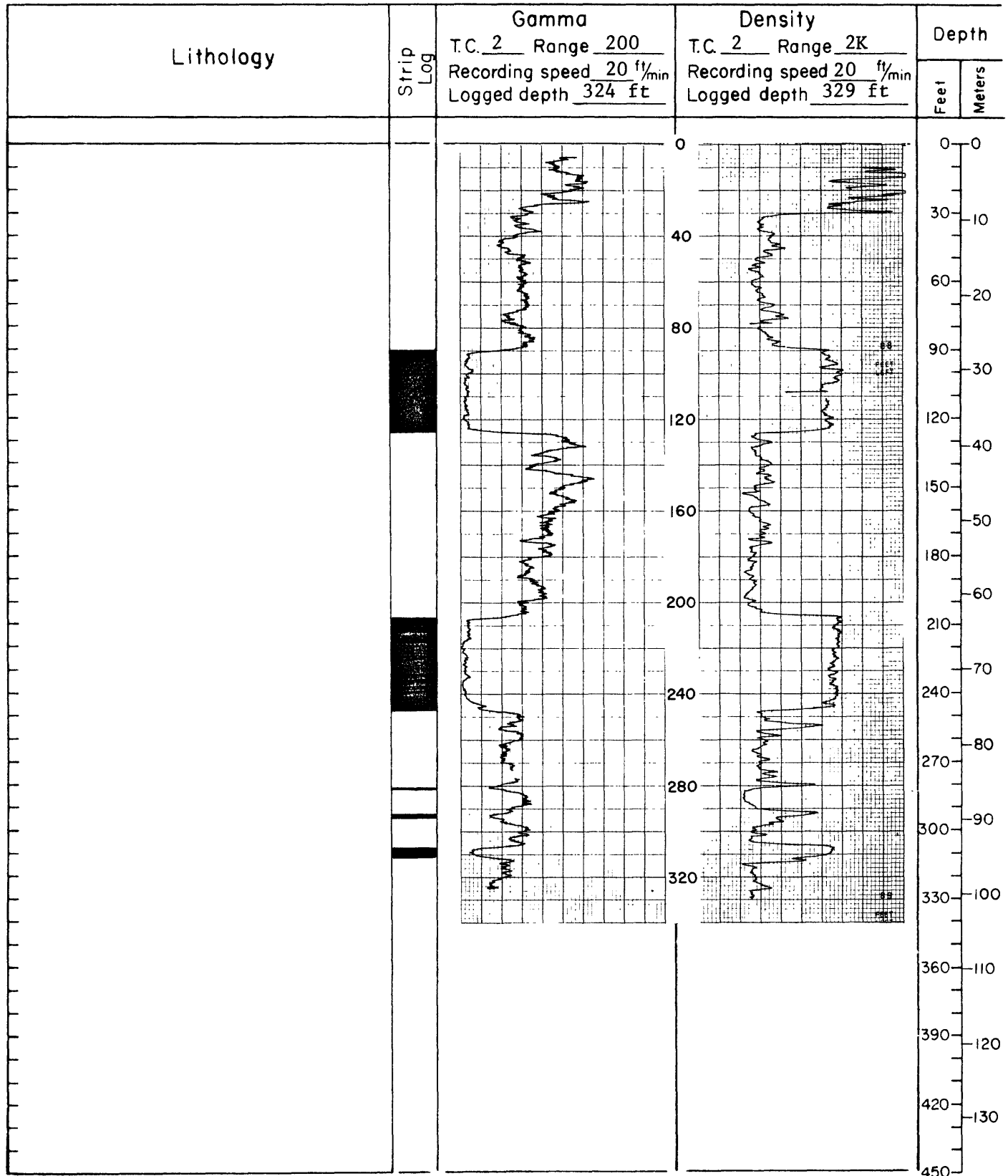
Hole no: US-77272 Map: Pitch Draw Date: 10/18/77 State: Wyoming County: Campbell  
 Elev.: 4136 ft Location: T. 55 <sup>N.</sup> <sub>S.</sub>, R. 73 <sup>E.</sup> <sub>W.</sub>, Sec. 25, Tract CCBA Drilled depth: 330 ft  
 Measured: 1200 ft ~~XXX~~ FSL, 400 ft ~~XXX~~ FWL Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist ~~XXX~~ No

Recorded by: L. SAUER



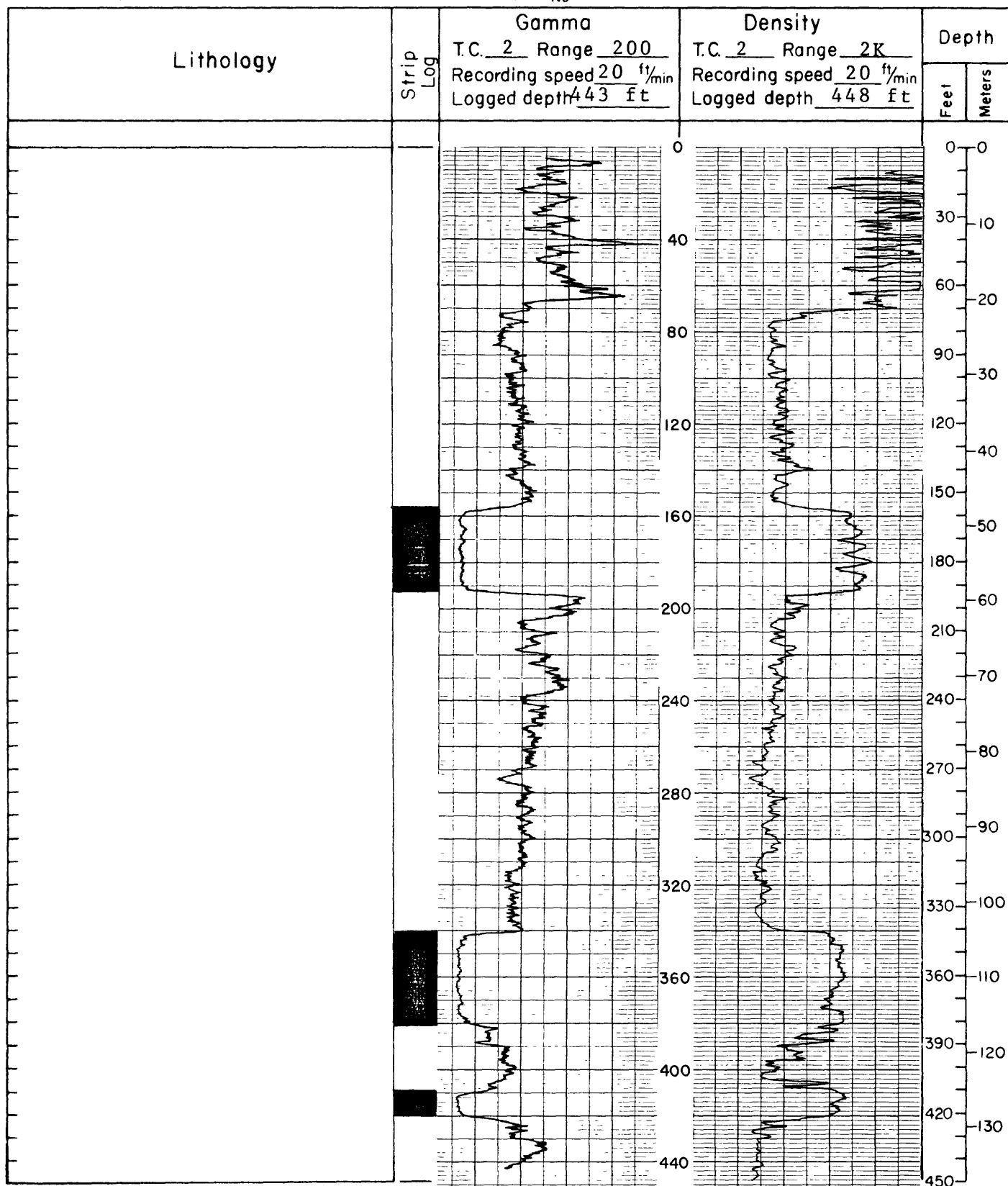
# Montana College of Mineral Science and Technology

Hole no: US-77273 Map: Pitch Draw Date: 10/18/77 State: Wyoming County: Campbell  
 Elev: 4158 ft Location: T. 55 N. R. 73 W. Sec. 27, Tract ADCC Drilled depth: 450 ft  
 Measured: 2600 ft <sup>FNL</sup> ~~2500~~ <sup>FEL</sup> ~~1200~~ ~~2500~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

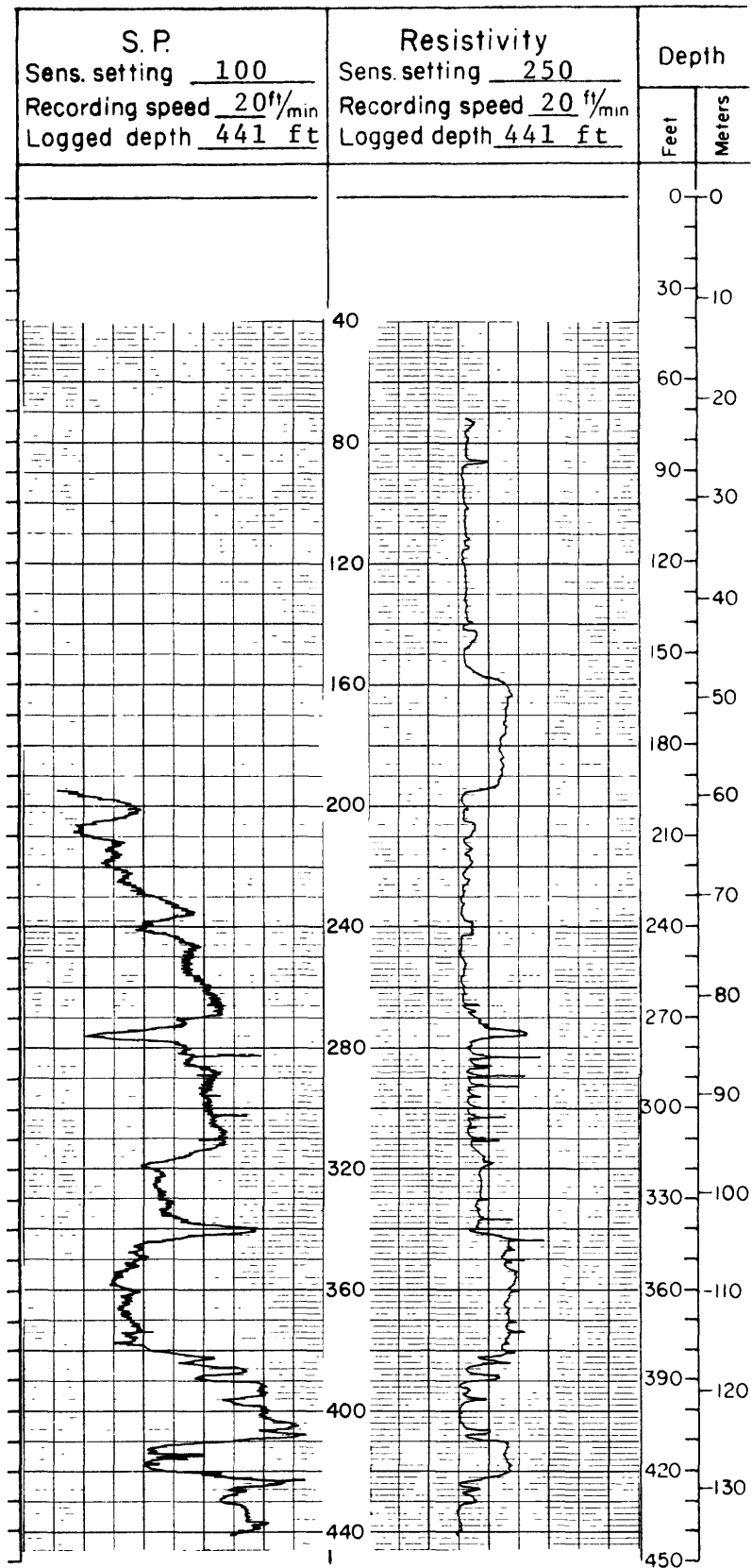
Recorded by: K. WILLIAMS

Geologist ~~Yes~~ <sup>No</sup> Recorded by: L. SAUER



Hole number (continued)

US-77273





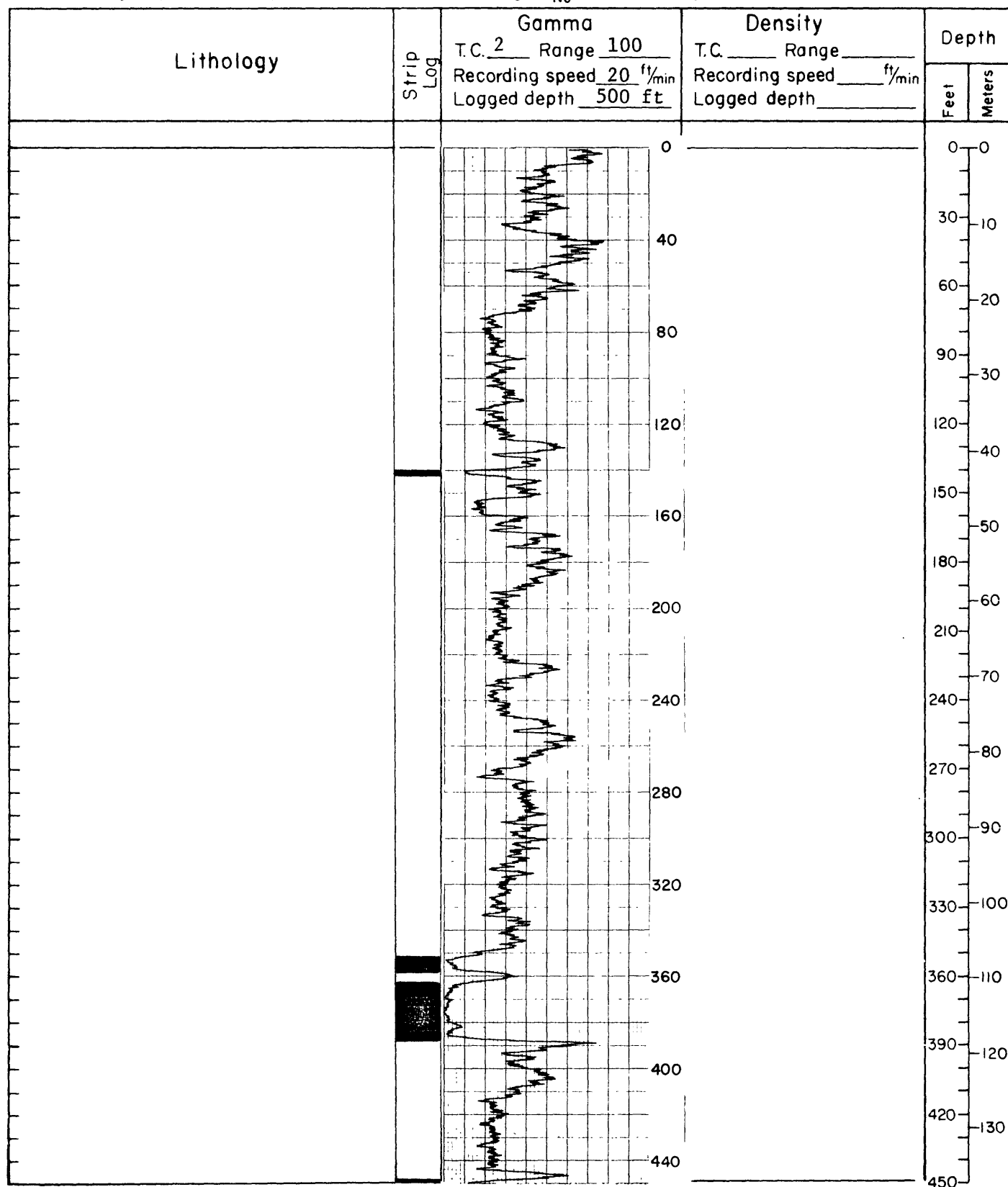
# Montana College of Mineral Science and Technology

Hole no US-77274 Map: Pitch Draw Date 10/19/77 State: Wyoming County: Campbell  
 Elev.: 3951 ft Location: T. 55 N. R. 72 E. W. Sec. 19, Tract CABD Drilled depth: 510 ft  
 Measured: 2150 ft ~~XXX~~ FSL, 1900 ft ~~XXX~~ FWL Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

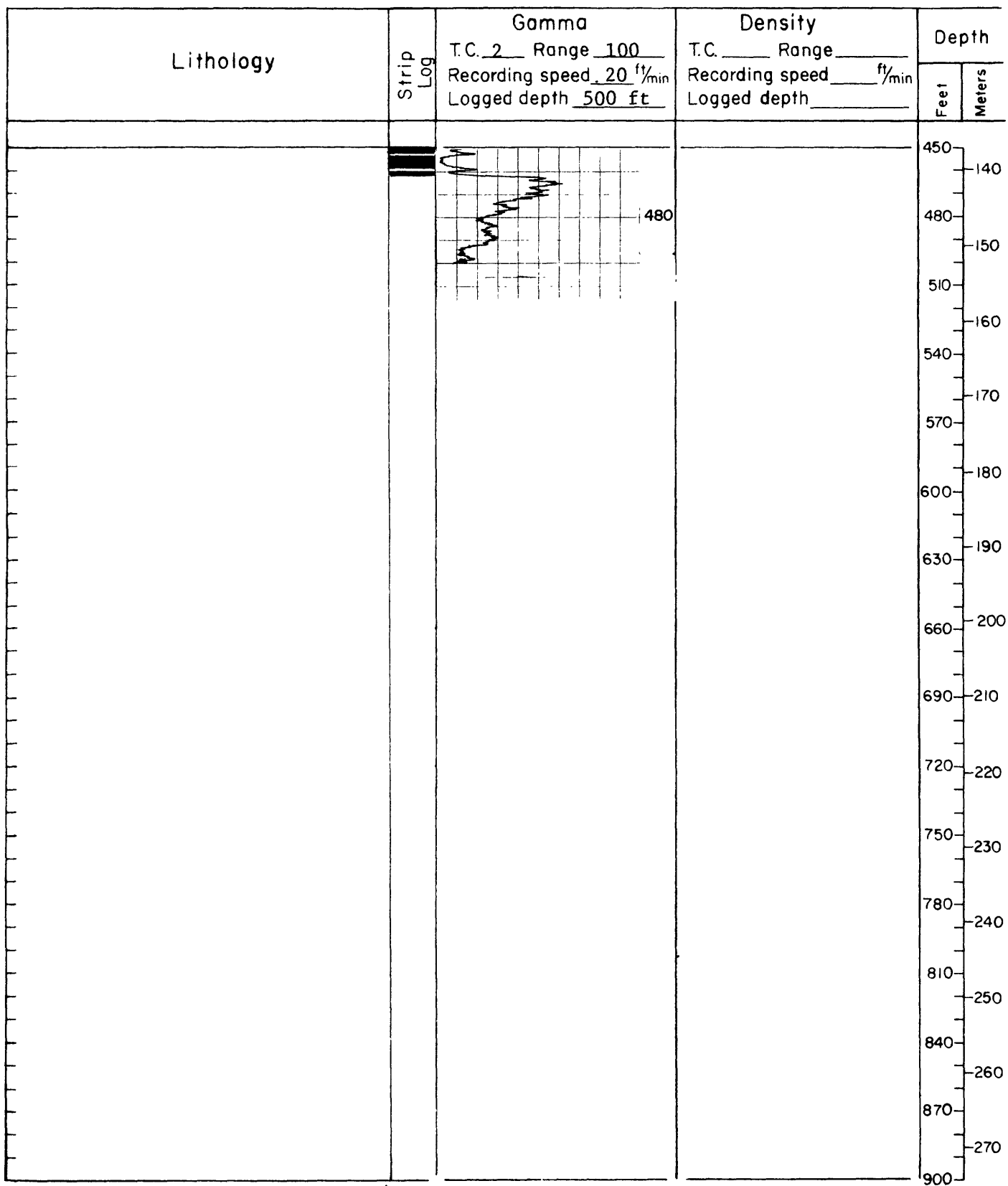
Recorded by: K. WILLIAMS

Geologist ~~XXX~~ No Recorded by: L. SAUER



Hole number (continued)

US - 77274



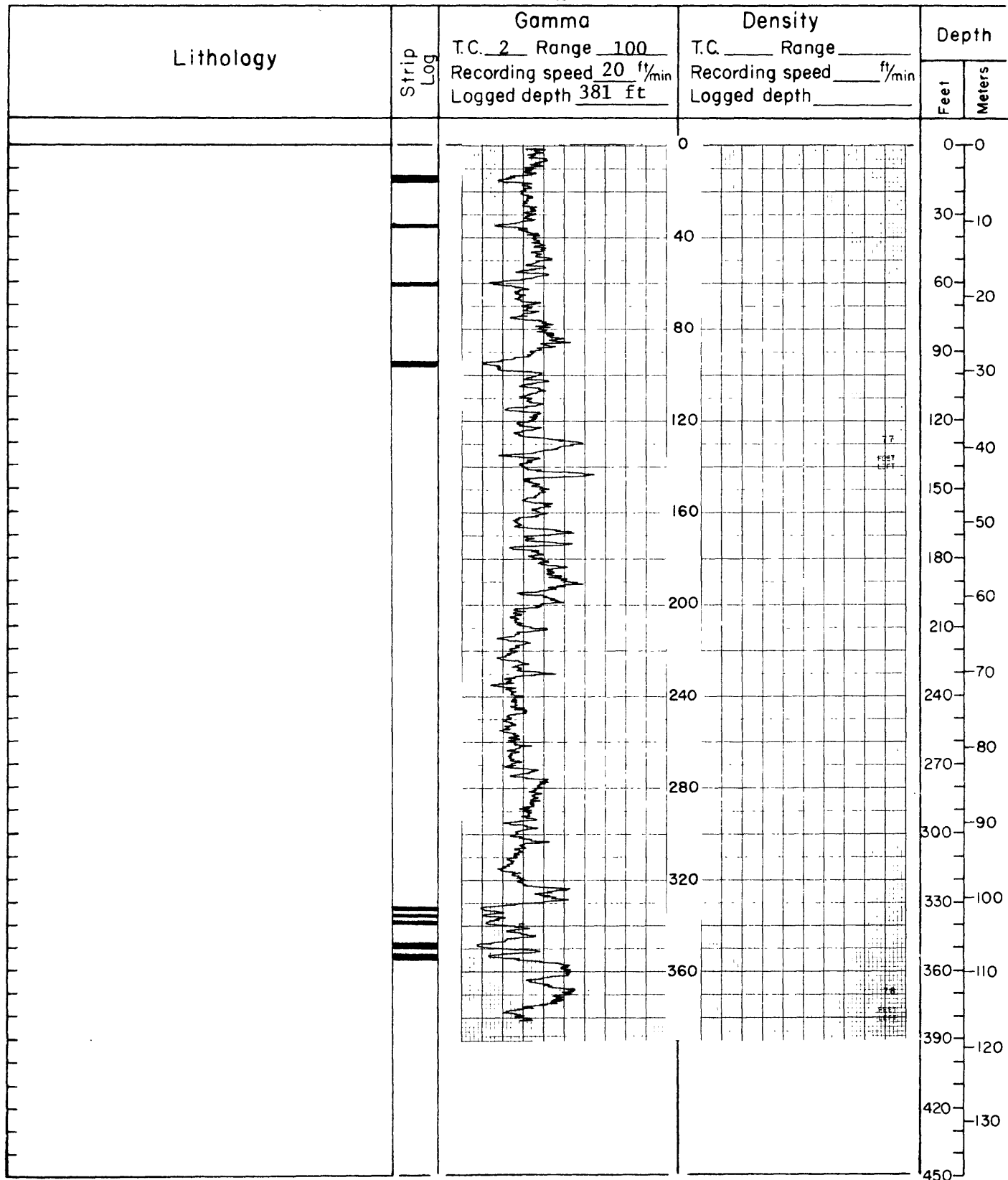
# Montana College of Mineral Science and Technology

Hole no: US-77275 Map: Pitch Draw Date: 10/19/77 State: Wyoming County: Campbell  
 Elev.: 4121 ft Location: T. 55 N. 8 R. 72 W. Sec. 21, Tract BDAB Drilled depth: 390 ft  
 Measured: 1375 ft <sup>FNL</sup> ~~xxx~~ 2150 ft <sup>FWL</sup> ~~xxx~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist <sup>xxx</sup> No Recorded by: L. SAUER



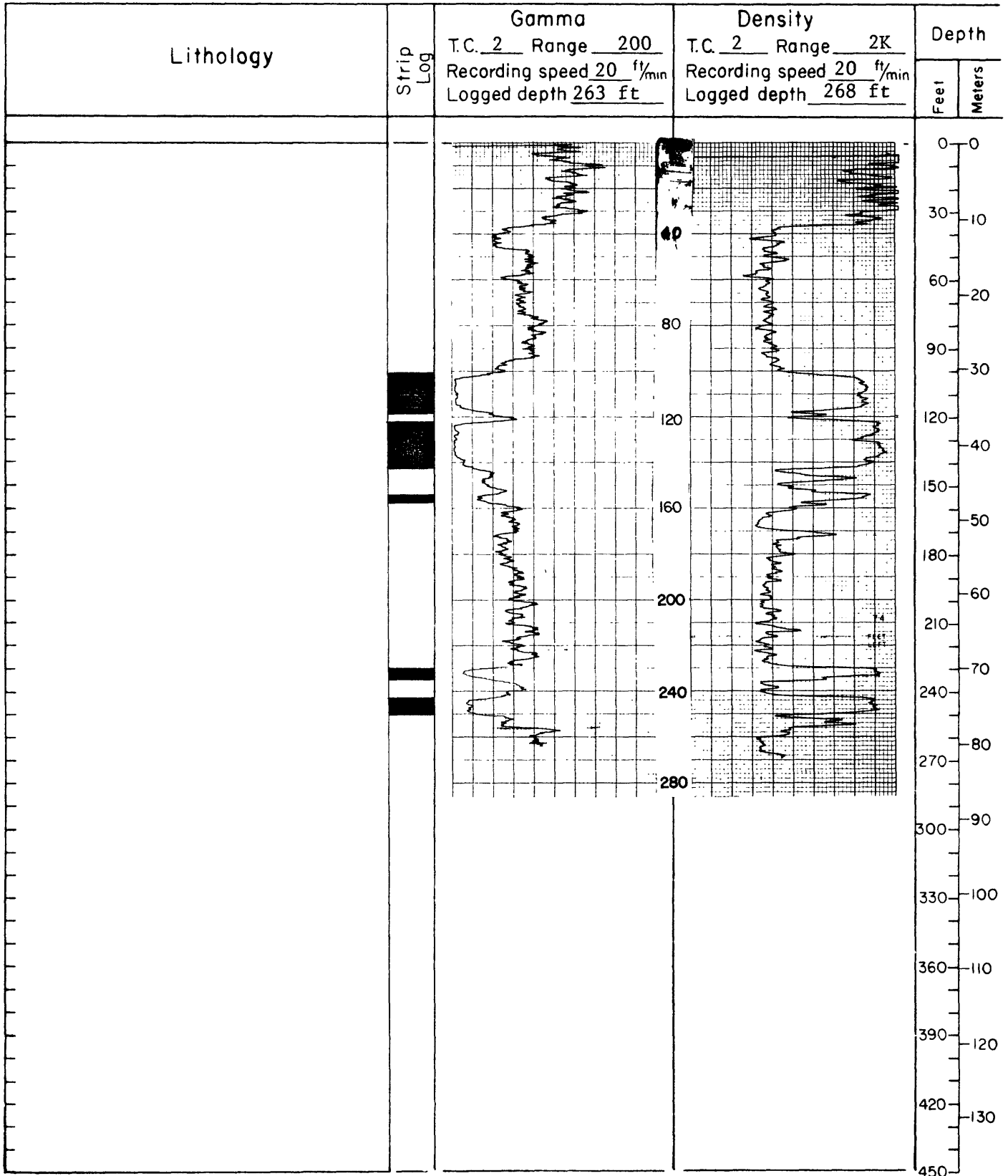
# Montana College of Mineral Science and Technology

Hole no: US-77276 Map: White Tail Butte Date: 10/20/77 State: Wyoming County: Campbell  
 Elev.: 3990 ft Location: T. 55 N., R. 72 W., Sec. 8, Tract BCCB Drilled depth: 270 ft  
 Measured: 2300 ft <sup>FNL</sup> ~~2300~~ 300 ft <sup>FWL</sup> ~~2300~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist ~~No~~ <sup>xxx</sup> Recorded by: L. SAUER



E174

# Montana College of Mineral Science and Technology

Hole no: US-77277 Map White Tail Butte Date 10/20/77 State: Wyoming County: Campbell

Elev.: 4139 ft Location: T. 55 N. R. 72 W. Sec. 7 , Tract CABC Drilled depth: 430 ft

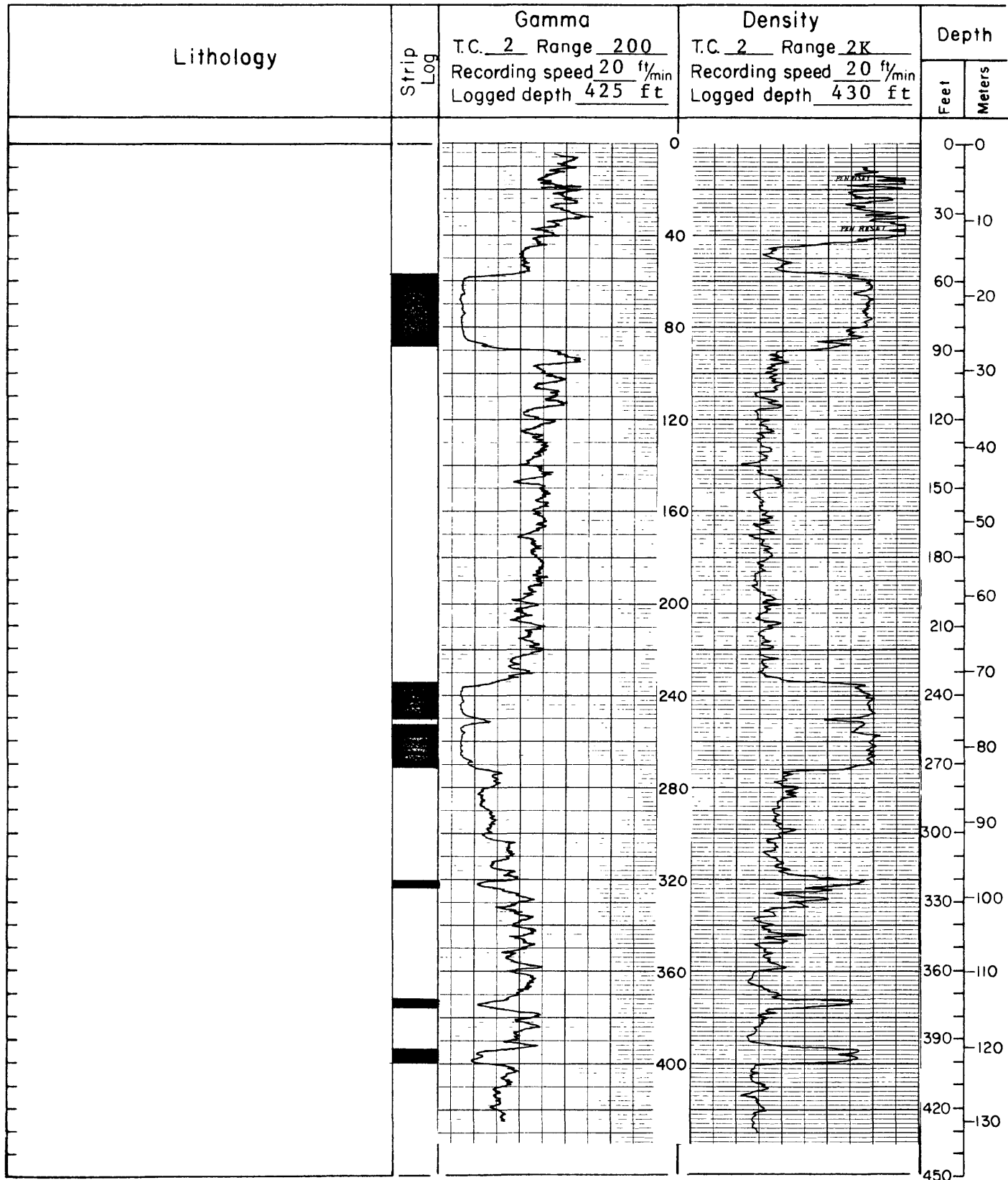
Measured: 2250 ft ~~FSL~~ 1400 ft ~~FWL~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

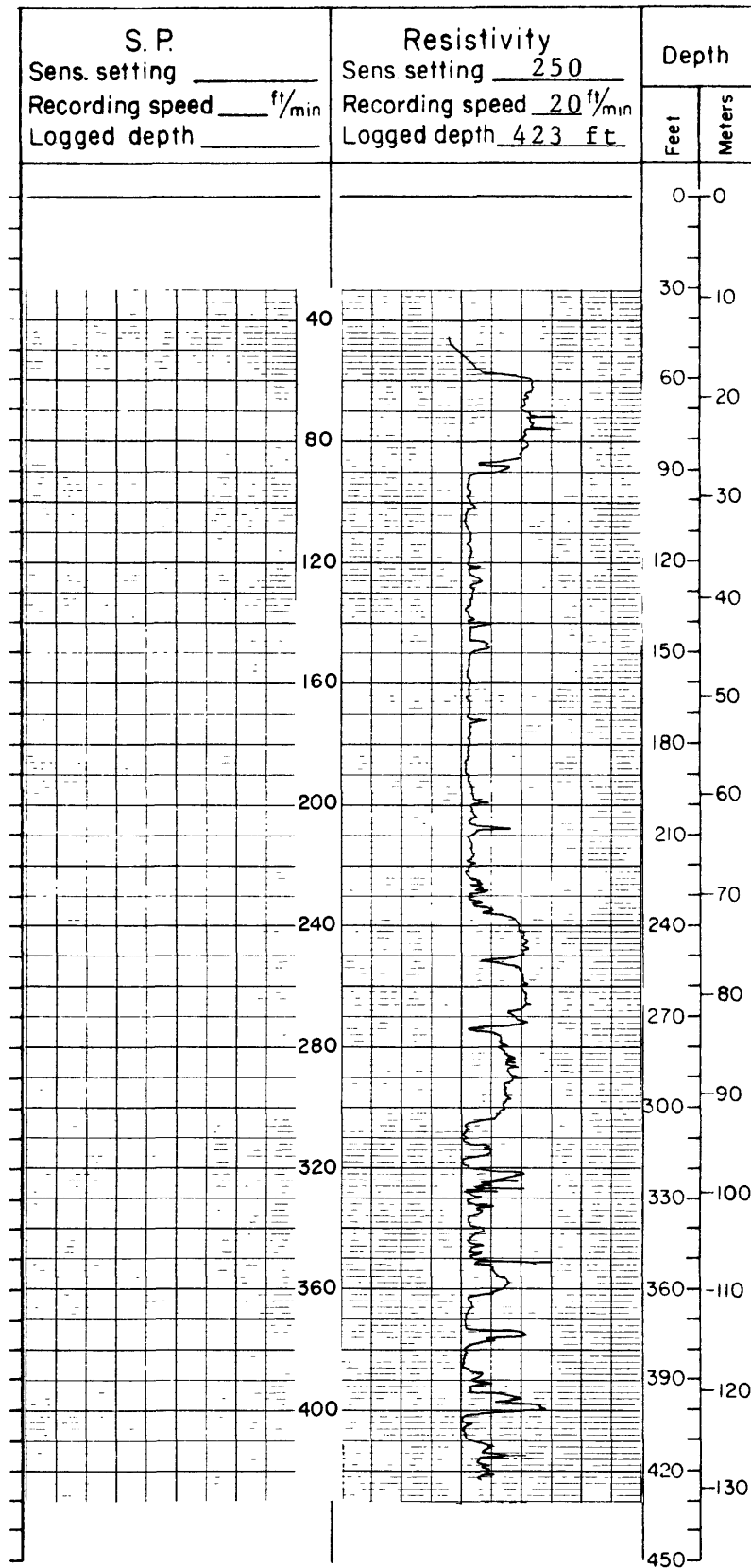
Geologist <sup>yes</sup>~~No~~

Recorded by: L. SAUER



# Hole number (continued)

US- 77277



**Montana College of Mineral Science and Technology**

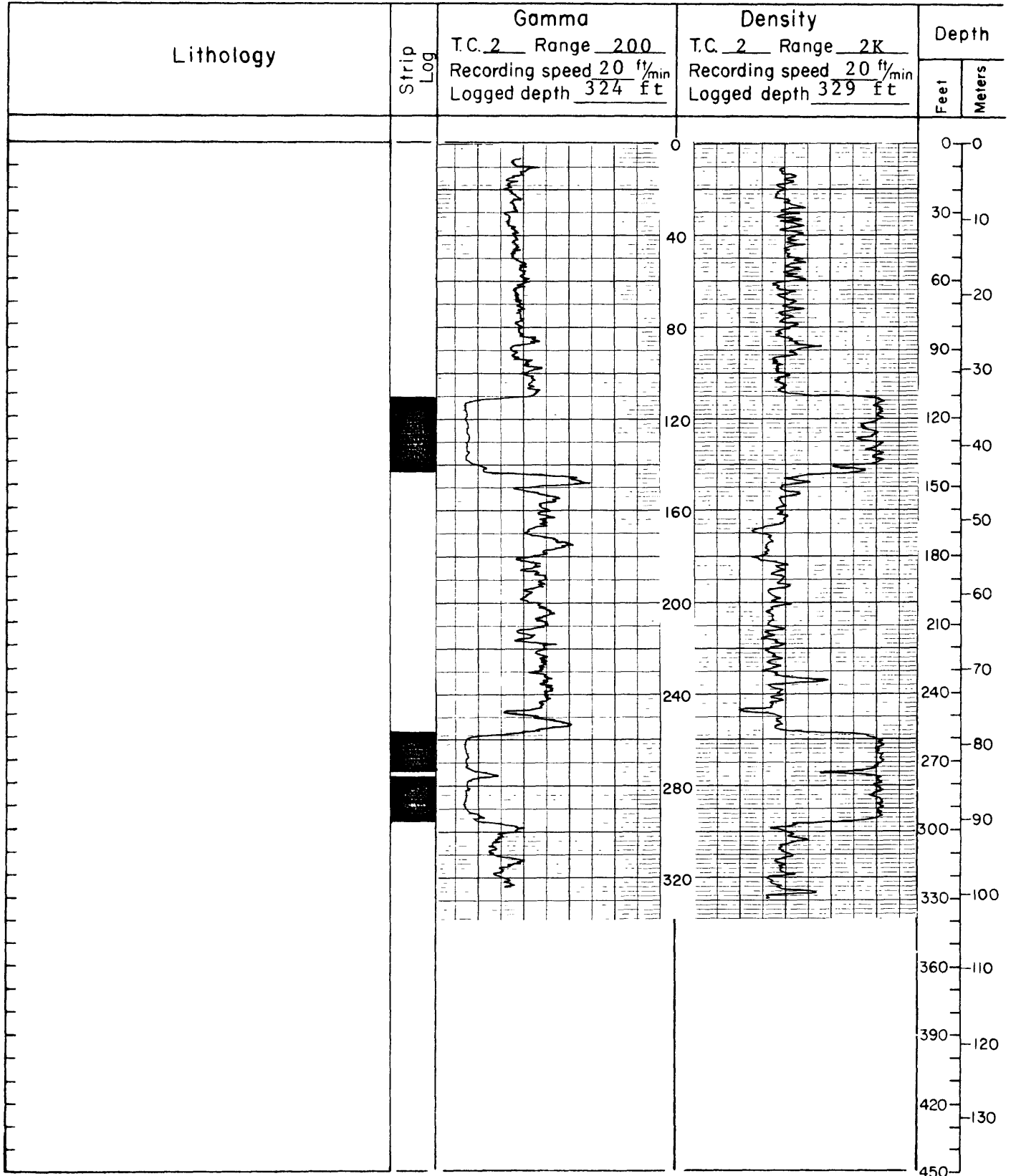
Hole no: US-77278 Map: White Tail Butte Date: 10/20/77 State: Wyoming County: Campbell  
 Elev. 4165 ft Location: T. 55 <sup>N.</sup> <sub>S.</sub>, R. 73 <sup>E.</sup> <sub>W.</sub>, Sec. 12, Tract ADAB Drilled depth: 330 ft  
 Measured 1600 ft <sup>FNL</sup> <sub>EST.</sub> 550 ft <sup>FEL</sup> <sub>FWL</sub> Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

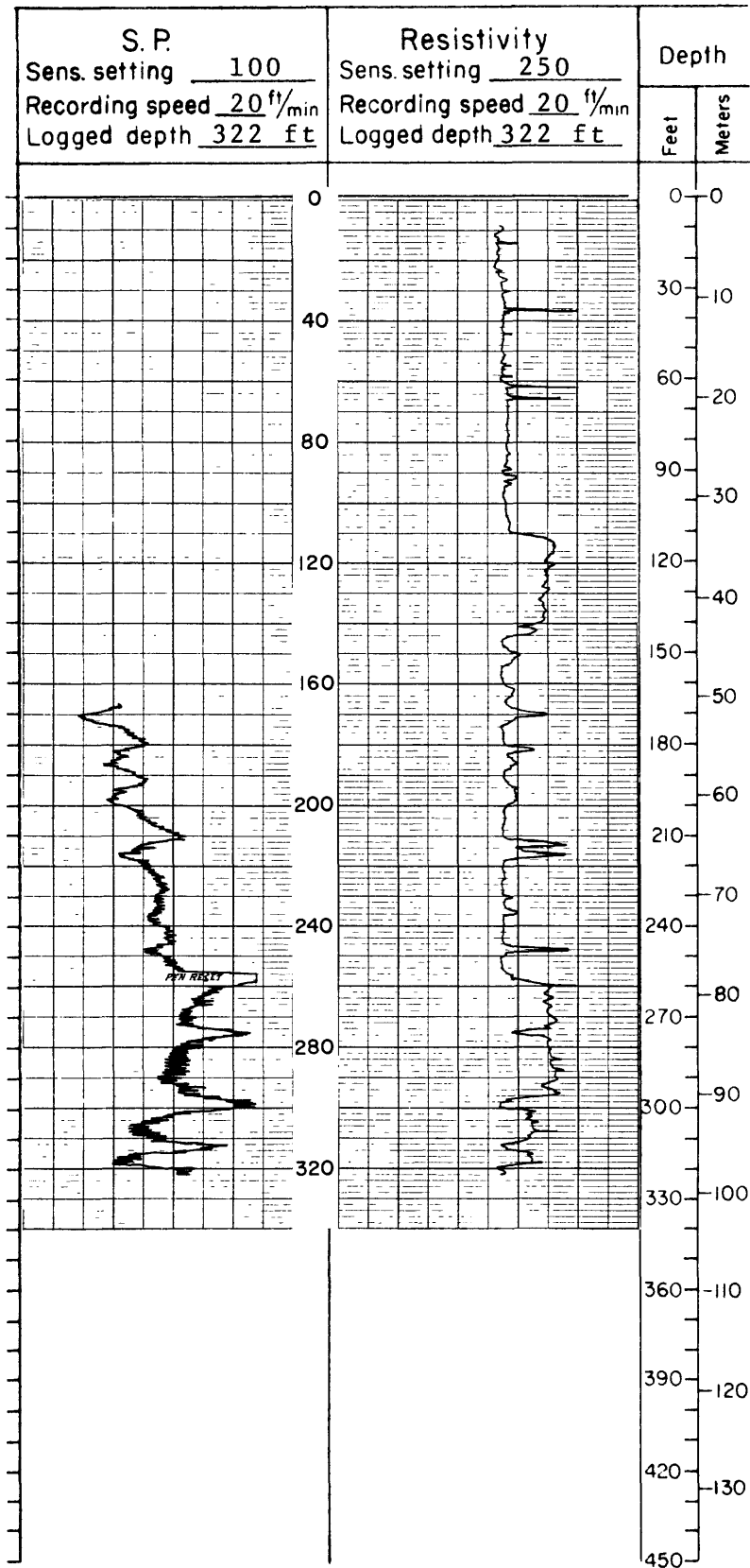
Geologist <sup>YES</sup> <sub>NO</sub>

Recorded by: L. SAUER



Hole number (continued)

US- 77278





# Montana College of Mineral Science and Technology

Hole no: US-77279 Map: Pitch Draw Date: 10/20/77 State: Wyoming County: Campbell

Elev: 4211 ft Location: T. 55 N. 8 R. 72 W. Sec. 18, Tract DCBA Drilled depth: 510 ft

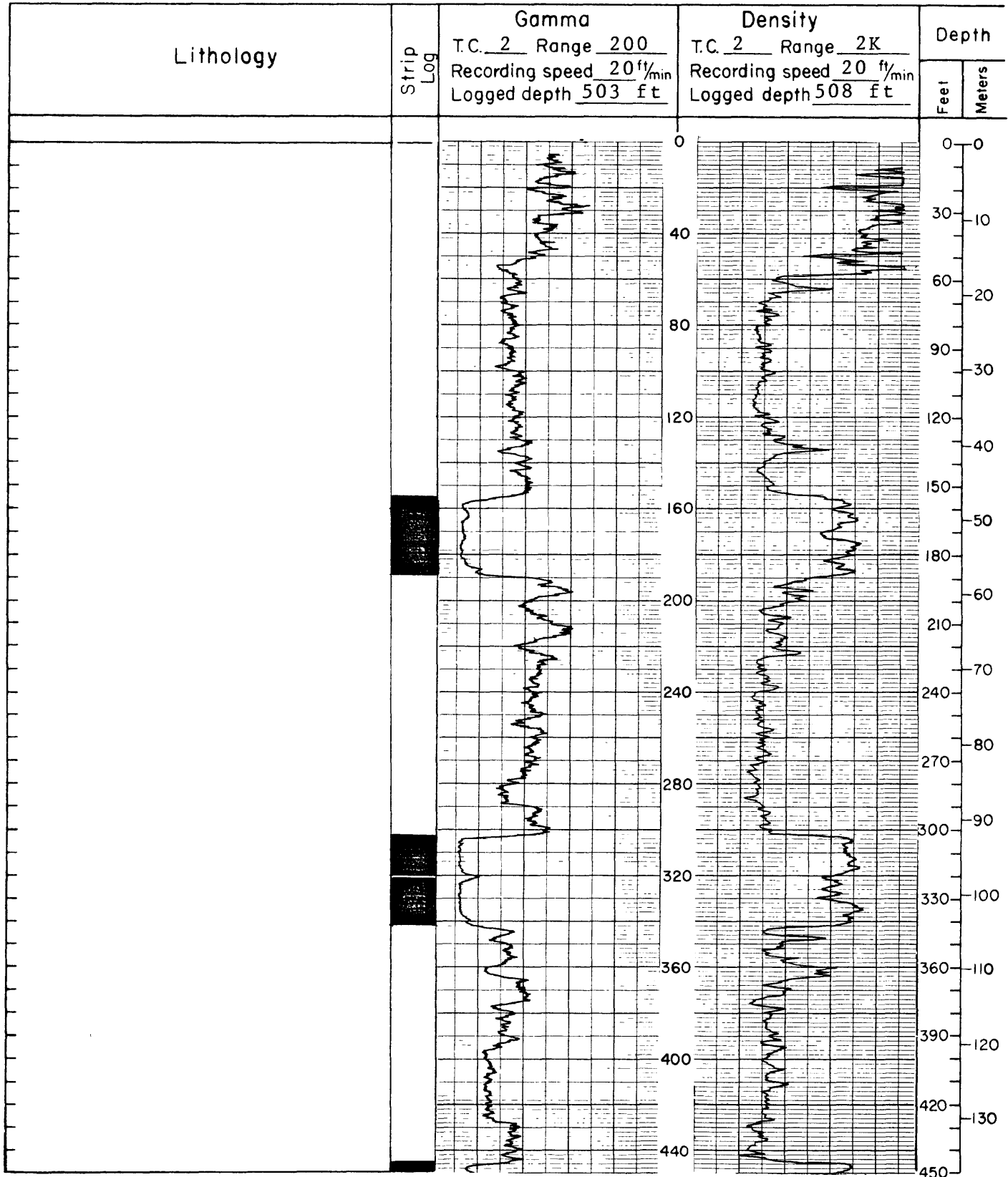
Measured: 1000 ft <sup>BWL</sup> 2150 ft <sup>FEL</sup> 2150 ft <sup>BWL</sup> Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

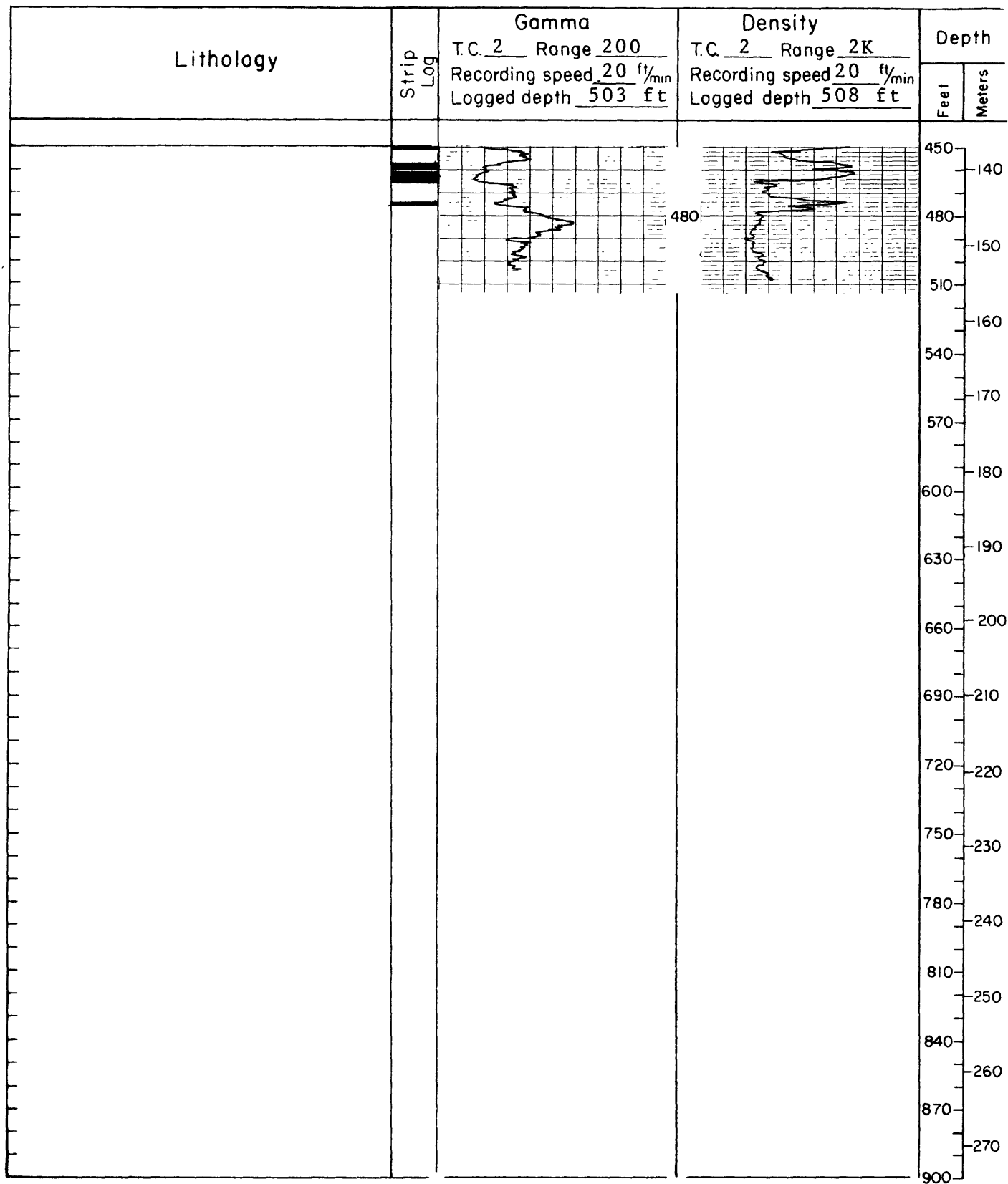
Geologist <sup>Yes</sup> ☒ <sub>No</sub> ☐

Recorded by: L. SAUER



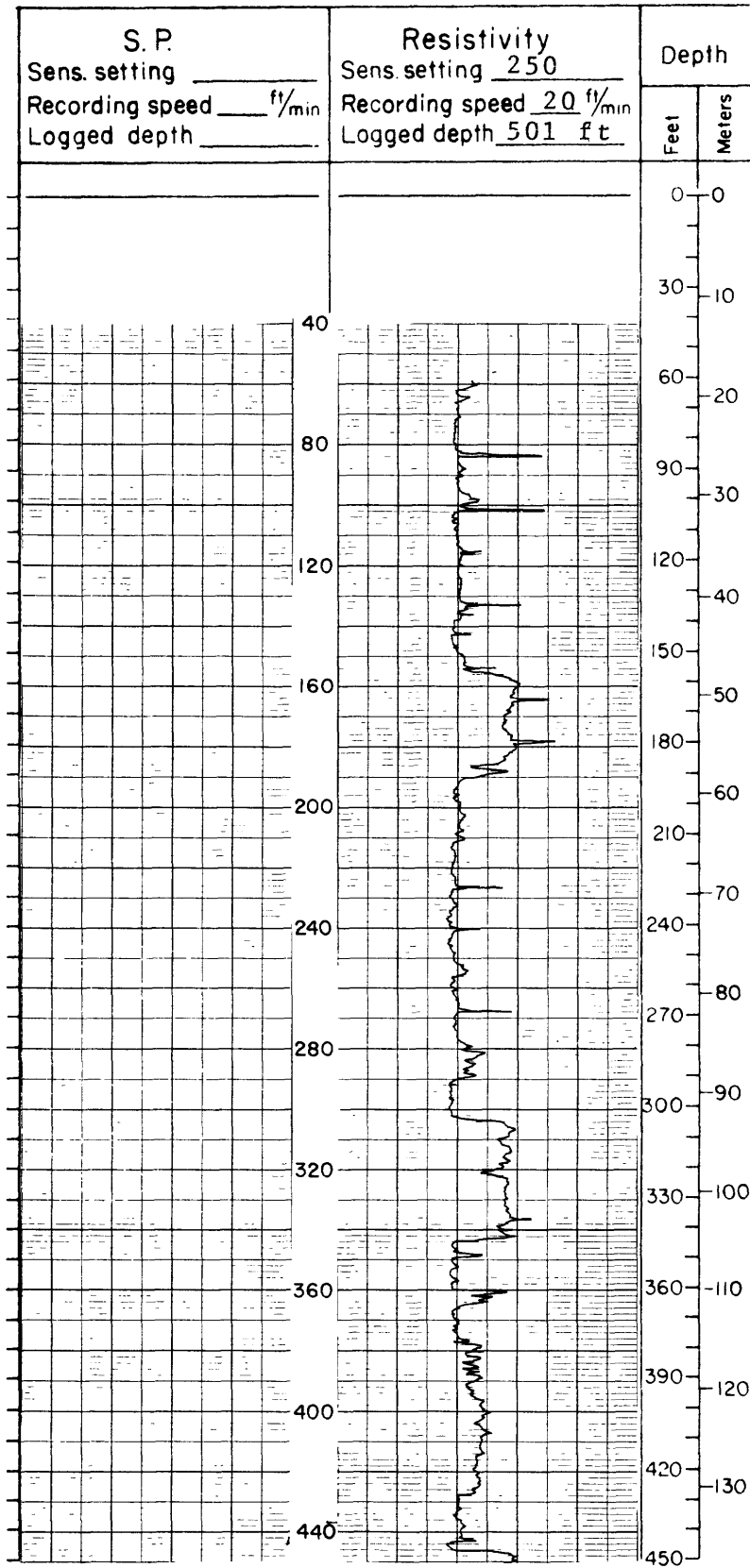
Hole number (continued)

US- 77279



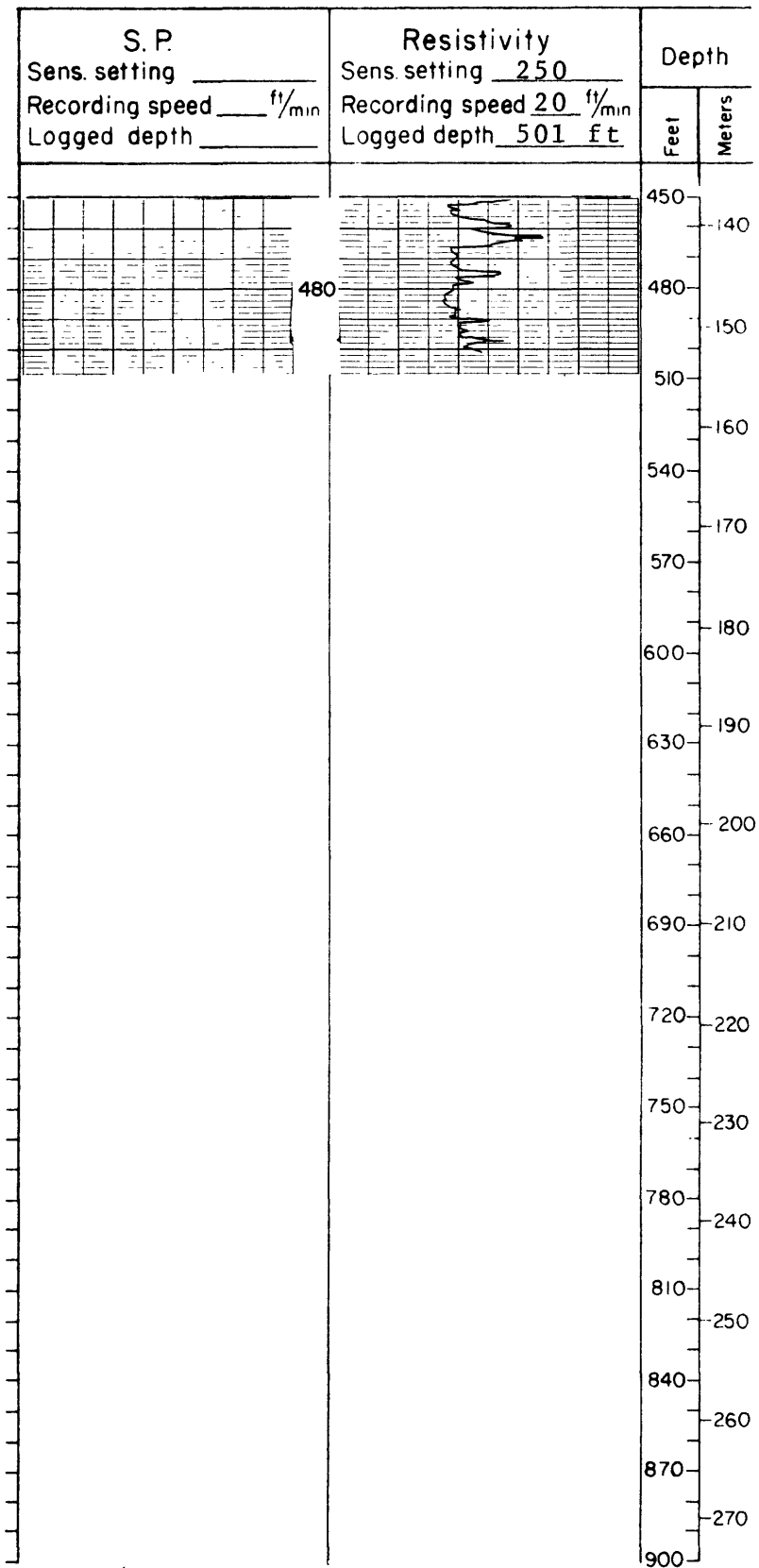
# Hole number (continued)

US- 77279



Hole number (continued)

US - 77279



# Montana College of Mineral Science and Technology

Hole no: US-77280 Map: White Tail Butte Date: 10/21/77 State: Wyoming County: Campbell

Elev: 4137 ft Location: T. 55 N. 8 R. 73 W. Sec. 1, Tract Irreg. Sec. Drilled depth: 350 ft

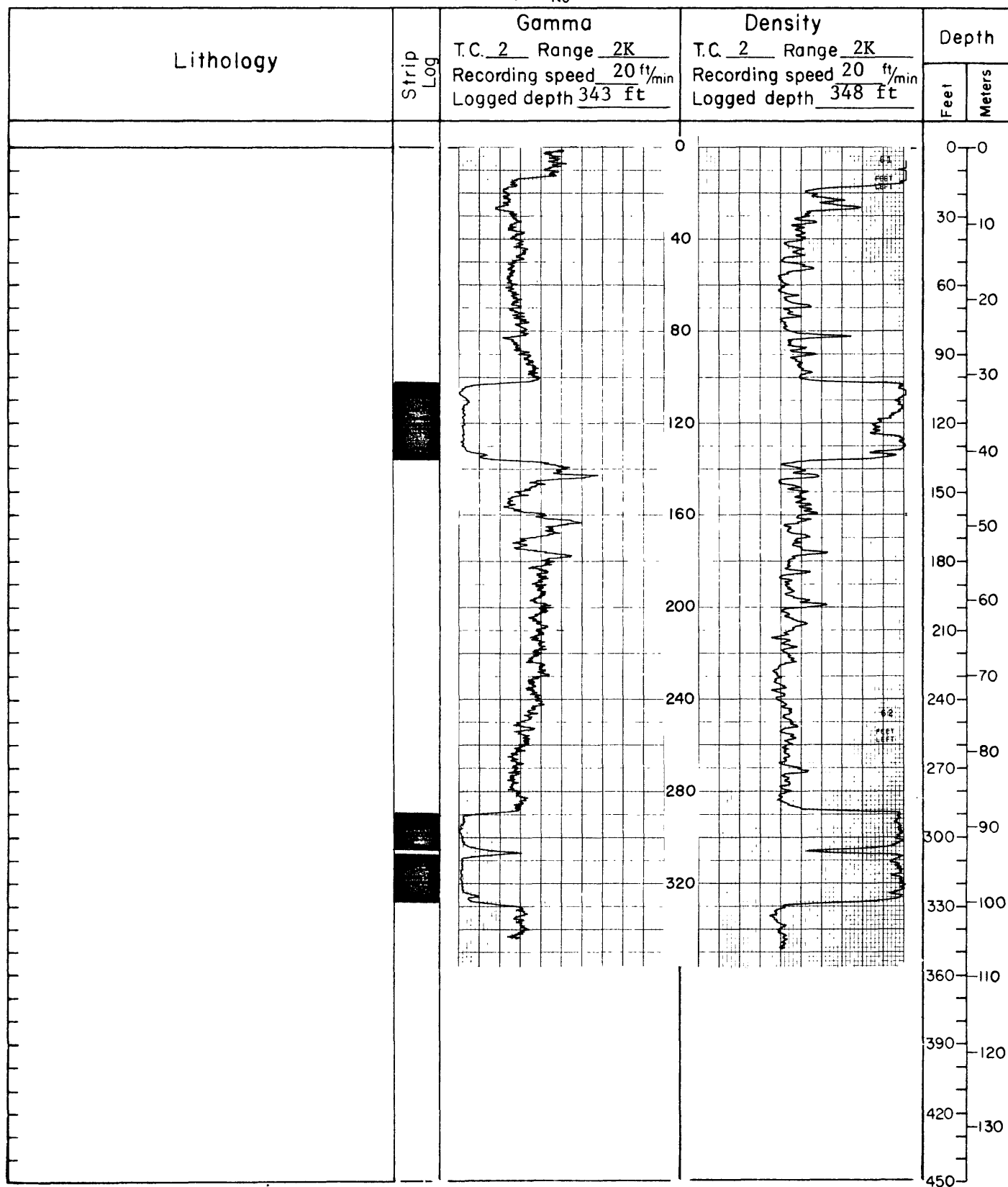
Measured: 750 ft <sup>FNL</sup> ~~788~~, 3100 ft <sup>FEL</sup> ~~3100~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist ~~xxxx~~ No

Recorded by: L. SAUER



**Montana College of Mineral Science and Technology**

Hole no: US-77281 Map: Calf Creek Date: 11/4/77 State: Wyoming County: Campbell  
 Elev.: 4326 ft Location: T. 52 N. 3 R. 72 E. W, Sec. 5, Tract CDCD Drilled depth: 50 ft  
 Measured: 200 ft ~~FSL~~ 1700 ft ~~FWL~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒  
 Remarks: Clinker hole, no geophysical logs.  
 Recorded by: K. WILLIAMS Geologist ~~Yes~~ No Recorded by: \_\_\_\_\_

Lithology	Strip Log	Gamma	Density	Depth	
		T.C. _____ Range _____ Recording speed _____ ft/min Logged depth _____	T.C. _____ Range _____ Recording speed _____ ft/min Logged depth _____	Feet	Meters
				0	0
				30	10
				60	20
				90	30
				120	40
				150	50
				180	60
				210	70
				240	80
				270	90
				300	100
				330	110
				360	120
				390	130
				420	
				450	

# Montana College of Mineral Science and Technology

Hole no: US-77282 Map: Calf Creek Date: 11/5/77 State: Wyoming County: Campbell

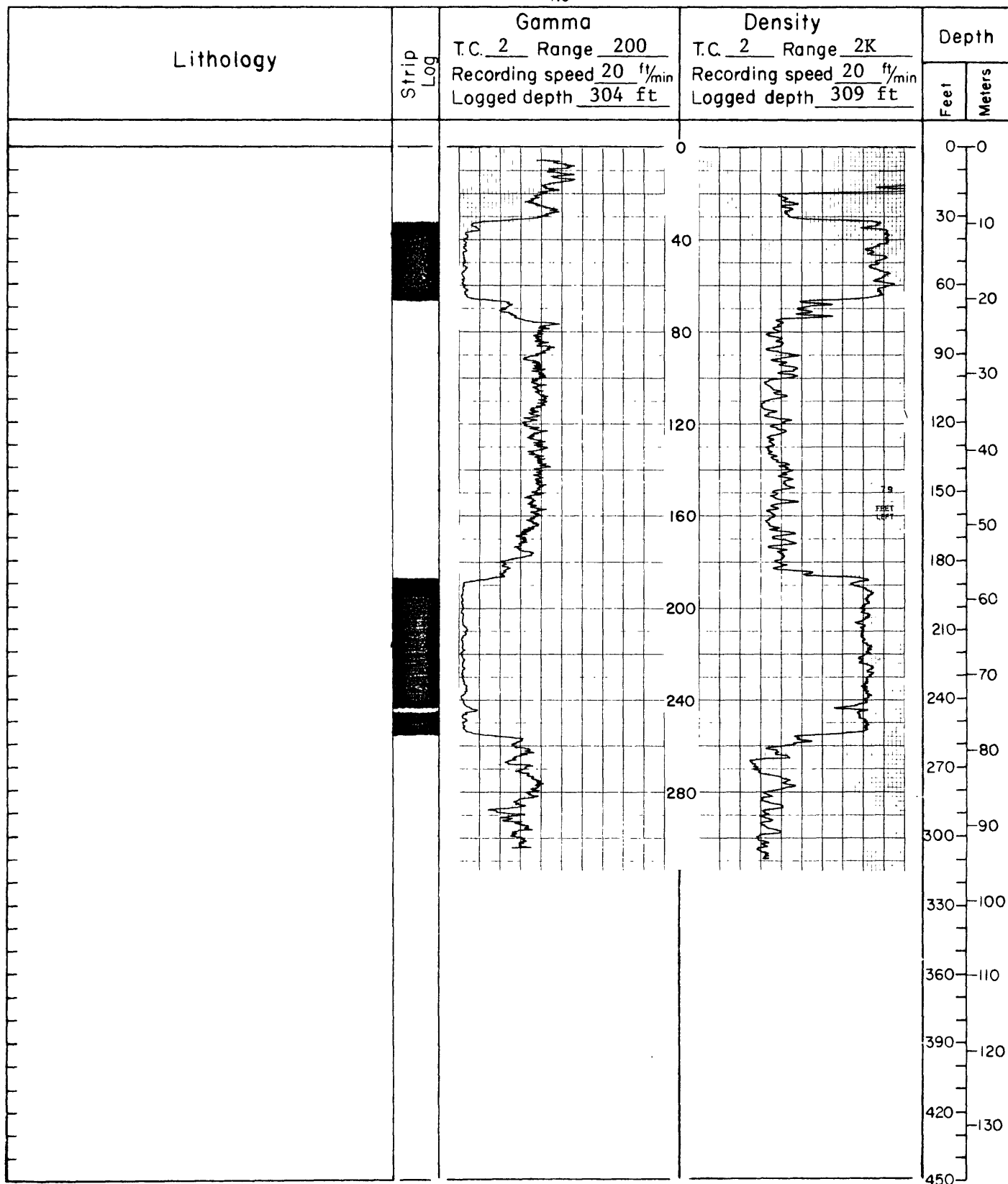
Elev: 4215 ft Location: T. 52 N. 8, R. 72 W, Sec. 5, Tract BCDB Drilled depth: 310 ft

Measured: 2100 ft FNL 875 ft FWL XXX Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist <sup>xxx</sup>No Recorded by: L. SAUER



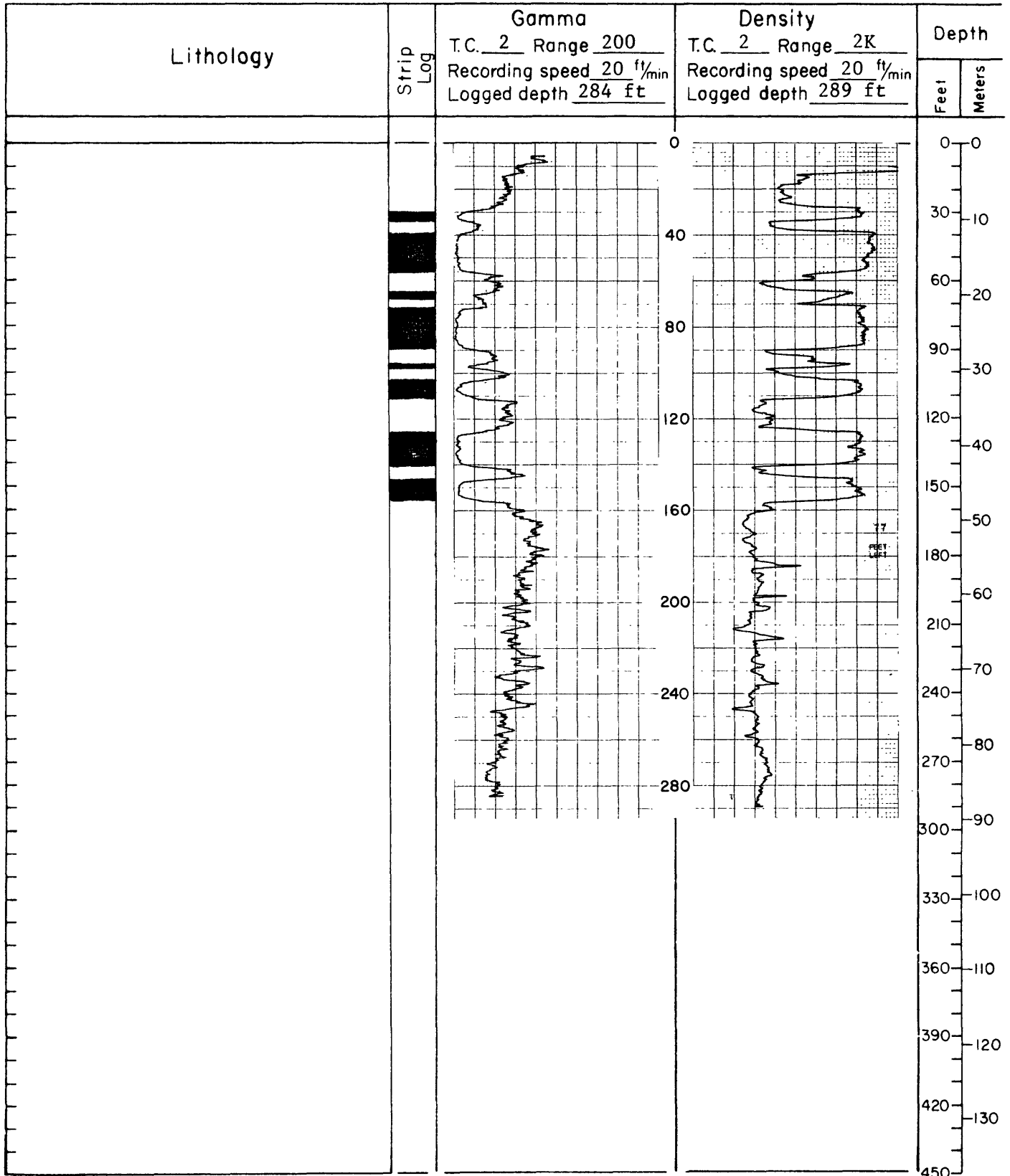
# Montana College of Mineral Science and Technology

Hole no: US-77283 Map: Calf Creek Date: 11/5/77 State: Wyoming County: Campbell  
 Elev.: 4090 ft Location: T. 53 N. 8, R. 72 W. Sec. 29, Tract BDBC Drilled depth: 290 ft  
 Measured: 1675 ft FNL 1500 ft FWL XXXX Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist ~~No~~ <sup>XXXX</sup> Recorded by: L. SAUER





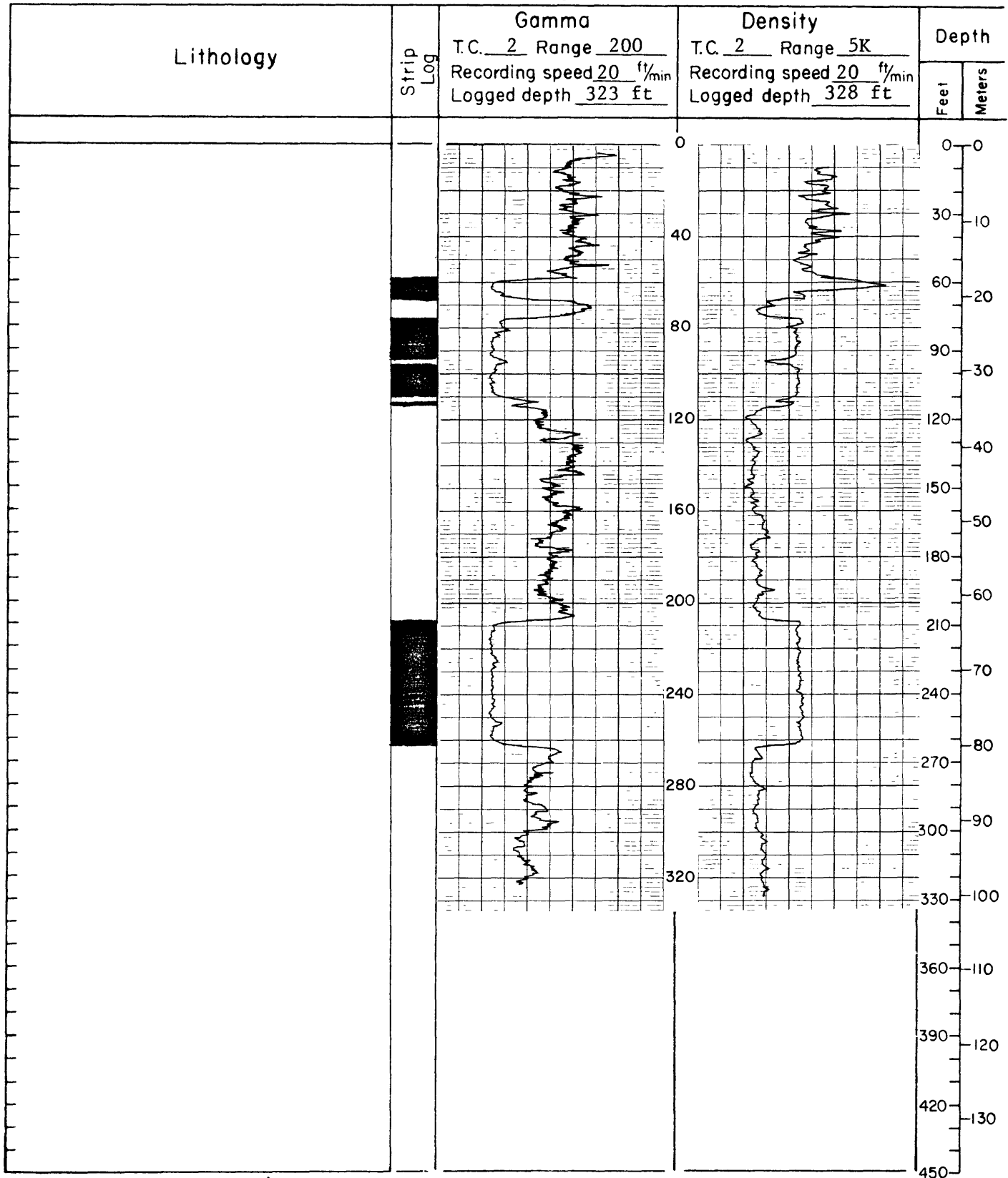
# Montana College of Mineral Science and Technology

Hole no: US-77284 Map: Calf Creek Date: 11/6/77 State: Wyoming County: Campbell  
 Elev.: 4151 ft Location: T. 53 <sup>N.</sup> <sub>S.</sub>, R. 72 <sup>E.</sup> <sub>W.</sub>, Sec. 31, Tract BAAC Drilled depth: 330 ft  
 Measured: 400 ft <sup>FNL</sup> ~~BSL~~, 2300 ft <sup>FWL</sup> ~~XXX~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: L. SAUER

Geologist ~~XXX~~ No \_\_\_\_\_ Recorded by: L. SAUER



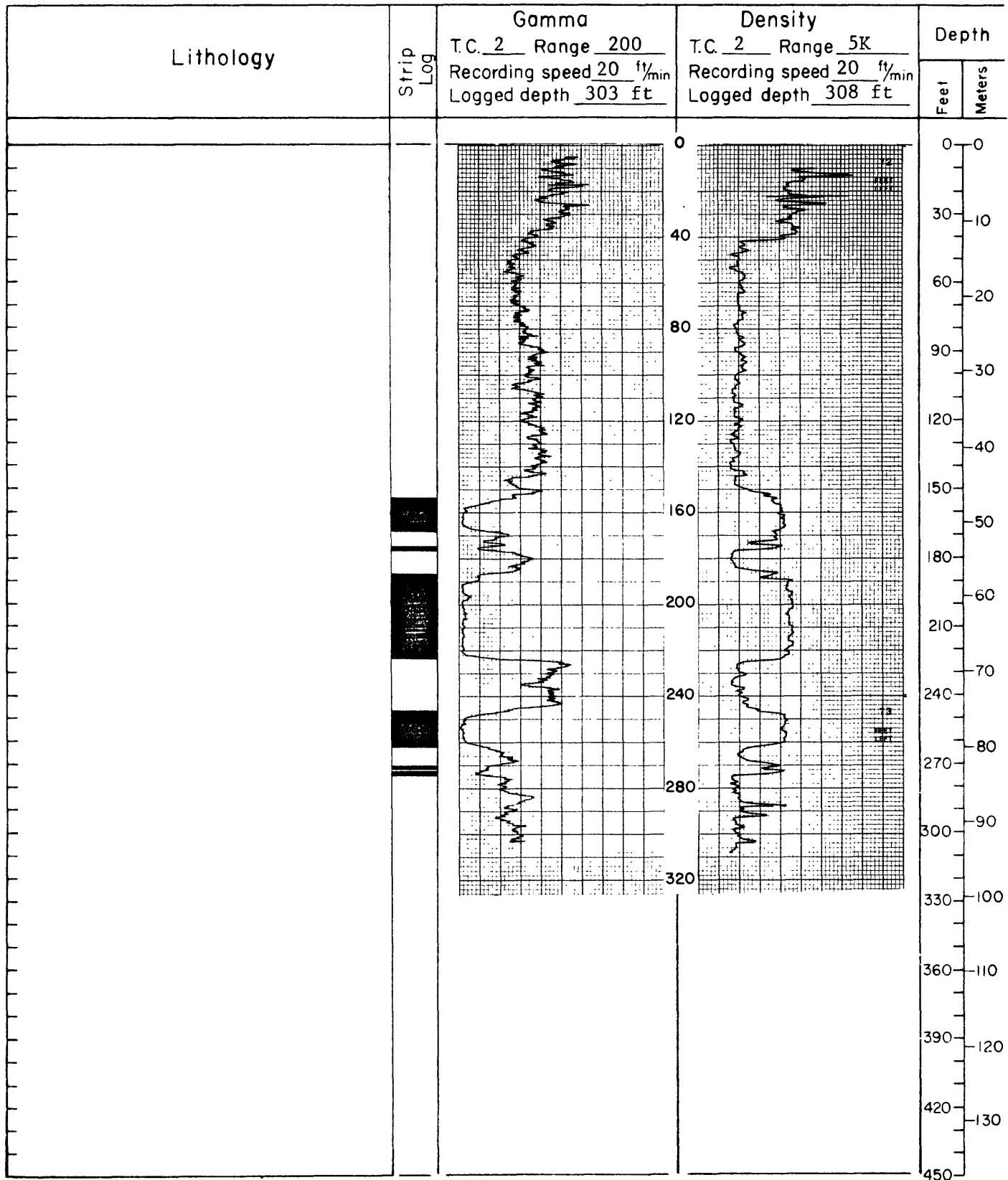
# Montana College of Mineral Science and Technology

Hole no: US-77285 Map: Pitch Draw Date: 11/6/77 State: Wyoming County: Campbell  
 Elev: 4185 ft Location: T. 54 N. 8, R. 73 W, Sec. 25, Tract DCBA Drilled depth: 310 ft  
 Measured: 1050 ft ~~FEL~~ ~~RWK~~ PSL 2300 ft ~~FEL~~ ~~RWK~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist ~~Yes~~ No Recorded by: L. SAUER



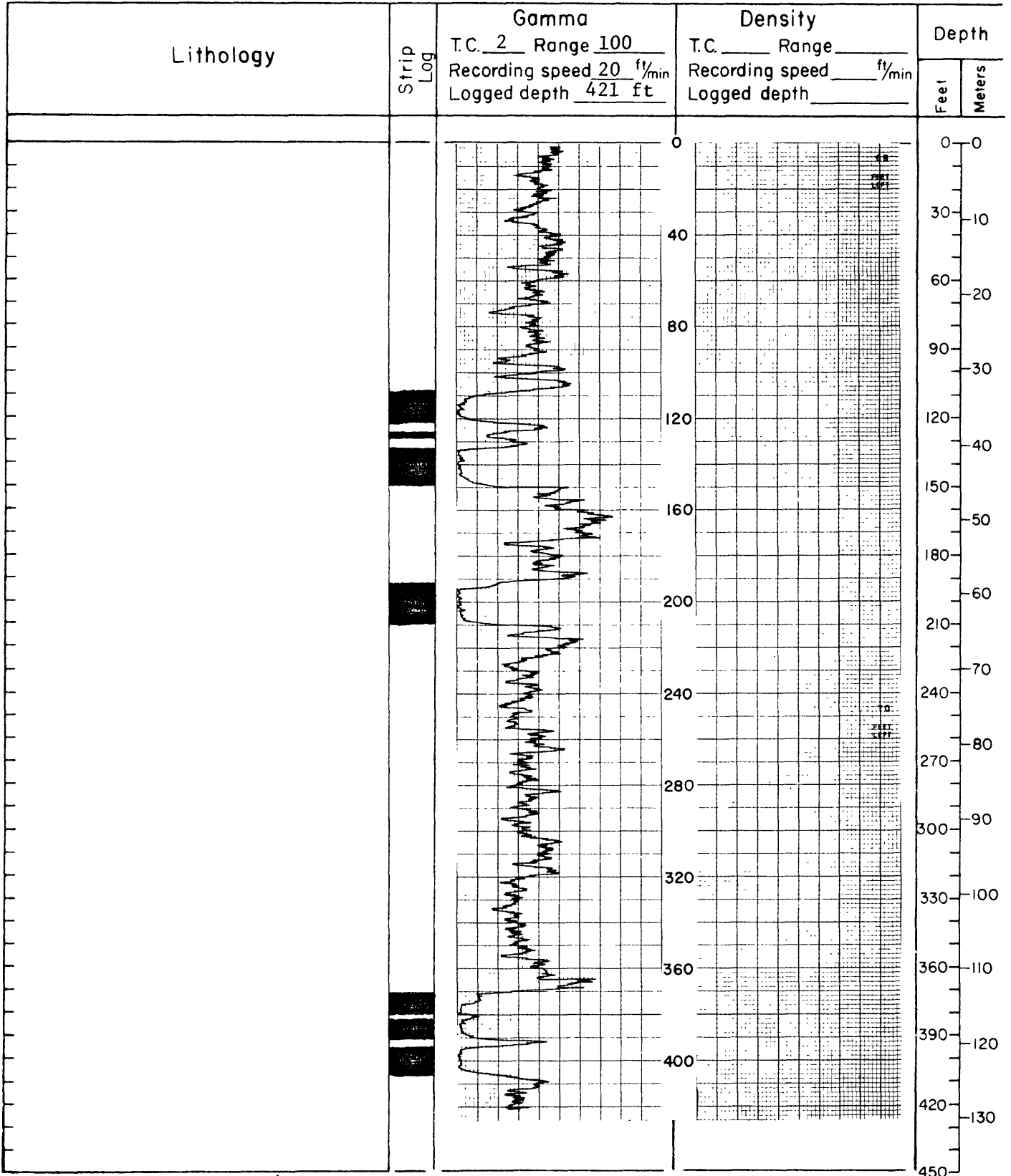
# Montana College of Mineral Science and Technology

Hole no: US-77286 Map: Recluse Date: 11/6/77 State: Wyoming County: Campbell  
 Elev.: 4043 ft Location: T. 54 N. R. 73 W. Sec. 28, Tract DBDA Drilled depth: 430 ft  
 Measured: 1550 ft ~~FSL~~ 1800 ft ~~FEL~~ ~~FWT~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: L. SAUER

Geologist <sup>xxx</sup>No \_\_\_\_\_ Recorded by: L. SAUER



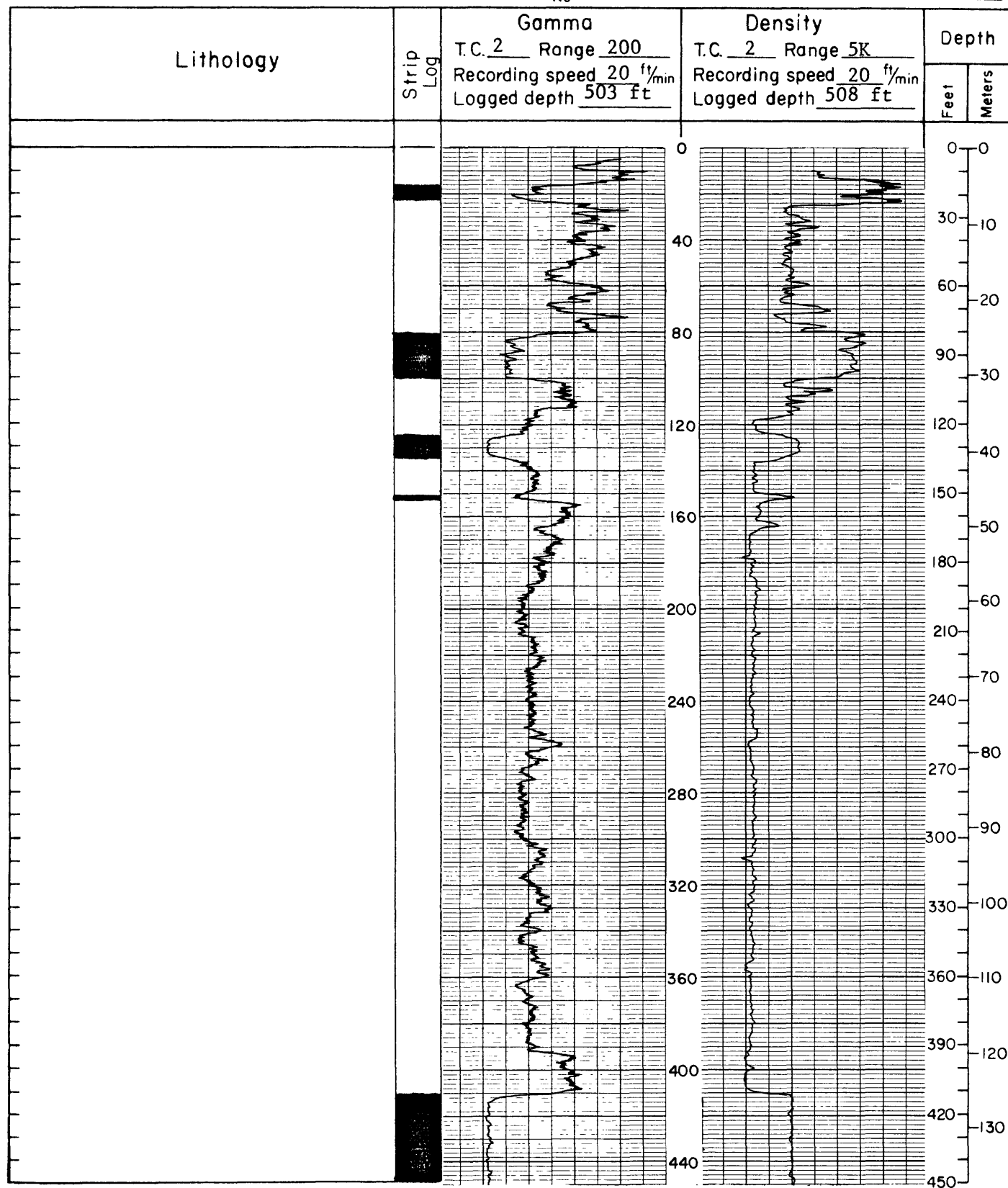
# Montana College of Mineral Science and Technology

Hole no: US-77287 Map: Calf Creek Date: 11/7/77 State: Wyoming County: Campbell  
 Elev.: 4151 ft Location: T. 53 N. 8 R. 73 E. Sec. 26, Tract CCCD Drilled depth: 510 ft  
 Measured: 250 ft ~~KMS~~ 460 ft ~~FSL~~ ~~FWL~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

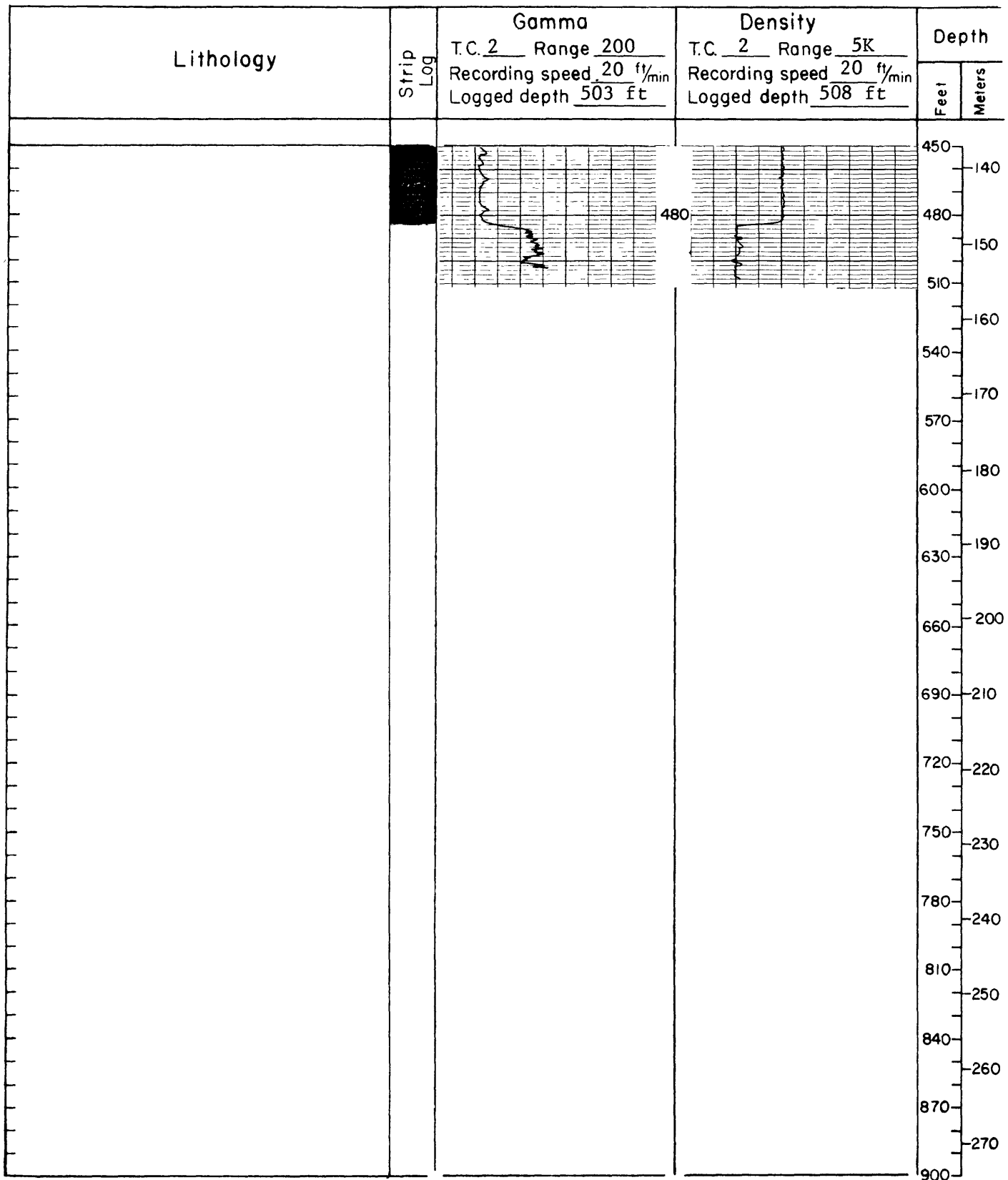
Recorded by: L. SAUER

Geologist ~~Yes~~ No Recorded by: L. SAUER



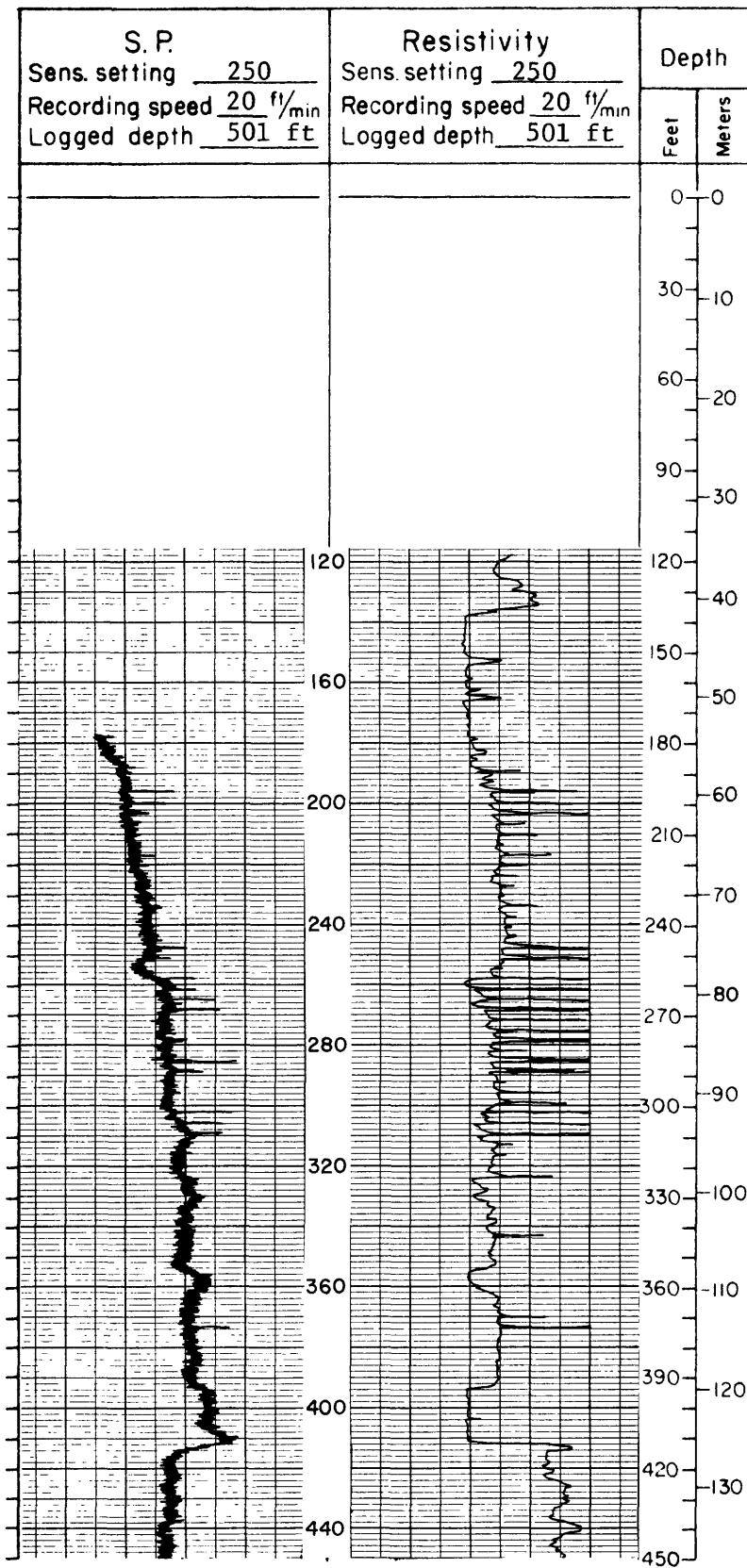
Hole number (continued)

US- 77287



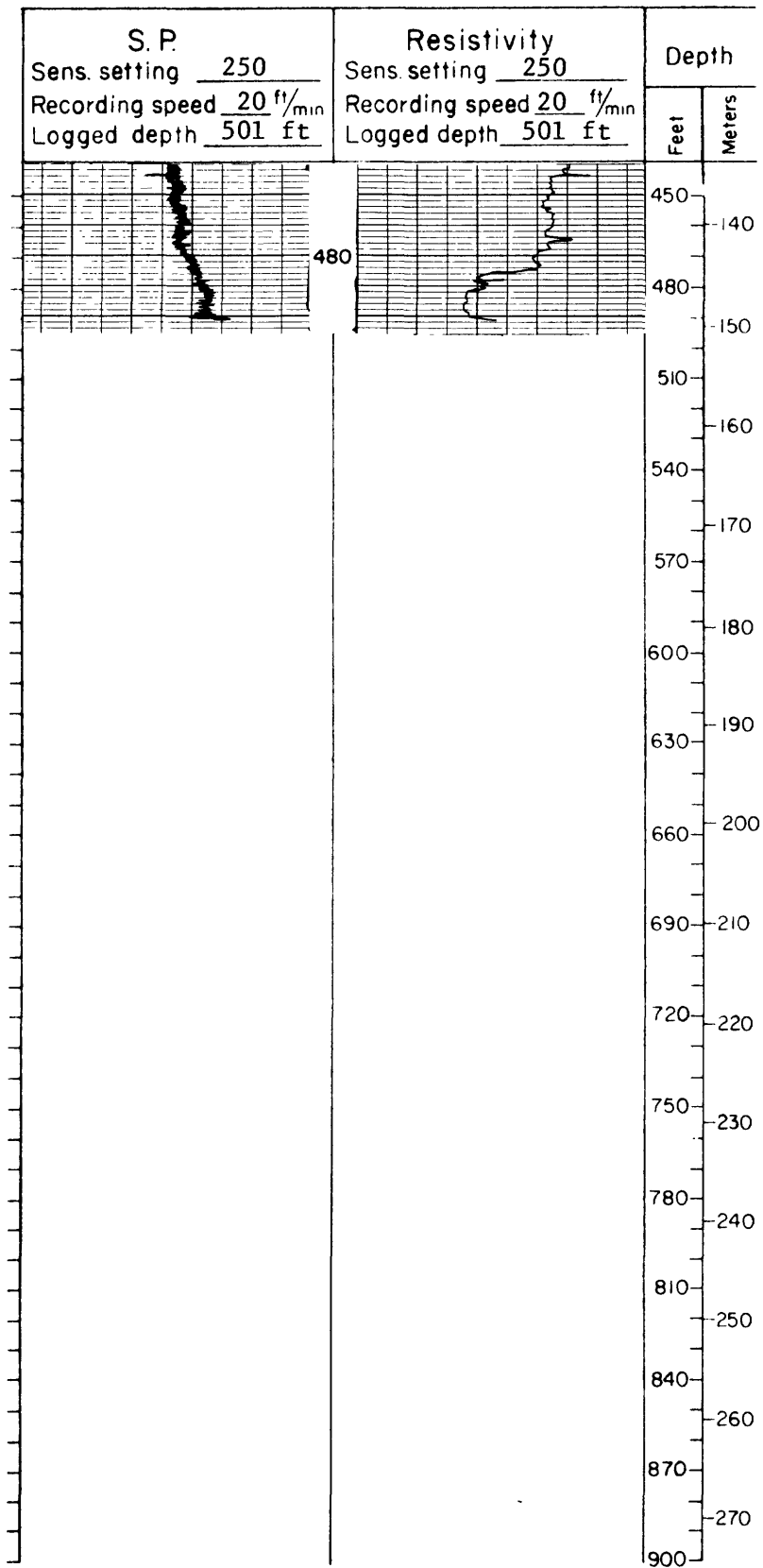
Hole number (continued)

US - 77287



Hole number (continued)

US - 77287



# Montana College of Mineral Science and Technology

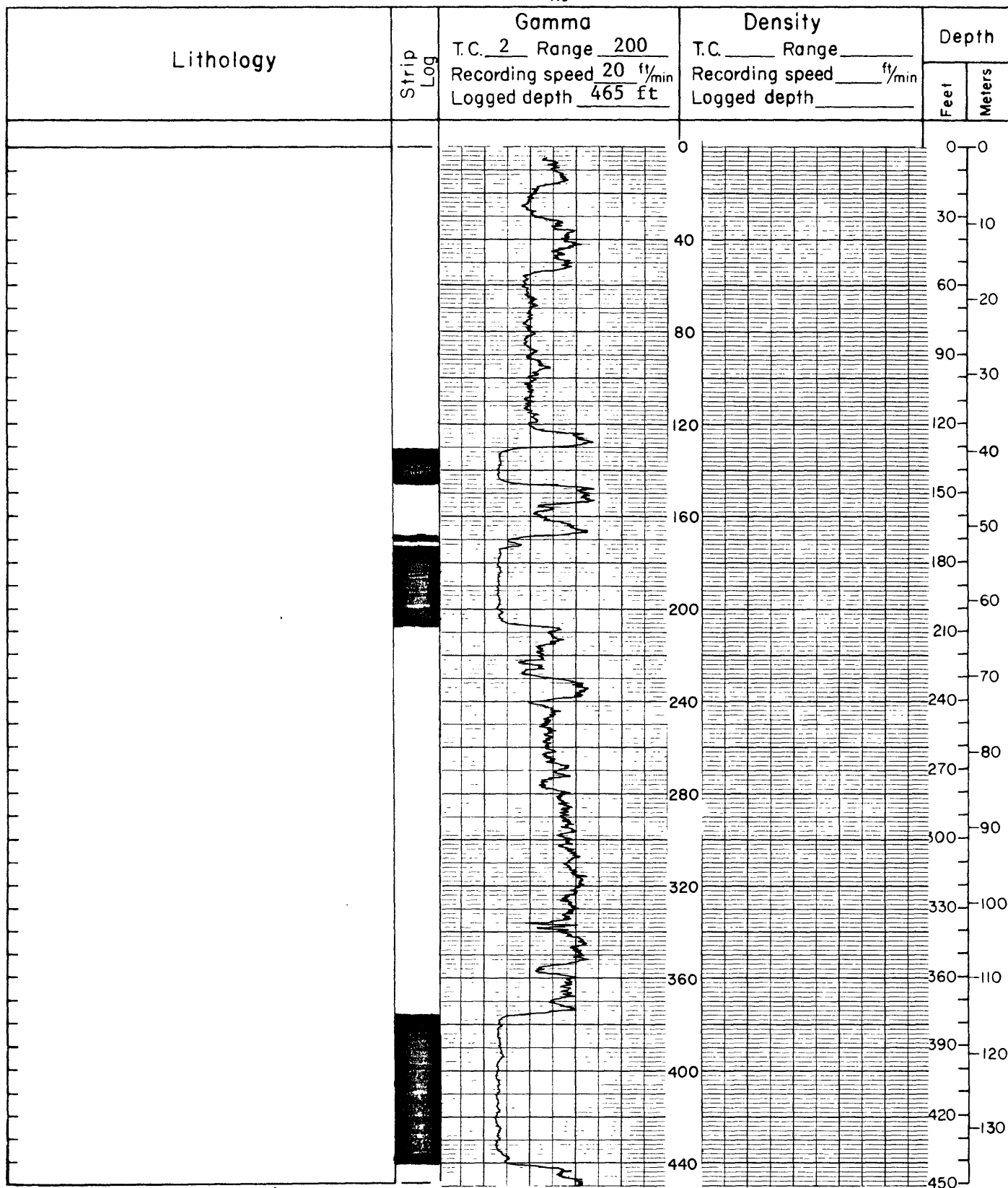
Hole no: US-77288 Map: Calf Creek Date: 11/7/77 State: Wyoming County: Campbell  
 Elev.: 4125 ft Location: T. 52 N. R. 73 W., Sec. 11, Tract BCCA Drilled depth: 470 ft  
 Measured: 2200 ft ~~FNL~~ 350 ft ~~FWL~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: L. SAUER

Geologist ~~xxx~~ No

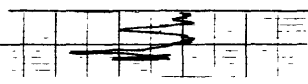

Recorded by: L. SAUER





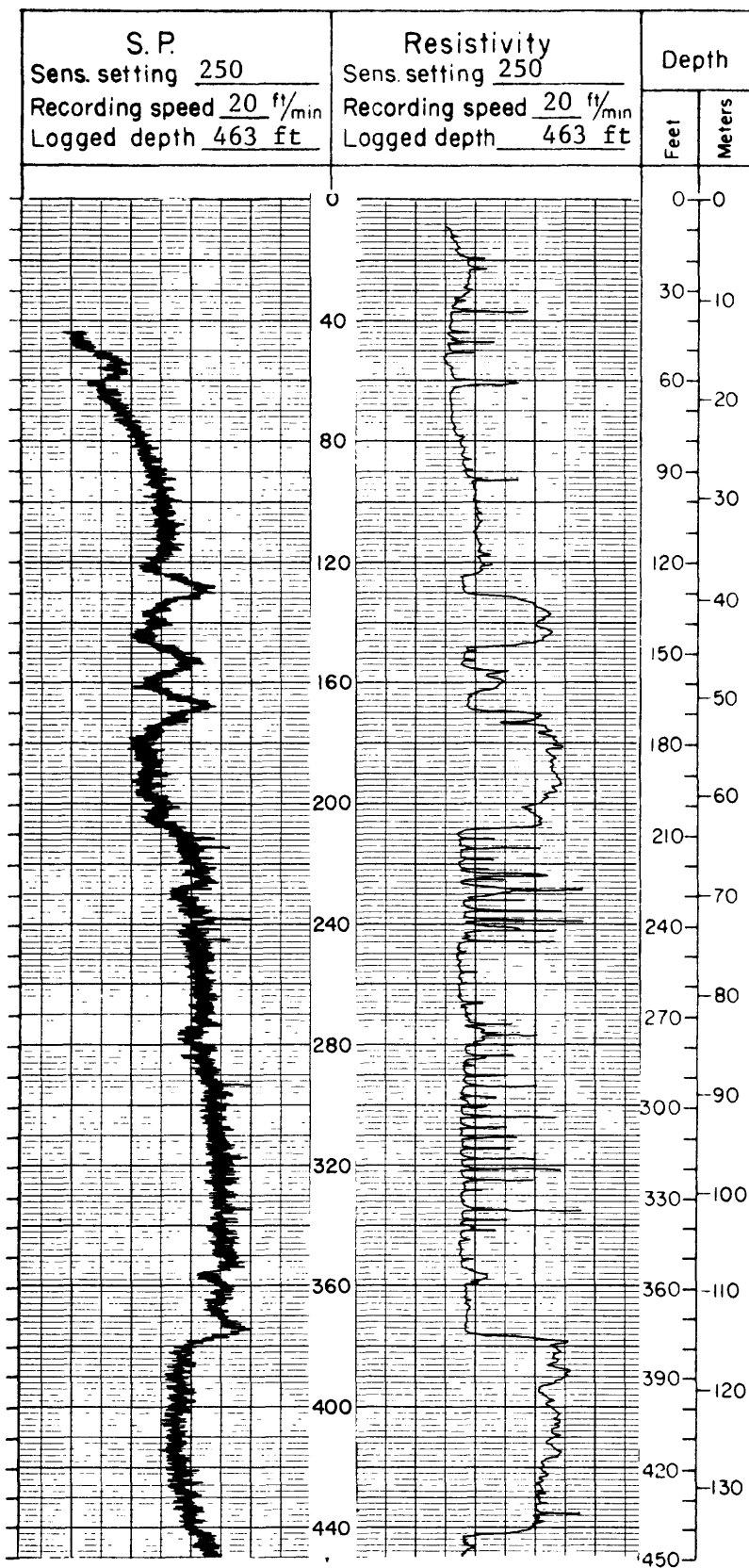
Hole number (continued)

US - 77288

Lithology	Strip Log	Gamma	Density	Depth	
		T.C. <u>2</u> Range <u>200</u> Recording speed <u>20</u> ft/min Logged depth <u>465</u> ft	T.C. _____ Range _____ Recording speed _____ ft/min Logged depth _____	Feet	Meters
				450	140
				480	150
				510	160
				540	170
				570	180
				600	190
				630	200
				660	210
				690	220
				720	230
				750	240
				780	250
				810	260
				840	270
				870	
				900	

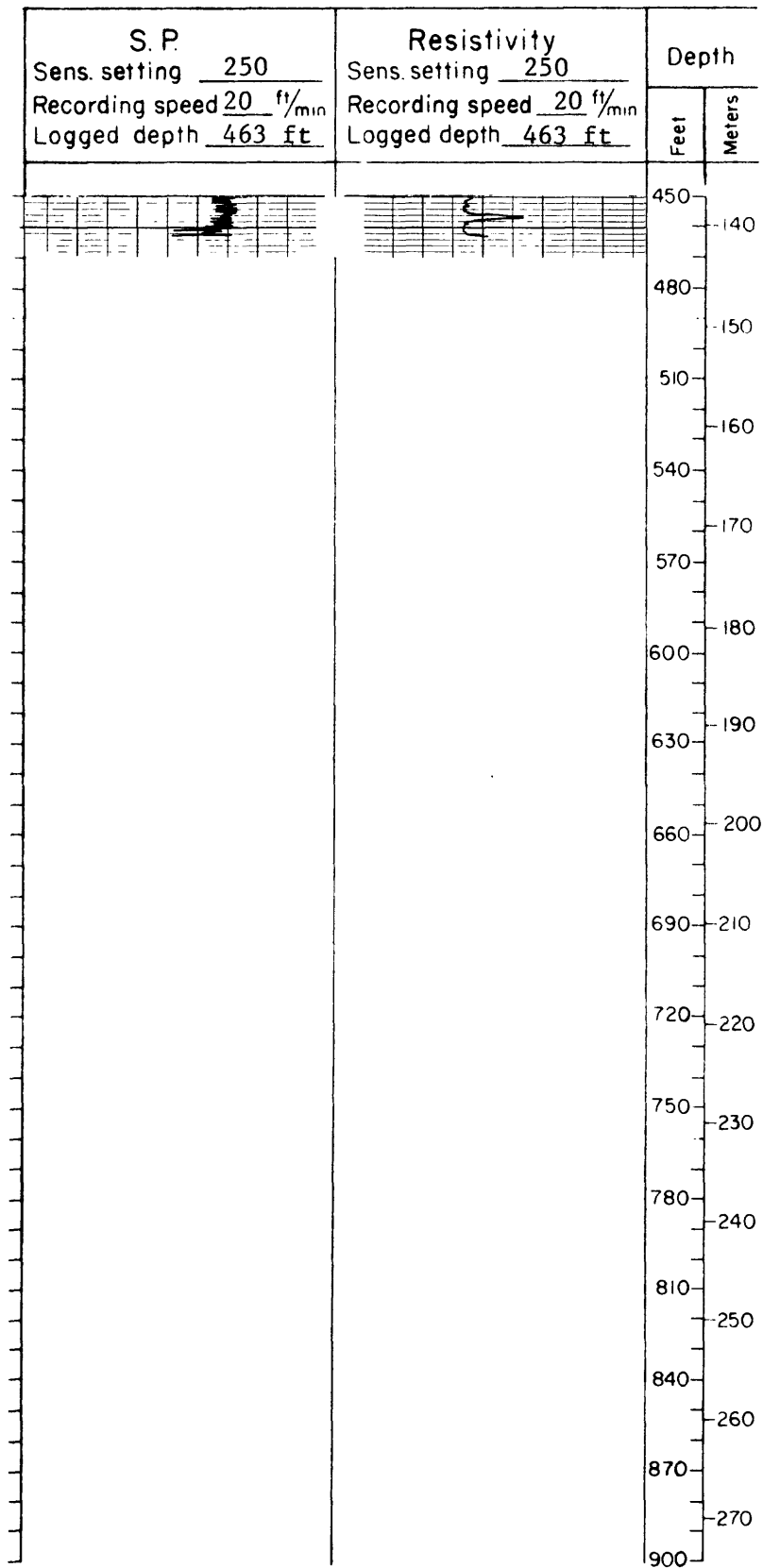
# Hole number (continued)

US - 77288



Hole number (continued)

US - 77288



Hole no: US-77289 Map: Calf Creek Date: 11/8/77 State: Wyoming County: Campbell  
Elev: 4200 ft Location: T. 52 N. 8, R. 73 W., Sec. 12, Tract BDBD Drilled depth: 470 ft  
Measured: 1800 ft FNL 1800 ft FWL FWL Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒


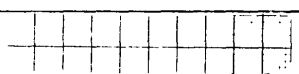
Recorded by: L. SAUER

Geologist ~~X26~~ No. 26 Recorded by: L. SAUER



Hole number (continued)

US - 77289

Lithology	Strip Log	Gamma	Density	Depth	
		T.C. <u>2</u> Range <u>100</u> Recording speed <u>20</u> ft/min Logged depth <u>462</u> ft	T.C. _____ Range _____ Recording speed _____ ft/min Logged depth _____	Feet	Meters
				450	140
				480	150
				510	160
				540	170
				570	180
				600	190
				630	200
				660	210
				690	220
				720	230
				750	240
				780	250
				810	260
				840	270
				870	
				900	

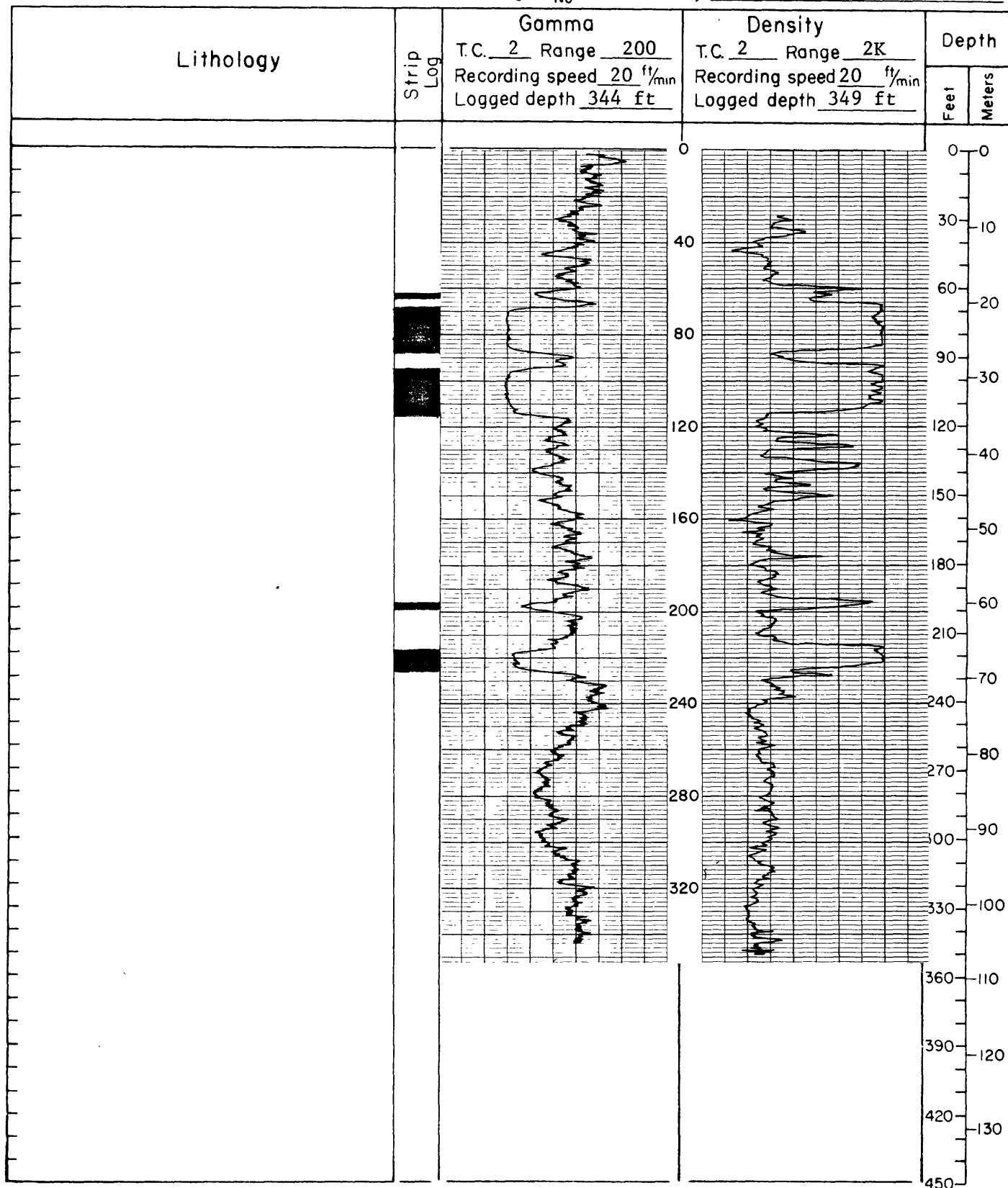
# Montana College of Mineral Science and Technology

Hole no: US-77290 Map: White Tail Butte Date: 11/8/77 State: Wyoming County: Campbell  
 Elev.: 4031 ft Location: T. 55 N. 8, R. 72 W., Sec. 5, Tract BADC Drilled depth: 350 ft  
 Measured: 1000 ft <sup>FNL</sup> ~~RSX~~, 2000 ft <sup>FWL</sup> ~~REX~~ Hole size: 5 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: \_\_\_\_\_

Recorded by: K. WILLIAMS

Geologist <sup>XXXX</sup> No \_\_\_\_\_ Recorded by: K. WILLIAMS



E200

## References

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- \_\_\_\_\_ 1974, Preliminary report of coal drill-hole data and chemical analyses of coal beds in Campbell County, Wyoming: U.S. Geol. Survey Open-File Report 74-97, 241 p., 1 fig., 3 tables.
- \_\_\_\_\_ 1976a, Preliminary report of coal drillhole data and chemical analyses of coal beds in Campbell and Sheridan Counties, Wyoming; Custer, Prairie, and Garfield Counties, Montana; and Mercer County, North Dakota: U.S. Geol. Survey Open-File Report 76-319, 377 p., 4 figs., 3 tables.
- \_\_\_\_\_ 1976b, Preliminary report of coal drill-hole data and chemical analyses of coal beds in Campbell, Converse, and Sheridan Counties, Wyoming; and Big Horn, Richland, and Dawson Counties, Montana: U.S. Geol. Survey Open-File Report 76-450, 382 p., 4 figs.
- \_\_\_\_\_ 1977a, Preliminary report of 1976 drilling of coals in Campbell, and Sheridan Counties, Wyoming; and Big Horn, Dawson, McCone, Richland, Roosevelt, Rosebud, Sheridan and Wibaux Counties, Montana: U.S. Geological Survey Open-File Report 77-283, 403 P., 6 figs.

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\_\_\_\_\_ 1977c, Geophysical logs for Big Horn County, Montana, chapter B of Preliminary report of 1977 coal drilling in eastern Montana and northeastern Wyoming: U.S. Geol. Survey Open-File Report 77-721-B, 126 p.

\_\_\_\_\_ 1978a, Geophysical logs for Powder River and Dawson Counties, Montana, chapter C of Preliminary report of 1977 coal drilling in eastern Montana and northeastern Wyoming: U.S. Geol. Survey Open-File Report 77-721-C, 79 p.

\_\_\_\_\_ 1978b, Geophysical logs for Dawson, Garfield, McCone, and Prairie Counties, Montana, chapter D of Preliminary report of 1977 coal drilling in eastern Montana and northeastern Wyoming: U.S. Geol. Survey Open-File Report 77-721-D, 101 p.

U. S. Geological Survey and North Dakota Geological Survey, 1976, Preliminary report on 1975 drilling of lignites in western North Dakota: Adams, Bowman, Dunn, Hettinger, McLean, Mercer, Oliver, Slope, and Williams Counties: U.S. Geol. Survey Open-File Report 76-869, 144 p., 5 figs.

\_\_\_\_\_ 1977, Preliminary report on 1976 lignite drilling in western North Dakota: Adams, Billings, Dunn, Hettinger, McKenzie, Mercer, Morton, Oliver, Slope, and Stark Counties: U.S. Geol. Survey Open-File Report 77-857, 336 p., 5 figs.