

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

GEOPHYSICAL LOGS FOR BIG HORN COUNTY, MONTANA

Chapter B 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-B

1977

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 northeast 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

GEOPHYSICAL LOGS FOR BIG HORN COUNTY, MONTANA

INTRODUCTION AND ACKNOWLEDGMENTS

This report is the second in a series on the 1977 drilling program (hole nos. 7738-7798) being conducted by the Montana Bureau of Mines and Geology (MBMG) under Grant nos. 14-08-0001-G-384 and 14-08-0001-G-441 from the U.S. Geological Survey (USGS). Other chapters will follow as the data are received.

The drilling is being done as part of a USGS program to evaluate and classify mineral lands in the public domain. Similar information from 630 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, USGS/NDGS 1976, 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. Trace element analyses will be done by V. E. Swanson, USGS.

Fieldwork was carried out by the following MBMG personnel: Robert E. Matson, Chief, Energy Division; Miller Hansen and John Pinchock, geologists; and Leigh Sauer and H. Jensen, technicians. Coordination and technical guidance were provided by Robert E. Matson, MBMG, and Elmer M. Schell, USGS.

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Montana College of Mineral Science and Technology

Hole no: US-7738 Map: Kirby Date: 5/29/77 State: Montana County: Big Horn
 Elev.: 4255 ft Location: T. 6 ^{N.}_{S.}, R. 39 ^{E.}_{W.}, Sec. 23, Tract CABA Drilled depth: 20 ft
 Measured: 2350 ft ^{FSL}_{FWL}, 1700 ft ^{FSL}_{FWL} Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒
 Remarks: No geophysical logs; clinker hole.

Recorded by: J. PINCHOCK

Geologist ^{Yes}_{No}

Recorded by: L. SAUER

Lithology	Strip Log	Gamma	Density	Depth	
		T.C. _____ Range _____ Recording speed _____ f/min Logged depth _____	T.C. _____ Range _____ Recording speed _____ f/min Logged depth _____	Feet	Meters
Clinker				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		

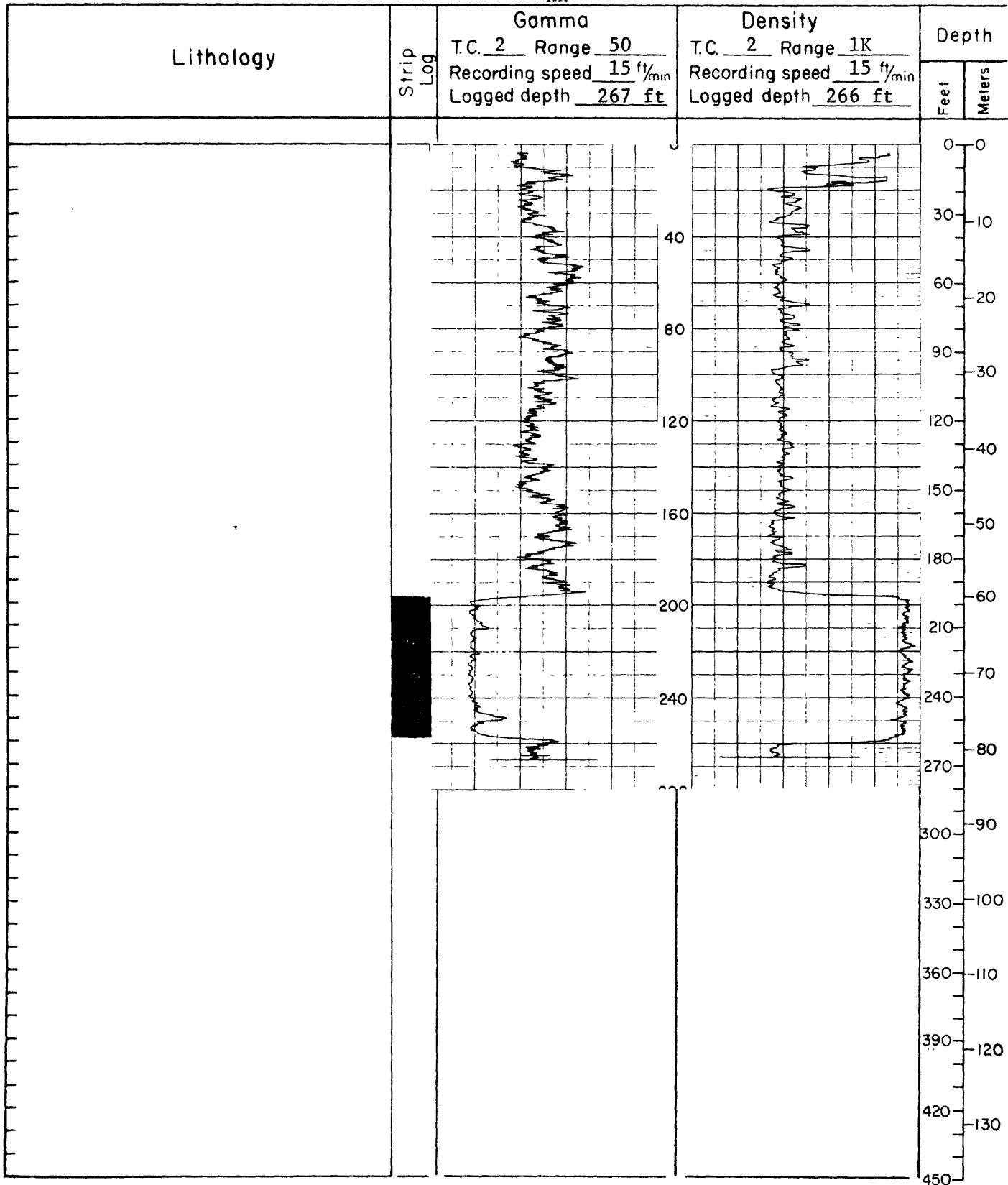
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Hole no: US-7739 Map: Taintor Desert Date: 6/16/78 State: Montana County: Big Horn
 Elev.: 3710 ft Location: T. 6 ^N_S, R. 40 ^E_W Sec. 26, Tract DDDC Drilled depth: 268 ft
 Measured: 200 ft ^{FSL}~~FSL~~, 460 ft ^{FEL}~~RWX~~ Hole size: 4 3/4 in Air ☐ Water ☒ Cored: Yes ☐ No ☐

Remarks: _____

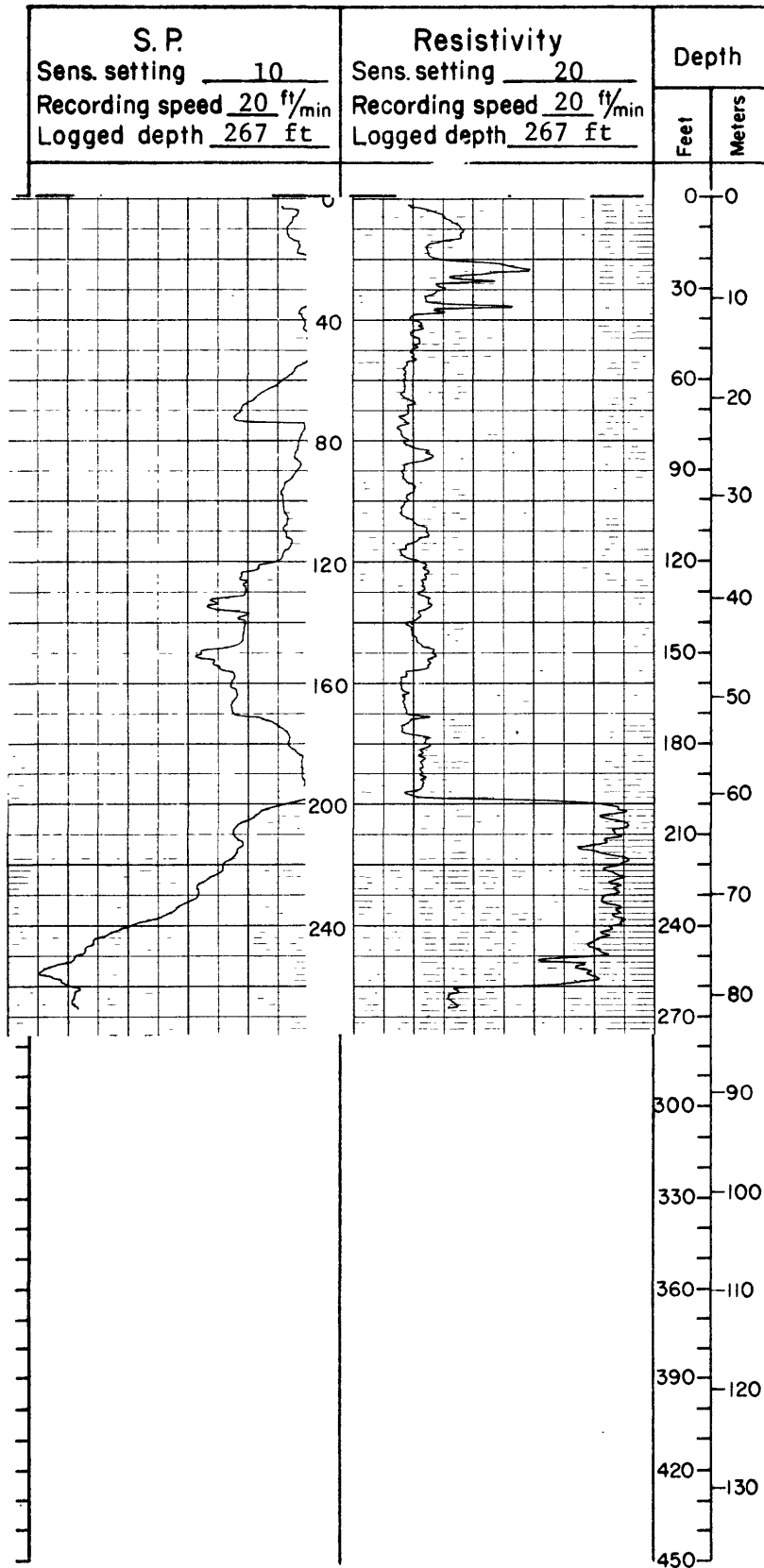
Recorded by: J. PINCHOCK

Geologist ^{Yes}~~No~~ Recorded by: L. SAUER



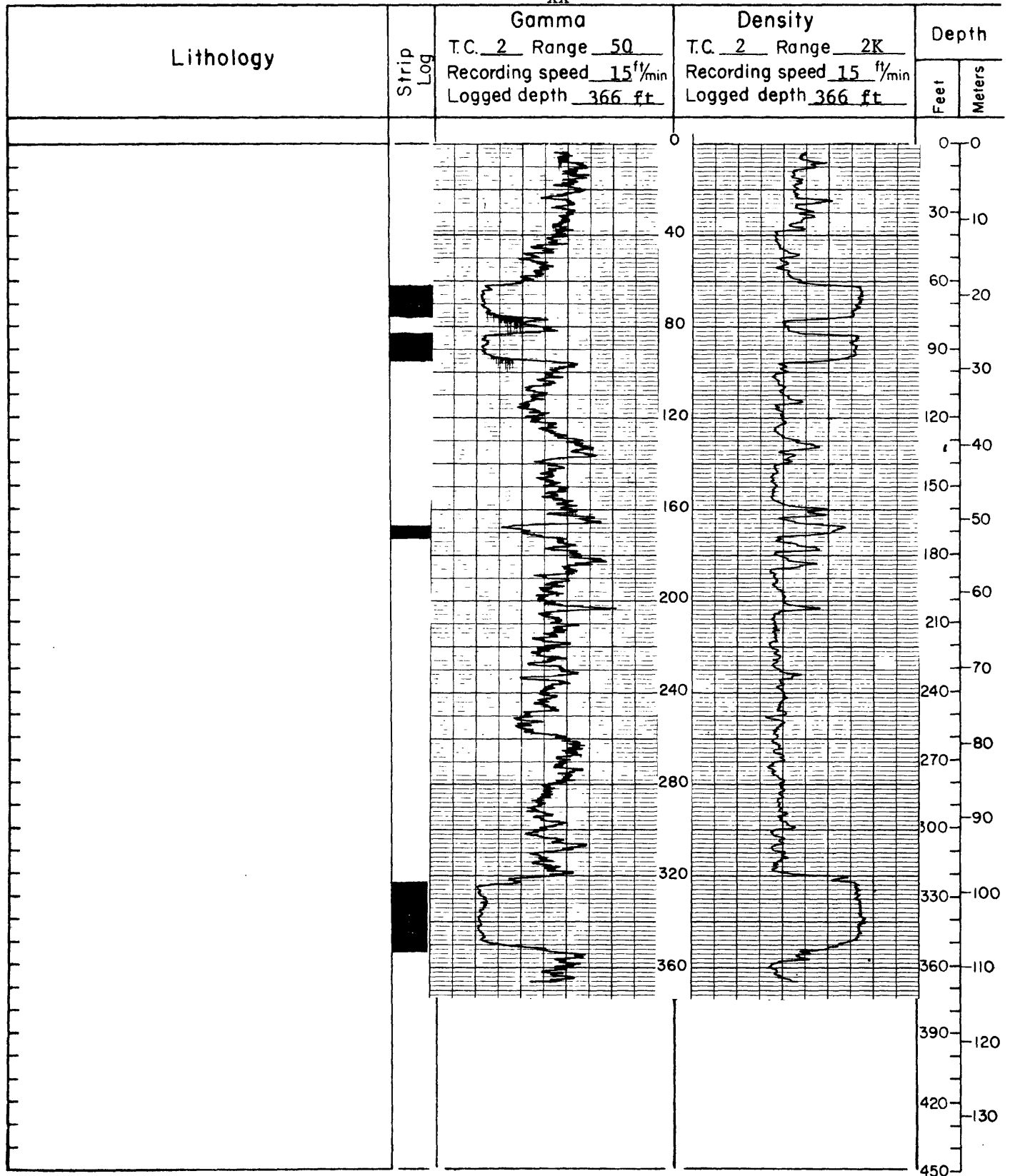
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US - 7739



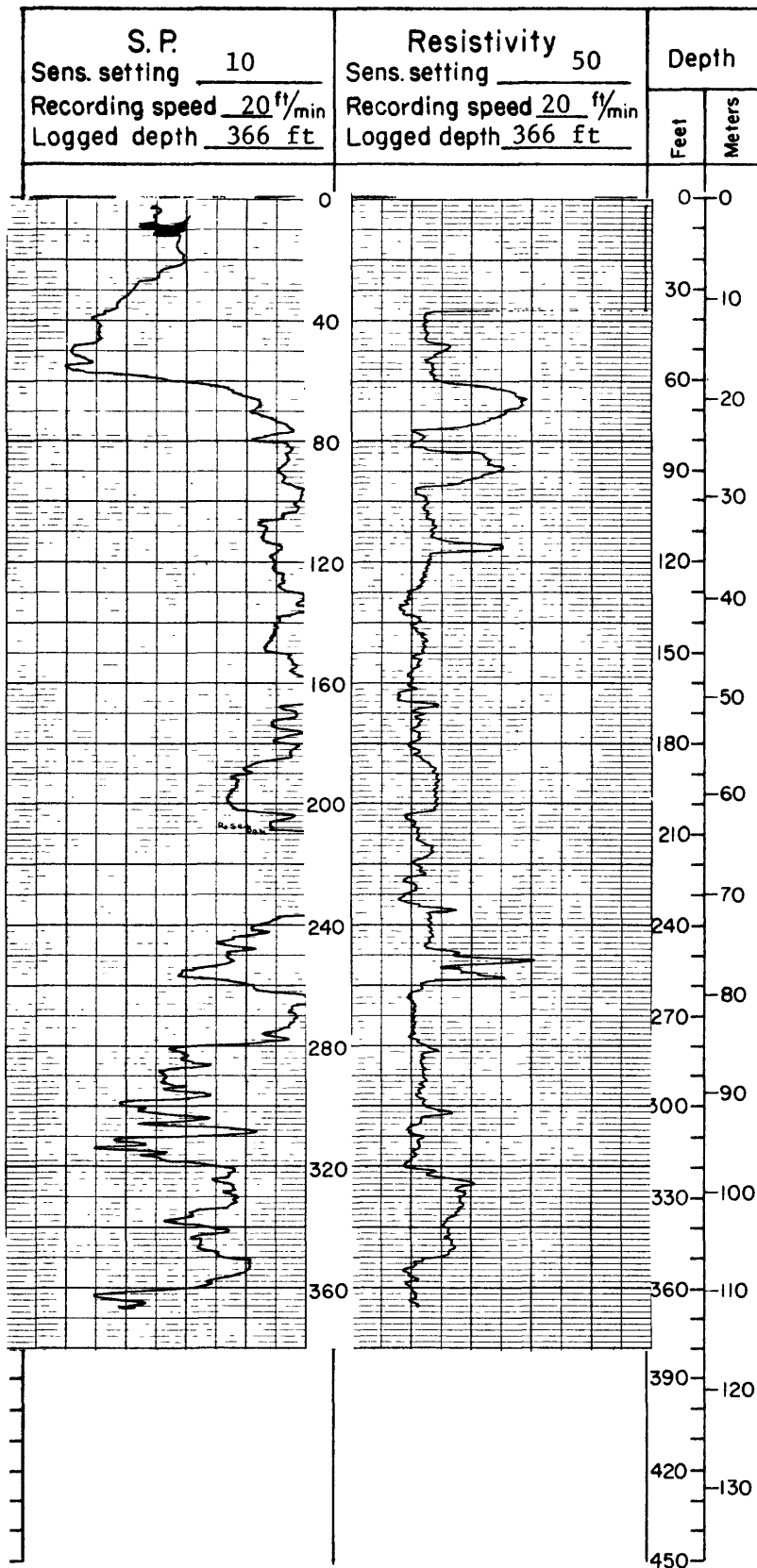
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Hole no: HS-7740 Map: Kirby Date: 6/17/78 State: Montana County: Big Horn
 Elev: 4355 ft Location: T. 6 ^N_S, R. 39 ^E_W Sec. 26, Tract AABB Drilled depth: 366 ft
 Measured: 55 ft ^{FNL}_{BSX} 1315 ft ^{FEL}_{BSX} Hole size: 4 3/4 in Air ☐ Water ☒ Cored: Yes ☐ No ☐
 Remarks: Water at 80 ft.
 Recorded by: J. PINCHOCK Geologist ^{Yes}_{No} Recorded by: L. SAUER



Hole number (continued)

US-7740



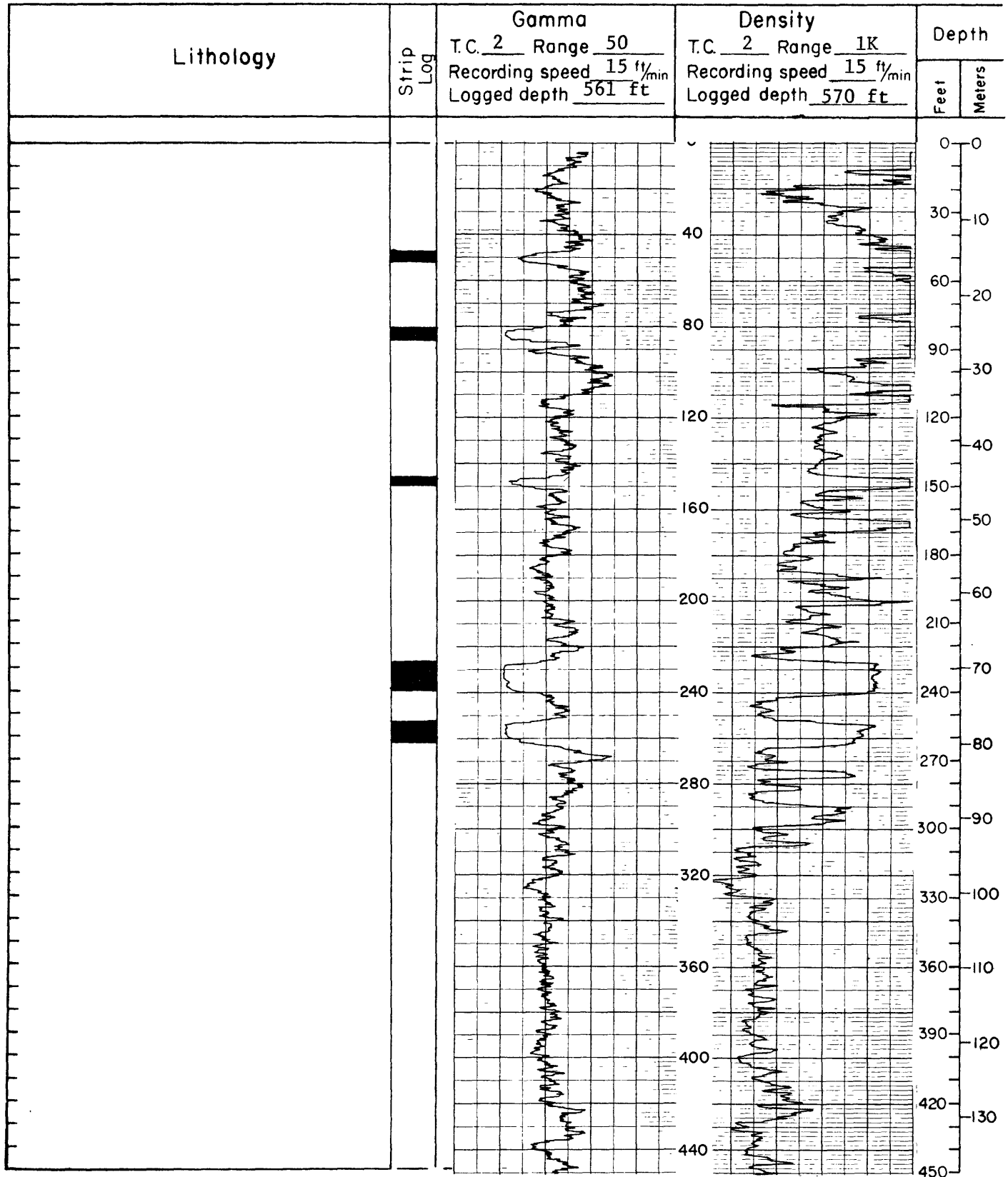
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Hole no: US-7741 Map: Kirby Date: 6/18/77 State: Montana County: Big Horn
 Elev.: 4552 ft Location: T. 6 S., R. 39 E., Sec. 13, Tract AACD Drilled depth: 570 ft
 Measured: 1235 ft ^{FNL} 870 ft ^{FEL} 500 ft Hole size: 4 3/4 in Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

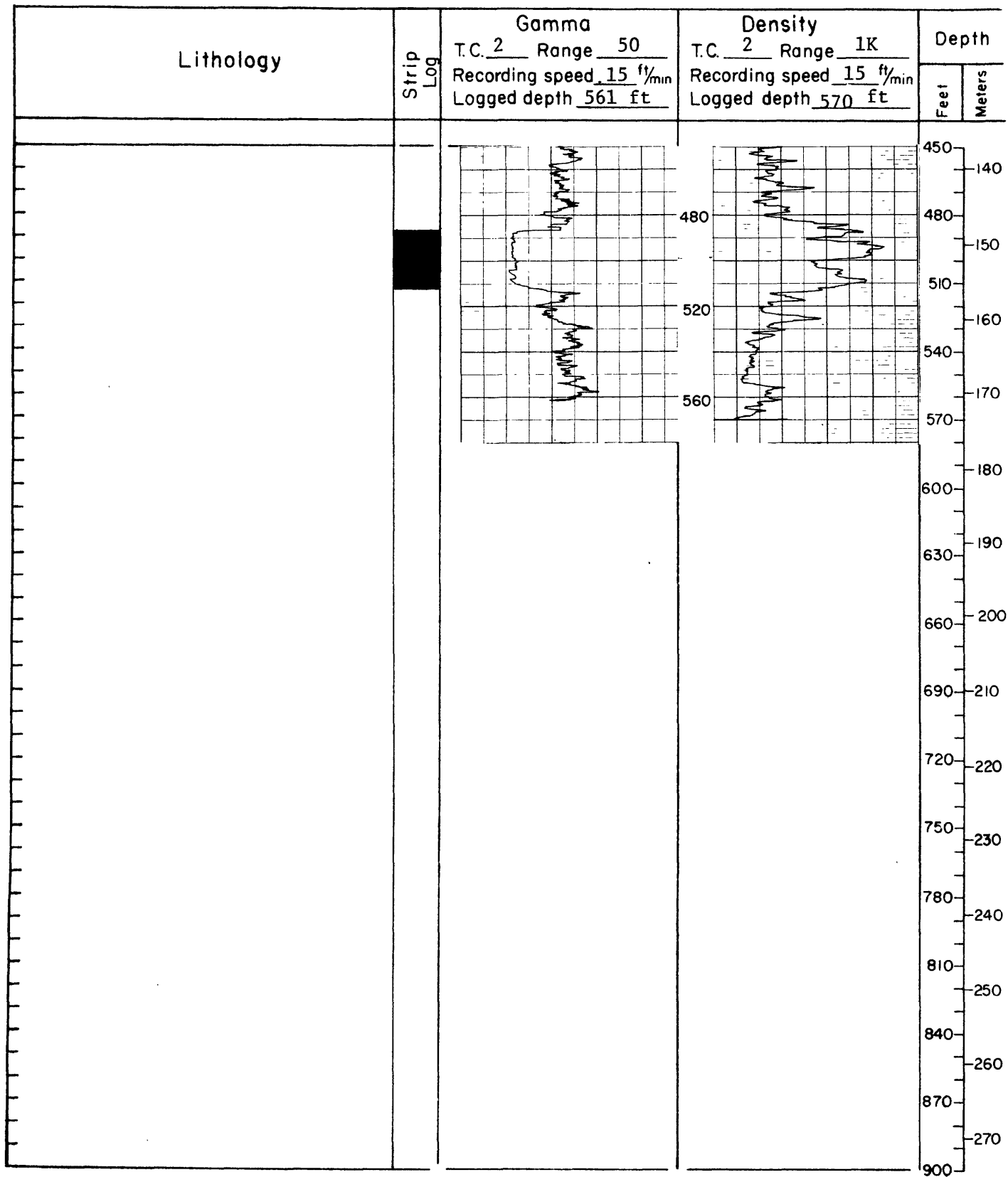
Recorded by: J. PINCHOCK

Geologist ^{Yes} ~~No~~ Recorded by: L. SAUER



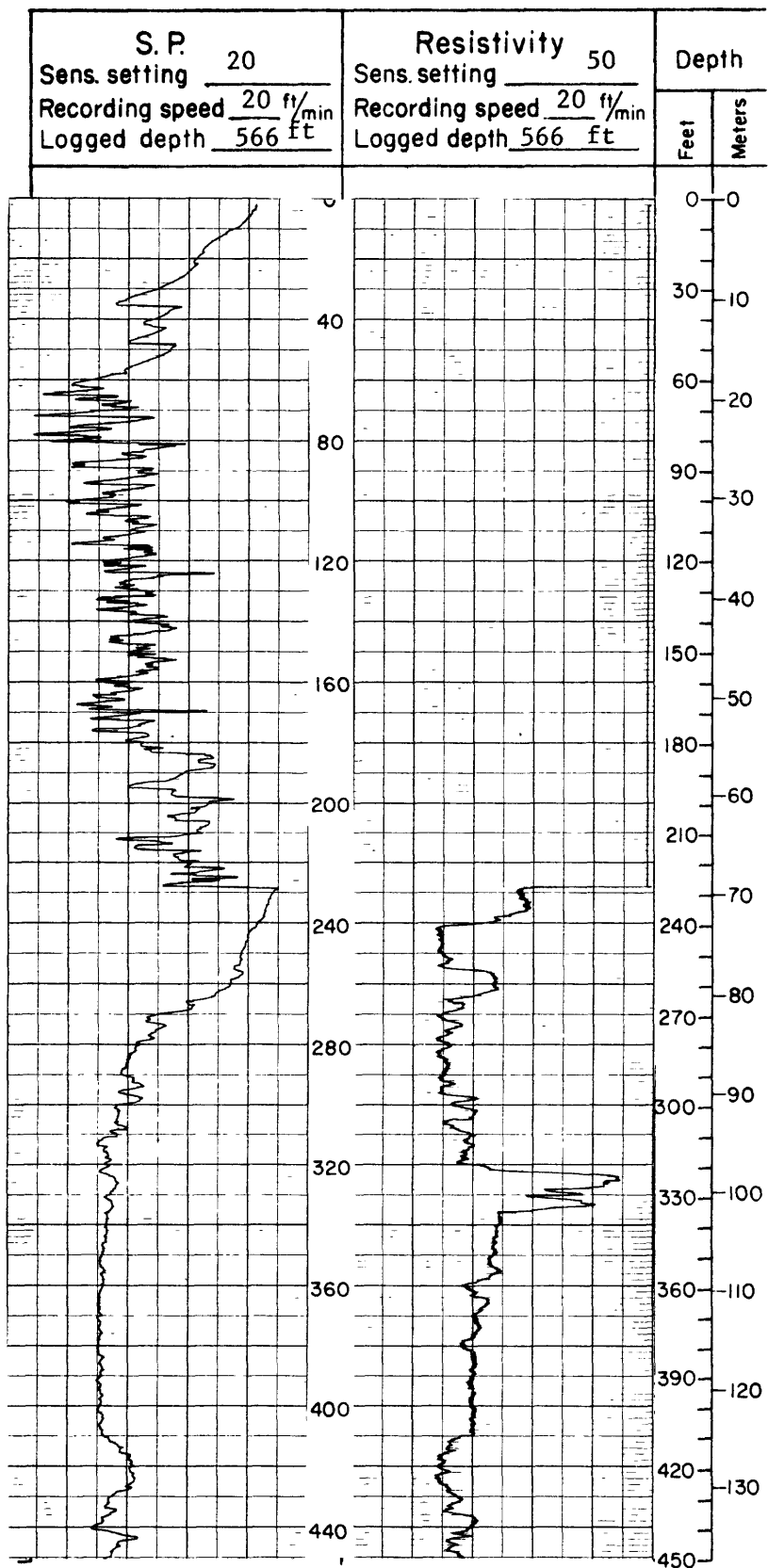
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US-7741



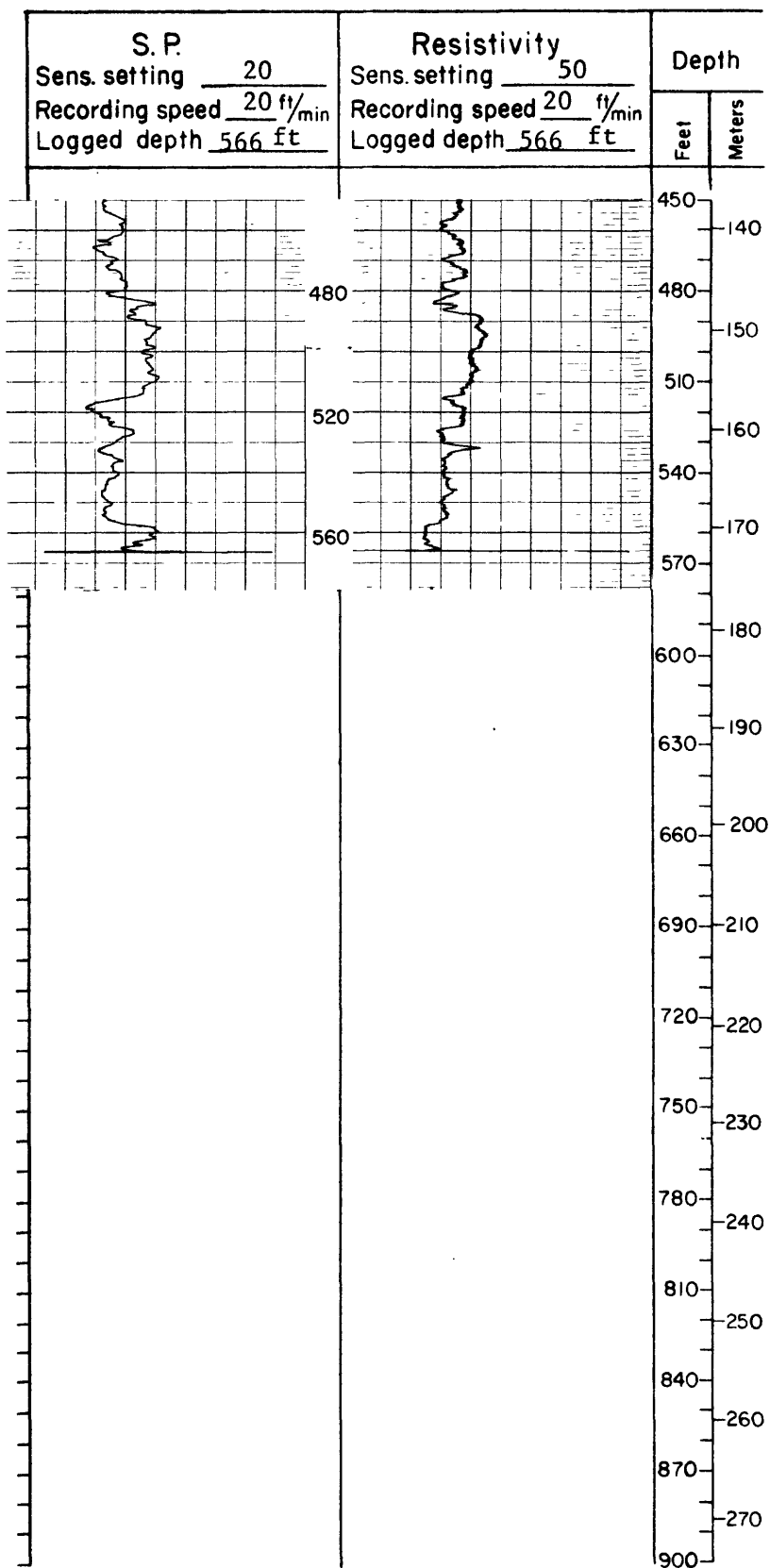
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US - 7741



Hole number (continued)

US-7741



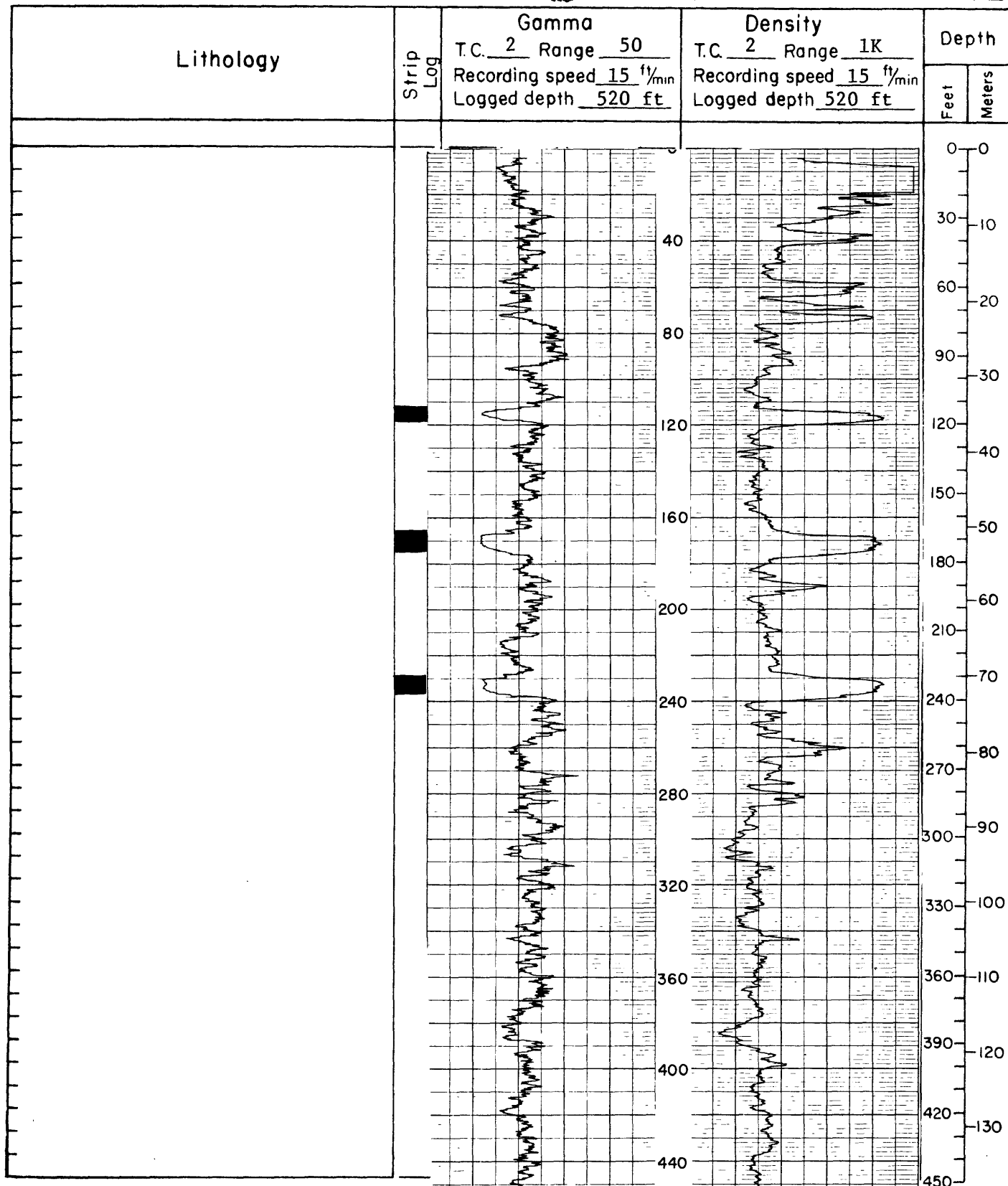
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Hole no: US-7742 Map: Taintor Desert Date: 6/19/77 State: Montana County: Big Horn
 Elev: 4580 ft Location: T. 6 ^{NK} S, R. 40 ^E W, Sec. 5, Tract BCCC Drilled depth: 521 ft
 Measured: 2610 ft ^{FNL} 551, 315 ft ^{FWL 551 Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒}

Remarks: _____

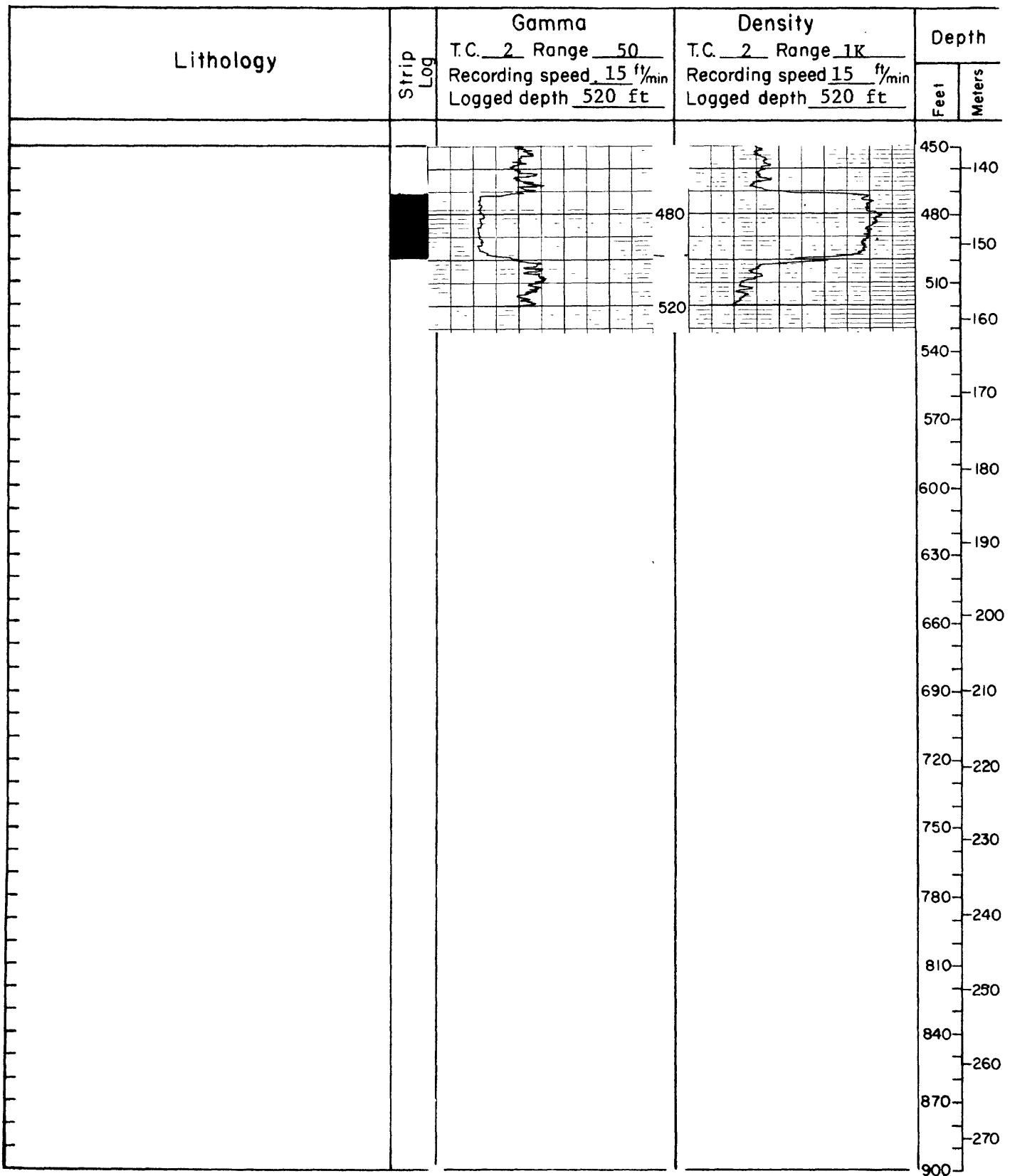
Recorded by: J. PINCHOCK

Geologist ^{Yes} ~~XX~~ Recorded by: L. SAUER



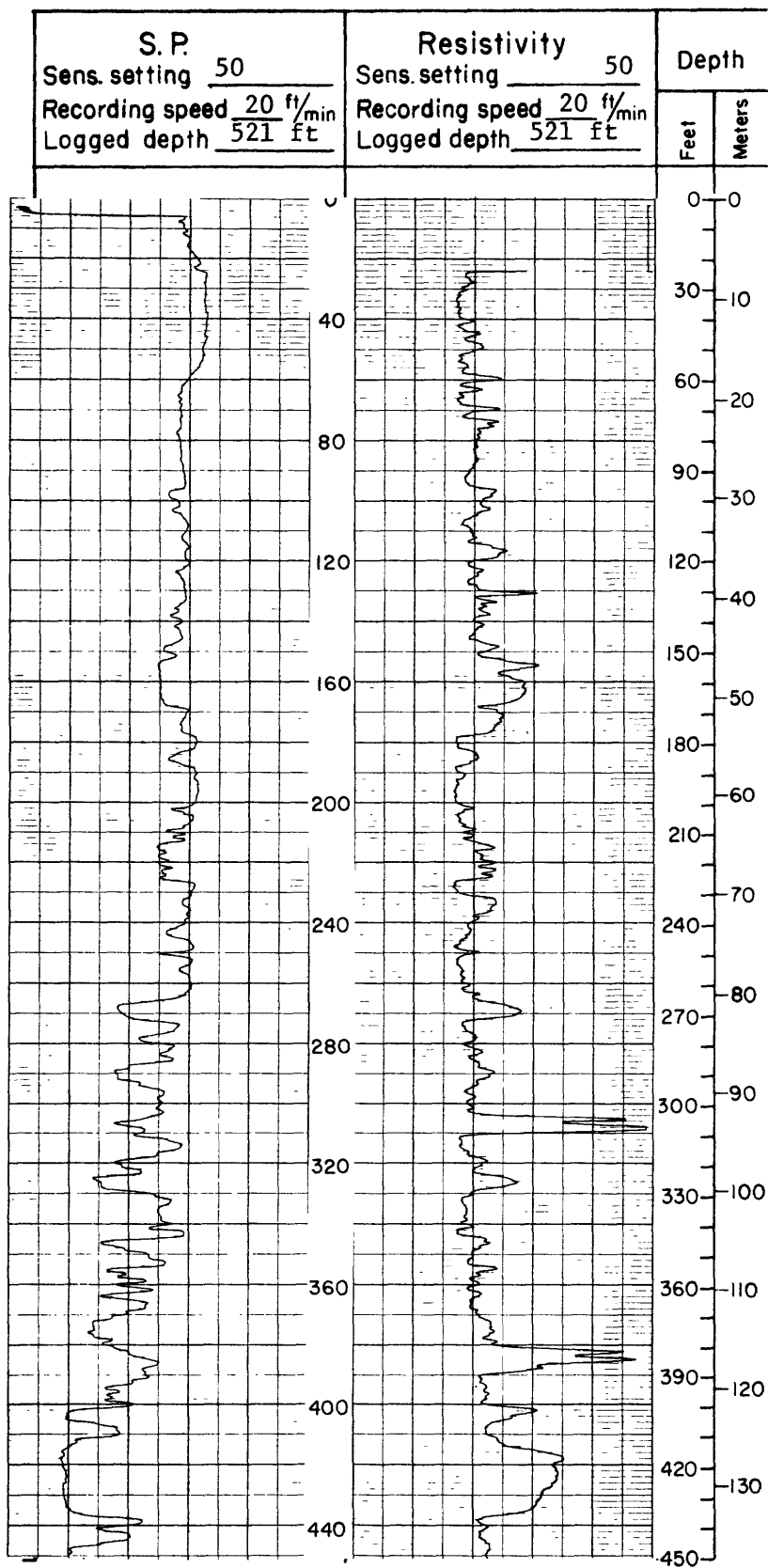
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US - 7742



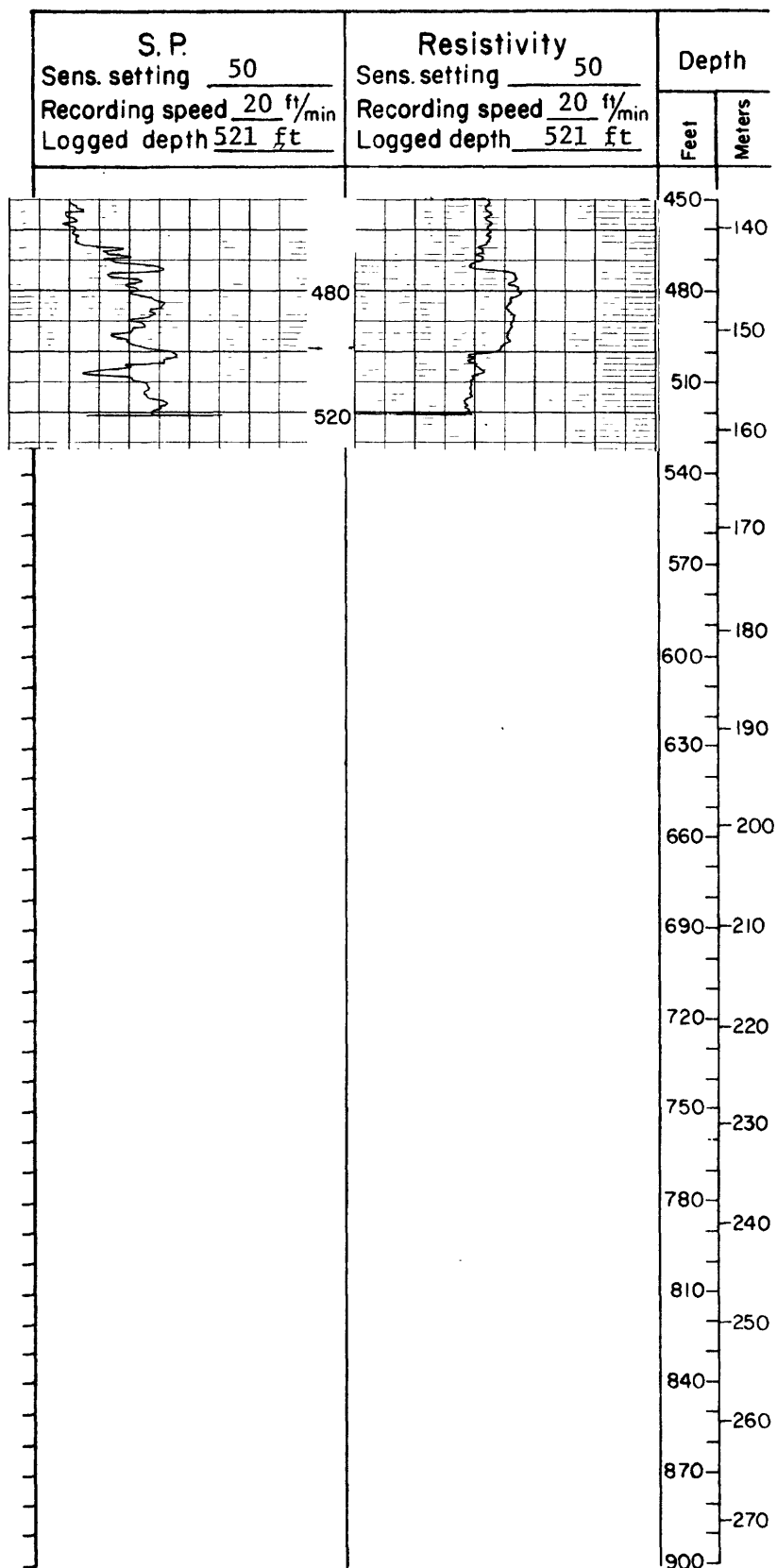
Hole number (continued)

US - 7742



Hole number (continued)

US - 7742



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Hole no: US-7743 Map: Pearl School Date: 6/20/77 State: Montana County: Big Horn
 Elev.: 3740 ft Location: T. 8 ^N_S, R. 40 ^E_W, Sec. 31, Tract DCBB Drilled depth: 120 ft.
 Measured: 1120 ft ^{FNL}_{FSL}, 2500 ft ^{FEL}_{FHL} Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☐
 Remarks: A, D₁, D₂ beds burned; no logs.

Recorded by: J. PINCHOCK Geologist ^{Yes}_{No} Recorded by: L. SAUER

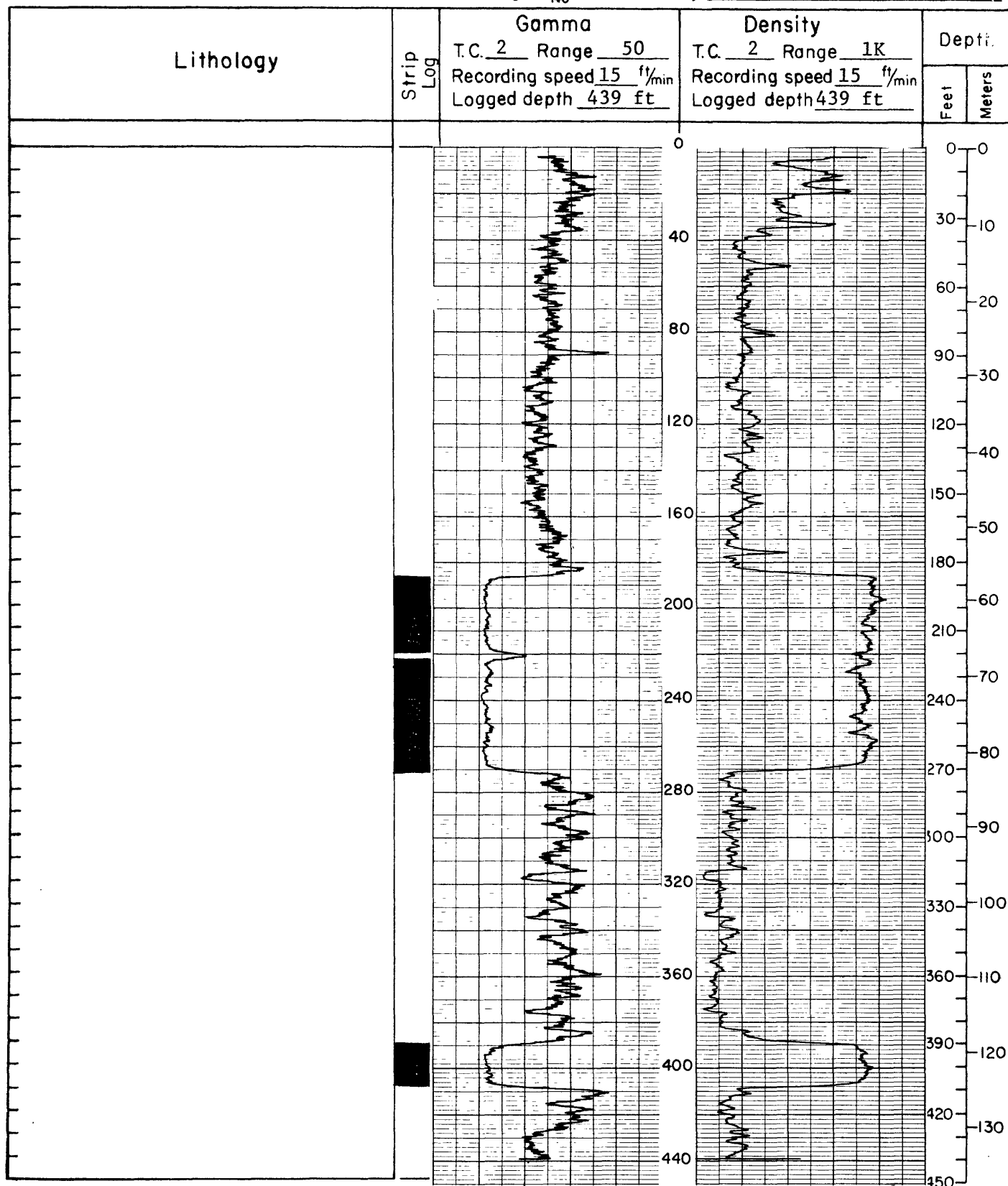
Lithology	Strip Log	Gamma	Density	Depth	
		T.C. _____ Range _____ Recording speed _____ f ¹ /min Logged depth _____	T.C. _____ Range _____ Recording speed _____ f ¹ /min Logged depth _____	Feet	Meters
				0	0
				30	10
				60	20
				90	30
				120	40
				150	50
				180	60
				210	70
				240	80
				270	90
				300	100
				330	110
				360	120
				390	130
				420	
				450	

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Hole no: US-7744 Map: Pearl School Date: 6/20/78 State: Montana County: Big Horn
 Elev.: 3798 ft Location: T. 8 ^N_S, R. 39 ^E_W, Sec. 23, Tract ABAC Drilled depth: 440 ft
 Measured: 550 ft ^{FNL}_{FSL}, 1810 ft ^{FEL}_{FWL} Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒
 Remarks: Dry to 150 ft though damp.

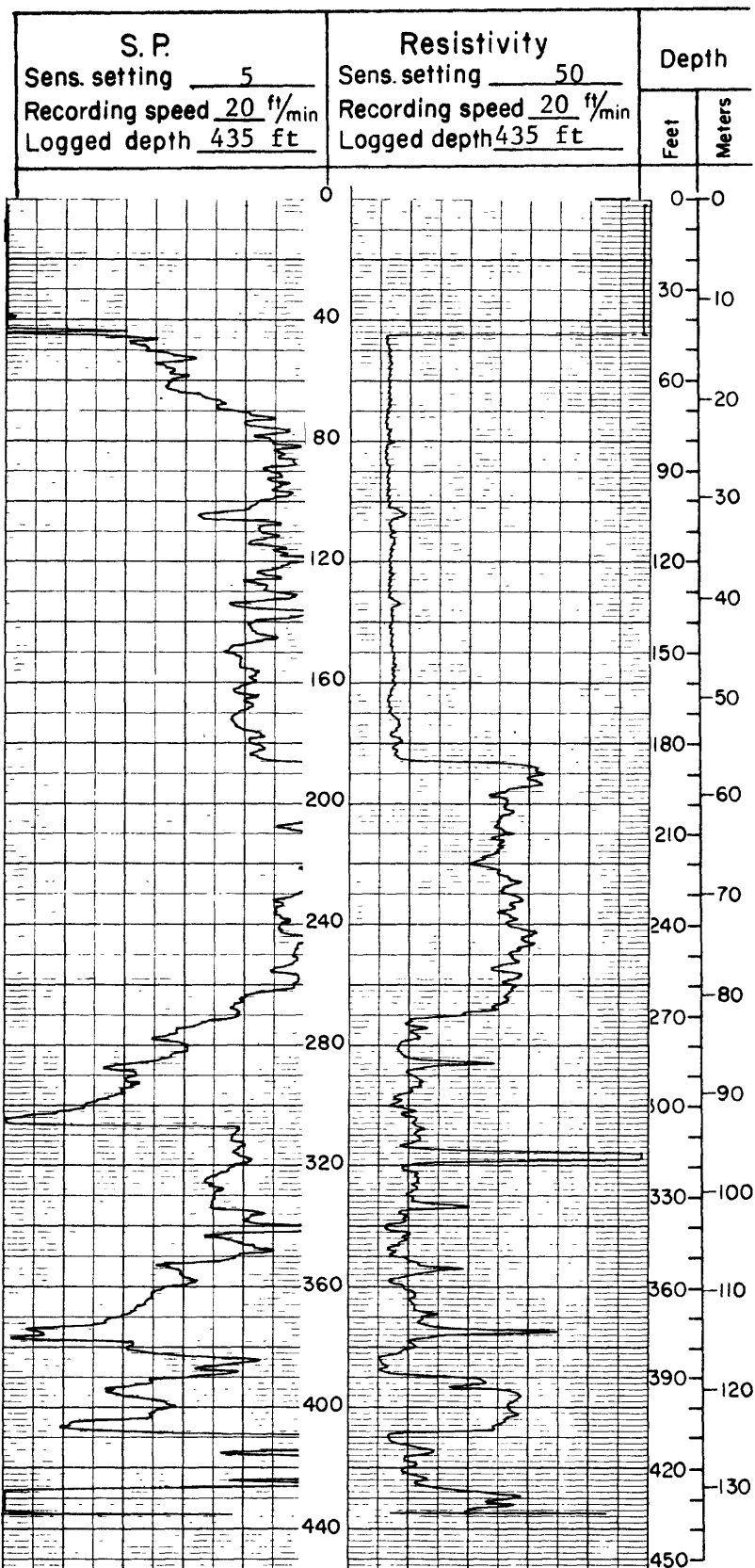
Recorded by: J. PINCHOCK

Geologist ^{Yes}_{No} Recorded by: L. SAUER



Hole number (continued)

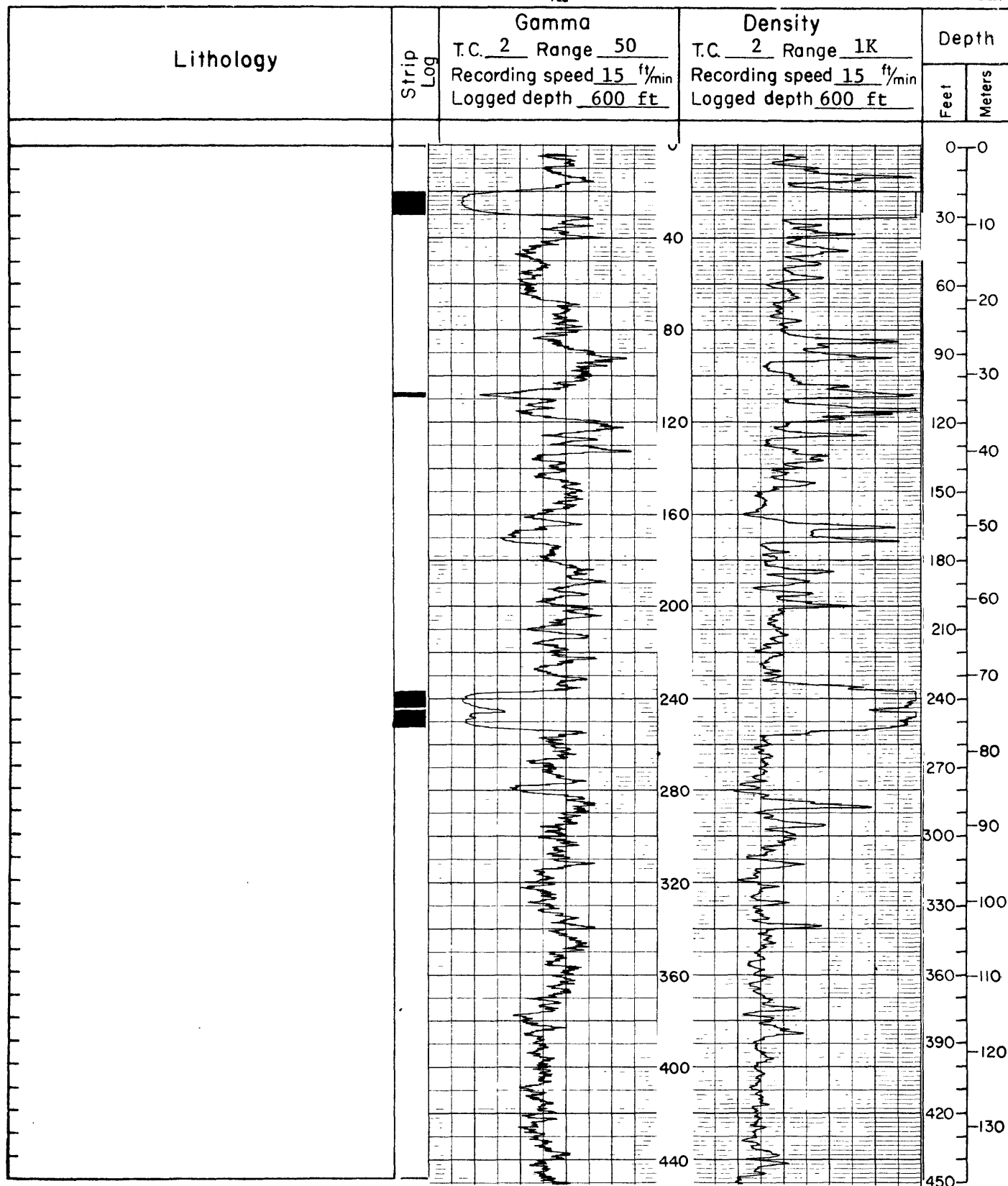
US - 7744



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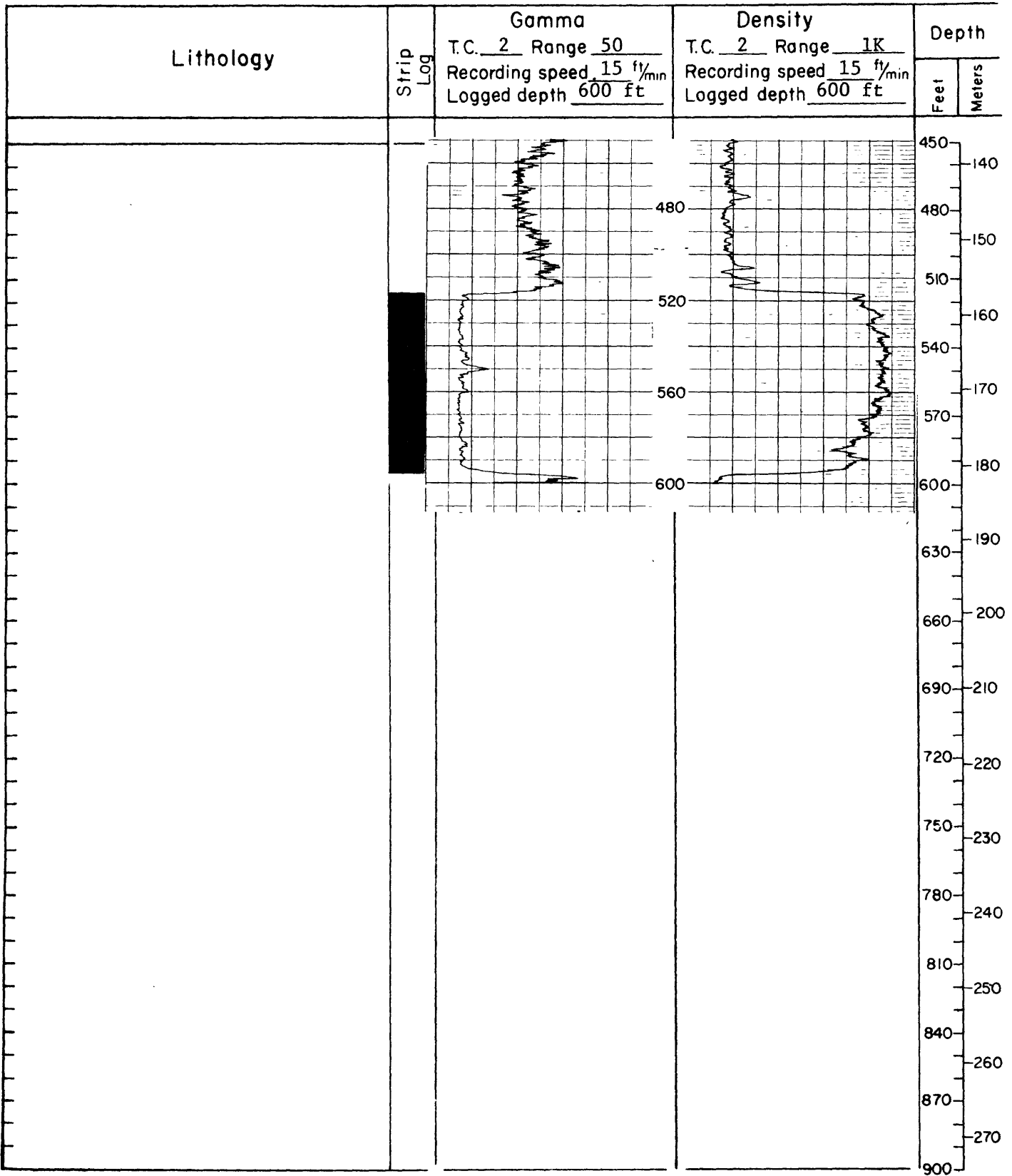
Hole no: US-7745 Map: Pearl School Date 6/28/77 State: Montana County: Big Horn
 Elev.: 3950 ft Location: T. 9 ^N/_S, R. 39 ^E/_W, Sec. 12, Tract DCDD Drilled depth: 600 ft
 Measured: 255 ft ~~FSL~~ 1625 ft ~~FEL~~ ~~FSL~~ Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒
 Remarks: Lost circulation at 520 ft; drilled 80 ft blind, No Sp-Er.

Recorded by: J. PINCHOCK Geologist ^{Yes}/_{No} Recorded by: L. SAUER



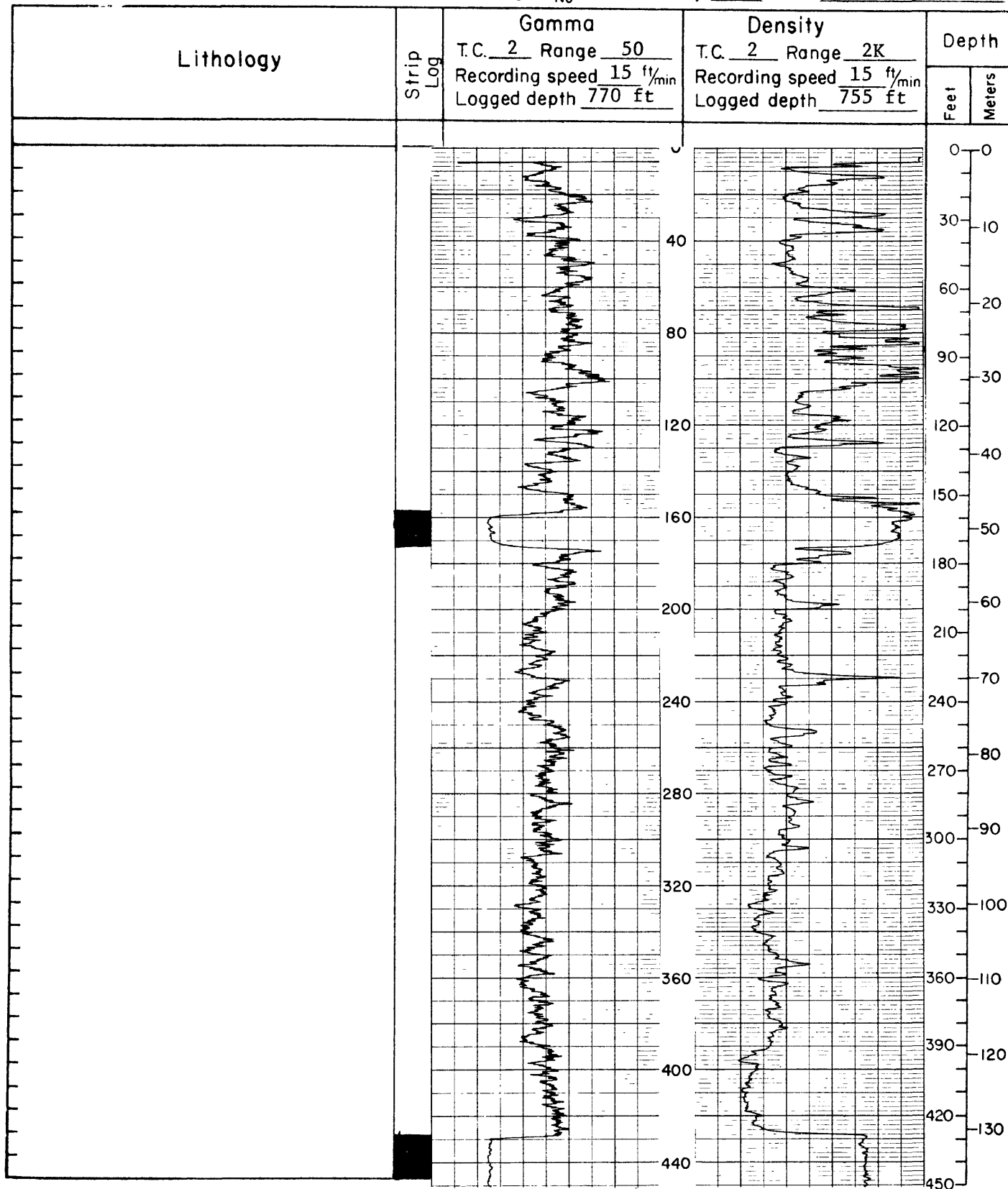
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US - 7745



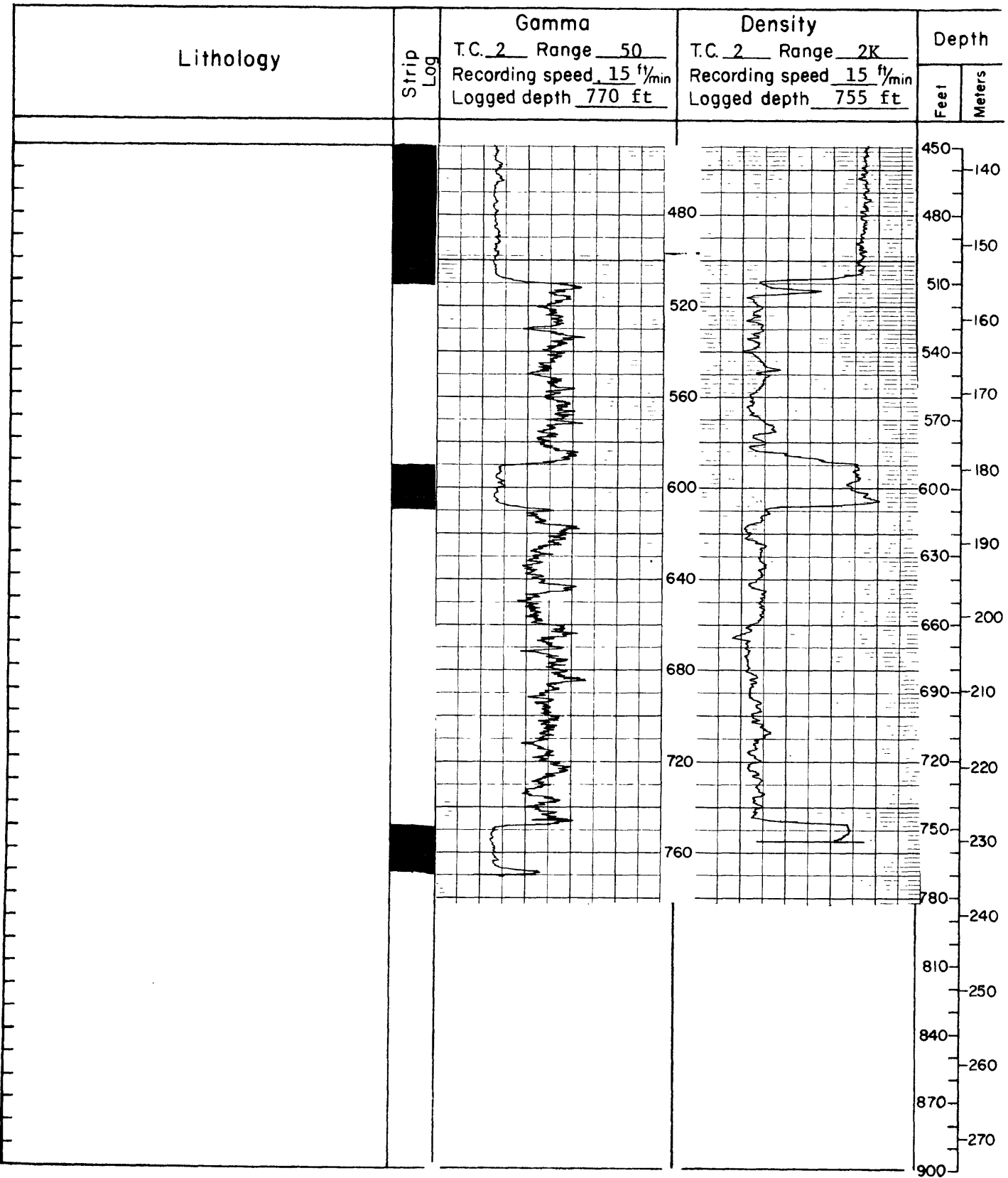
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Hole no: IIS-7746 Map: Pearl School Date: 6/29/77 State: Montana County: Big Horn
 Elev.: 3896 ft Location: T. 9 ^N_S, R. 40 ^E_W, Sec. 7, Tract BABA Drilled depth: 770 ft
 Measured: 290 ft ^{FNL}_{FWL} 1800 ft ^{FDL}_{FWL} Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒
 Remarks: Lost circulation at 600 ft; regained at 620 ft. Couldn't get density to total
 Recorded by: L. SAUER Geologist ^{X85}_{No} Recorded by: J. JENSEN depth:



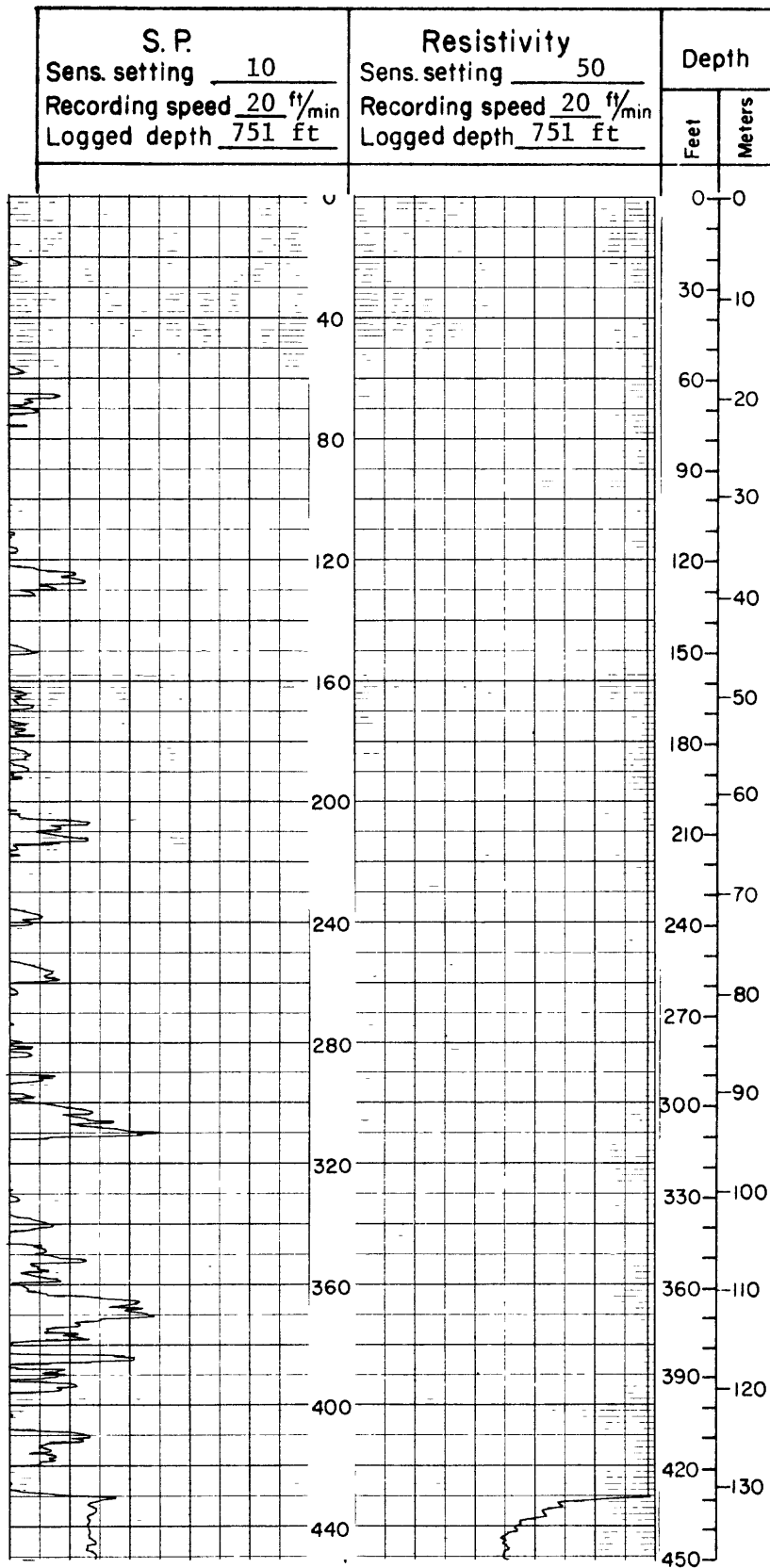
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US-7746



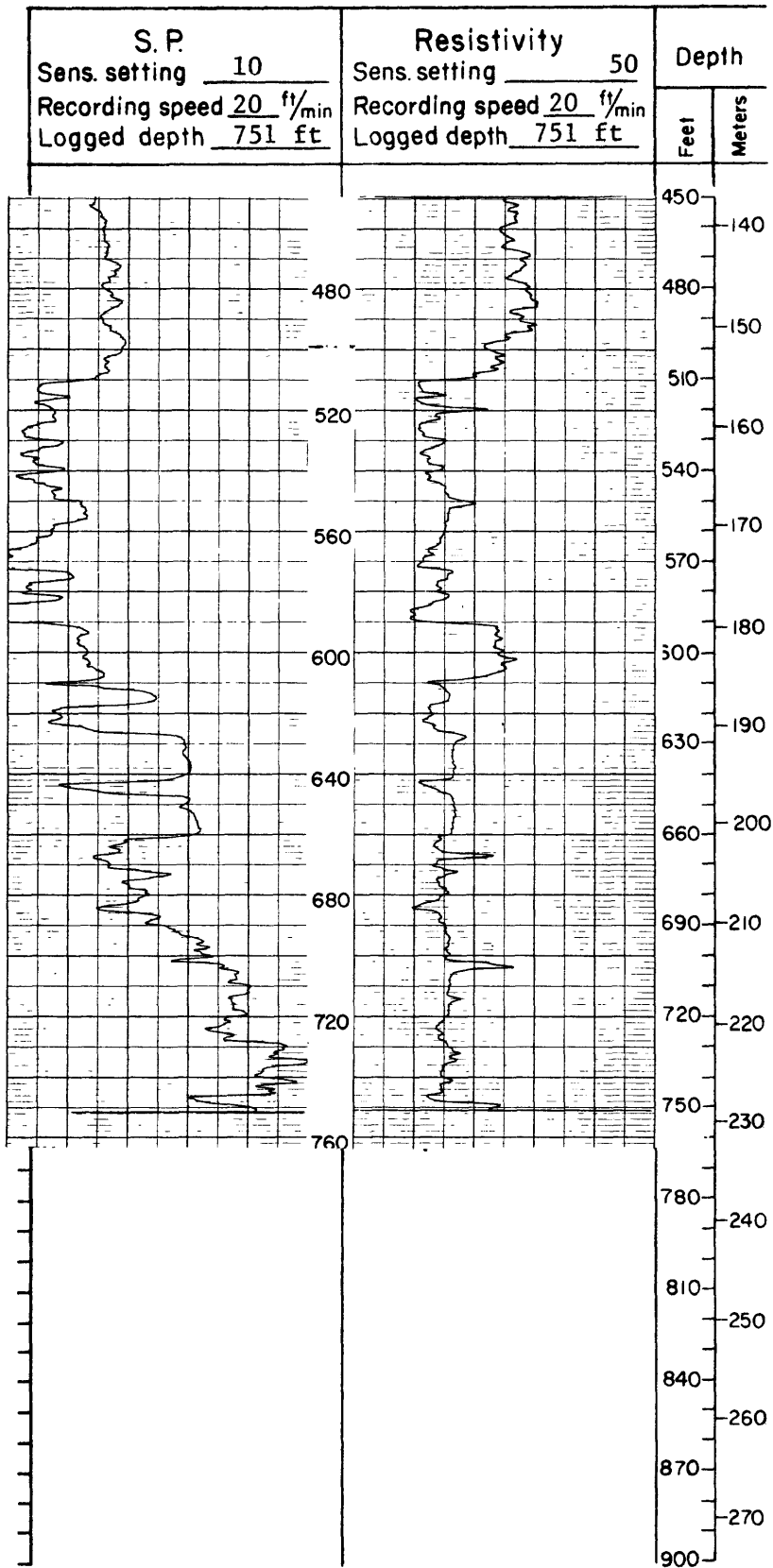
Hole number (continued)

US - 7746



Hole number (continued)

US-7746

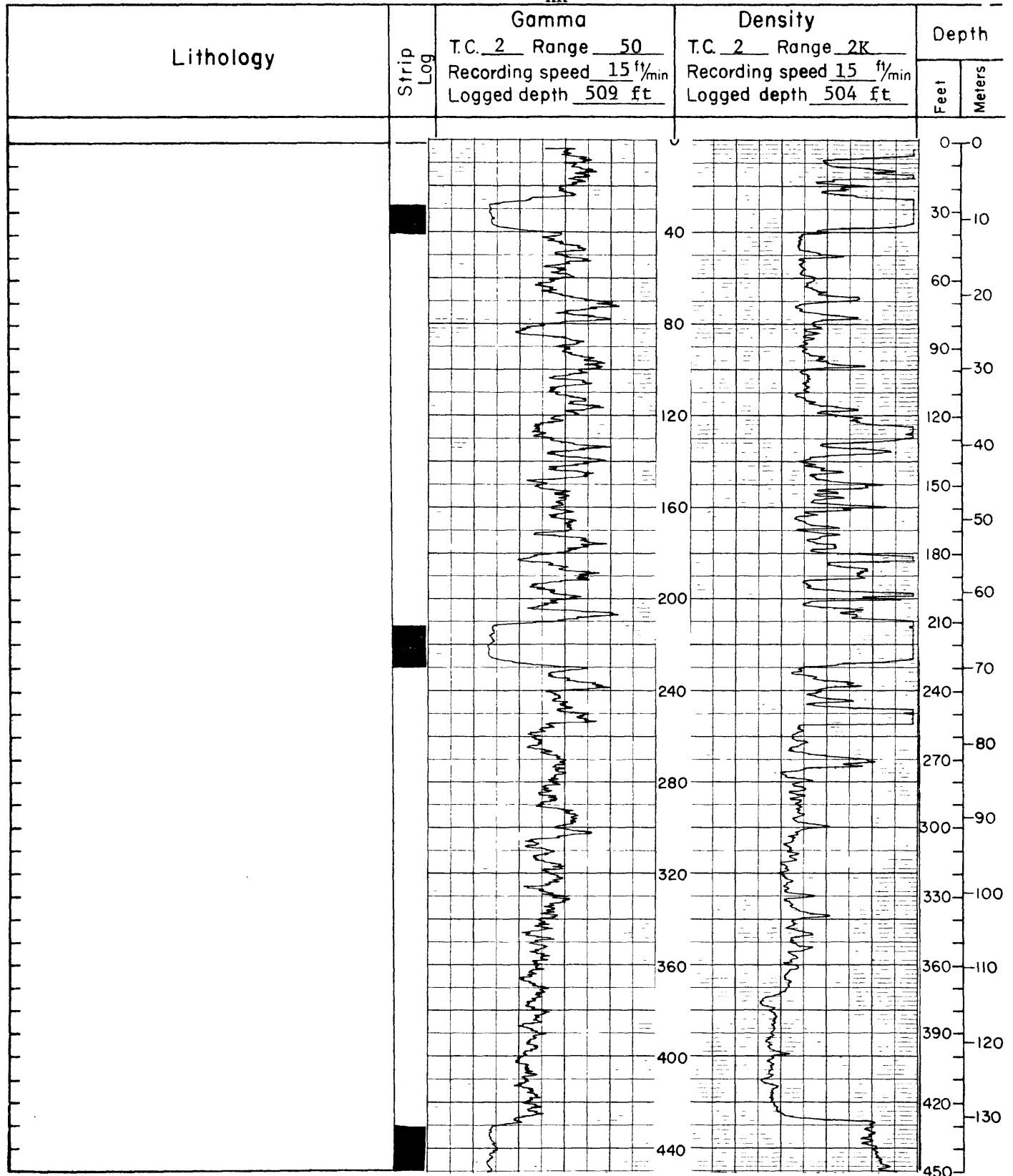


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Hole no: US-7747 Map: Pearl School Date: 7/1/77 State: Montana County: Big Horn
 Elev.: 4059 ft Location: T. 9 N. R. 39 E. Sec. 2, Tract BCAA Drilled depth: 509 ft
 Measured: 1400 ft ^{FNL} 1030 ft ^{FWL} Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒
 Remarks: Lost circulation at 420 ft.

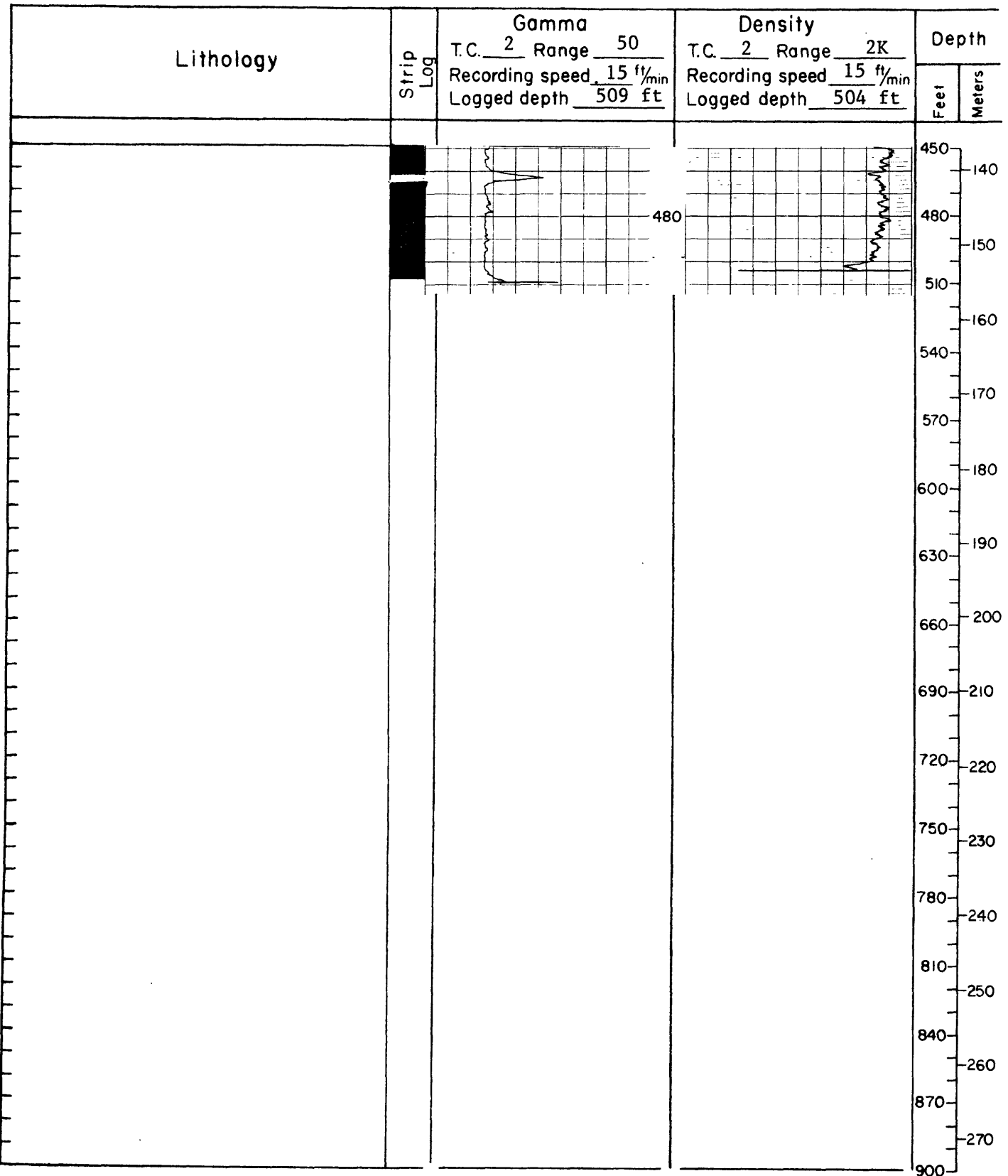
Recorded by: J. PINCHOCK

Geologist ^{Yes} ~~No~~ Recorded by: L. SAUER



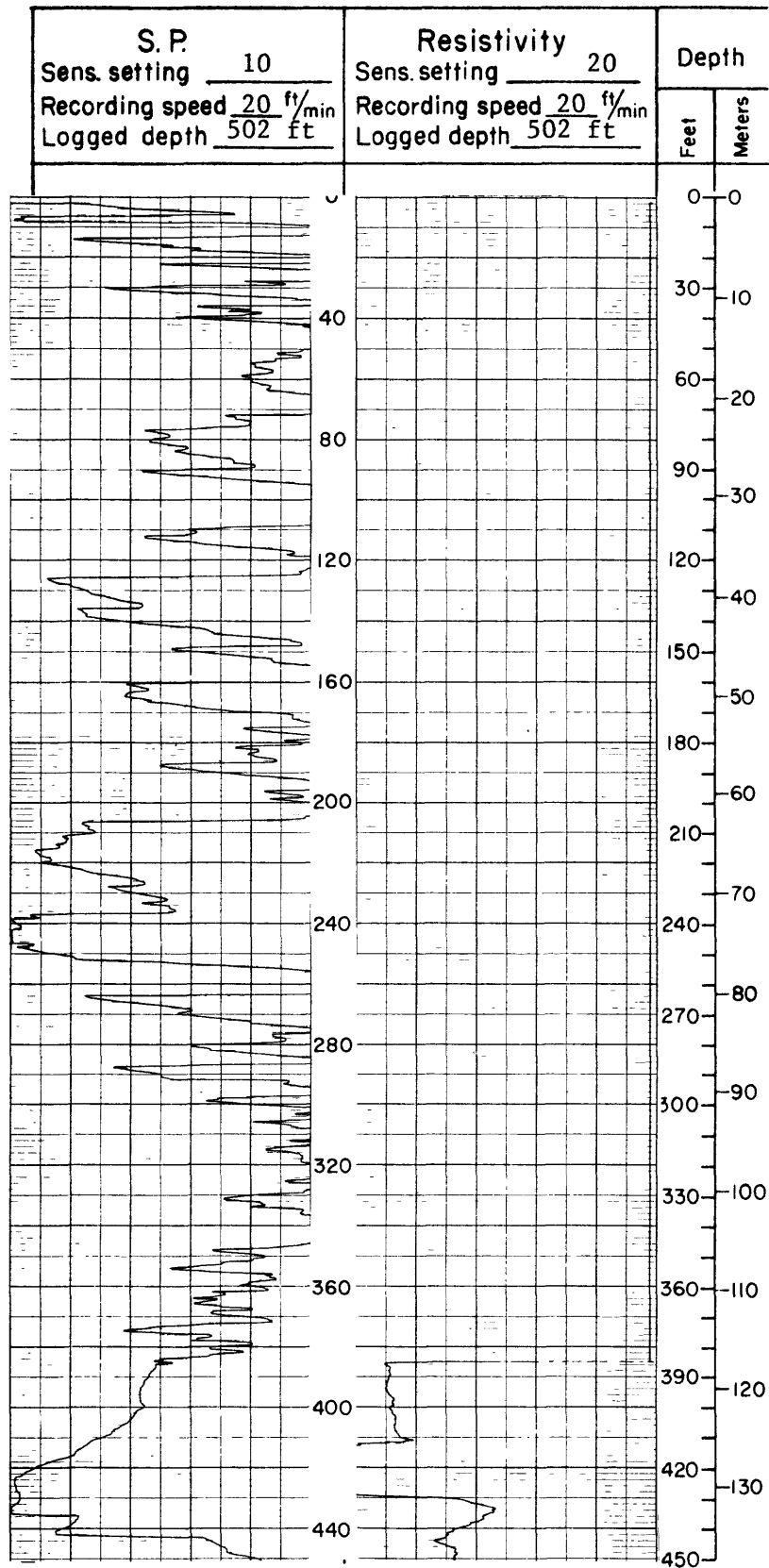
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US- 7747



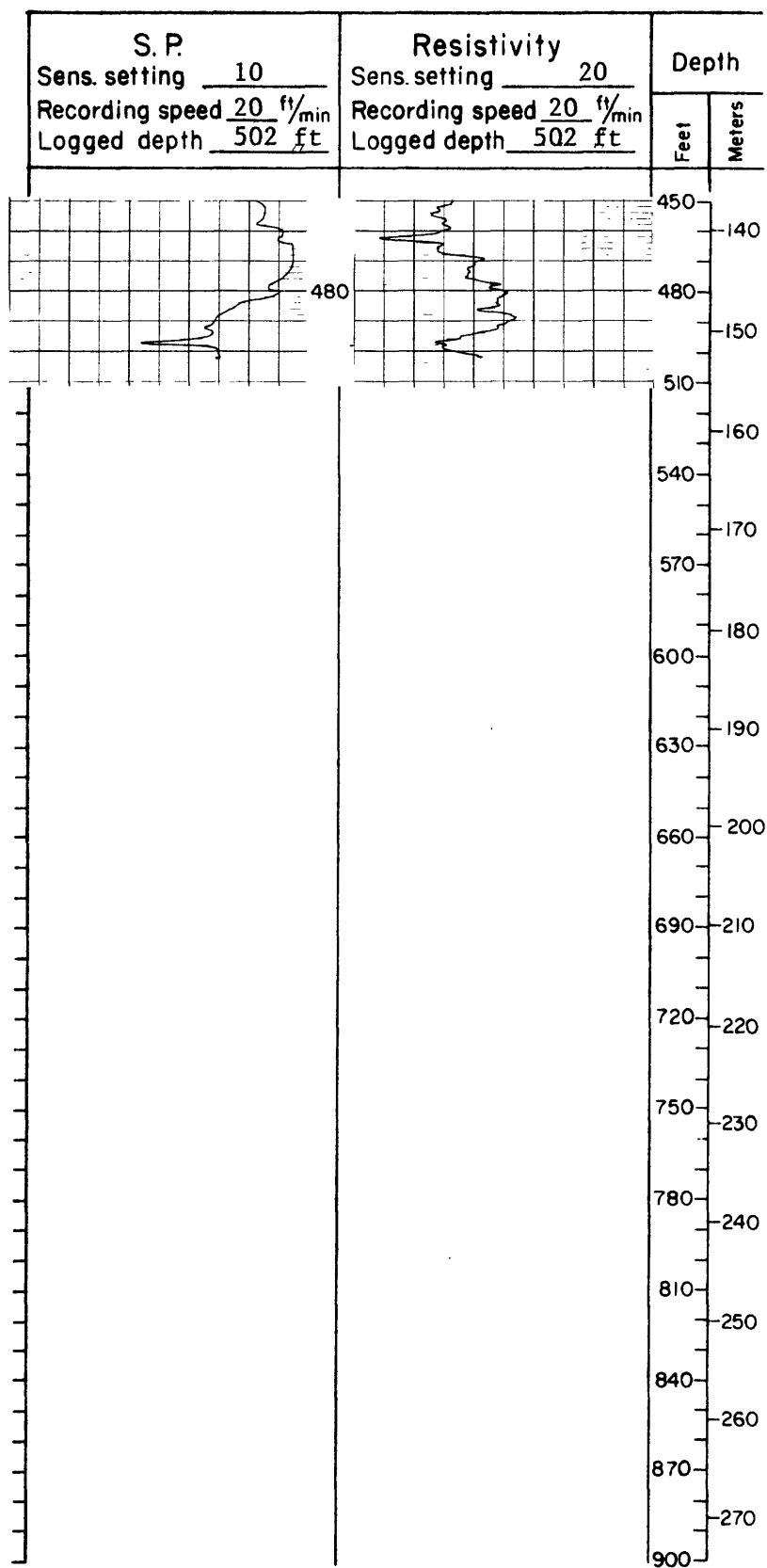
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US- 7747



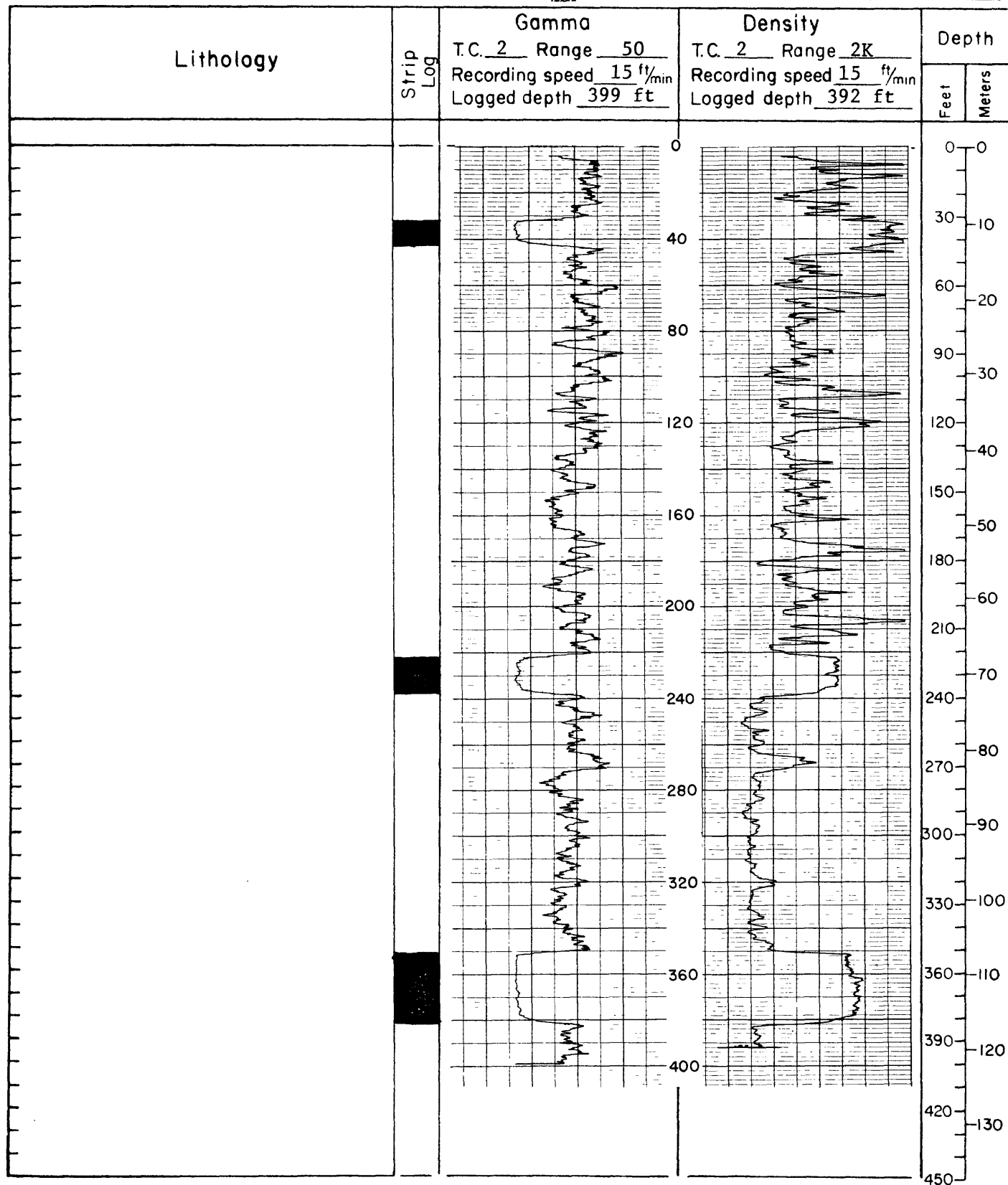
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US- 7747



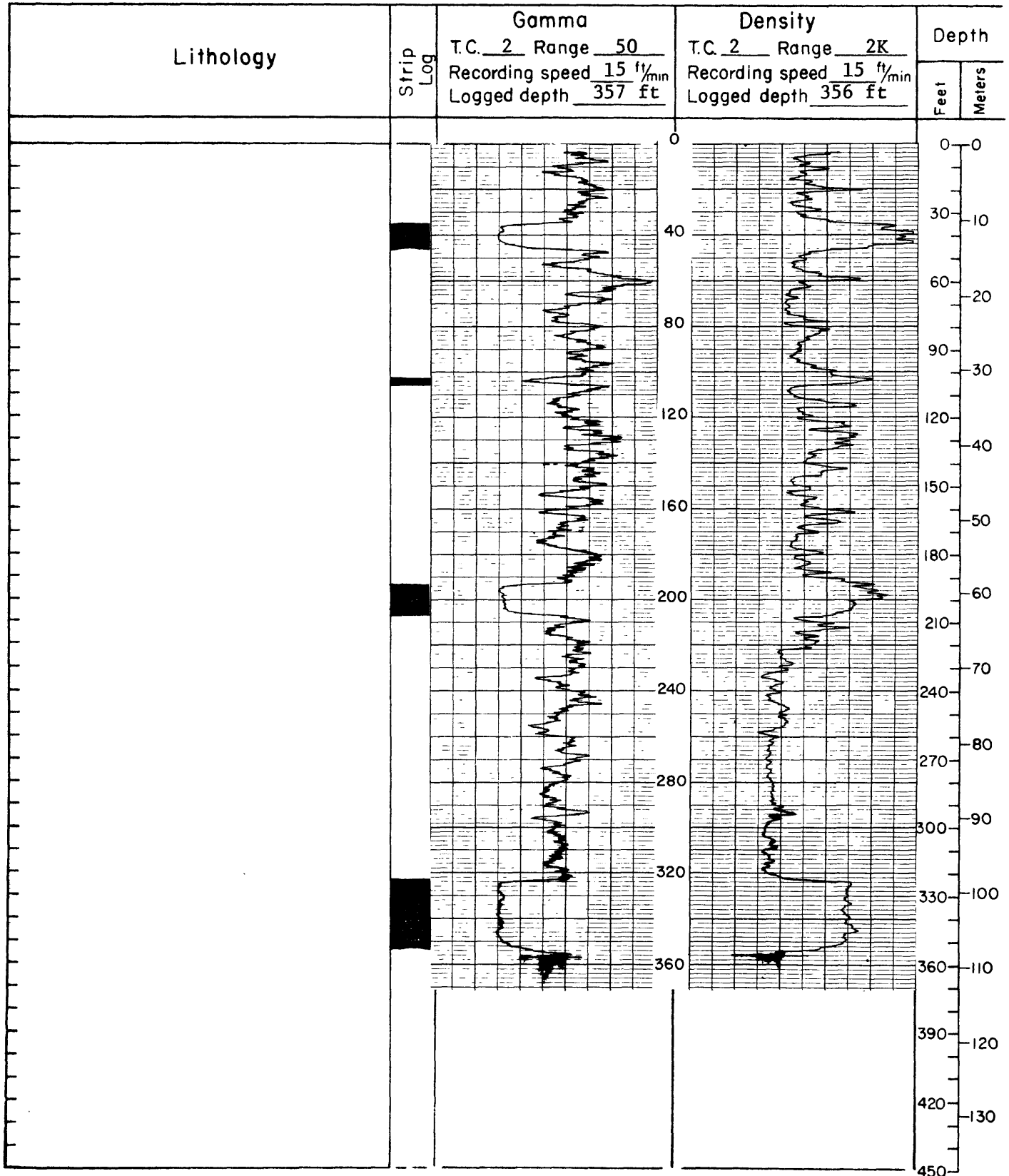
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Hole no: US-7748 Map: Pearl School Date 7/3/77 State: Montana County: Big Horn
 Elev.: 4165 ft Location: T. 8 ^{NK} S, R. 39 ^W Sec. 27, Tract CABC Drilled depth: 400 ft
 Measured: 2250 ft ^{NK} FSL, 1500 ft ^{NK} FWL Hole size: 4 3/4 in Air ☐ Water ☒ Cored: Yes ☐ No ☒
 Remarks: Lost circulation at 360 ft; couldn't regain to complete to D₁ and D₂. No Sp-Er.
 Recorded by: J. PINCHOCK Geologist ^{Yes} ~~NK~~ Recorded by: J. JENSEN



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Hole no: US-7749 Map: Pearl School Date: 7/4/77 State: Montana County: Big Horn
 Elev.: 4197 ft Location: T. 8 ^N S. 39 ^E W. Sec. 28, Tract CAAD Drilled depth: 357 ft
 Measured: 2100 ft ^{FSL} 2315 ft ^{FWL} Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒
 Remarks: Lost circulation at 340 ft; could not regain. No Sp-Er.
 Recorded by: J. PINCHOCK Geologist ^{Yes} ~~No~~ Recorded by: J. JENSEN



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Hole no: US-7750 Map: Decker Date: 7/6/77 State: Montana County: Big Horn
 Elev.: 3500 ft Location: T. 8 ^N S, R. 40 ^E W, Sec. 34, Tract AAAB Drilled depth: 18 ft
 Measured: 5 ft ^{FNL} ~~56 ft~~ 475 ft ^{FEL} ~~545 ft~~ Hole size: 4 3/4 in. Air ☐ Water ☐ Cored: Yes ☐ No ☐
 Remarks: Abandoned due to clinker and proximity of Peter Kiewit and Sons hole.
 Recorded by: J. PINCHOCK Geologist ^{Yes} ~~No~~ Recorded by: J. JENSEN

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
Clinker (- 0 ft - 15 ft)				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	

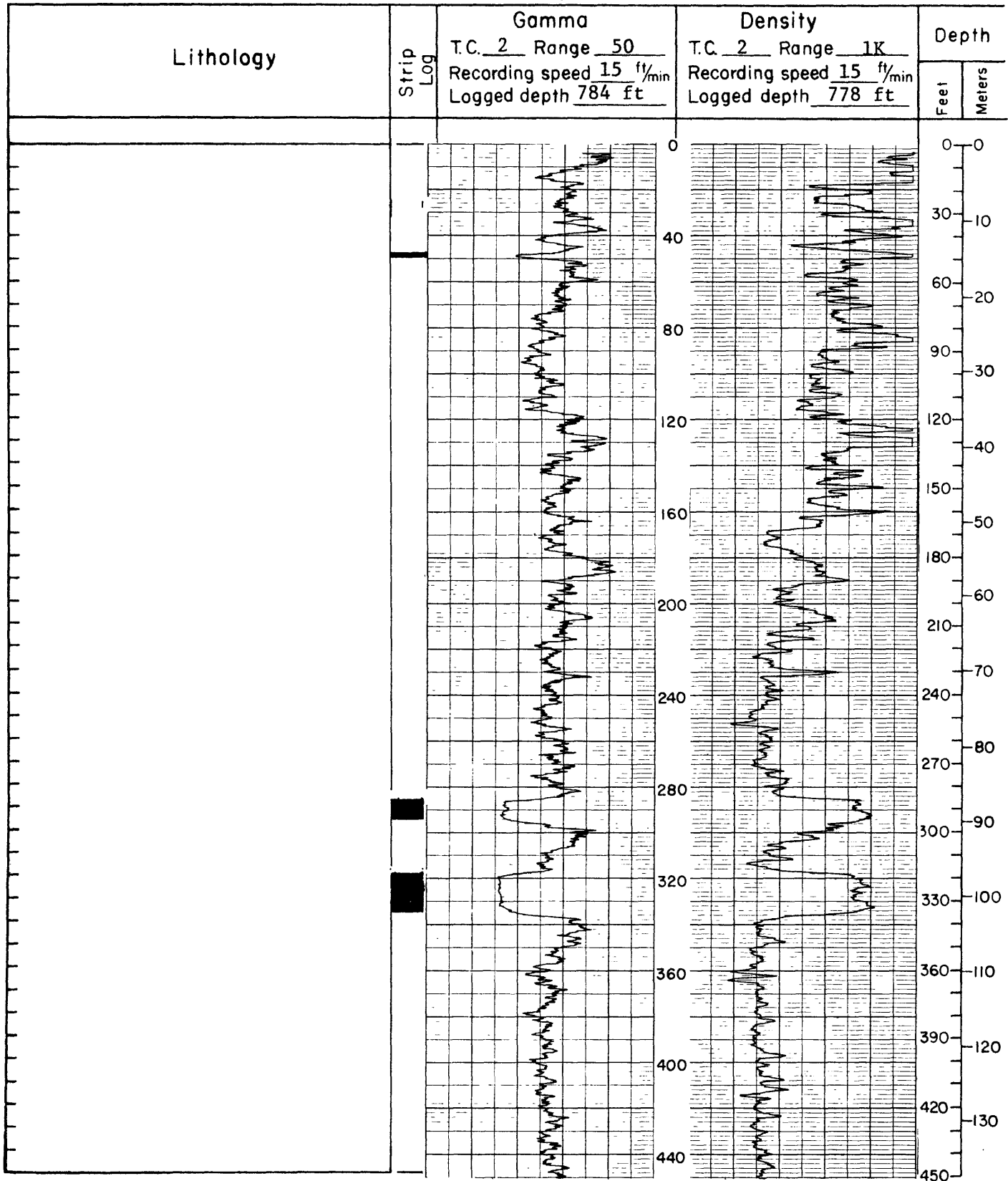
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Hole no: US-7751 Map: Kirby Date: 7/13/77 State: Montana County: Big Horn
 Elev.: 4625 ft Location: T. 7 ^N_S, R. 39 ^E_W, Sec. 2, Tract DCDB Drilled depth: 784 ft
 Measured: 580 ft ~~RWK~~ ^{FSL}, 1800 ft ~~RWK~~ ^{FEL} Hole size: 4 3/4 in Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

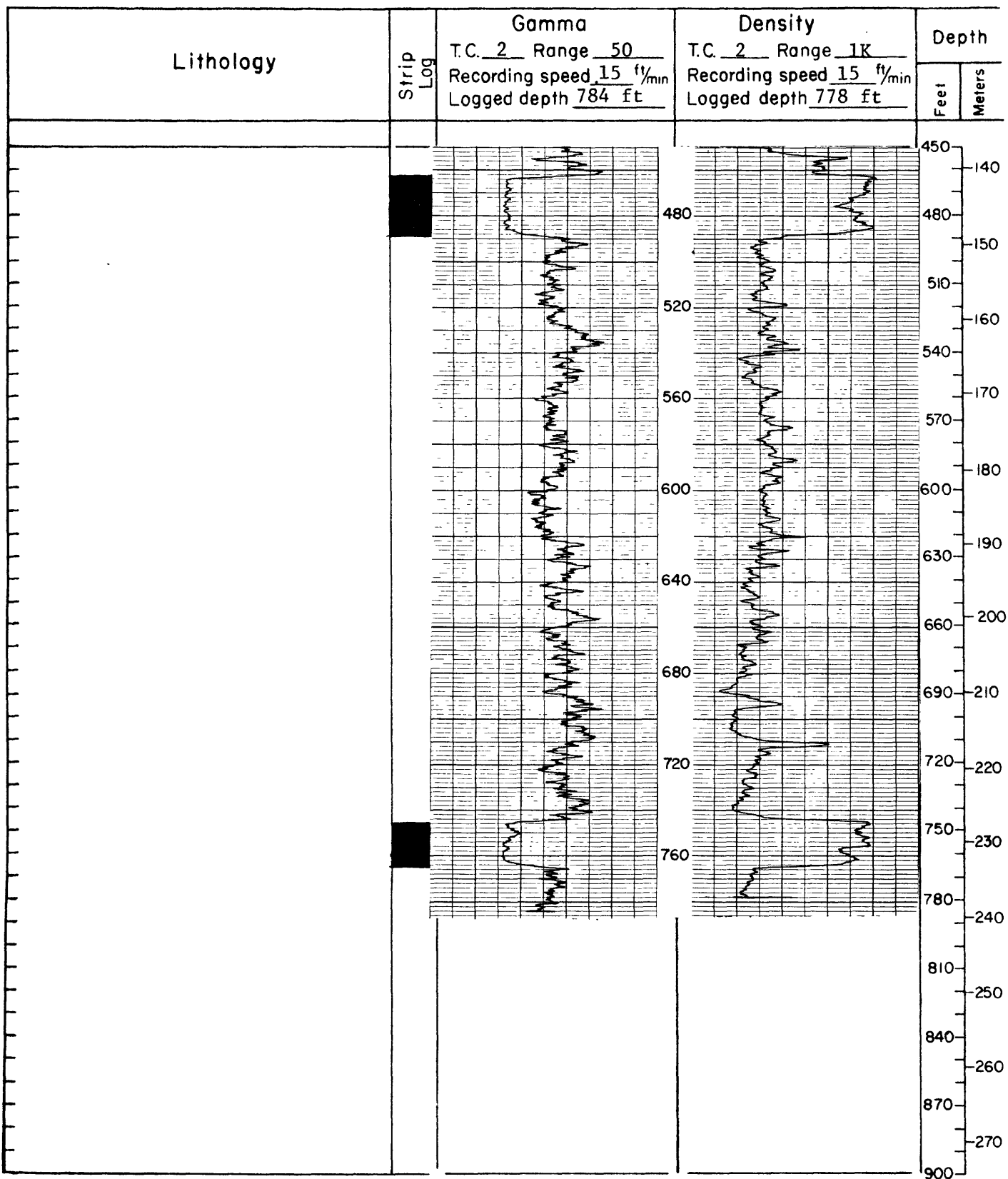
Recorded by: J. PINCHOCK

Geologist ^{Yes}_{No} Recorded by: L. SAUER



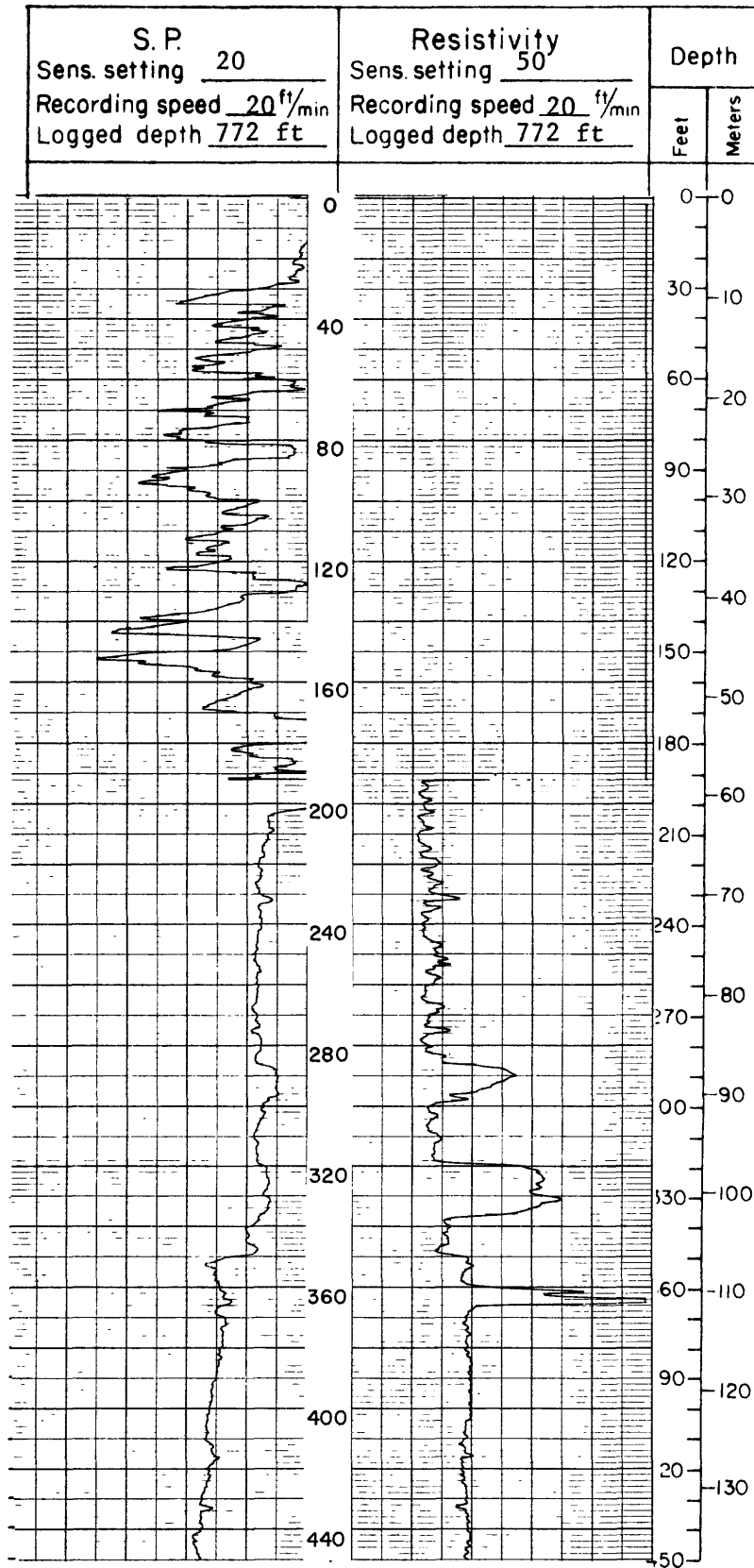
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US- 7751



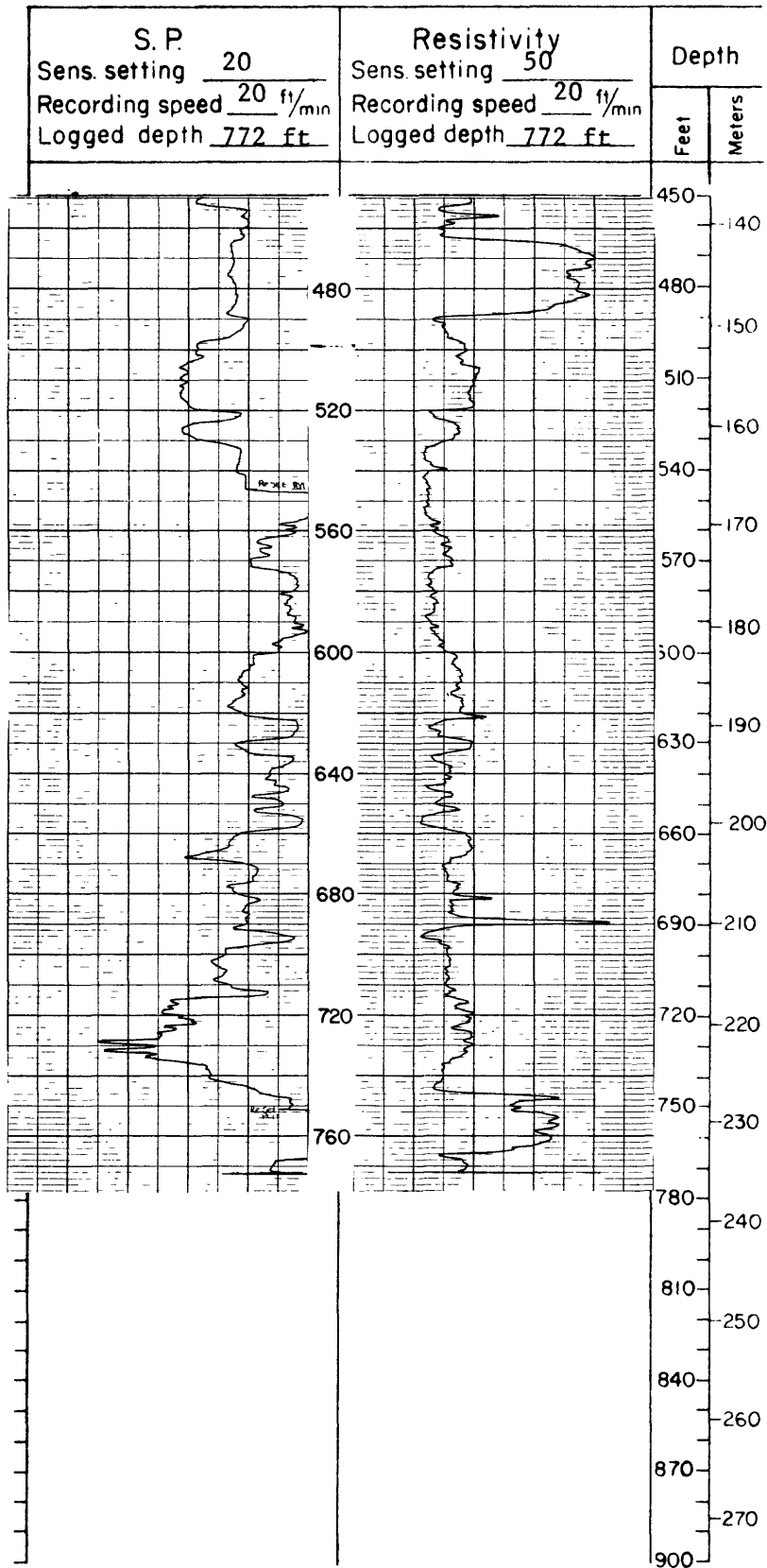
Hole number (continued)

US-7751



Hole number (continued)

US - 7751

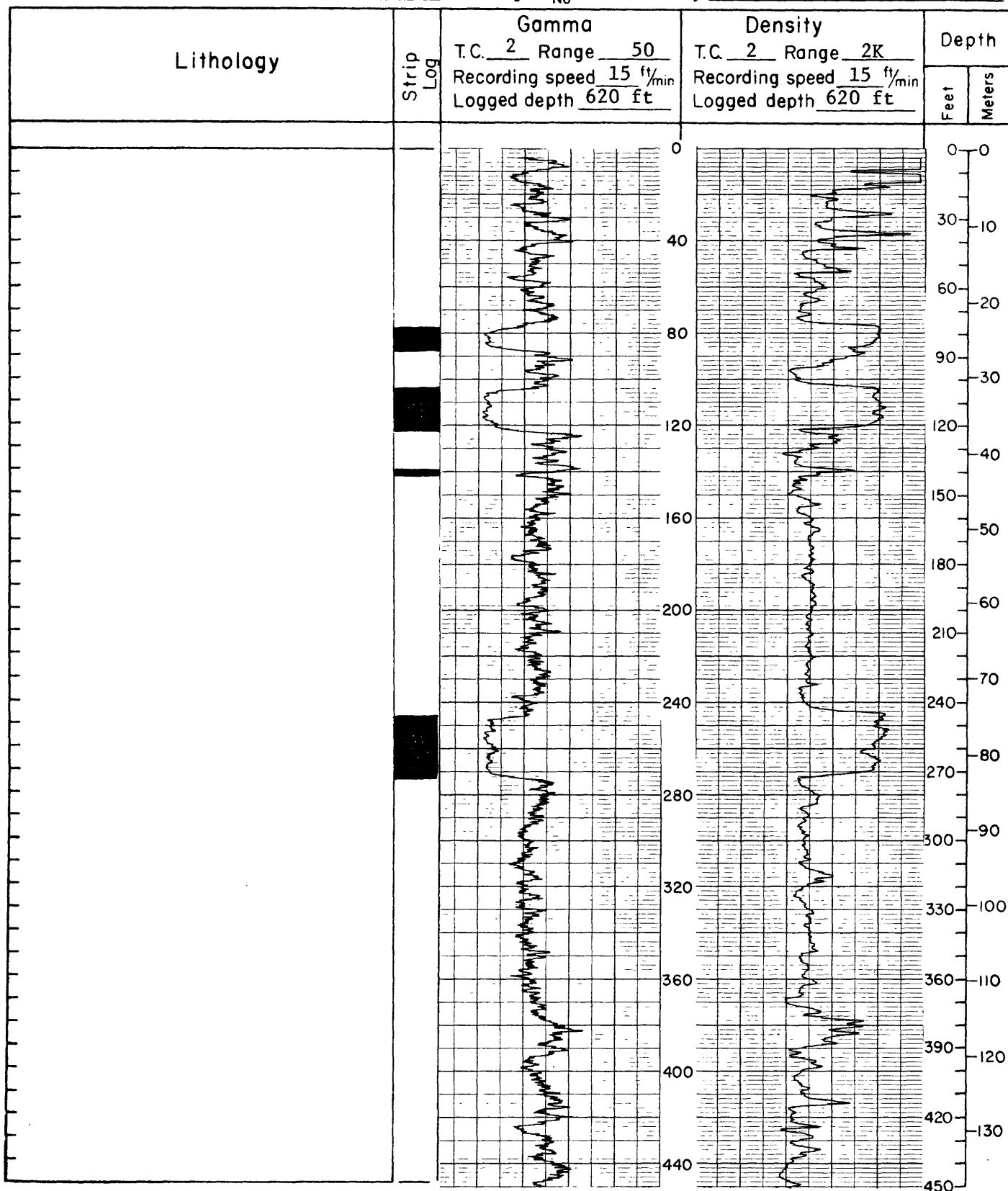


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Hole no: US-7752 Map: Half Moon Hill Date: 7/3/77 State: Montana County: Big Horn
 Elev.: 4498 ft Location: T. 7 ^N_S, R. 39 ^E_W, Sec. 11, Tract DDBB Drilled depth: 625 ft
 Measured: 1210 ft ^{RMKX}_{FSL}, 1000 ft ^{FEL}_{FSL} Hole size: 4 3/4 in. Air ☒ Water ☒ Cored: Yes ☐ No ☒

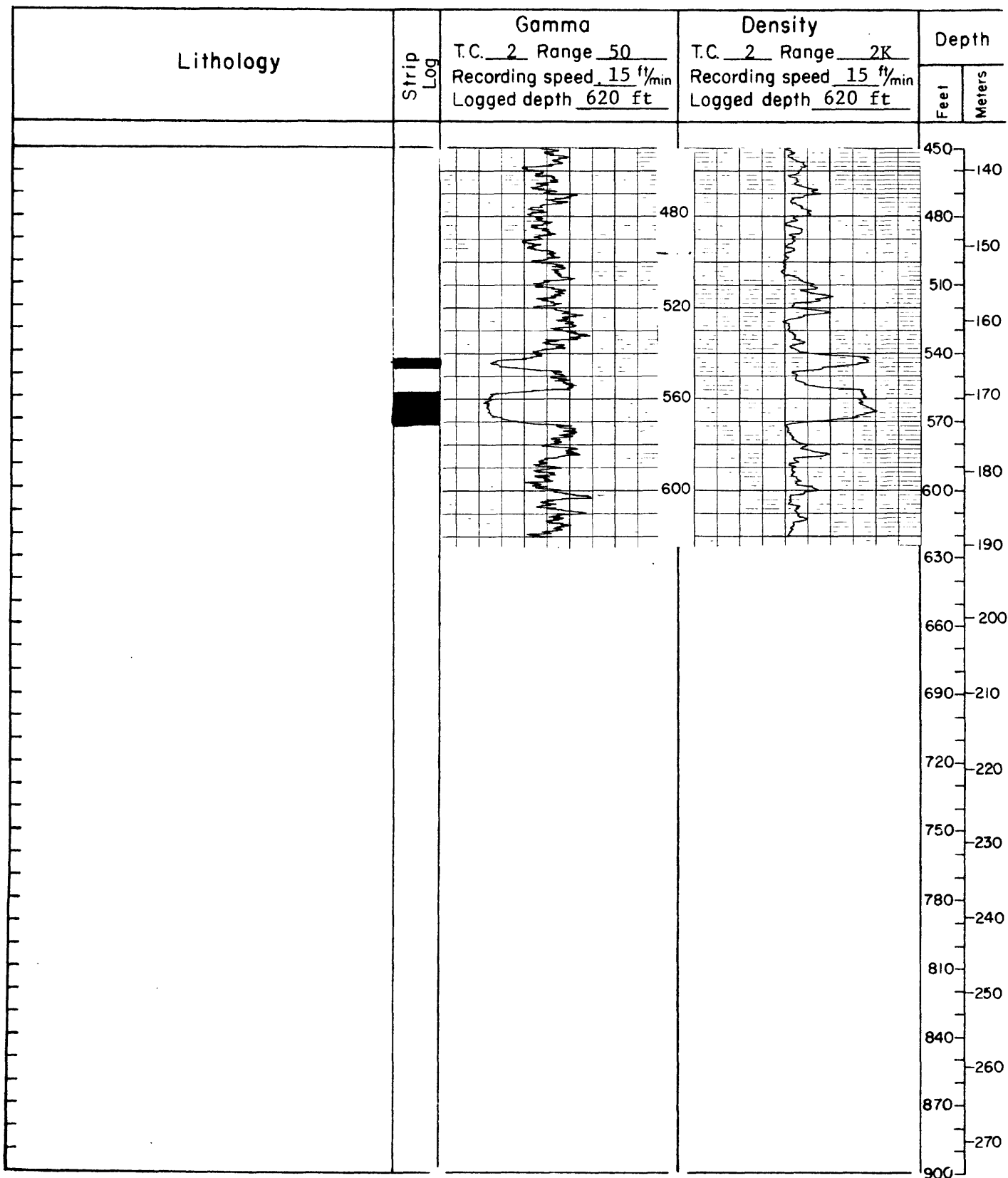
Remarks: U.S Geological Survey observation well.

Recorded by: E. WOODS (PINCHOCK checked) Geologist ^{Yes}_{No} Recorded by: L. SAUER



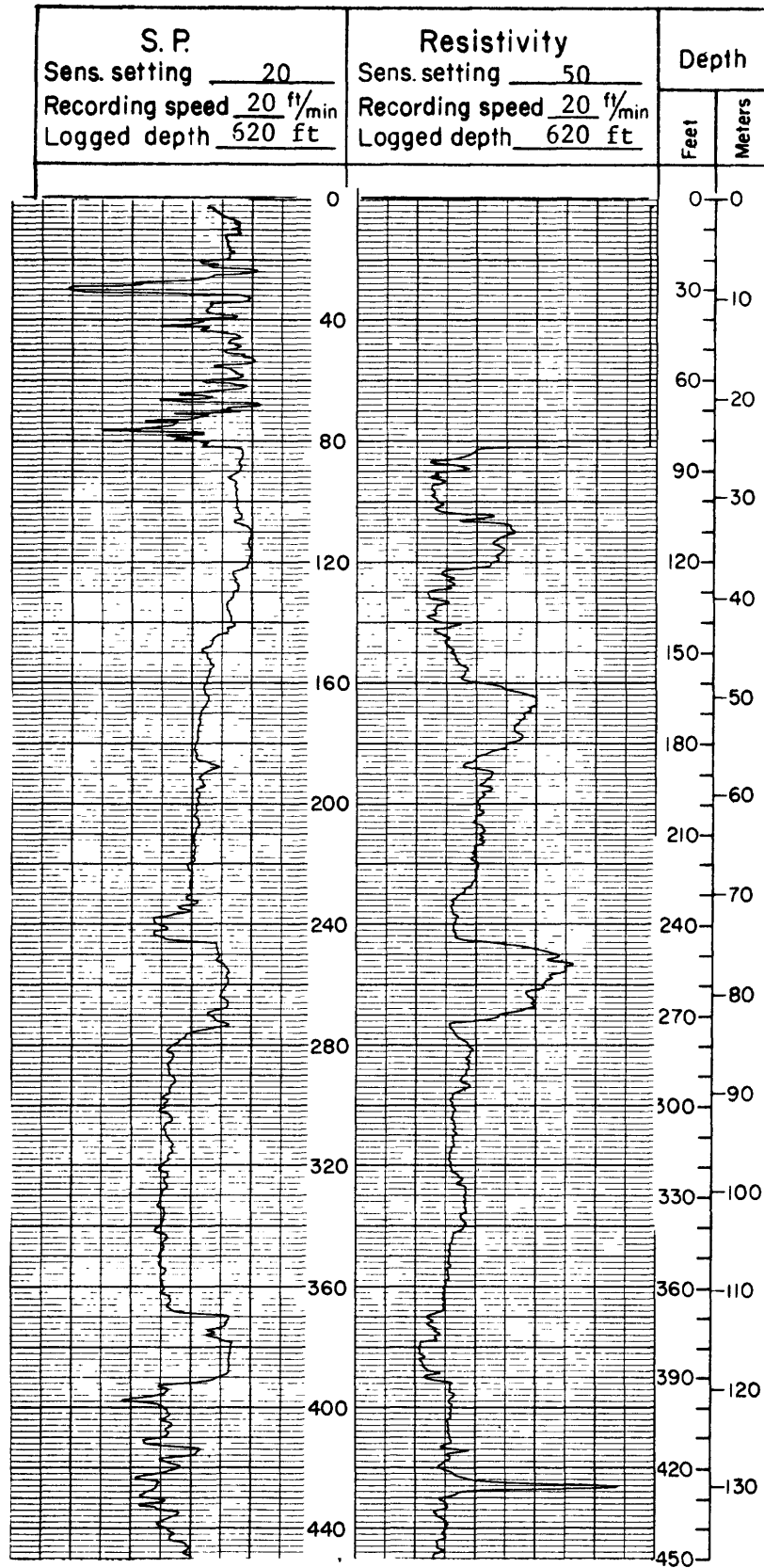
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US - 7752



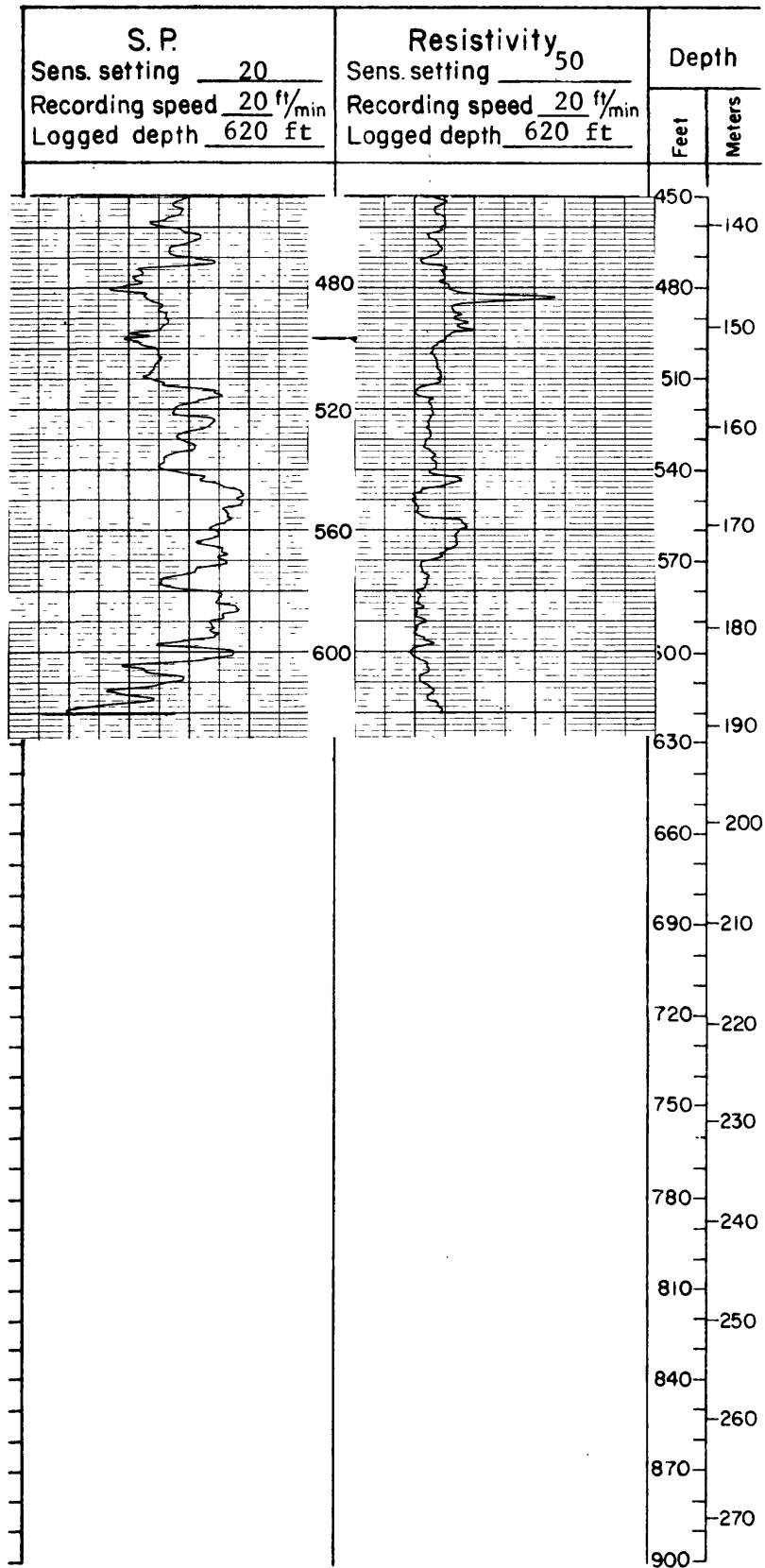
Hole number (continued)

US - 7752



Hole number (continued)

US - 7752



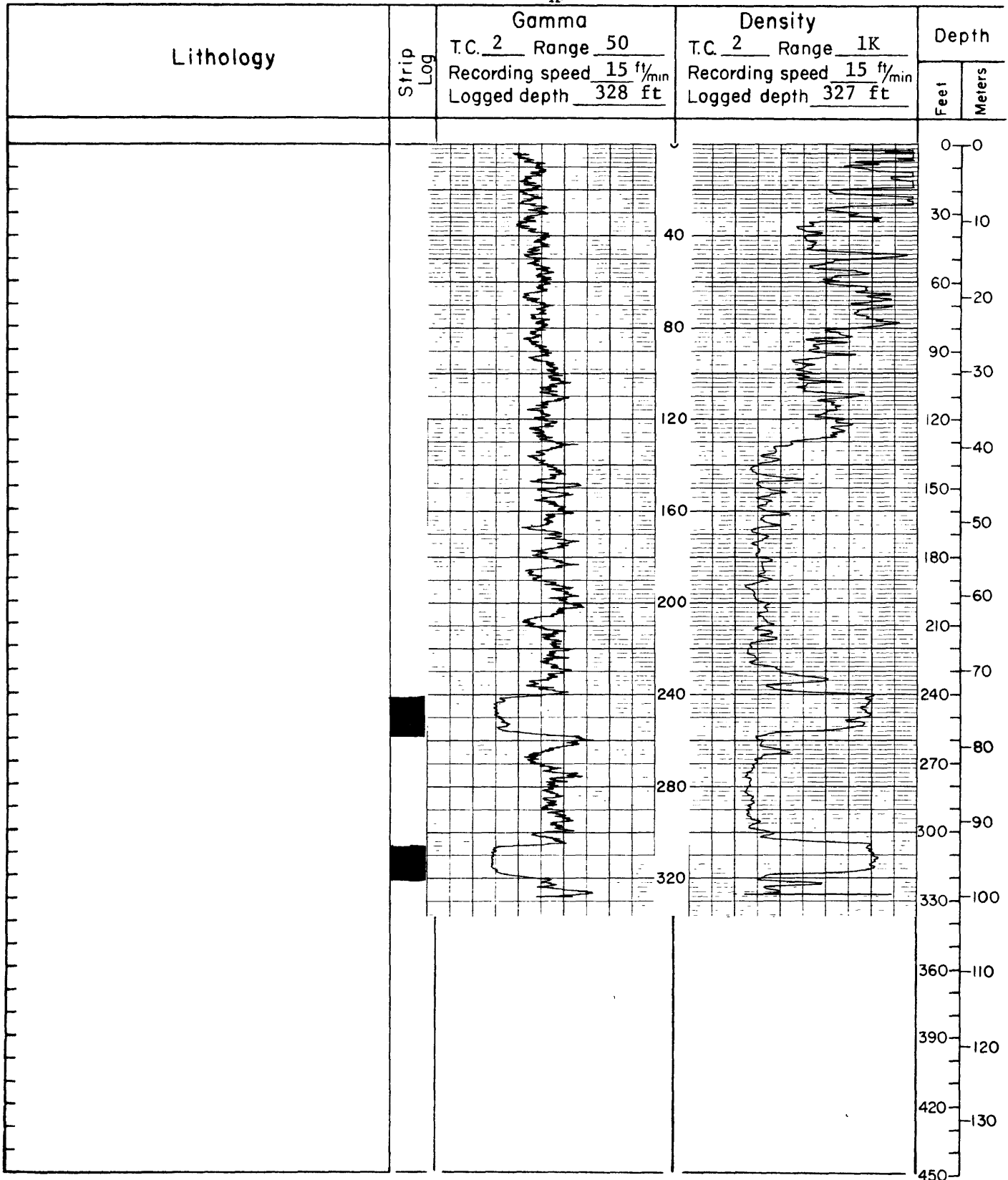
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Hole no: US-7753 Map: Half Moon Hill Date 7/14/77 State: Montana County: Big Horn
 Elev.: 3903 ft Location: T. 8 S., R. 39 E., Sec. 10, Tract CBAB Drilled depth: 330 ft
 Measured: 2400 ft ~~FSL~~ 880 ft ~~FWL~~ Hole size 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

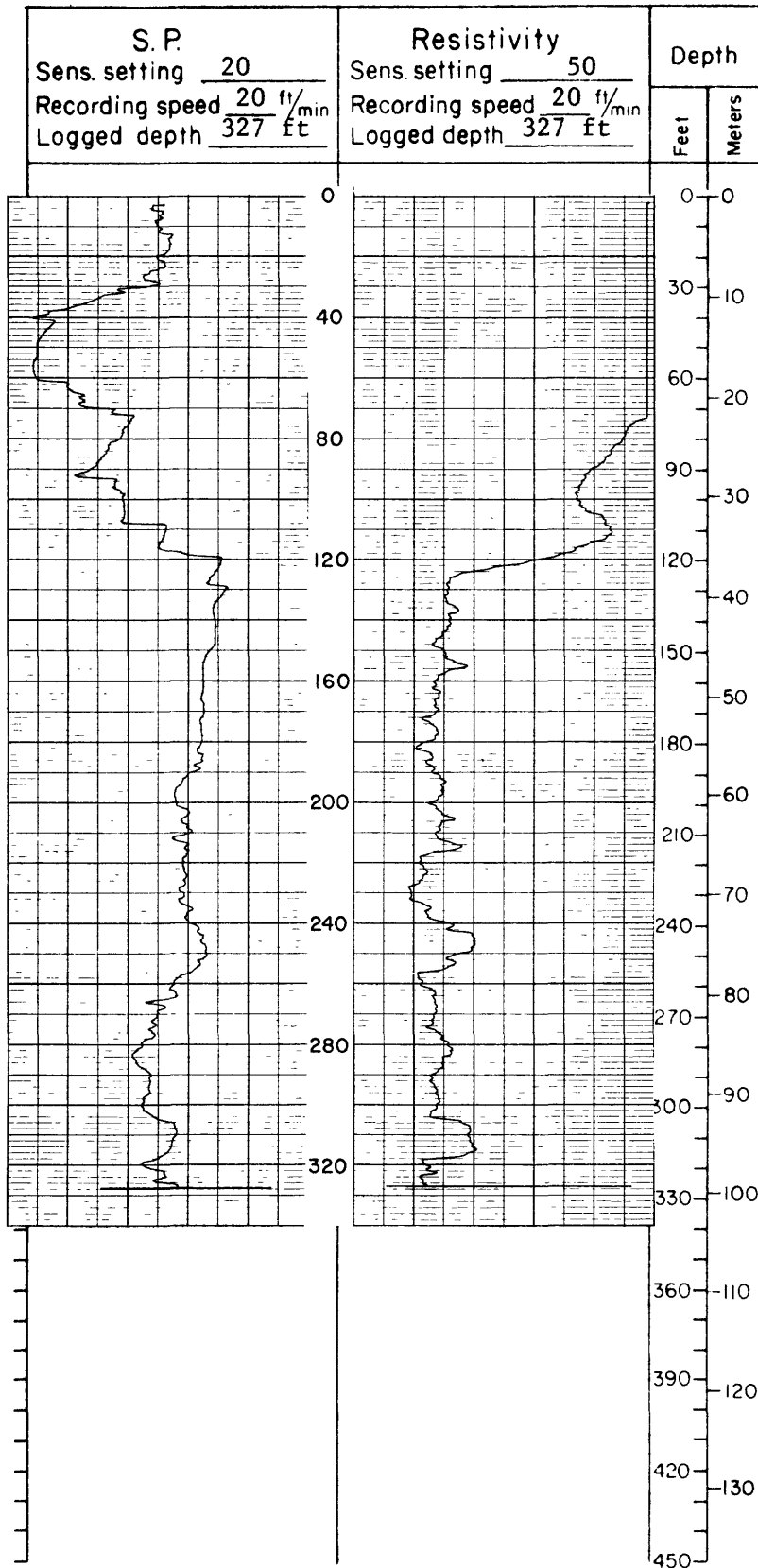
Recorded by: J. PINCHOCK

Geologist ^{Yes}/_{No} Recorded by: H. JENSEN



Hole number (continued)

US - 7753



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Hole no: US-7754 Map: Half Moon Hill Date 7/14/77 State: Montana County: Big Horn
 Elev.: 3923 ft Location: T. 8 ^N S, R. 39 ^E W, Sec. 15, Tract CBA Drilled depth: 160 ft
 Measured: 2360 ft ^{FSL} 1120 ft ^{FWL} Hole size: 4 3/4 in Air ☐ Water ☒ Cored: Yes ☐ No ☒
 Remarks: No logs.

Recorded by: E. WOODS Geologist 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
Clinker				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	

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Hole no: US-7755 Map: Half Moon Hill Date: 7/16/77 State: Montana County: Big Horn

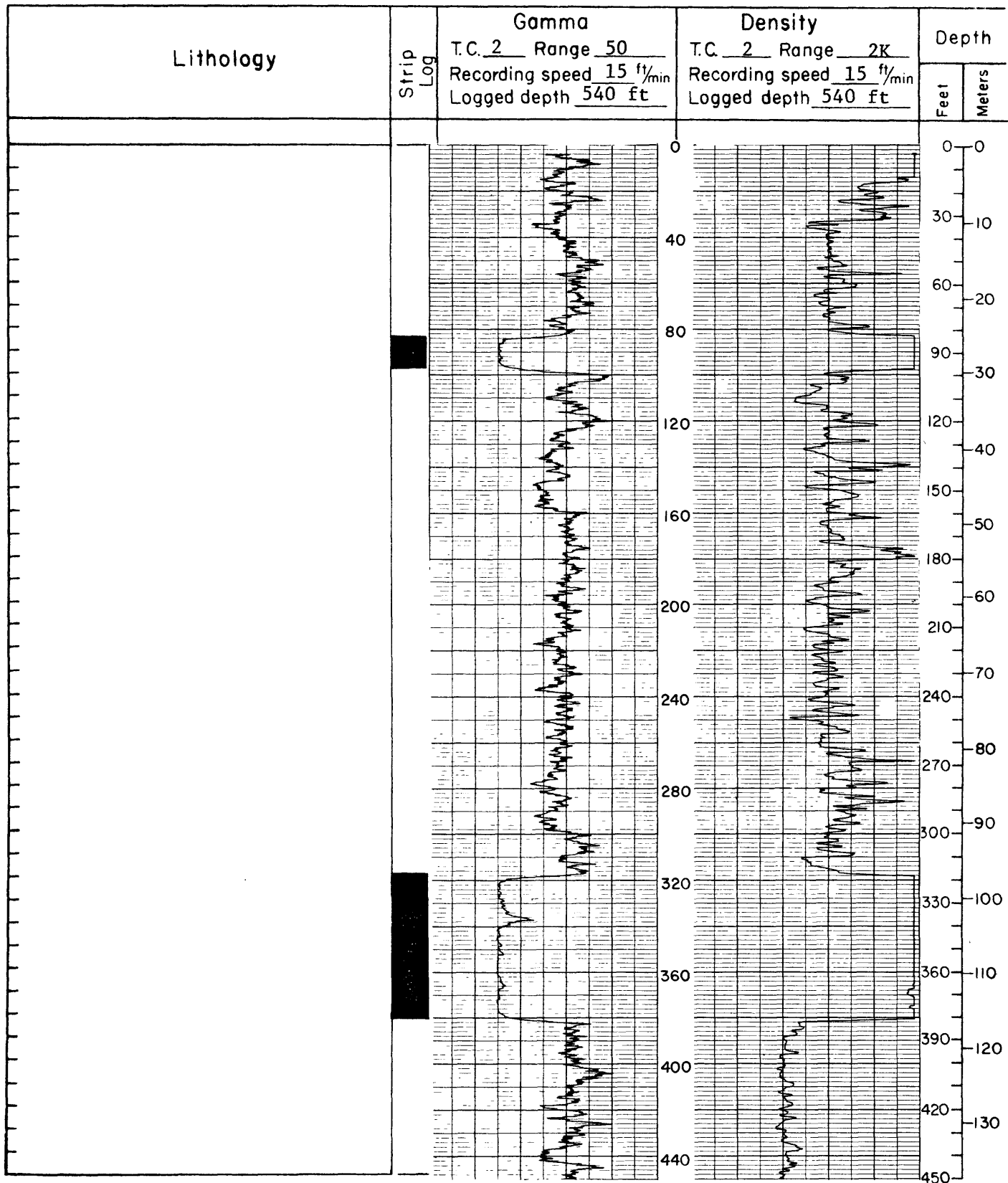
Elev.: 4010 ft Location: T. 8 S, R. 39 E, Sec. 13, Tract BDAD Drilled depth: 540 ft

Measured: 1800 ft FNL, 2440 ft FSL, 2440 ft FWL Hole size: 4 3/4 in Air ☒ Water ☒ Cored: Yes ☐ No ☒

Remarks: Lost circulation; no Sp-Er.

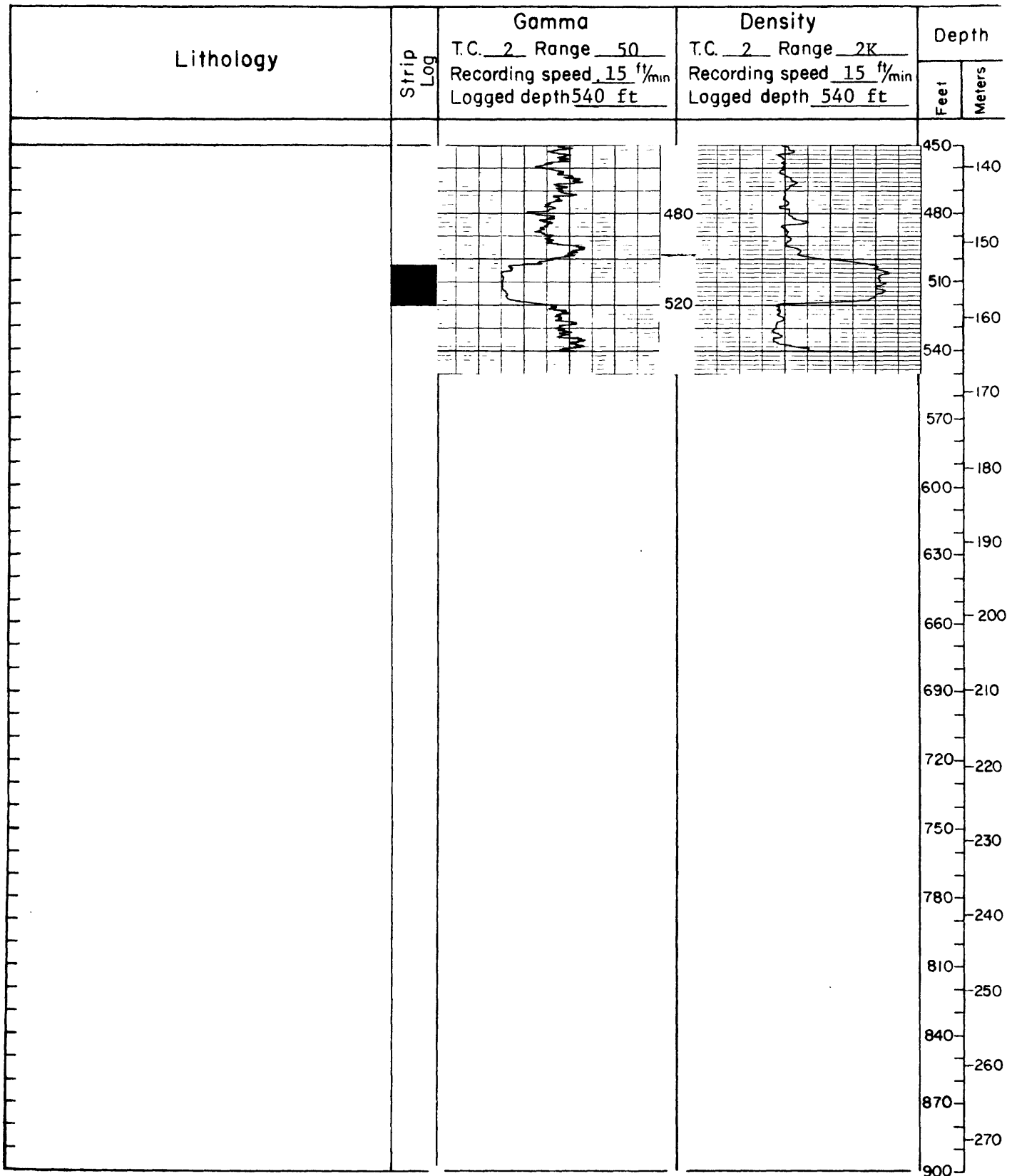
Recorded by: E. WOODS

Geologist no Recorded by: J. JENSEN



Hole number (continued)

US - 7755



Montana College of Mineral Science and Technology

Hole no: US-7756 Map: Decker Date: 7/15/77 State: Montana County: Big Horn
 Elev.: 3679 ft Location: T. 8 N. 40 E. Sec. 28, Tract CBDD Drilled depth: 160 ft
 Measured: 1590 ft FSL, 1110 ft FSL Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: No logs.

Recorded by: E. WOODS

Geologist no Recorded by: J. JENSEN

Lithology	Strip Log	Gamma	Density	Depth	
		T.C. _____ Range _____ Recording speed _____ f/min Logged depth _____	T.C. _____ Range _____ Recording speed _____ f/min Logged depth _____	Feet	Meters
Clinker				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	

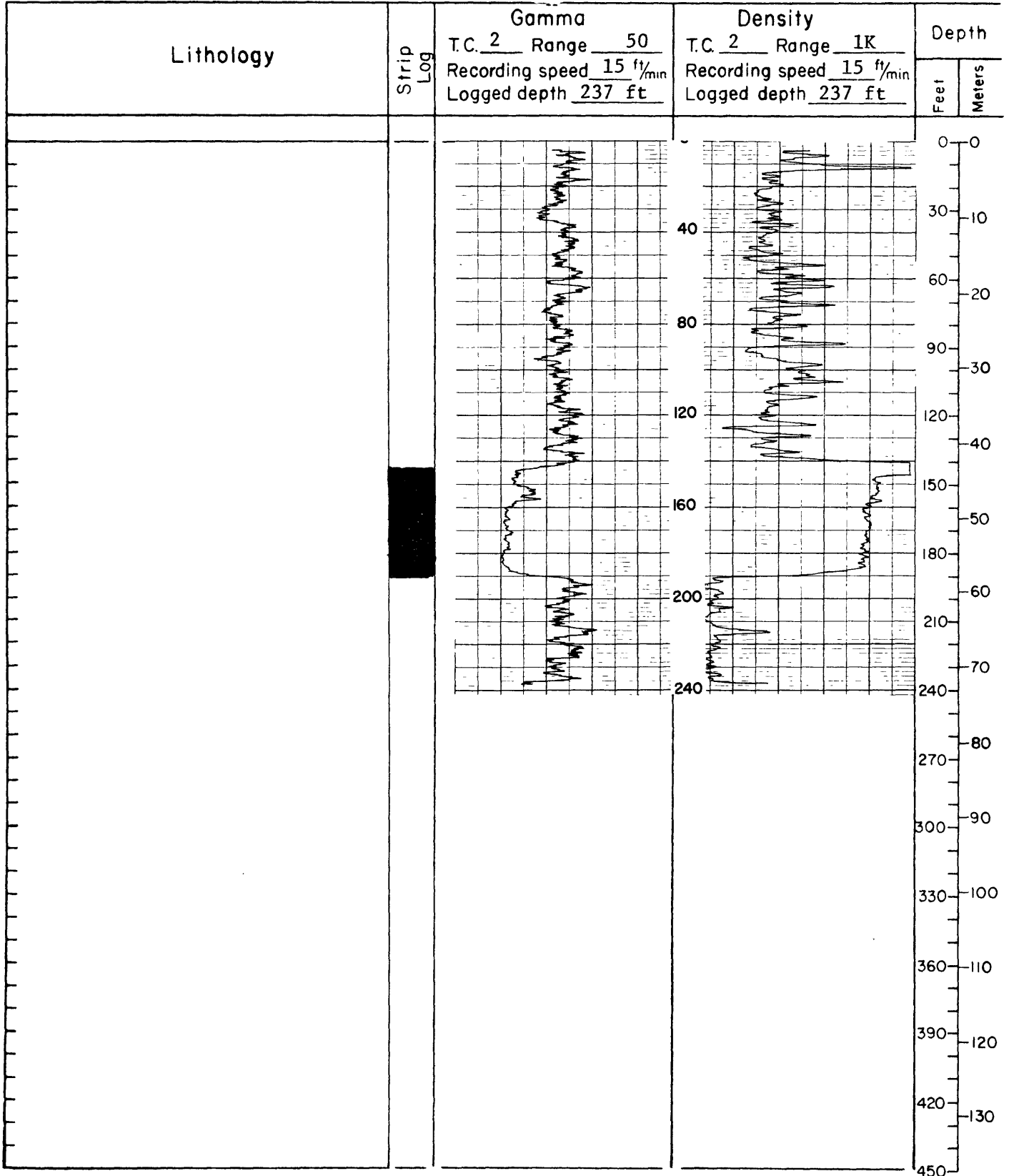
MONTANA BUREAU OF MINES AND GEOLOGY
Montana College of Mineral Science and Technology

Hole no: US-7757 Map: Decker Date: 7/16/78 State: Montana County: Big Horn
 Elev.: 3654 ft Location: T. 8 ^N S, R. 40 ^E W, Sec. 29, Tract CCCC Drilled depth: 240 ft
 Measured: 300 ft ~~FSL~~ ^{FSL}, 10 ft ~~FWL~~ ^{FWL} Hole size: 4 3/4 in. Air ☒ Water ☐ Cored: Yes ☐ No ☒

Remarks: Lost circulation; no Sp-Er.

Recorded by: E. WOODS

Geologist no Recorded by: J. JENSEN



Montana College of Mineral Science and Technology

Hole no: US-7758 Map: Pearl School Date: 7/17/77 State: Montana County: Big Horn
 Elev.: 3703 ft Location: T. 8 N. S. R. 40 E. Sec. 19, Tract CDDB Drilled depth: 70 ft
 Measured: 520 ft ~~PWT~~ FSL, 2000 ft ~~FSL~~ FWL Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

Recorded by: E. WOODS

Geologist no _____ Recorded by: J. JENSEN

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
Clinker				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	

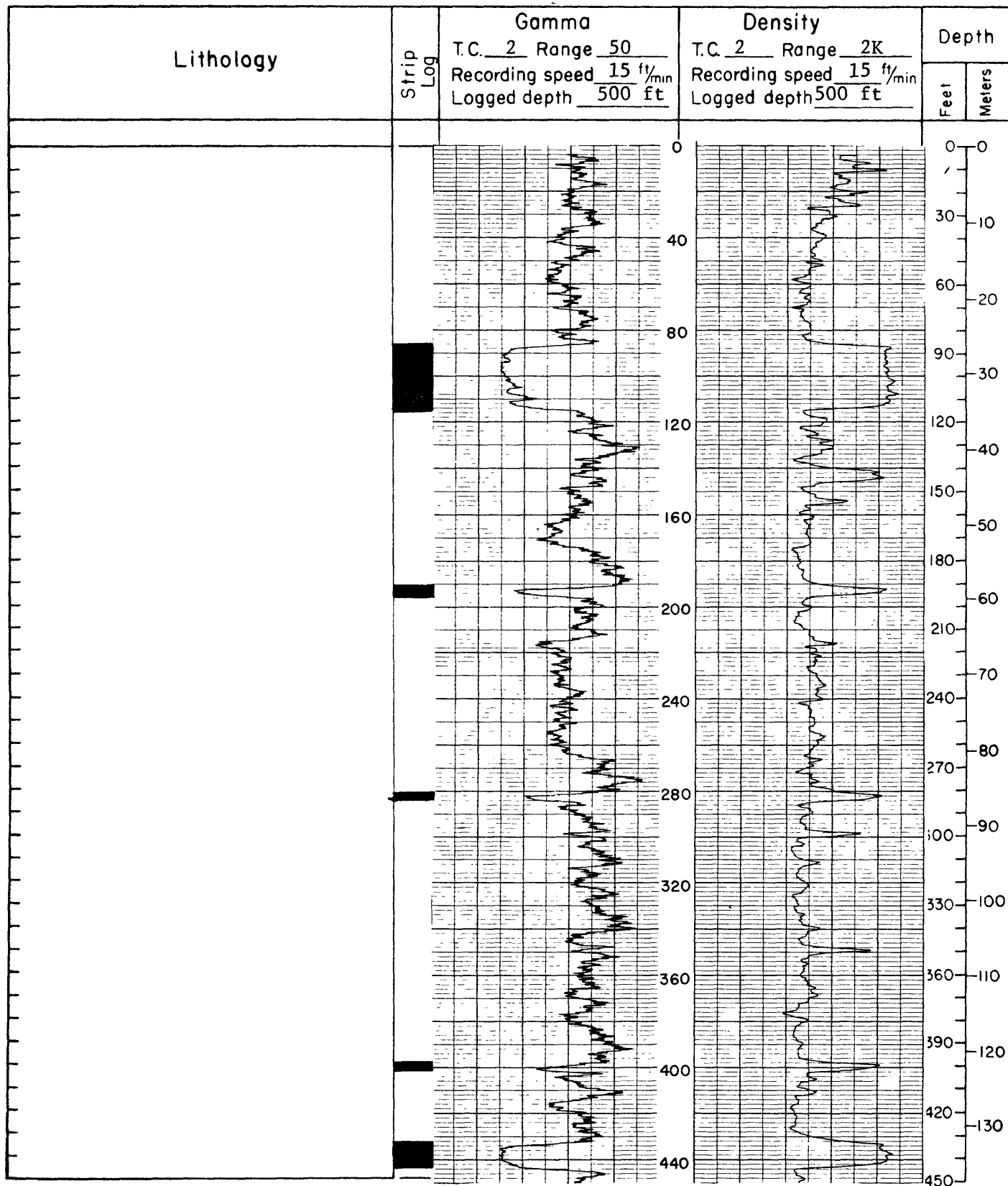
MONTANA BUREAU OF MINES AND GEOLOGY
Montana College of Mineral Science and Technology

Hole no: US-7759 Map: Pine Butte School Date: 7/17/77 State: Montana County: Big Horn
 Elev.: 3775 ft Location: T. 8 S, R. 42 E, Sec. 27, Tract AADA Drilled depth: 500 ft
 Measured: 665 ft FNL 50 ft FEL 50 ft Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

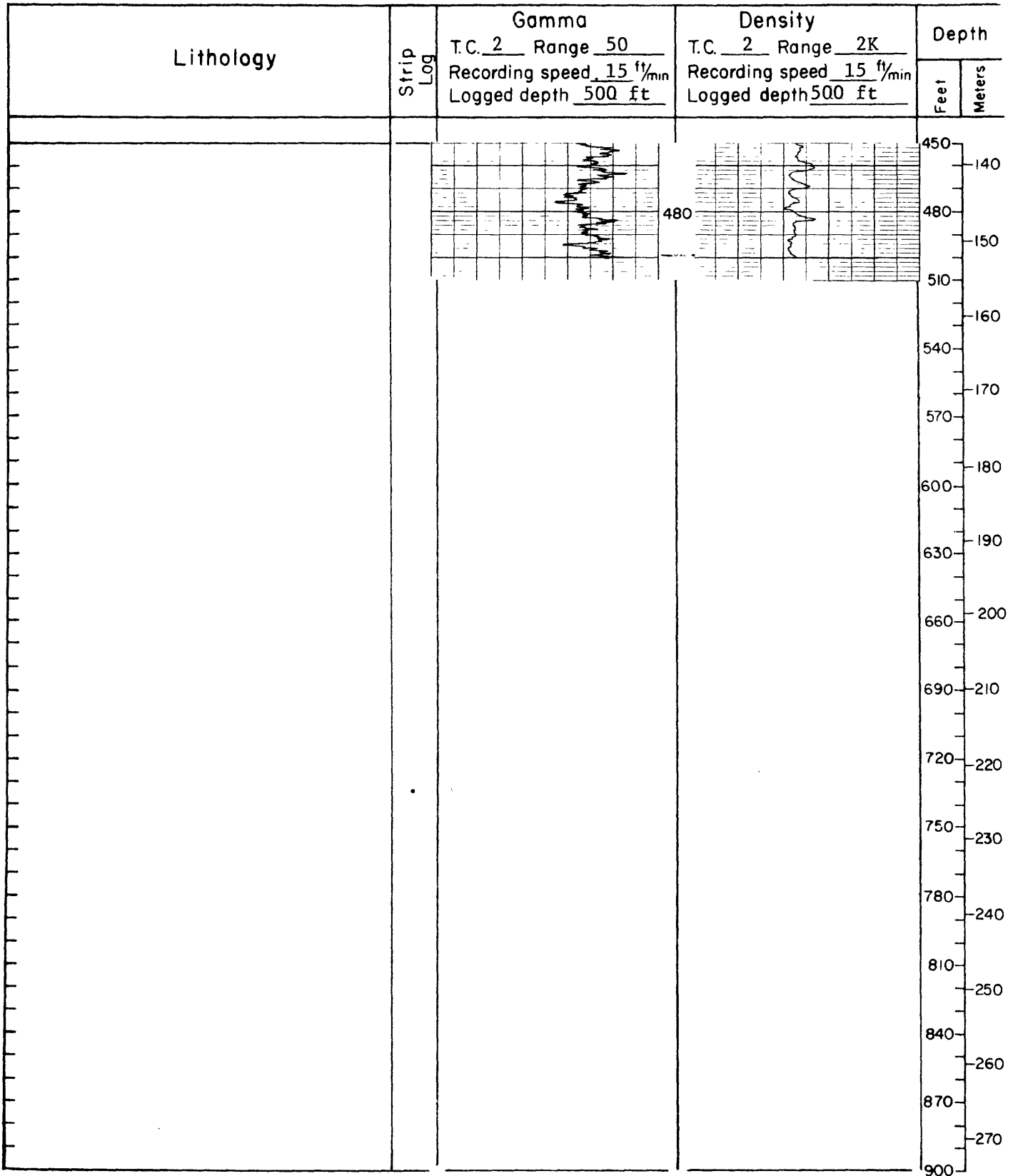
Recorded by: E. WOODS

Geologist no Recorded by: J. JENSEN



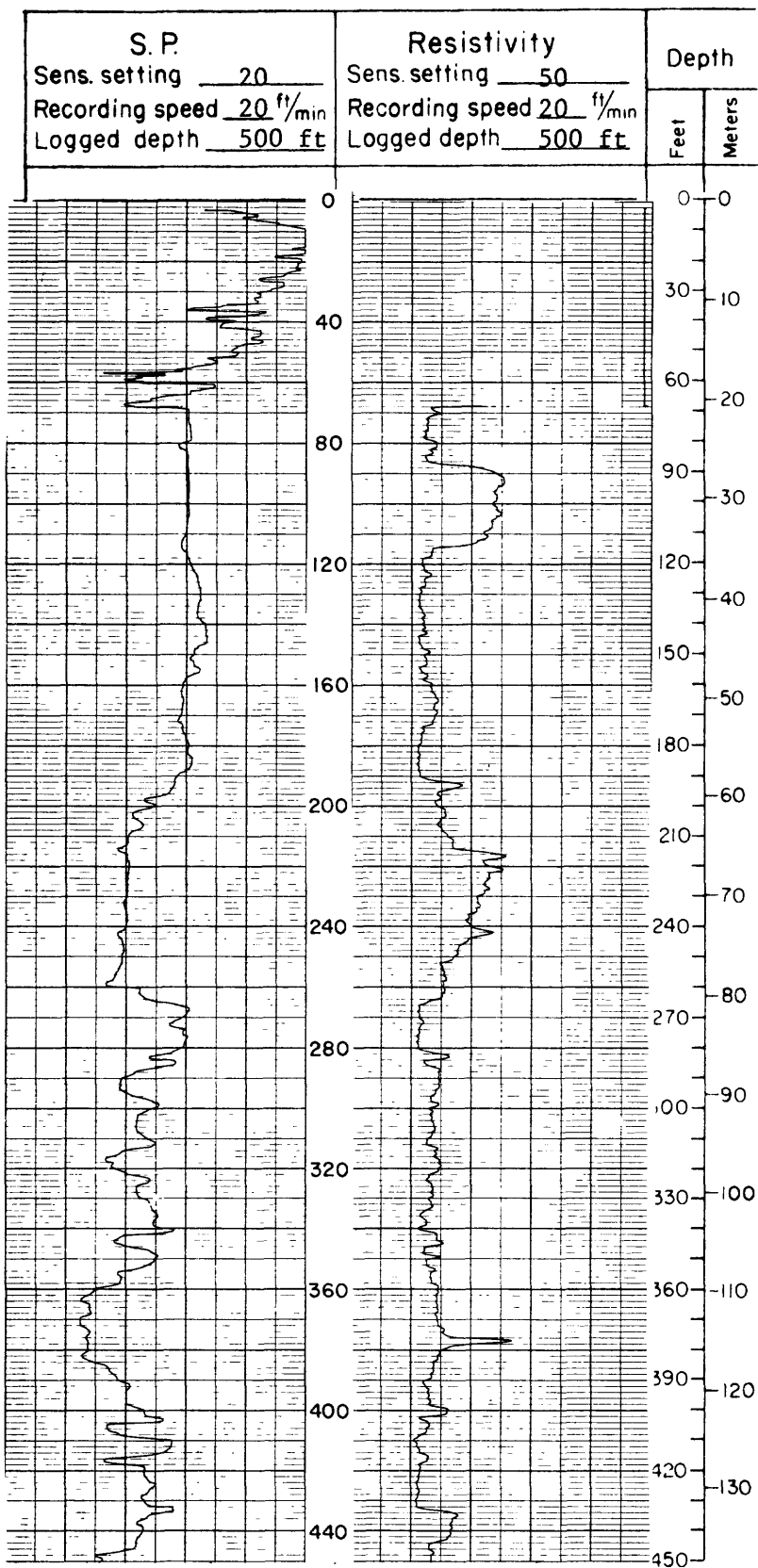
Hole number (continued)

US-7759



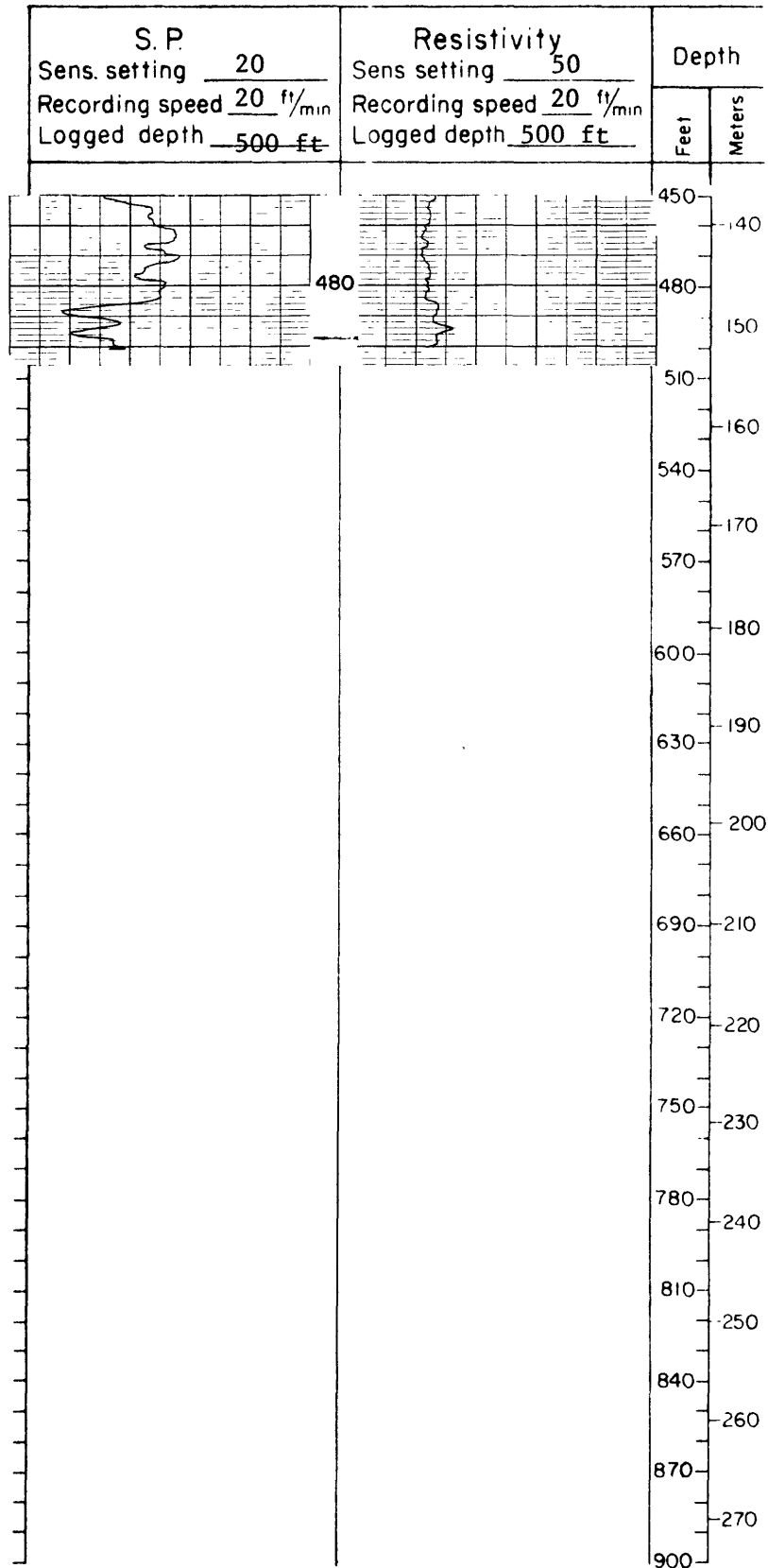
Hole number (continued)

US-7759



Hole number (continued)

US - 7759

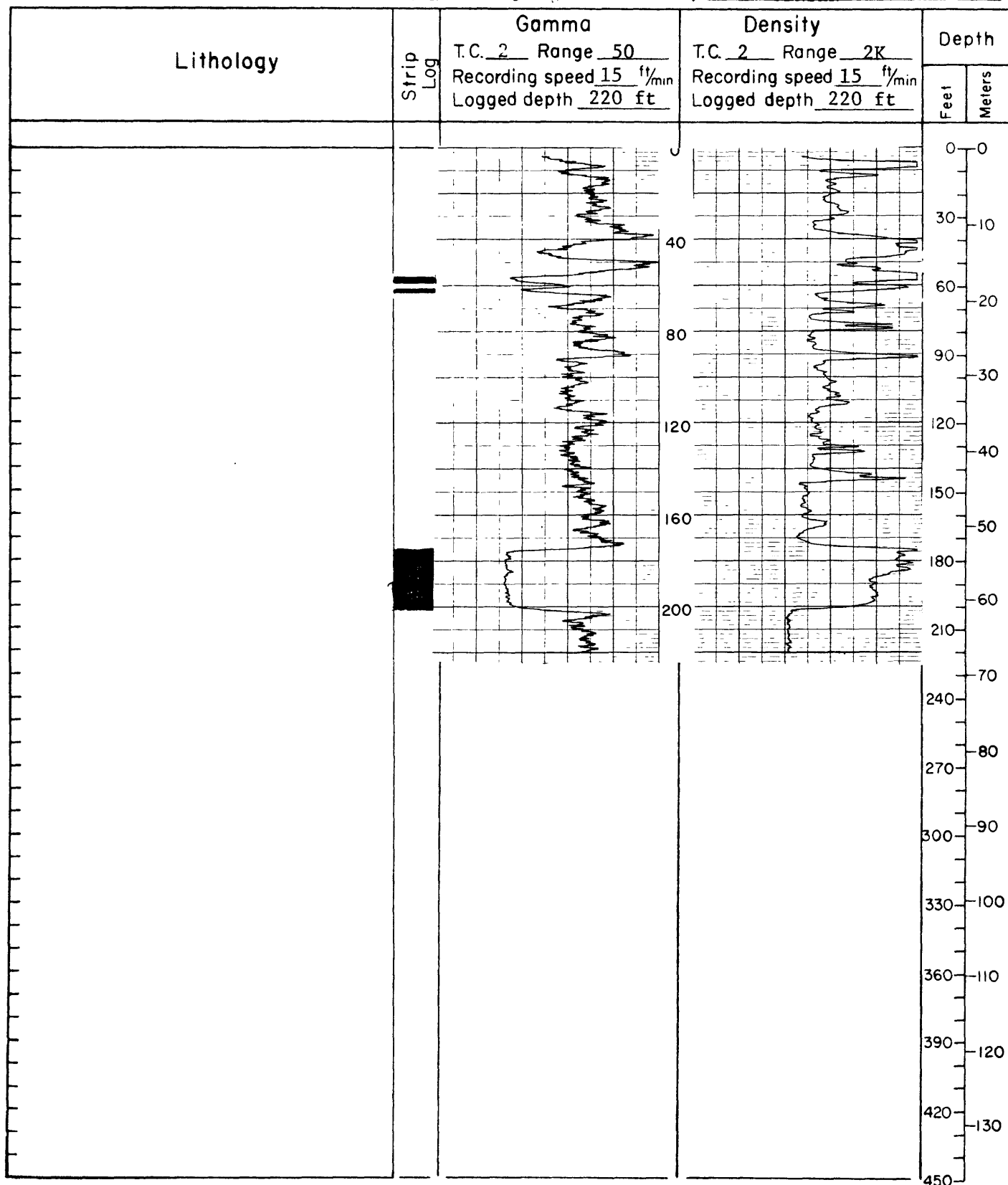


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Hole no: US-7760 Map: Pine Butte School Date: 7/18/78 State: Montana County: Big Horn
 Elev.: 3899 ft Location: T. 8 ^N~~S~~, R. 42 ^E~~W~~, Sec. 23, Tract DACD Drilled depth: 220 ft
 Measured: 1360 ft ^{NK}~~FSL~~, 800 ft ^{FEL}~~RW~~ Hole size: 4 3/4 in. Air ☒ Water ☒ Cored: Yes ☐ No ☒
 Remarks: Lost circulation; no Sp-Er.

Recorded by: E. WOODS

Geologist no _____ Recorded by: J. JENSEN



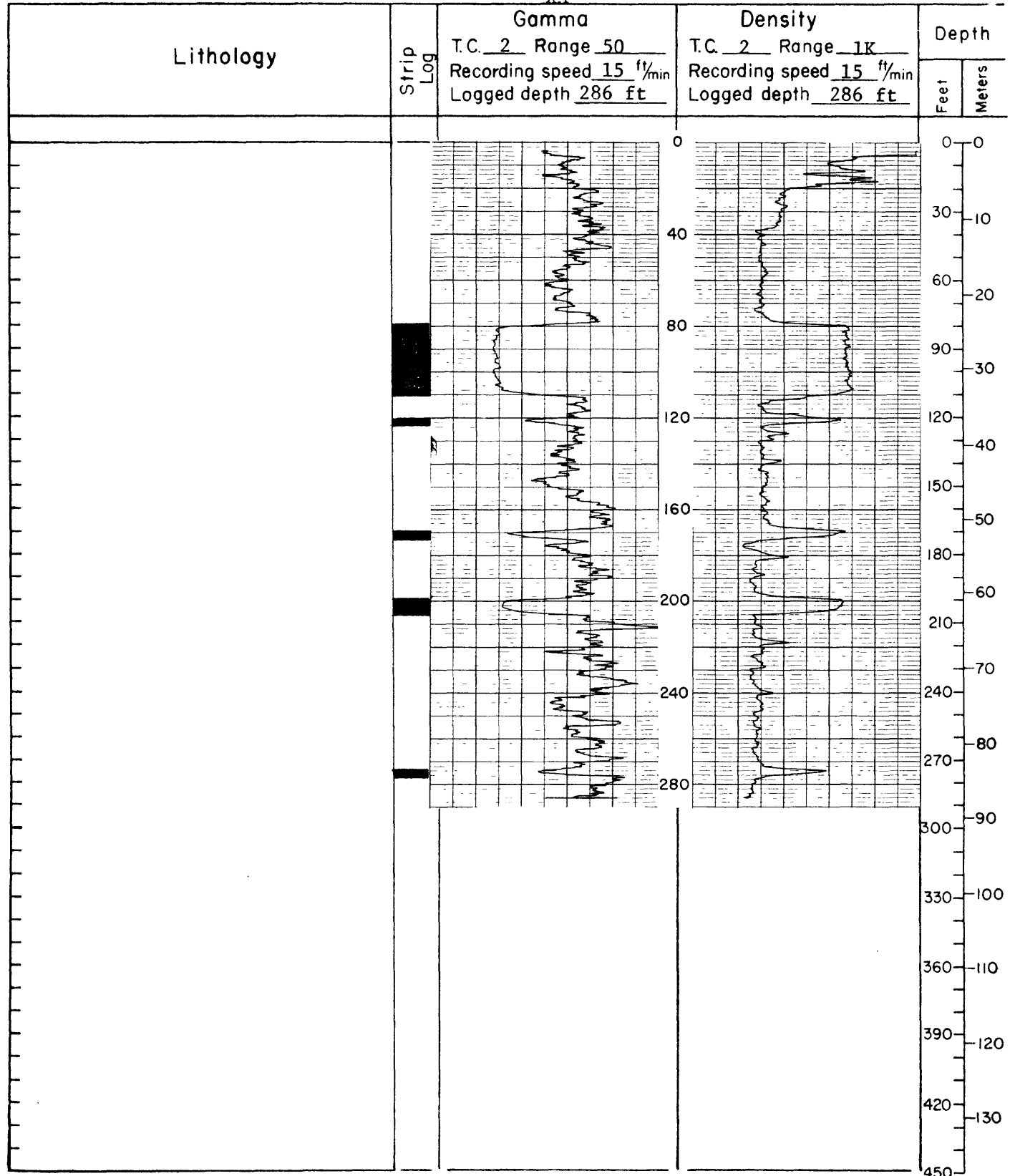
MONTANA BUREAU OF MINES AND GEOLOGY
Montana College of Mineral Science and Technology

Hole no: US-7761 Map: Pine Butte School Date: 7/19/77 State: Montana County: Big Horn
 Elev.: 3705 ft Location: T. 8 N. R. 43 E. Sec. 19, Tract DCBC Drilled depth: 290 ft
 Measured: 790 ft ^{FNL} 2600 ft ^{FEL} ~~FSL~~ Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

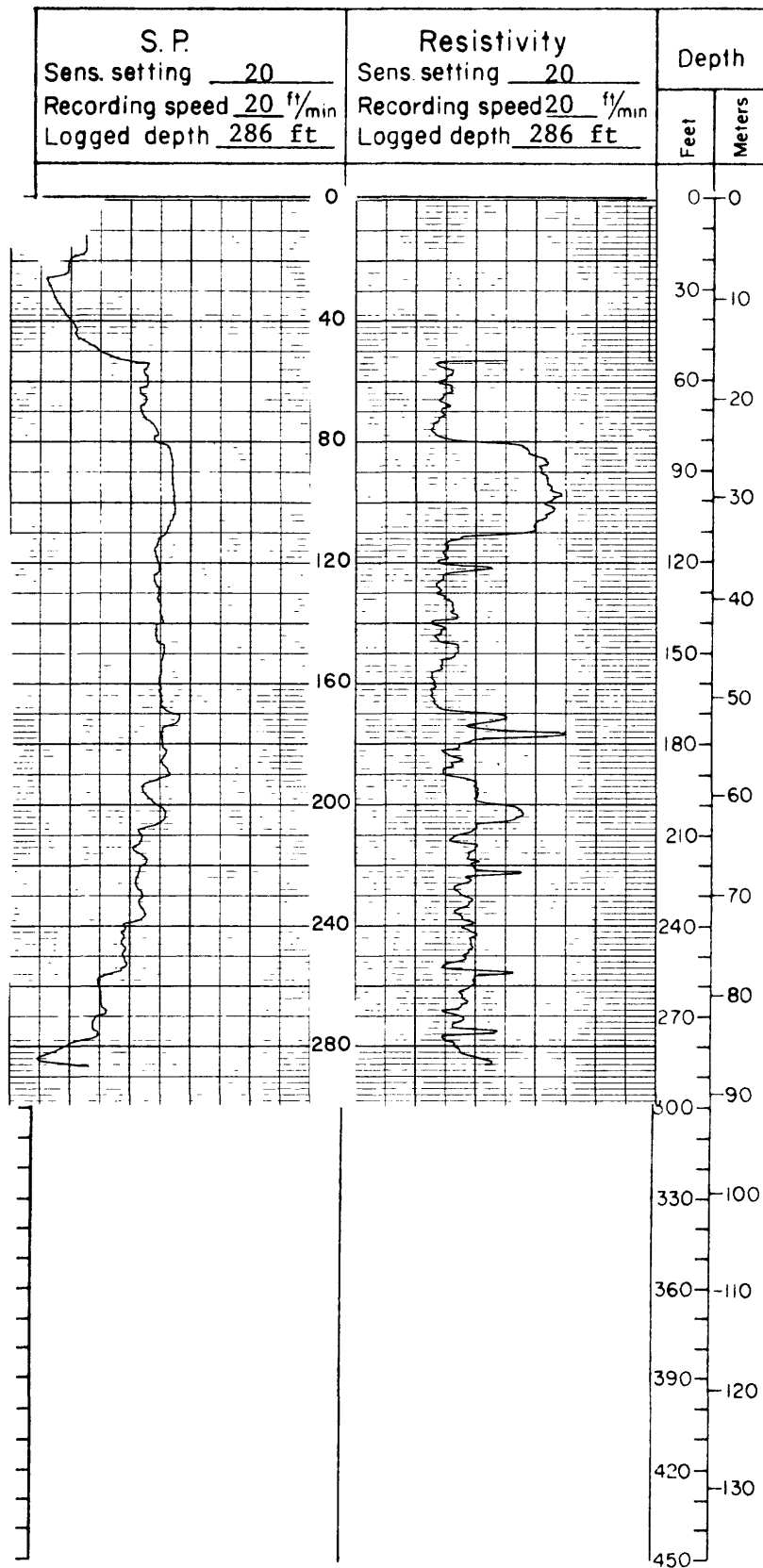
Recorded by: E. WOODS

Geologist no _____ Recorded by: J. JENSEN



Hole number (continued)

US - 7761



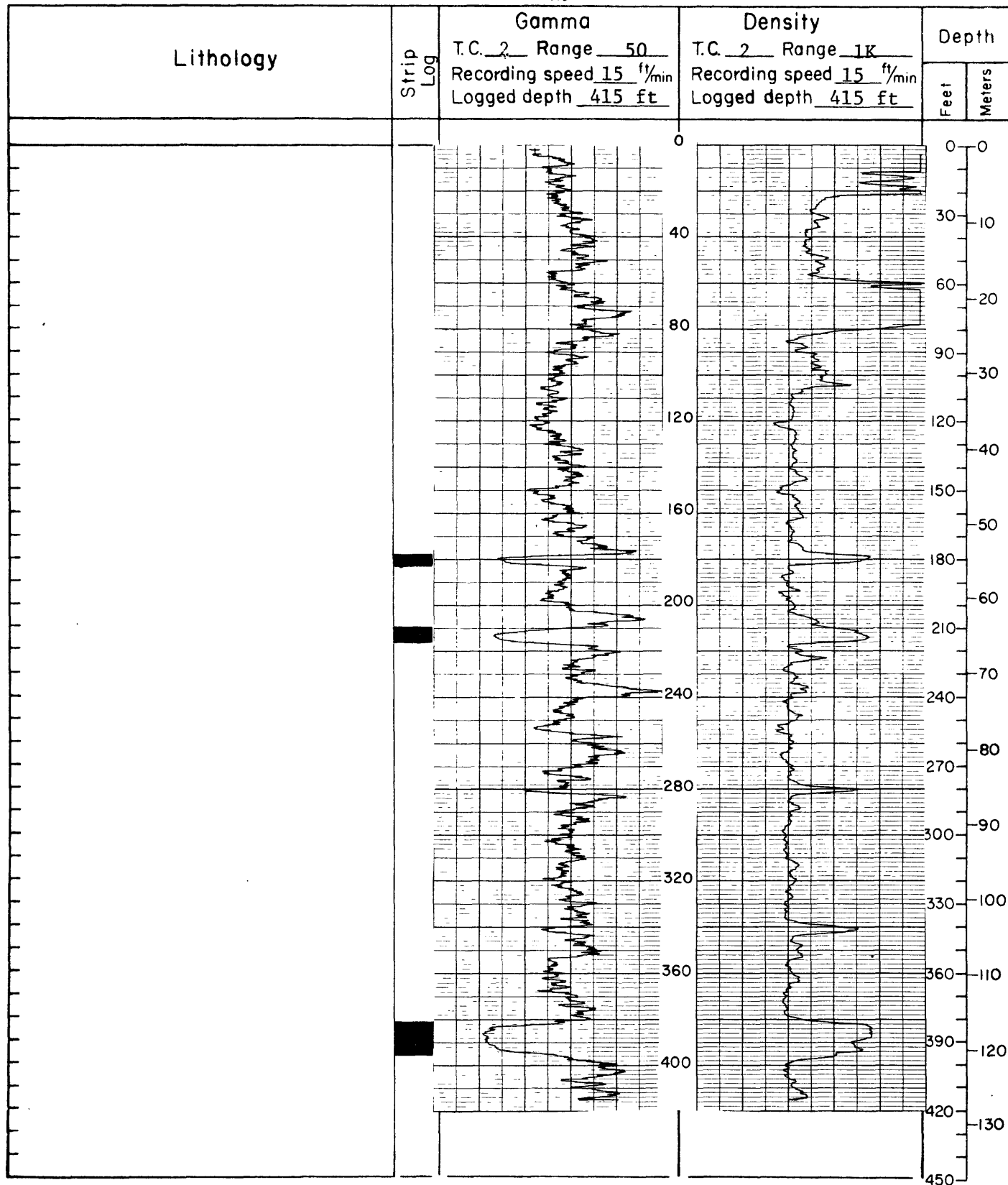
MONTANA BUREAU OF MINES AND GEOLOGY
Montana College of Mineral Science and Technology

Hole no: US-7762 Map: Pine Butte School Date: 7/20/77 State: Montana County: Big Horn
 Elev.: 3681 ft Location: T. 8 S., R. 43 E., Sec. 30, Tract CADD Drilled depth: 415 ft
 Measured: 1600 ft FSL, 2580 ft FWL Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

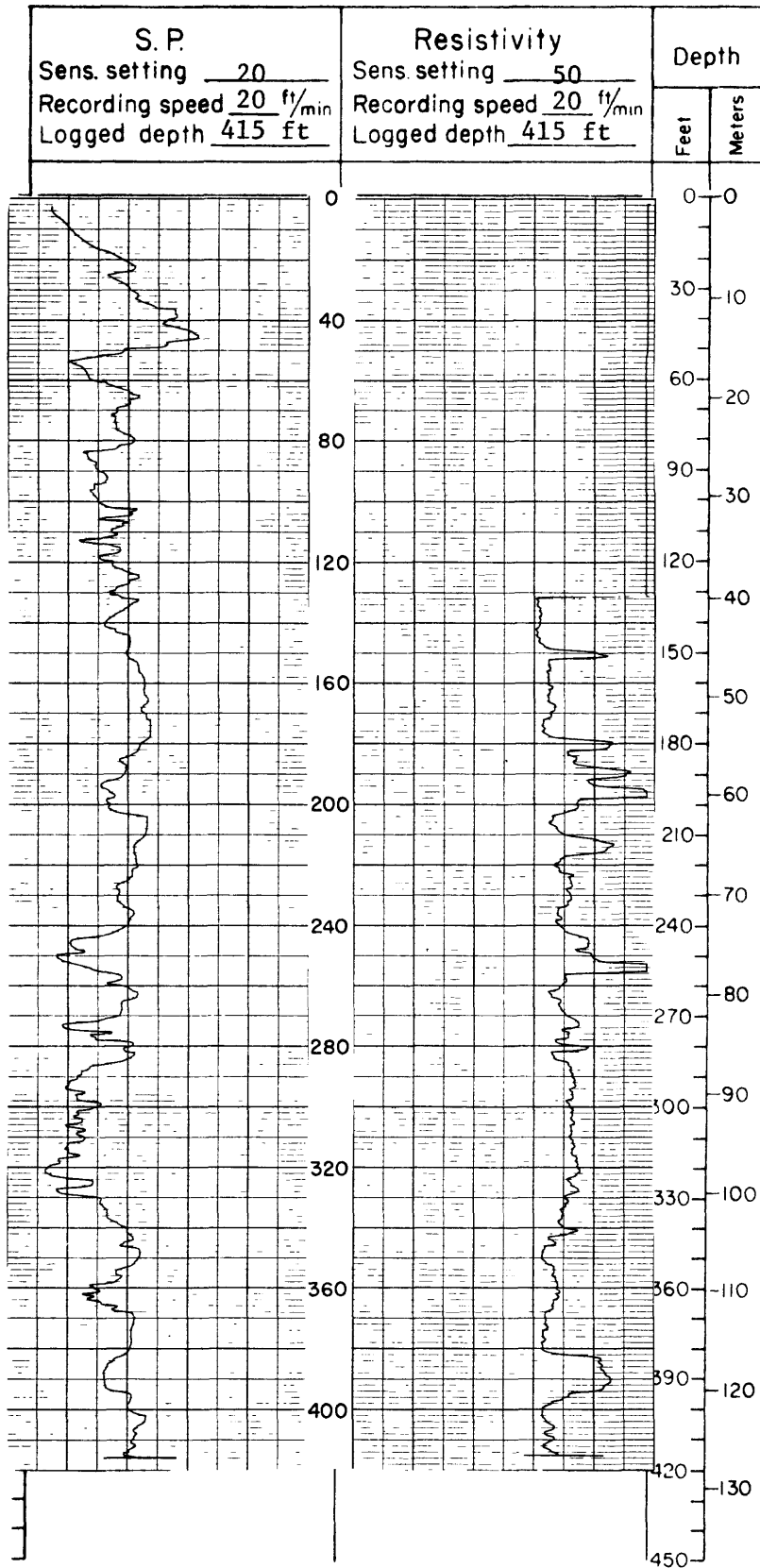
Recorded by: E. WOODS

Geologist YAG No Recorded by: J. JENSEN



Hole number (continued)

US-7762



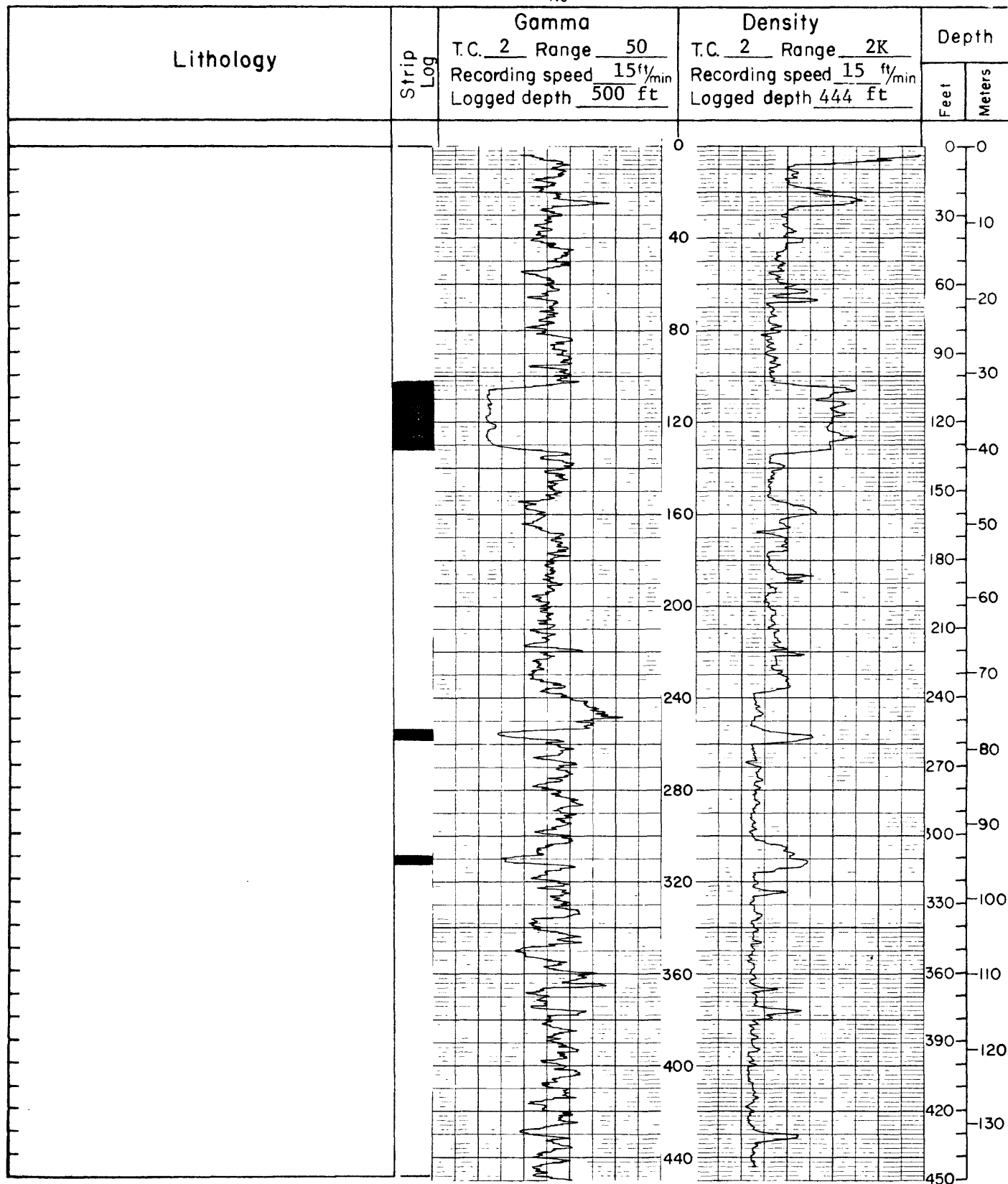
MONTANA BUREAU OF MINES AND GEOLOGY
Montana College of Mineral Science and Technology

Hole no: US-7763 Map: Pine Butte School Date: 7/18/77 State: Montana County: Big Horn
 Elev: 3761 ft Location: T. 8 S, R. 42 E, Sec. 25, Tract BCDA Drilled depth: 500 ft
 Measured: 2080 ft FNL, 1120 ft FWL Hole size: 4 3/4 in. Air ☒ Water ☒ Cored: Yes ☐ No ☒

Remarks: Lost circulation; no Sp-Er.

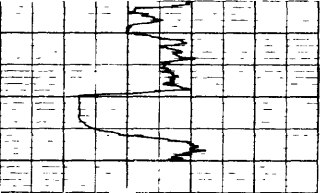
Recorded by: E. WOODS

Geologist ^{Yes}/_{No} Recorded by: J. JENSEN



Hole number (continued)

US-7763

Lithology	Strip Log	Gamma	Density	Depth	
		T.C. <u>2</u> Range <u>50</u> Recording speed <u>15</u> ft/min Logged depth <u>500</u> ft	T.C. <u>2</u> Range <u>2K</u> Recording speed <u>15</u> ft/min Logged depth <u>444</u> ft	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	

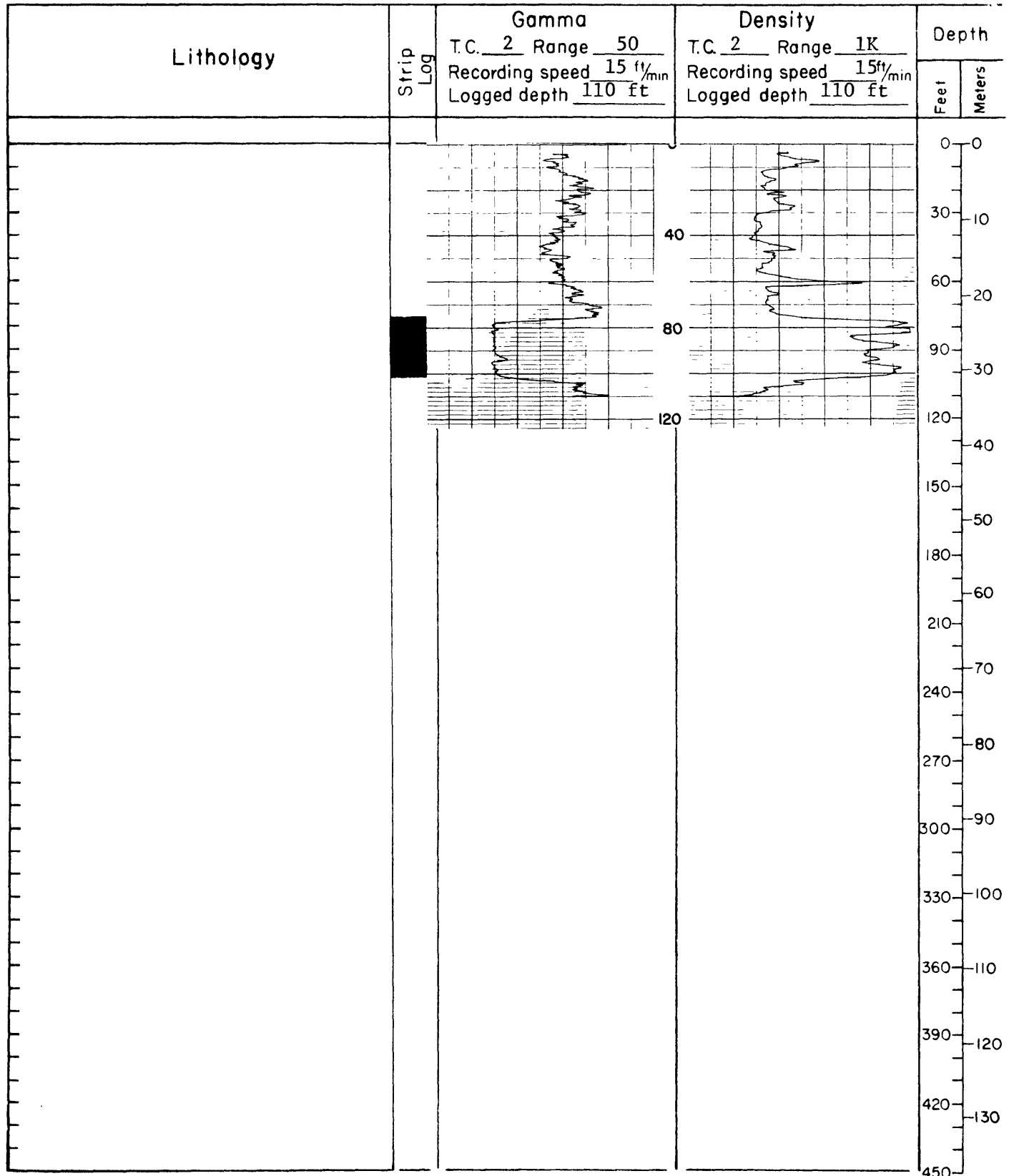
MONTANA BUREAU OF MINES AND GEOLOGY
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Hole no: US-7764 Map: Pine Butte School Date: 7/19/77 State: Montana County: Big Horn
 Elev: 3810 ft Location: T. 8 ^N/_S, R. 42 ^E/_W, Sec. 26, Tract BDDA Drilled depth: 110 ft
 Measured: 2200 ft ^{FNL}/_{FSK} 2475 ft ^{FWL}/_{FWL} Hole size: 4 3/4 in Air ☒ Water ☐ Cored: Yes ☐ No ☒

Remarks: Lost circulation; no Sp-Er.

Recorded by: E. WOODS

Geologist ^{Yes}/_{No} Recorded by: J. JENSEN



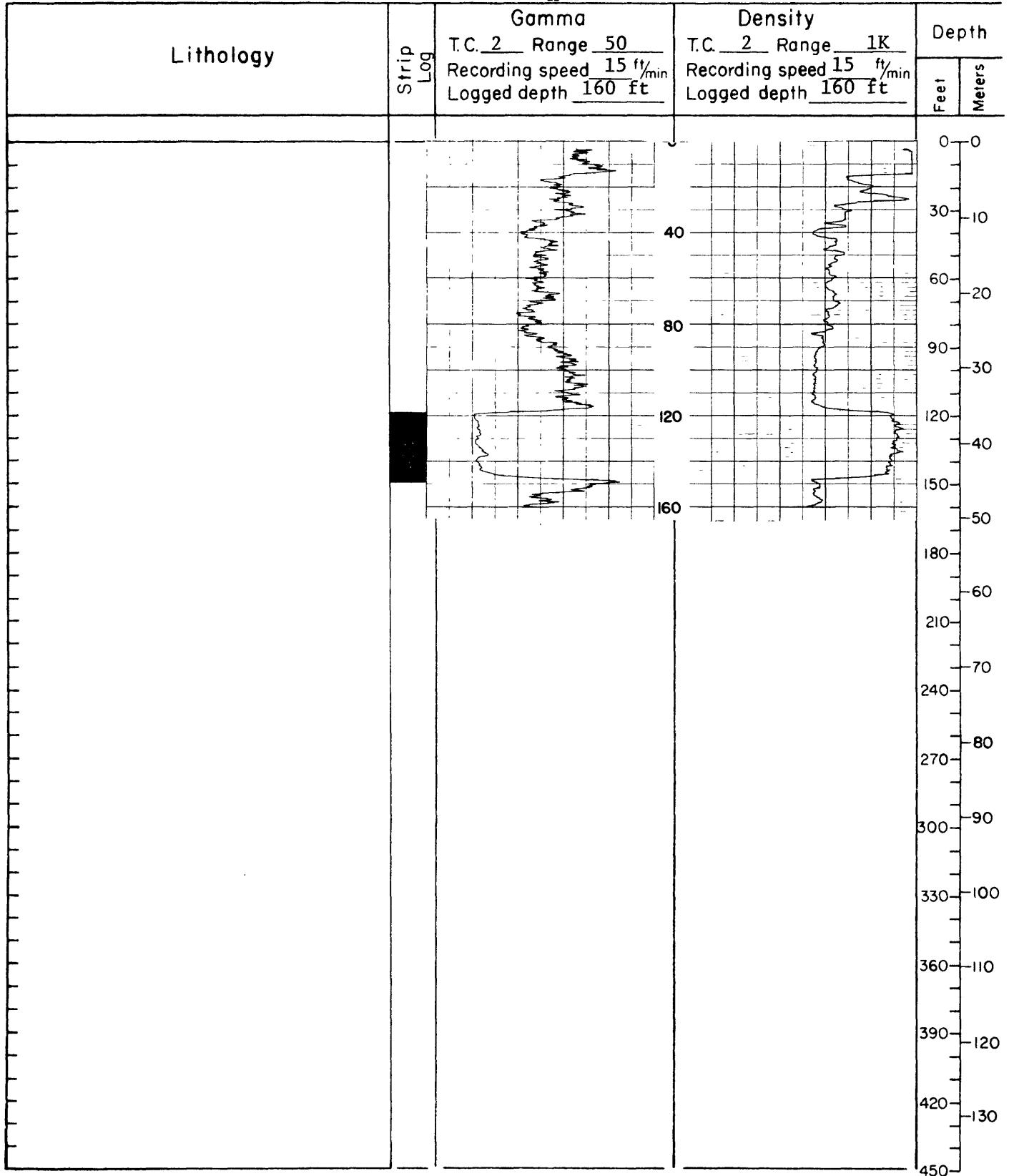
MONTANA BUREAU OF MINES AND GEOLOGY
Montana College of Mineral Science and Technology

Hole no: US-7765 Map: Pine Butte School Date: 7/21/78 State: Montana County: Big Horn
 Elev.: 3683 ft Location: T. 9 S., R. 42 E., Sec. 1, Tract CBA Drilled depth: 160 ft
 Measured: 2670 ft ^{FNL} 2670 ft ^{FEL} 1000 ft ^{FWL} Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

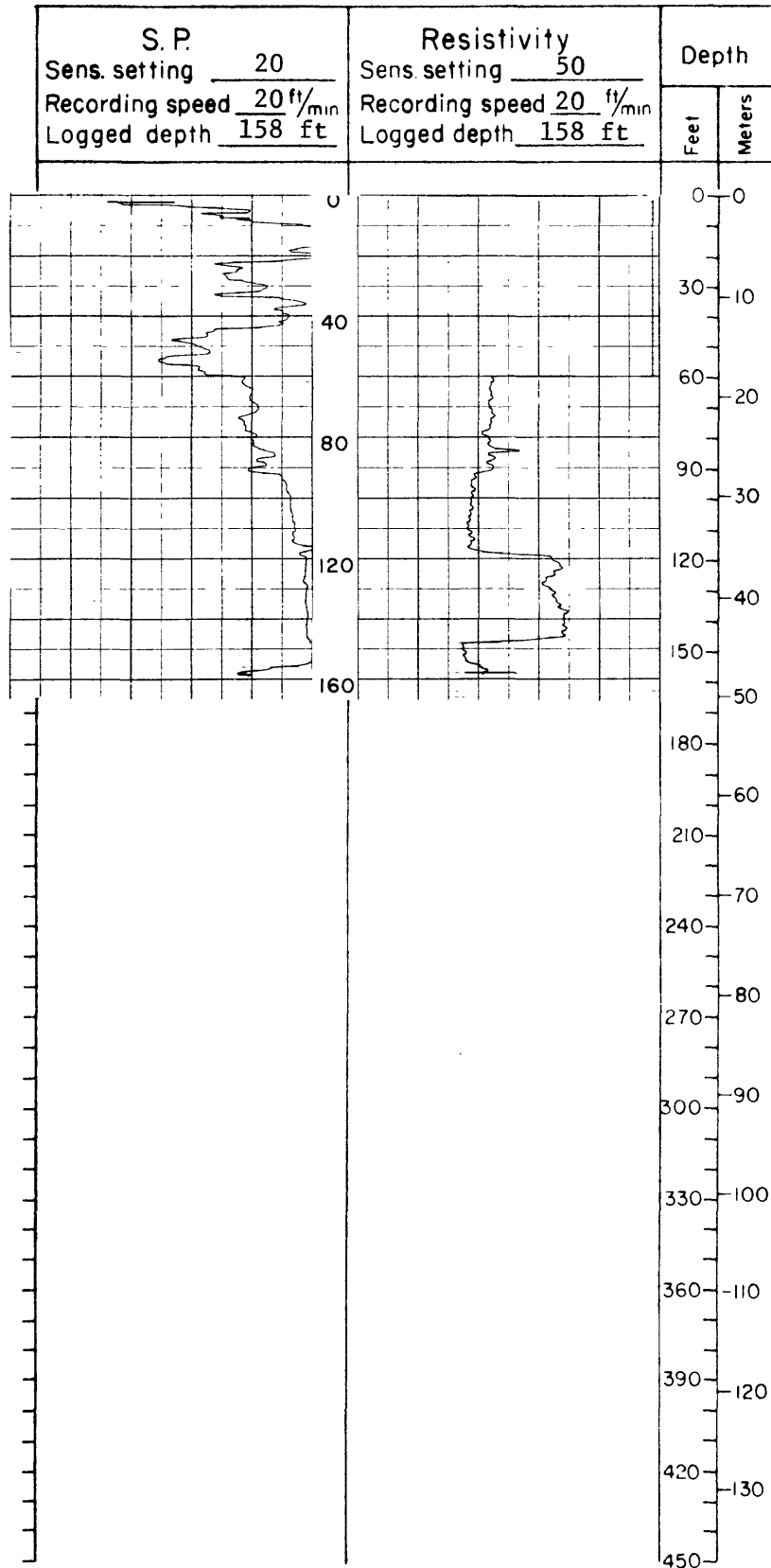
Recorded by: J. PINCHOCK

Geologist ^{Yes} ~~No~~ Recorded by: J. JENSEN



Hole number (continued)

US-7765



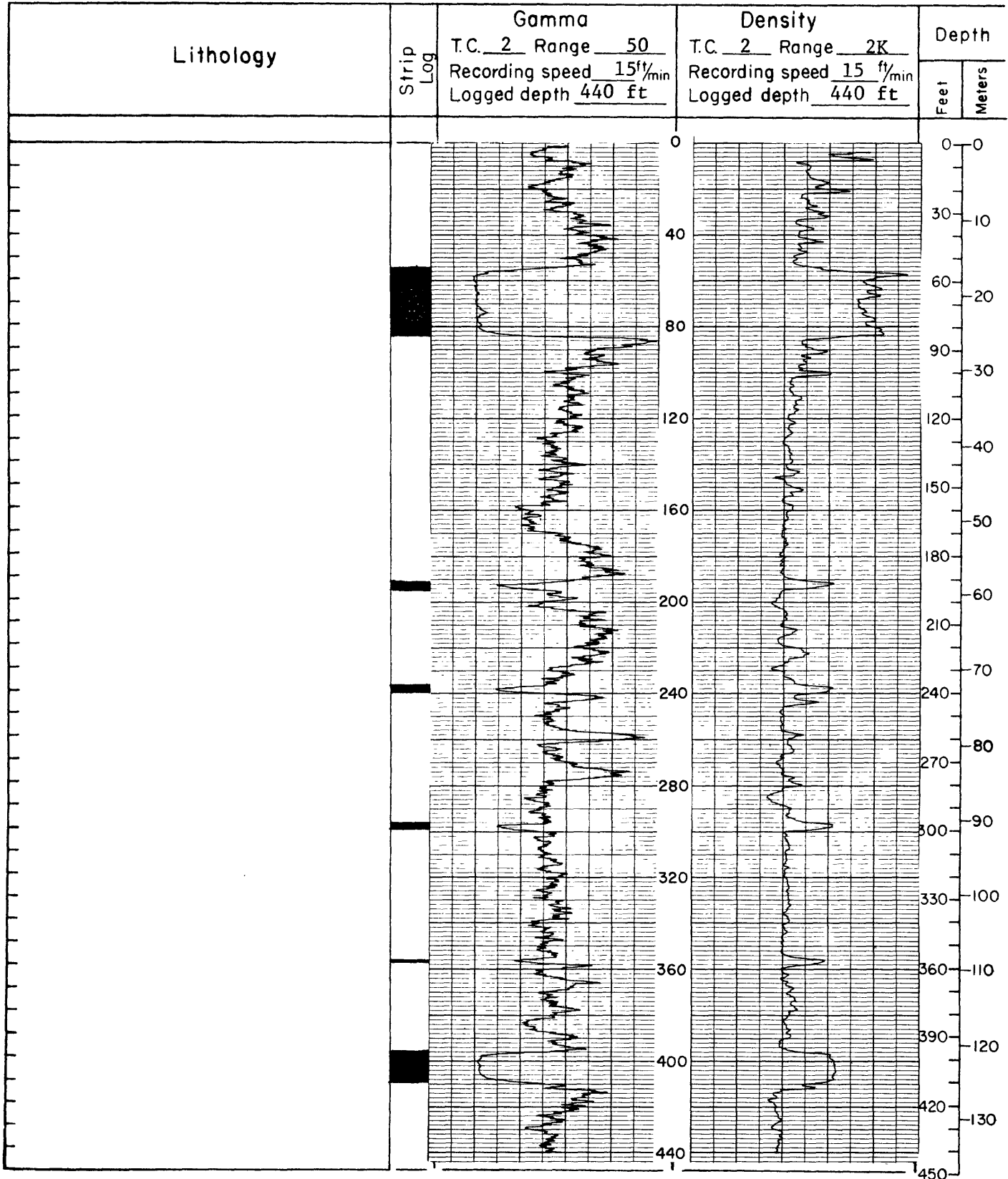
MONTANA BUREAU OF MINES AND GEOLOGY
Montana College of Mineral Science and Technology

Hole no: US-7766 Map: Pine Butte School Date: 7/21/77 State: Montana County: Big Horn
 Elev.: 3650 ft Location: T. 9 ^N~~S~~, R. 42 ^E~~W~~, Sec. 1, Tract ACBD Drilled depth: 440 ft
 Measured: 1950 ft ^{FNL}~~FSL~~, 2035 ft ^{FEL}~~FNL~~ Hole size: 4 3/4 in Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

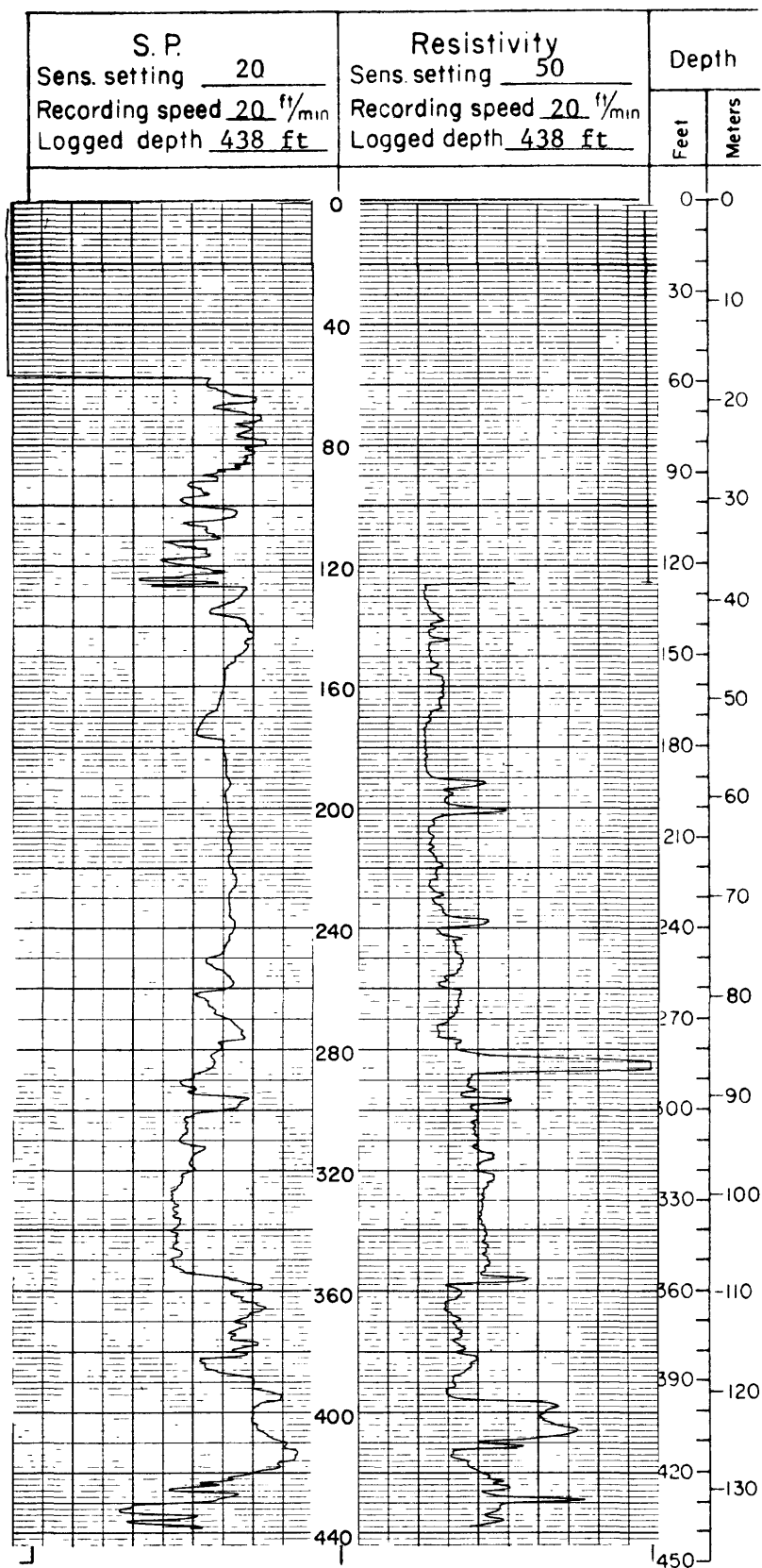
Recorded by: J. PINCHOCK

Geologist ^{Yes}~~NA~~ Recorded by: J. JENSEN



Hole number (continued)

US - 7766 _____



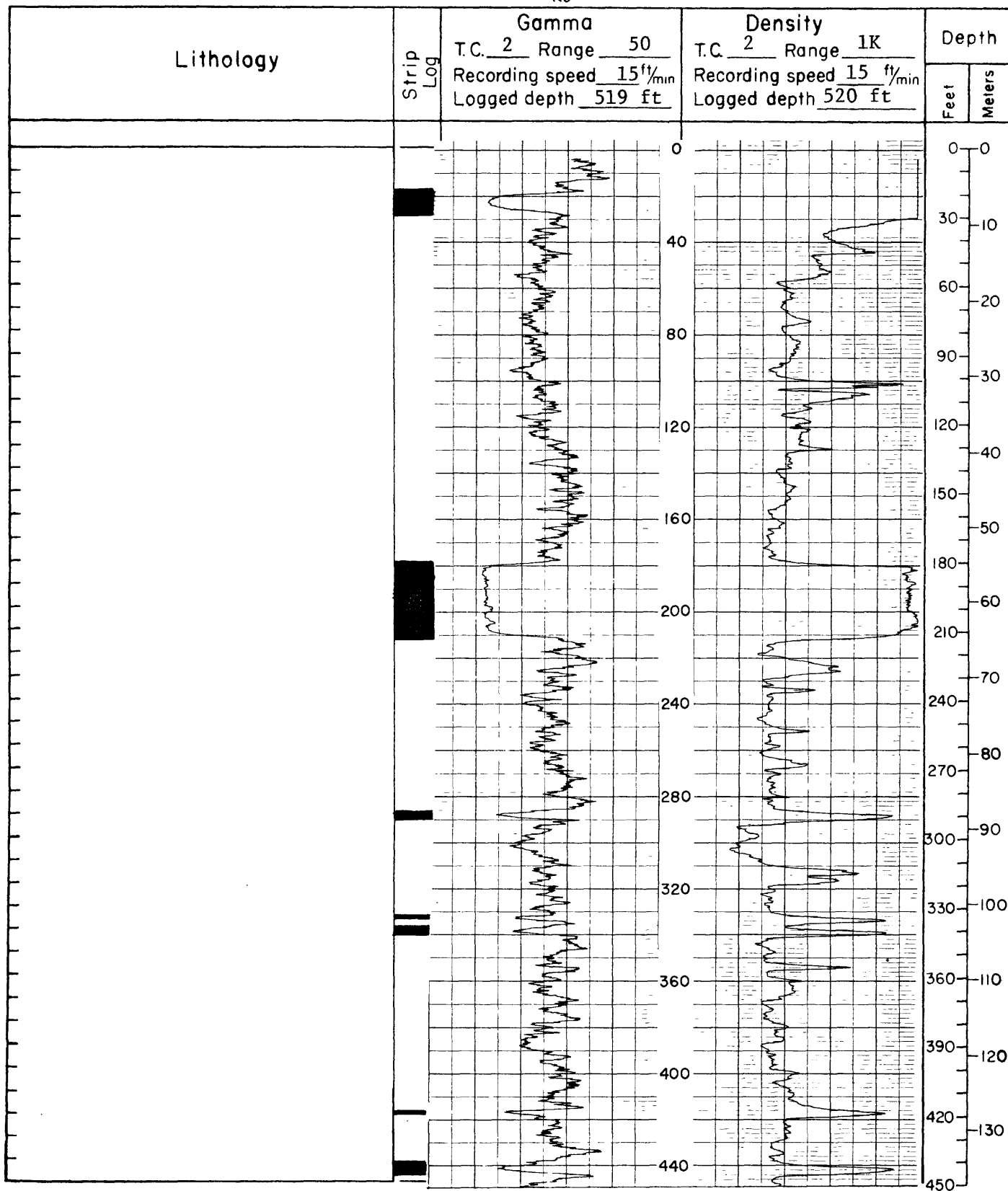
MONTANA BUREAU OF MINES AND GEOLOGY
Montana College of Mineral Science and Technology

Hole no: US-7767 Map: Pine Butte School Date: 7/27/77 State: Montana County: Big Horn
 Elev.: 3722 ft Location: T. 9 ^N_S, R. 42 ^E_W, Sec. 2, Tract BBDA Drilled depth: 520 ft
 Measured: 940 ft ^{FNL}_{RSL} 1090 ft ^{RSL}_{FWL} Hole size: 4 3/4 in Air ☒ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

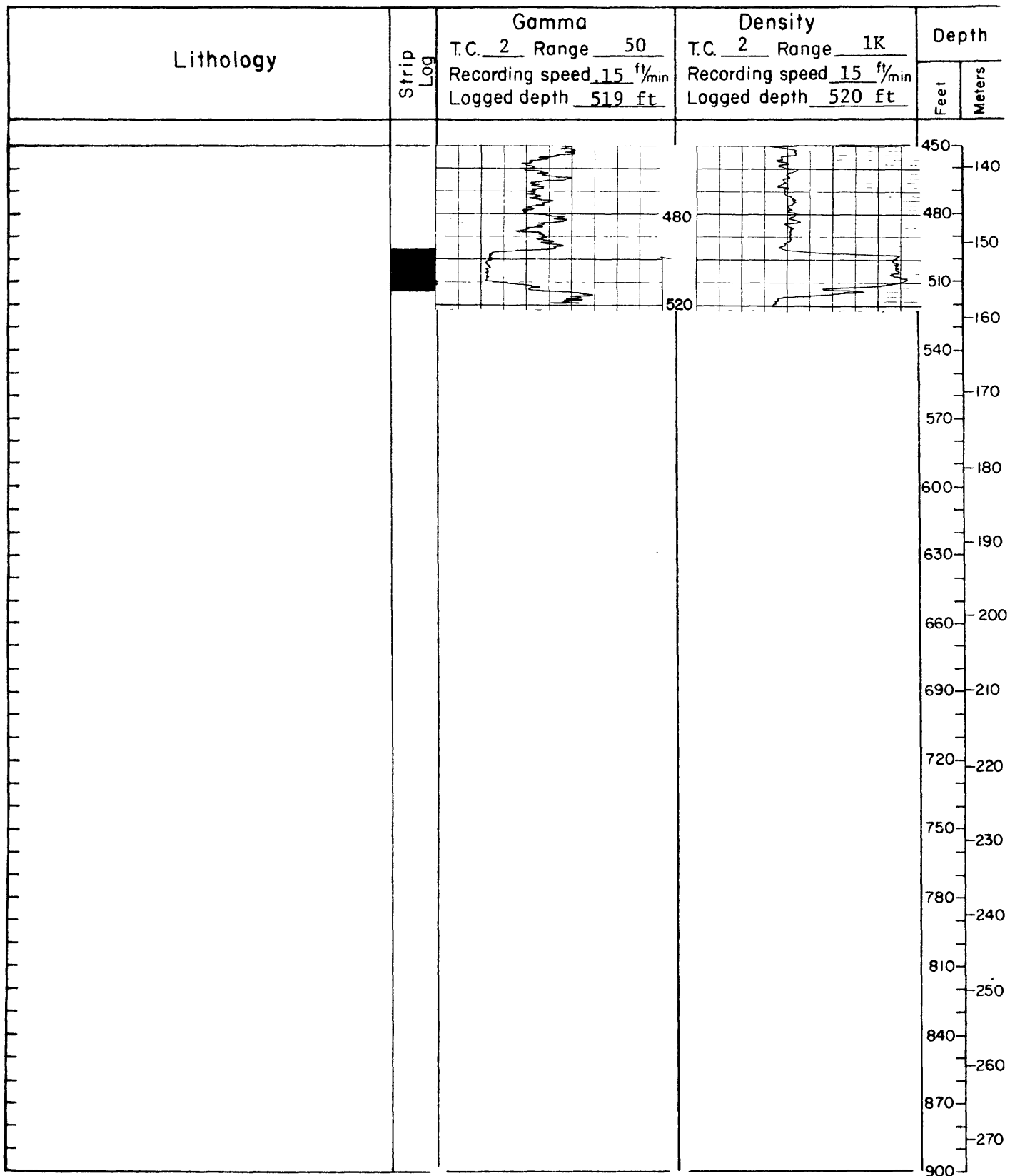
Recorded by: E. WOODS

Geologist ^{Yes}_{No} Recorded by: J. JENSEN



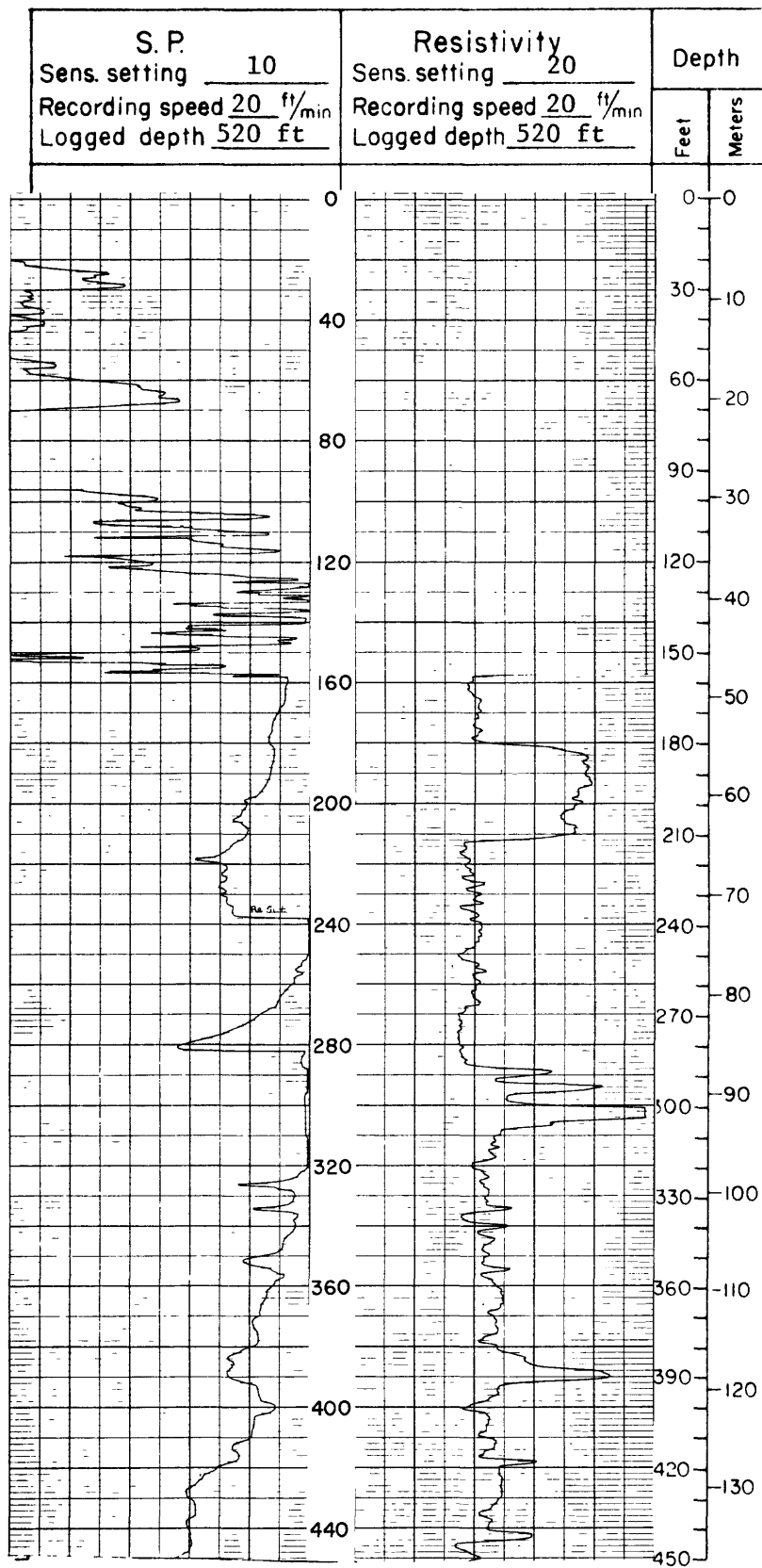
Hole number (continued)

US - 7767



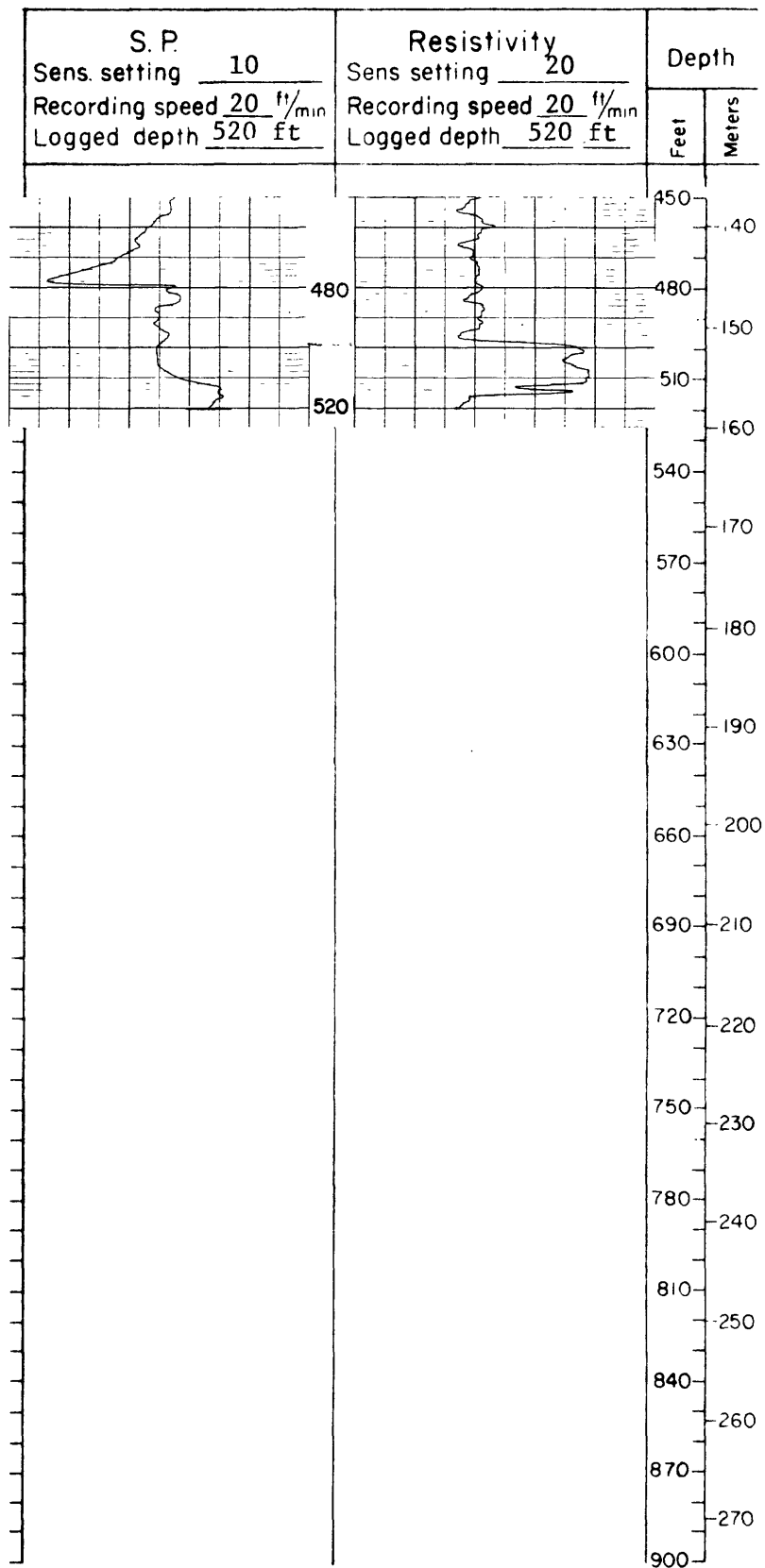
Hole number (continued)

US- 7767



Hole number (continued)

US - 7767



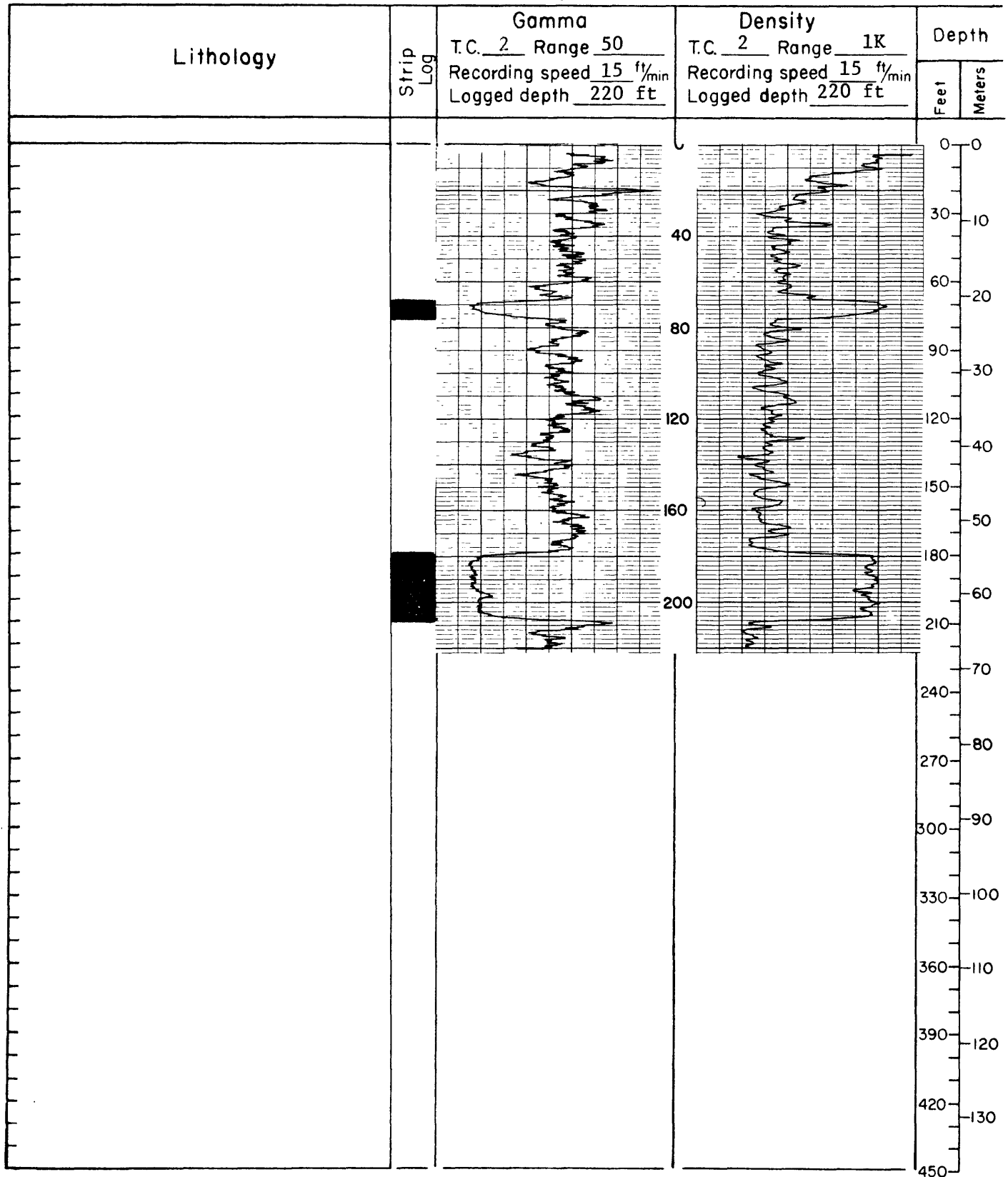
MONTANA BUREAU OF MINES AND GEOLOGY
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Hole no: US-7768 Map: Pine Butte School Date: 7/27/77 State: Montana County: Big Horn
 Elev.: 3681 ft Location: T. 9 ^N_S, R. 42 ^E_W, Sec. 11, Tract DABB Drilled depth: 220 ft
 Measured: 2540 ft ^{FSL}_{FSL}, 1025 ft ^{FEL}_{FEL} Hole size: 4 3/4 in Air ☐ Water ☒ Cored: Yes ☒ No ☐

Remarks: _____

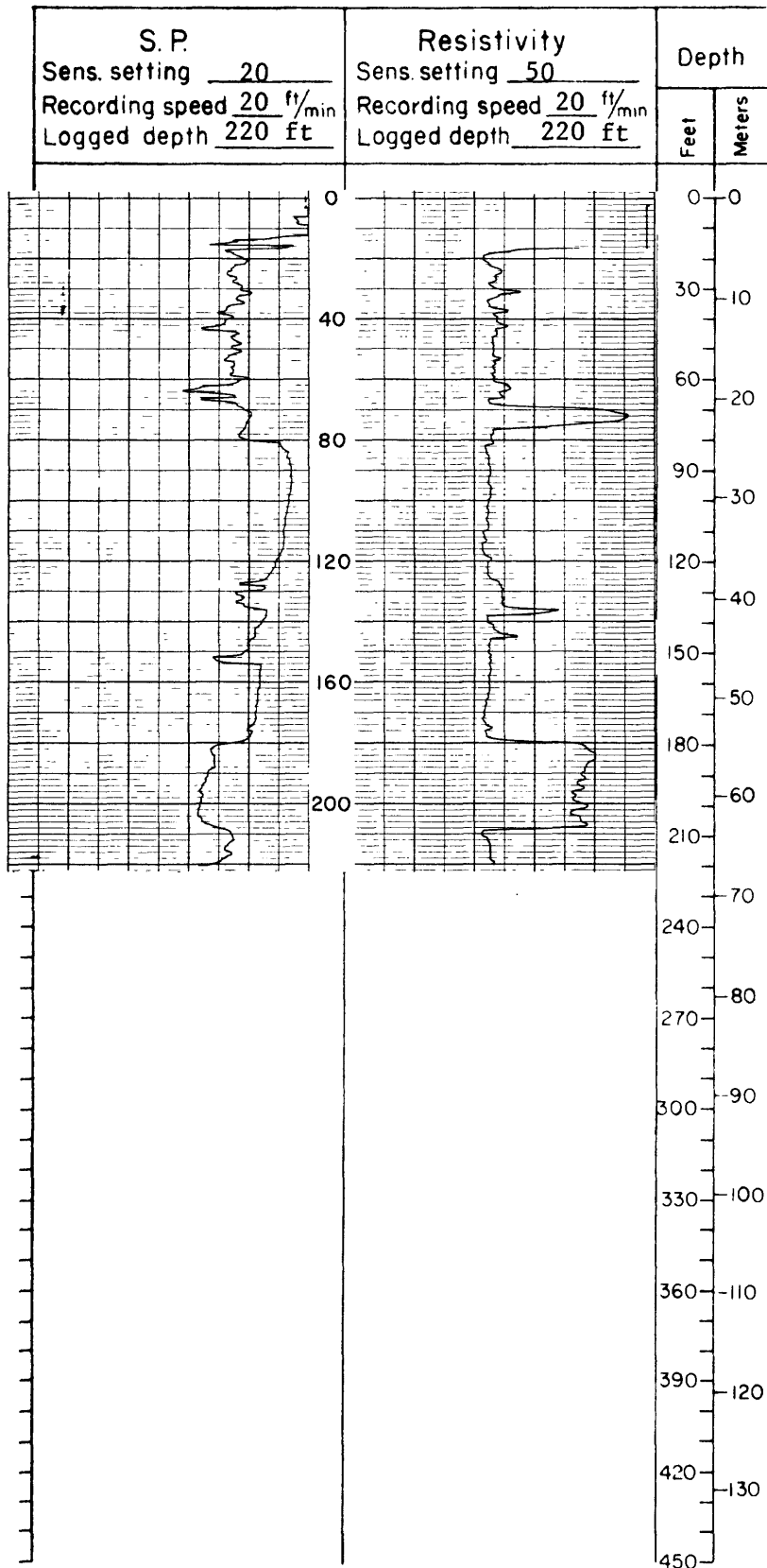
Recorded by: J. PINCHOCK

Geologist ^{Yes}_{No} Recorded by: J. JENSEN



Hole number (continued)

US - 7768



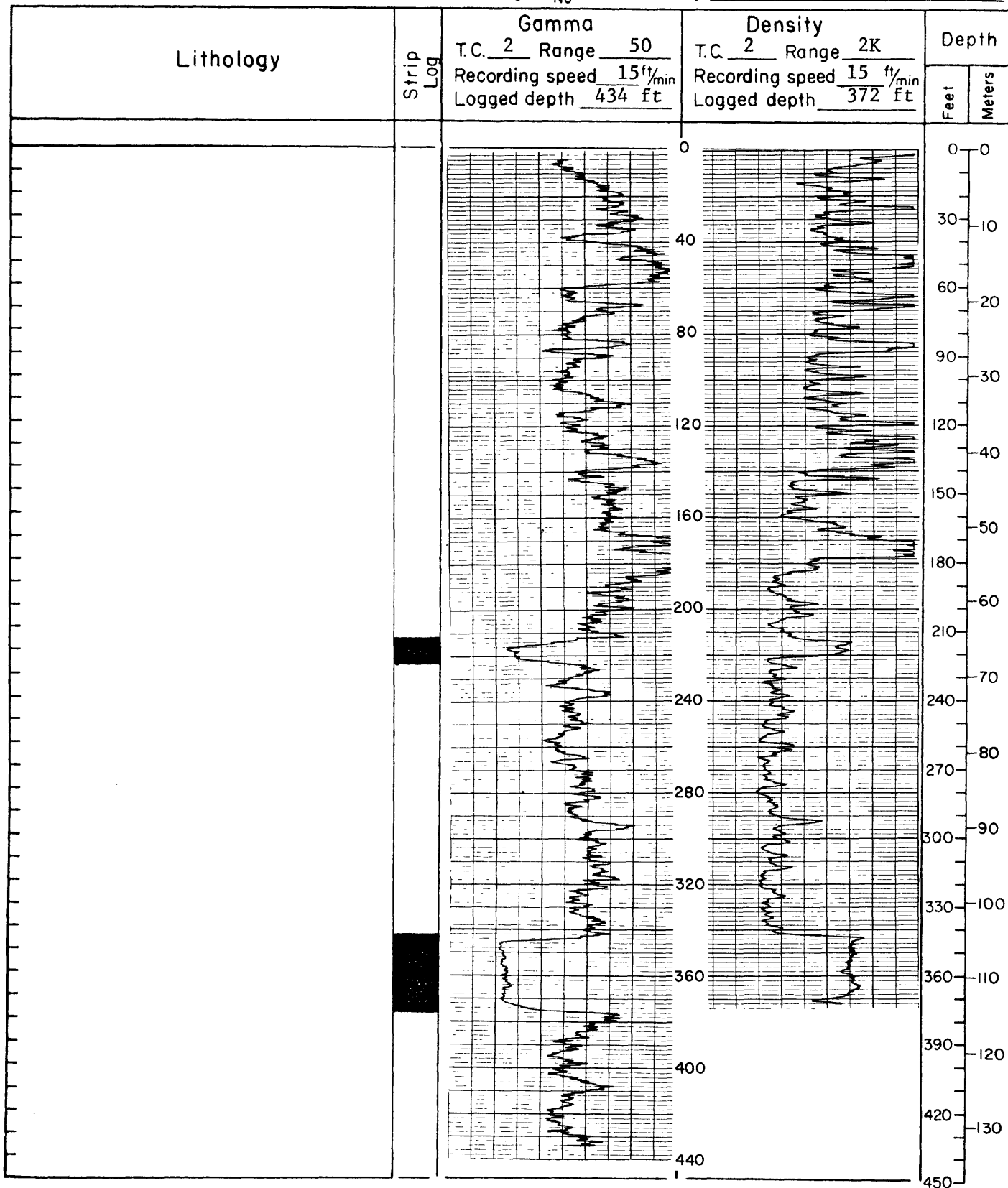
MONTANA BUREAU OF MINES AND GEOLOGY
Montana College of Mineral Science and Technology

Hole no: MS-7769 Map: Pine Butte School Date: 8/11/77 State: Montana County: Big Horn
 Elev.: 3800 ft Location: T. 9 S, R. 42 E, Sec. 12, Tract DDCA Drilled depth: 440 ft
 Measured: 610 ft ~~FSL~~ 790 ft ~~FEL~~ ~~FWL~~ Hole size: 4 3/4 in Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

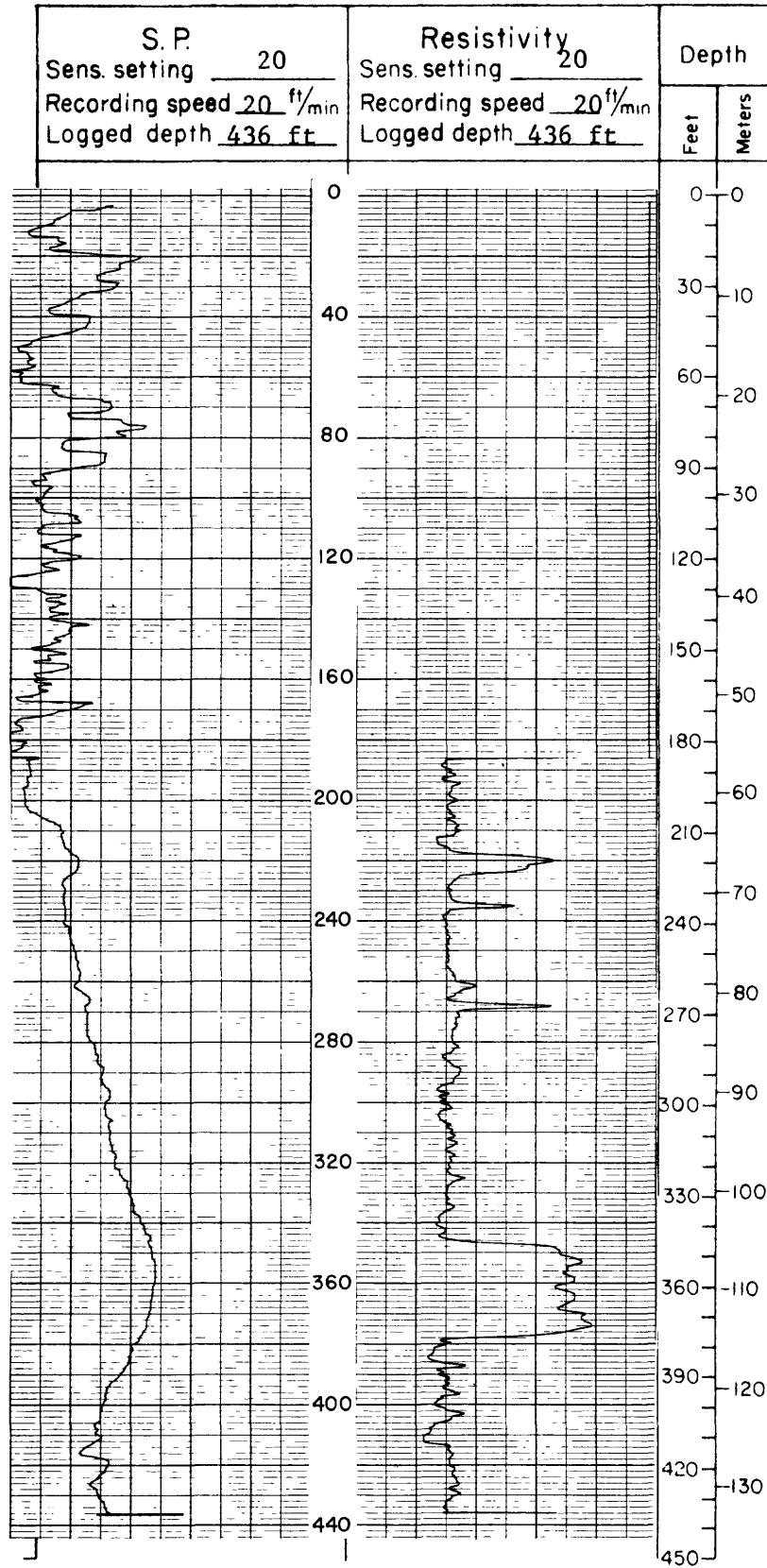
Recorded by: E. WOODS

Geologist ^{Yes}/_{No} Recorded by: J. JENSEN



Hole number (continued)

US-7769



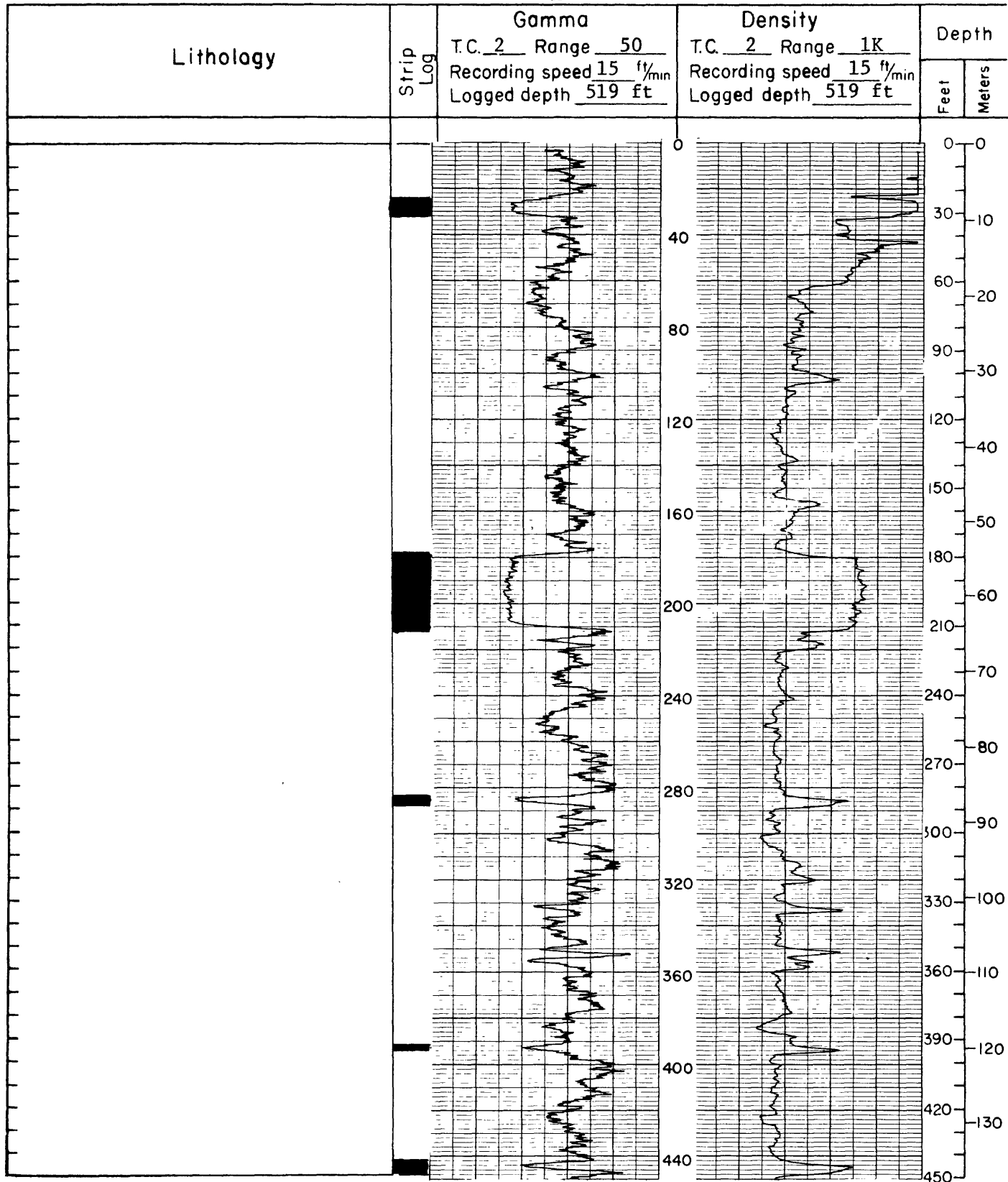
MONTANA BUREAU OF MINES AND GEOLOGY
Montana College of Mineral Science and Technology

Hole no: US-7770 Map: Pine Butte School Date: 7/20/77 State: Montana County: Big Horn
 Elev.: 3660 ft Location: T. 9 N, R. 43 E, Sec. 7, Tract CADA Drilled depth: 520 ft
 Measured: 1830 ft ~~FSL~~ 2480 ft ~~FWL~~ Hole size: 4 3/4 in. Air ☒ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

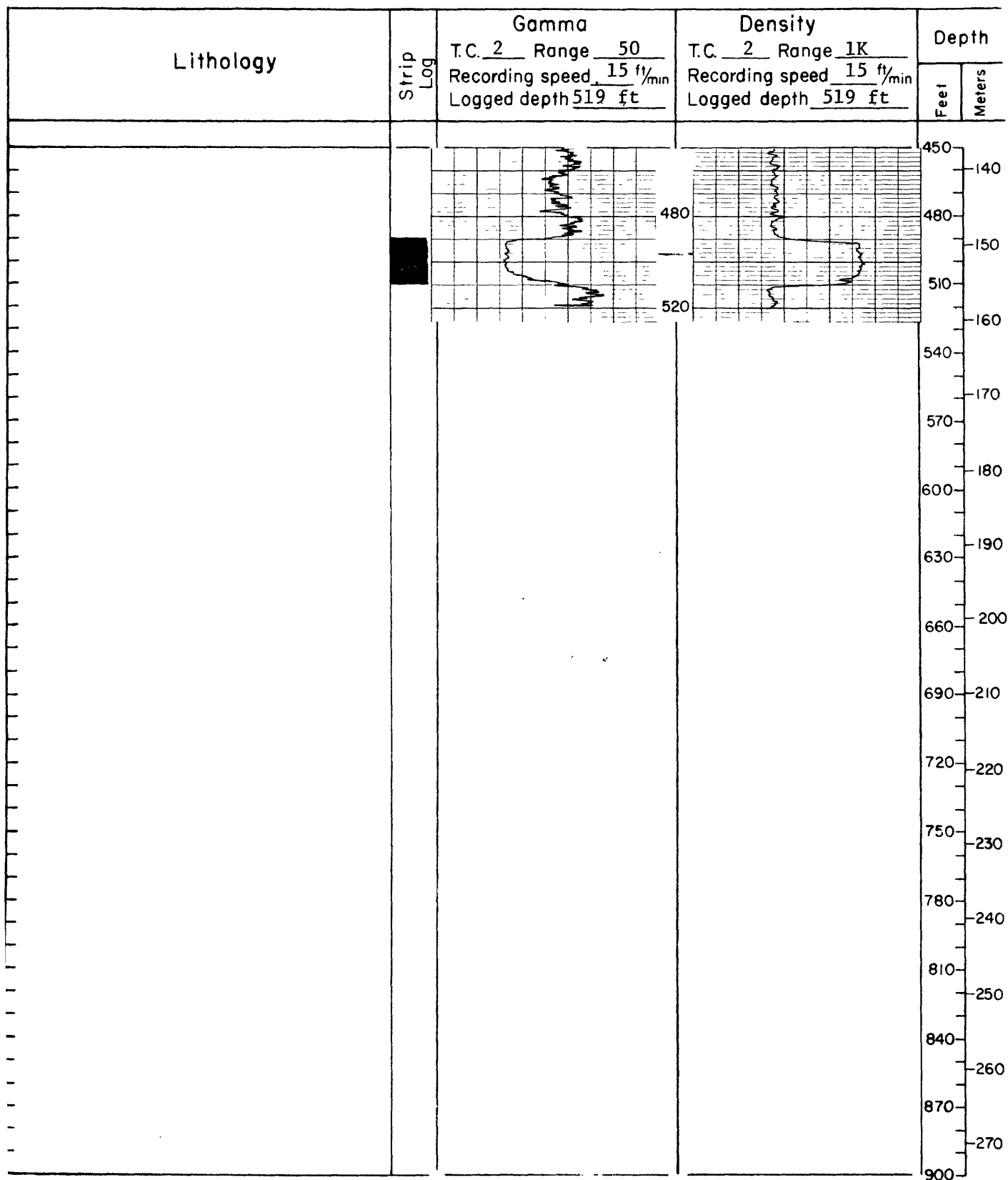
Recorded by: J. PINCHOCK

Geologist ^{Yes}_{No} Recorded by: J. JENSEN



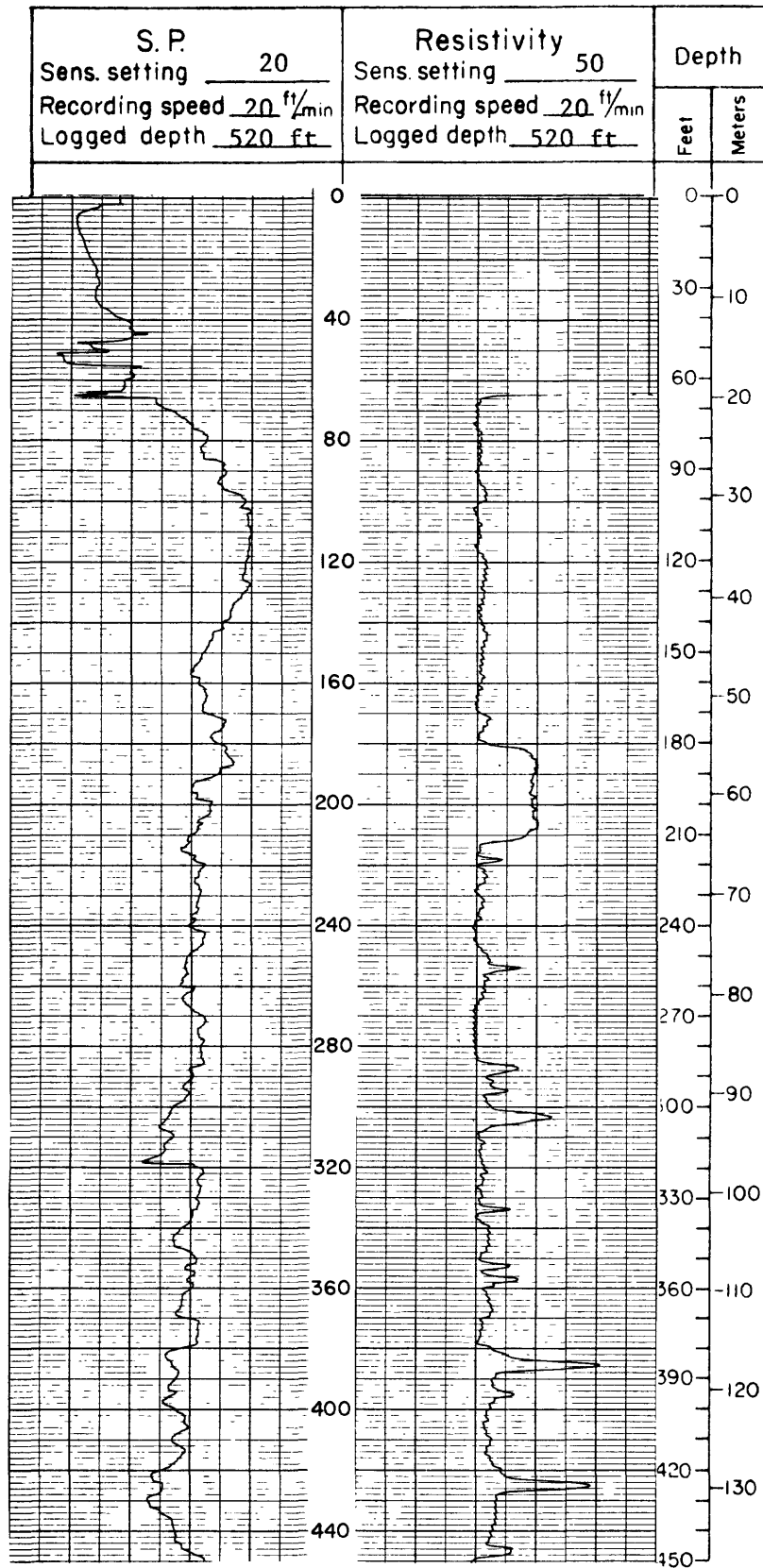
Hole number (continued)

US - 7770



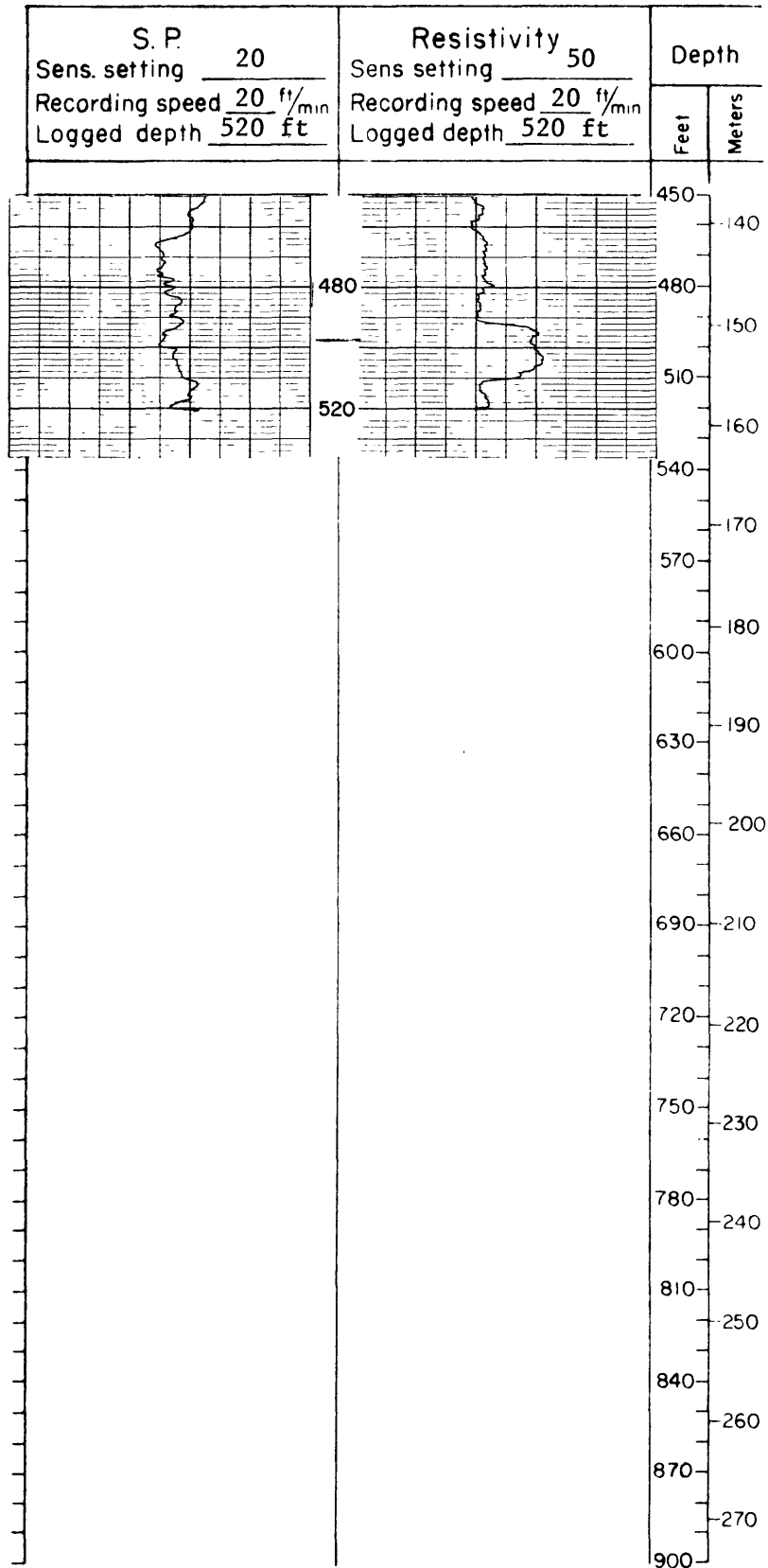
Hole number (continued)

US- 7770



Hole number (continued)

US - 7770

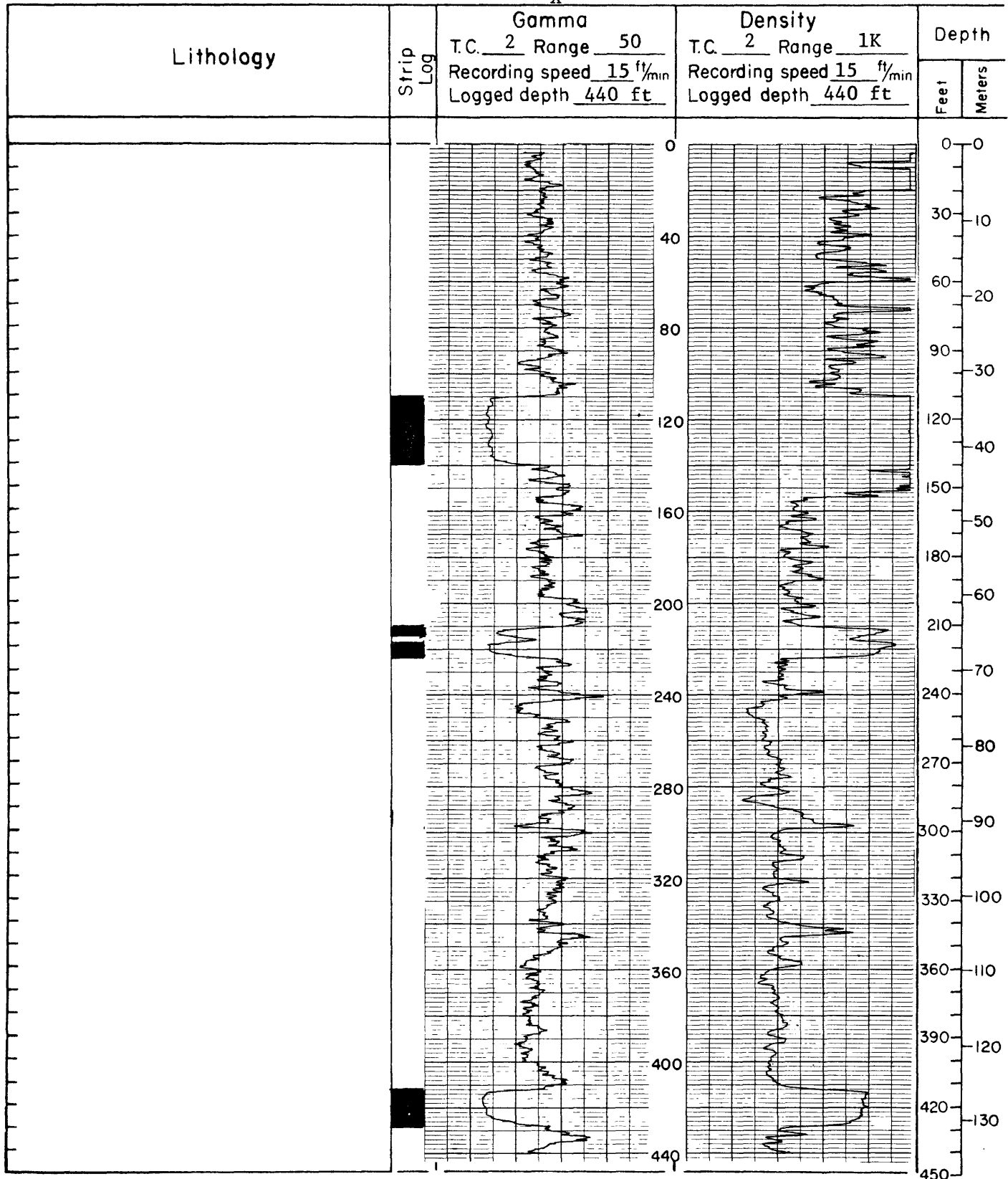


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Hole no: UIS-7771 Map: Lacey Gulch Date: 7/27/75 State: Montana County: Big Horn
 Elev.: 3725 ft Location: T. 8 ^N_S, R. 42 ^E_W, Sec. 13, Tract CDAB Drilled depth: 440 ft
 Measured: 1310 ft ~~FSL~~ 2040 ft ~~FWL~~ Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒
 Remarks: Lost circulation at 435 ft.

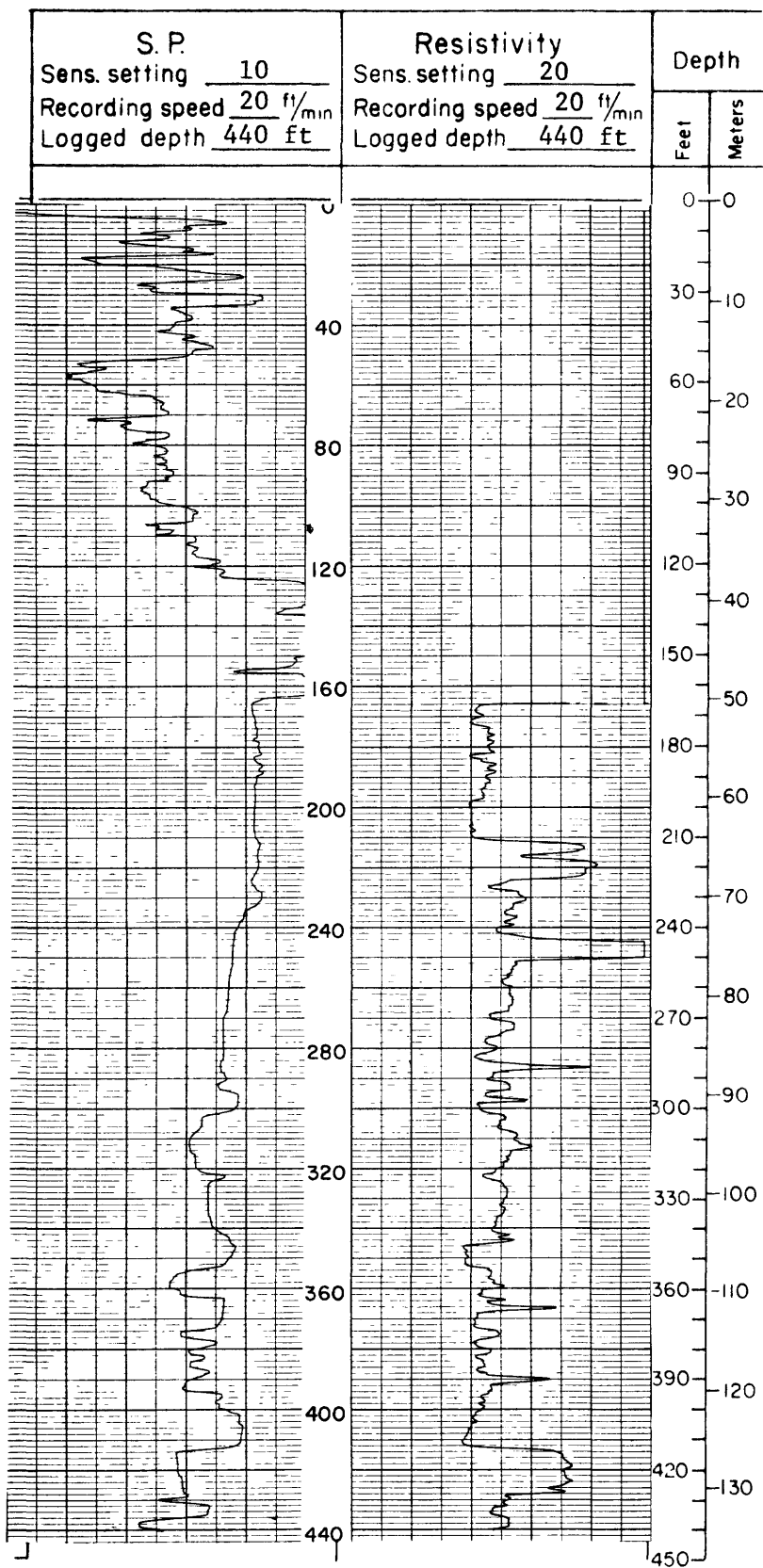
Recorded by: J. PINCHOCK

Geologist ^{Yes}_{No} Recorded by: J. JENSEN



Hole number (continued)

US - 7771

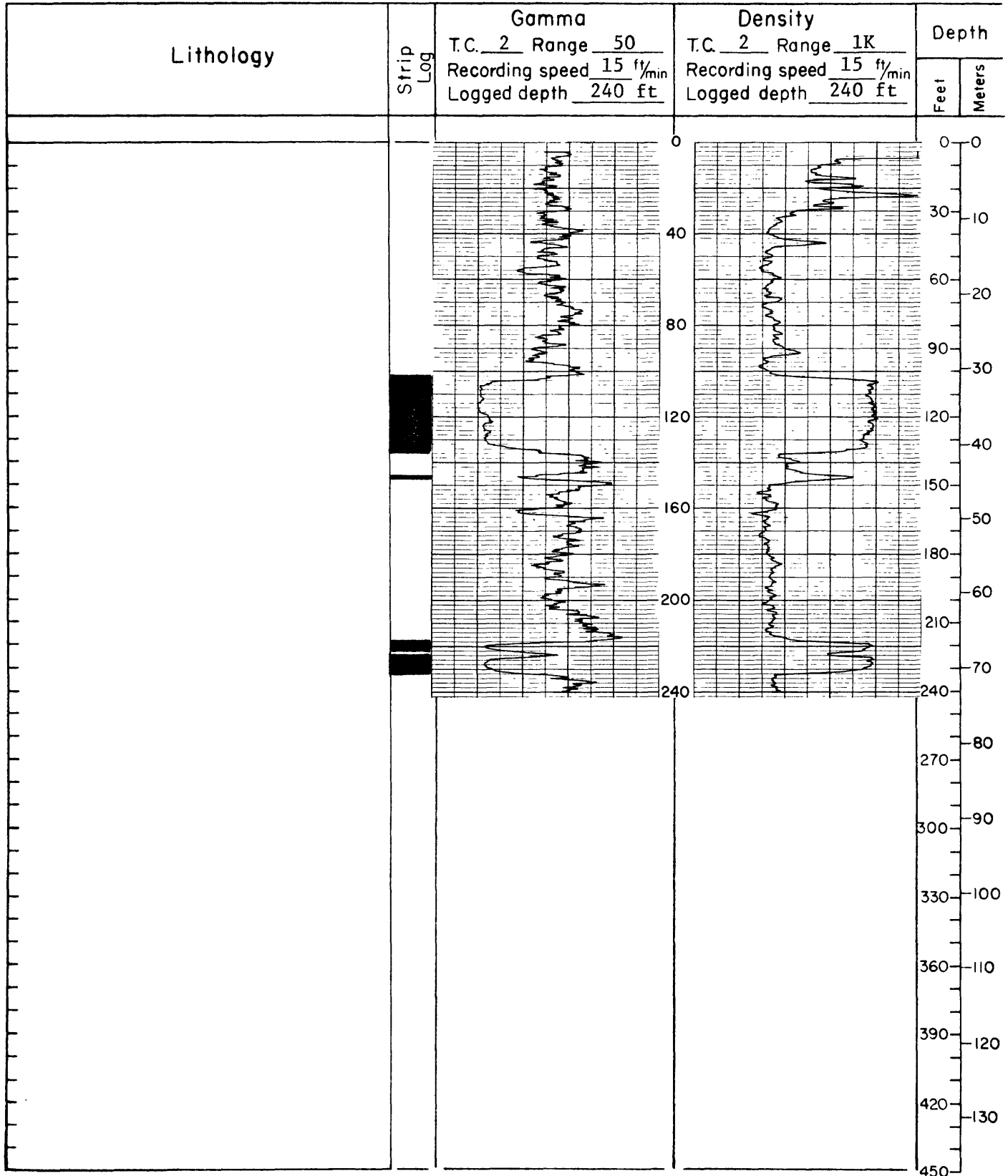


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Hole no: US-7772 Map: Lacey Gulch Date: 7/28/77 State: Montana County: Big Horn
 Elev.: 3709 ft Location: T. 8 S, R. 42 E, Sec. 14, Tract DAAB Drilled depth: 240 ft
 Measured: 2400 ft ^{FNL} 500 ft ^{FSL} 450 ft ^{FNL} Hole size: 4 3/4 in Air ☐ Water ☒ Cored: Yes ☐ No ☒

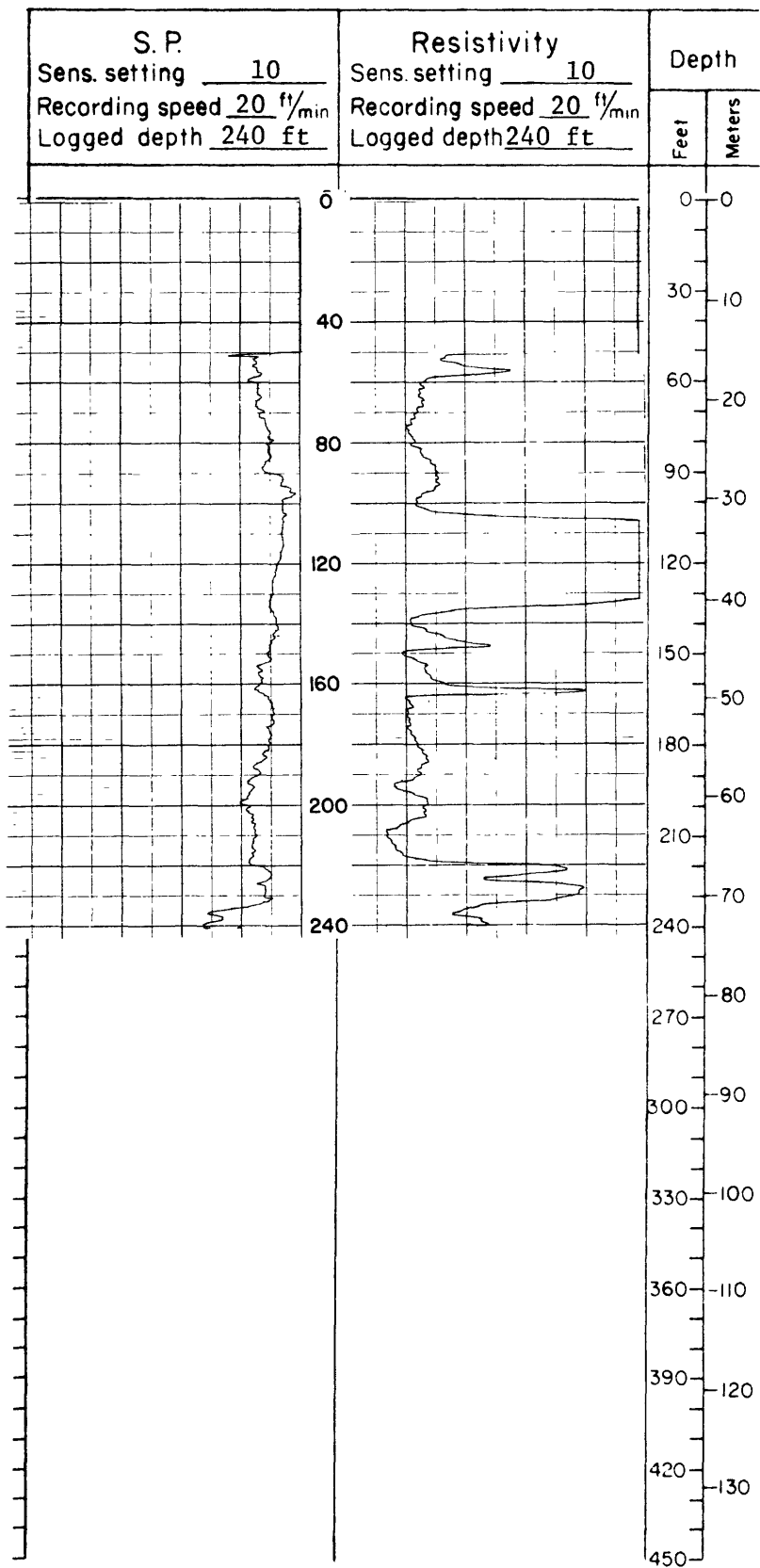
Remarks: _____

Recorded by: E. WOODS Geologist ^{Yes} _{No} Recorded by: J. JENSEN



Hole number (continued)

US - 7772



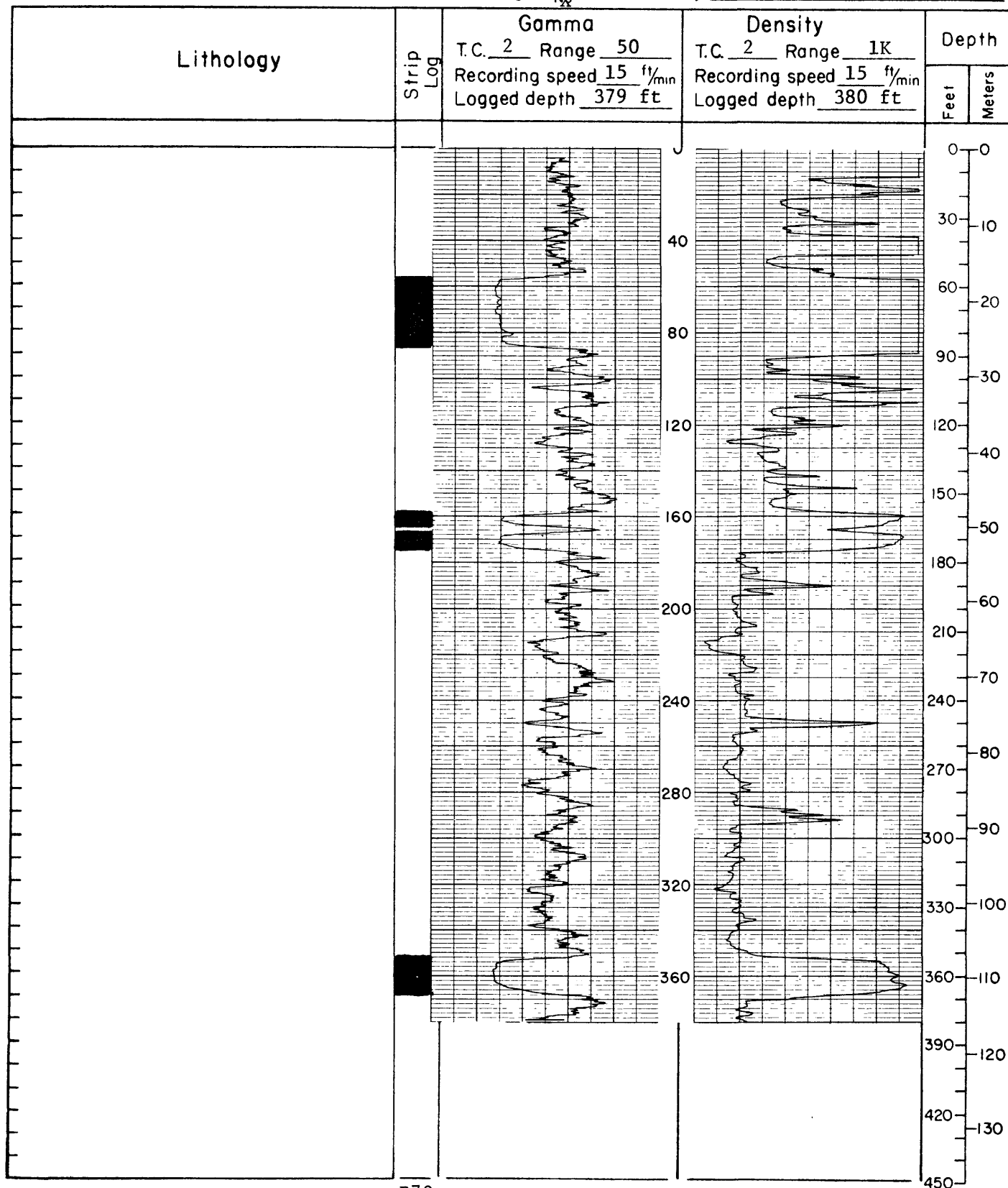
MONTANA BUREAU OF MINES AND GEOLOGY
Montana College of Mineral Science and Technology

Hole no: US-7773 Map: Lacey Gulch Date: 7/28/78 State: Montana County: Big Horn
 Elev.: 3725 ft Location: T. 8 S., R. 42 E., Sec. 14, Tract BDDC Drilled depth: 380 ft
 Measured: 2560 ft ^{FNL} 2075 ft ^{R&R} ~~FWL~~ Hole size: 4 3/4 in. Air ☒ Water ☒ Cored: Yes ☒ No ☐

Remarks: _____

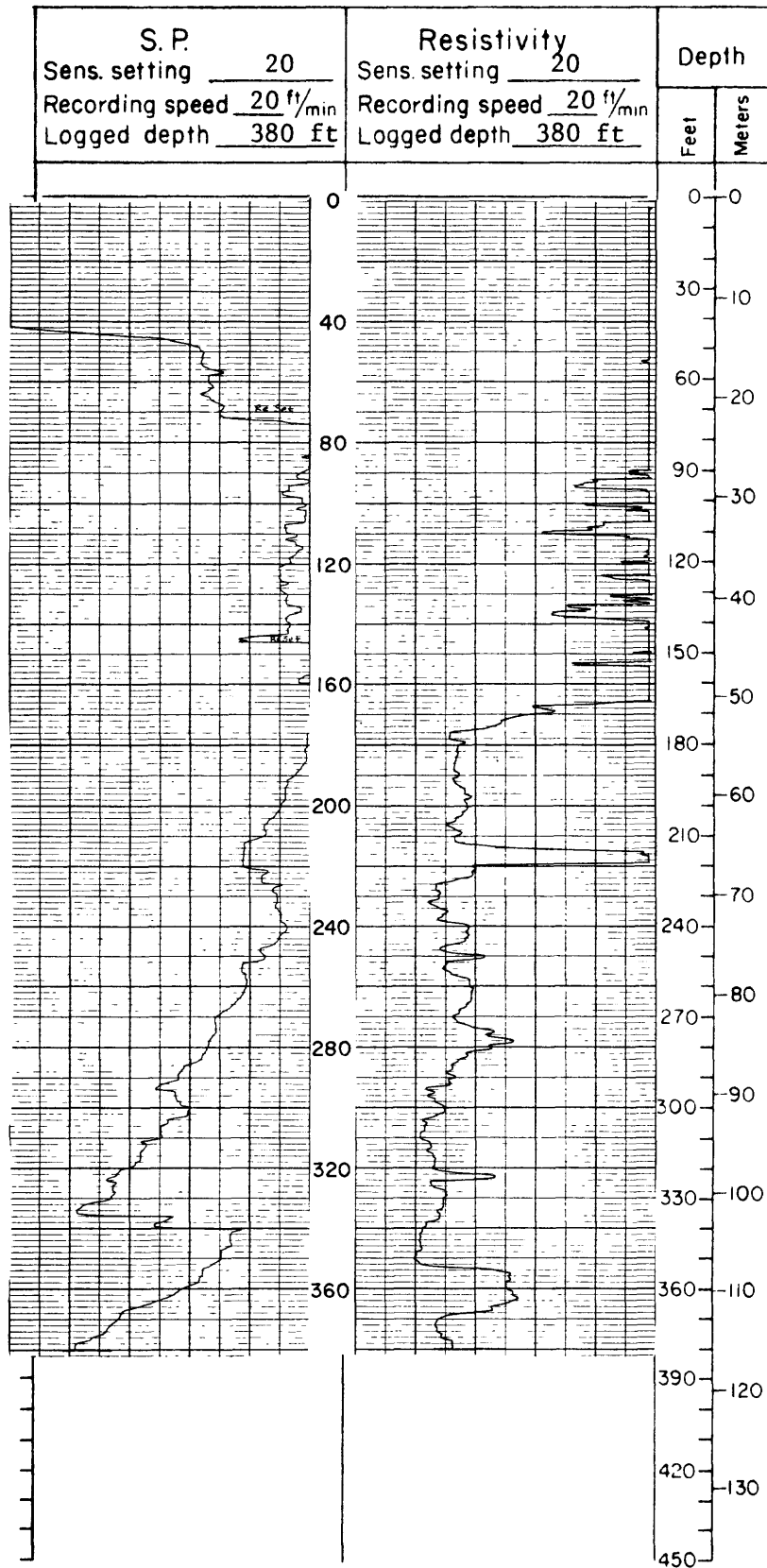
Recorded by: J. PINCHOCK

Geologist ^{Yes} ~~No~~ Recorded by: J. JENSEN



Hole number (continued)

US - 7773

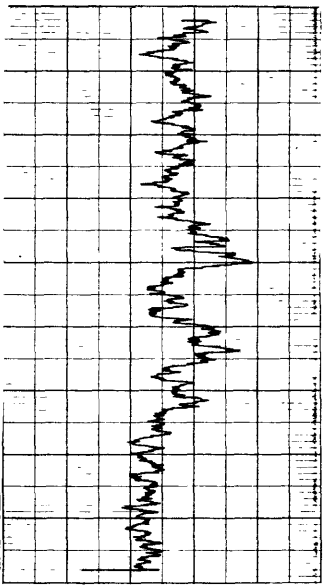


Montana College of Mineral Science and Technology

Hole no: US-7774 Map: Lacey Gulch Date: 7/30/77 State: Montana County: Big Horn
Elev.: 3937 ft Location: T. 8 ^N S. 42 ^E Sec. 10, Tract AACA Drilled depth: 180 ft
Measured: 730 ft ^{FNL} ~~FSL~~, 920 ft ^{FEL} ~~FSL~~ Hole size: 4 3/4 in. Air ☒ Water ☒ Cored: Yes ☐ No ☐

Remarks: No circulation.

Recorded by: E. WOODS Geologist ^{Yes}~~No~~ Recorded by: J. JENSEN

Lithology	Strip Log	Gamma	Density	Depth	
		T.C. <u>2</u> Range <u>50</u> Recording speed <u>15</u> ft/min Logged depth <u>176</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	
				450	

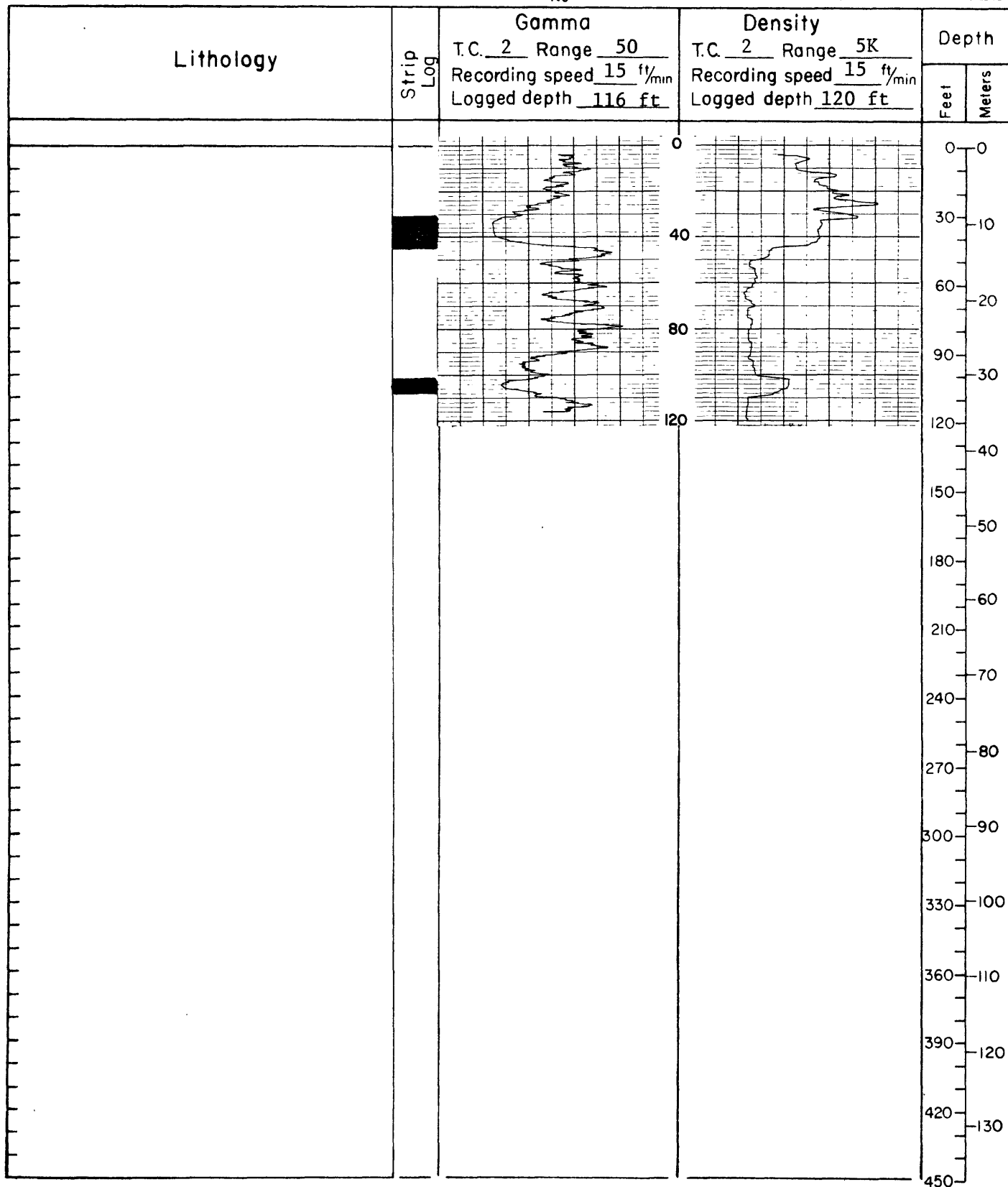
MONTANA BUREAU OF MINES AND GEOLOGY
Montana College of Mineral Science and Technology

Hole no: US-7775 Map: Lacey Gulch Date: 7/29/77 State: Montana County: Big Horn
 Elev.: 3434 ft Location: T. 8 N, R. 43 E, Sec. 6, Tract DCBA Drilled depth: 120 ft
 Measured: 1215 ft ~~FSL~~ ^{FXL}, 2130 ft ~~FSL~~ ^{FEL} Hole size: 4 3/4 in Air ☒ Water ☐ Cored: Yes ☐ No ☒

Remarks: Lost circulation.

Recorded by: J. PINCHOCK

Geologist ^{Yes} ~~No~~ Recorded by: J. HENSEN



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

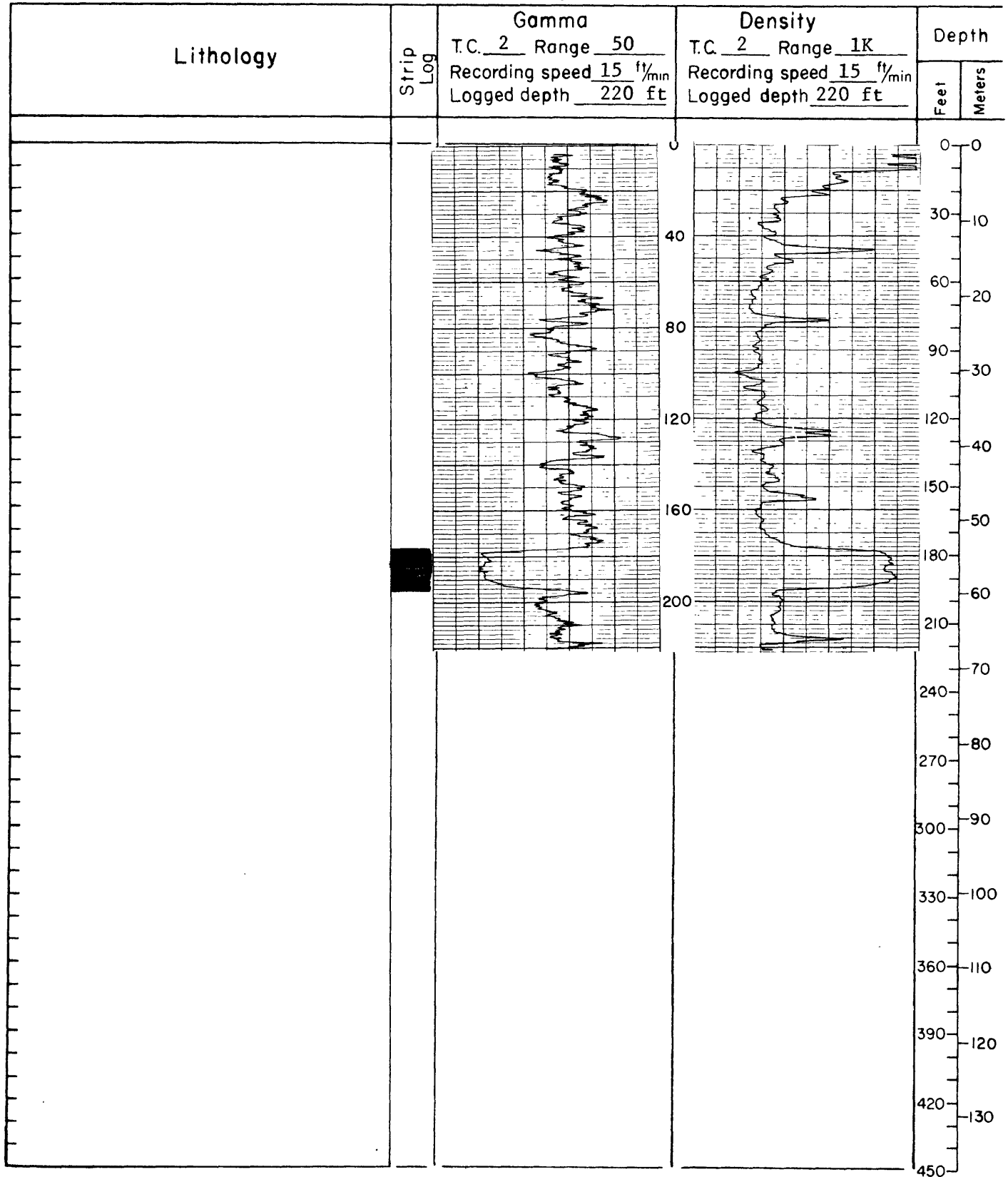
Hole no: US-7776 Map: Stroud Creek Date: 7/29/77 State: Montana County: Big Horn
 Elev.: 3510 ft Location: T. 8 ^N_S, R. 43 ^E_W Sec. 20, Tract BBA Drilled depth: 220 ft
 Measured: 0 ft ^{FNL}_{FSL}, 950 ft ^{FNL}_{FSL} Hole size: 4 3/4 in Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

Recorded by: J. PINCHOCK

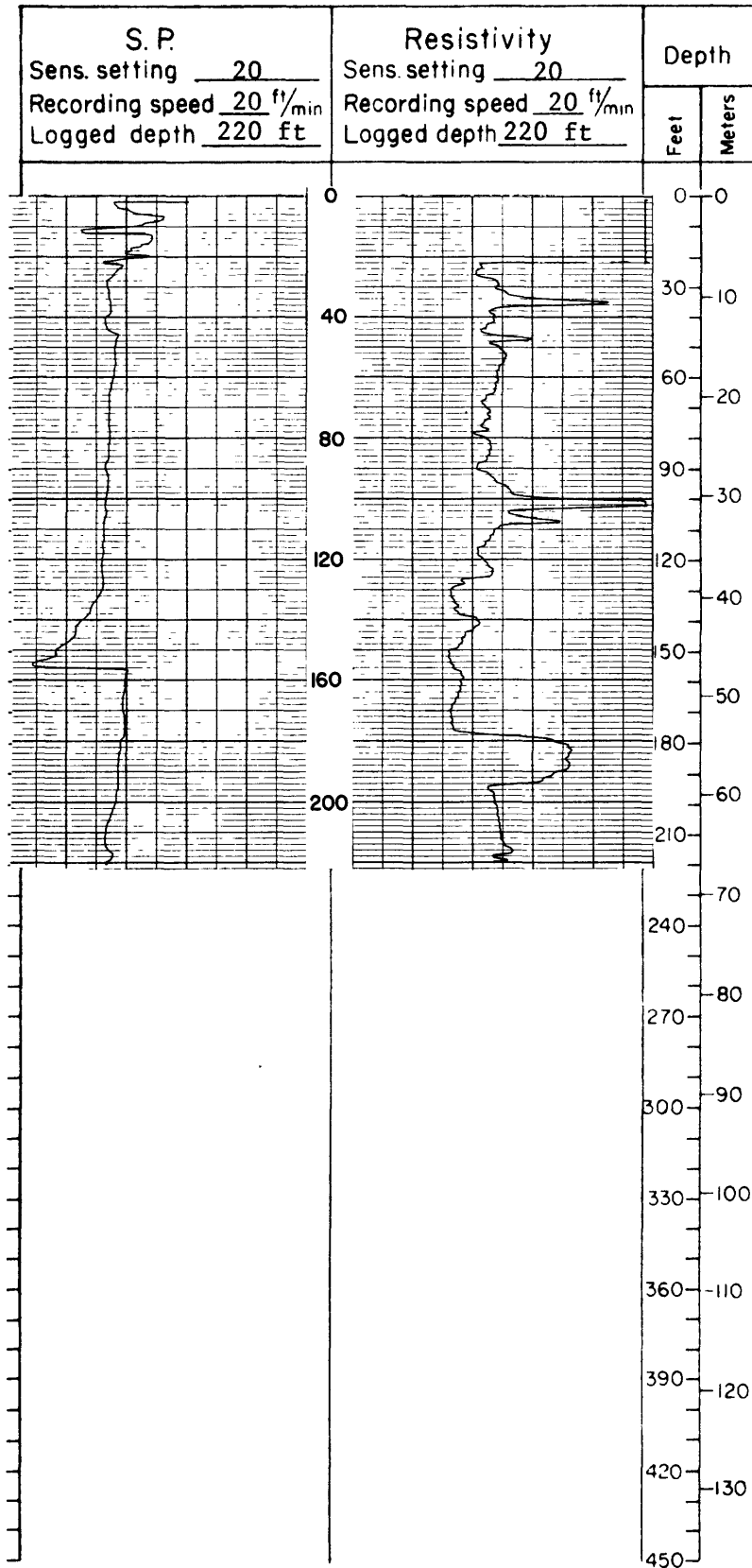
Geologist ^{Yes}_{No}

Recorded by: J. JENSEN



Hole number (continued)

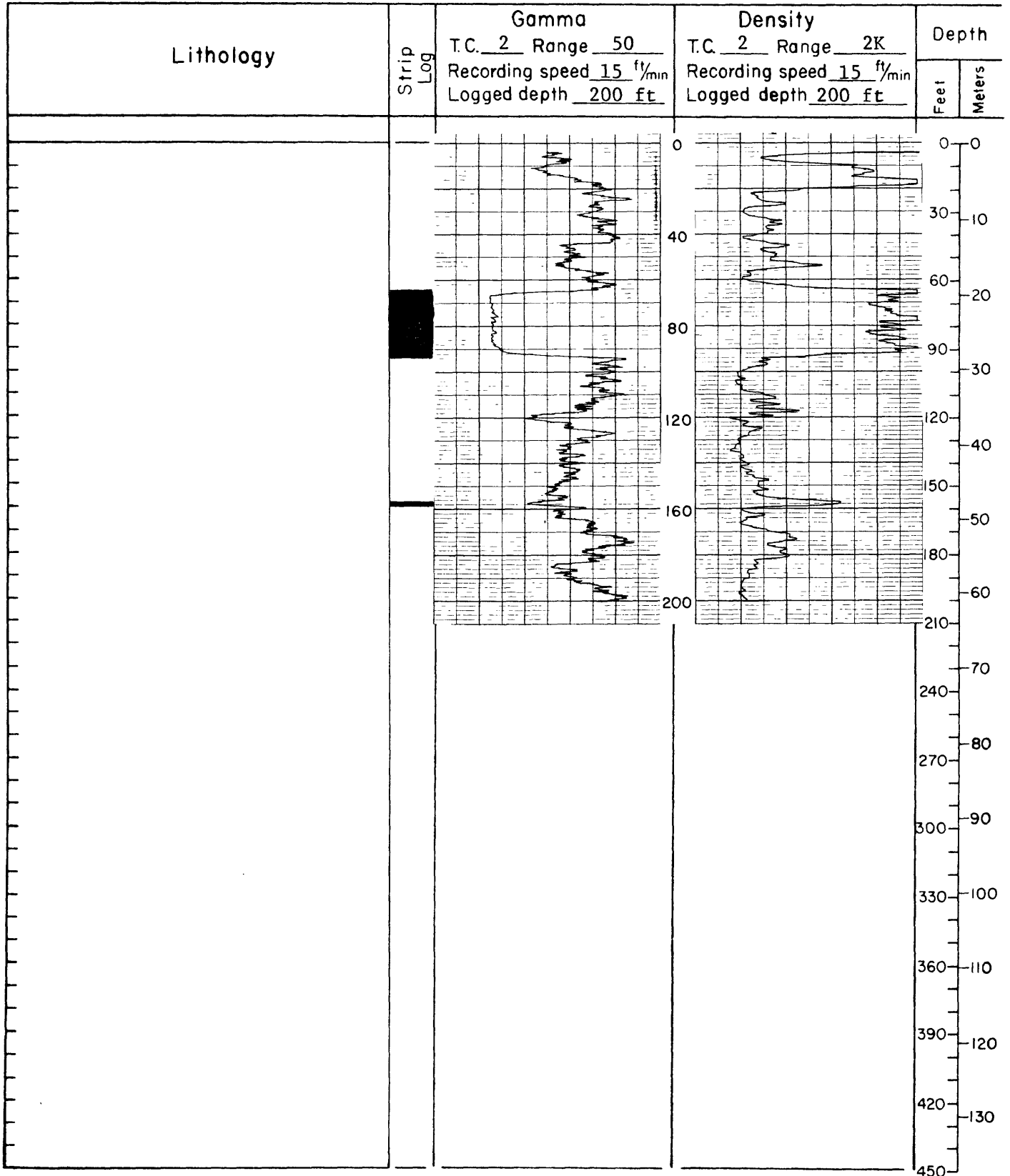
US - 7776



MONTANA BUREAU OF MINES AND GEOLOGY
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Hole no: US-7777 Map: Forks Ranch Date: 7/30/77 State: Montana County: Big Horn
 Elev.: 3682 ft Location: T. 8 ^N, R. 43 ^E, Sec. 32, Tract BBDA Drilled depth: 200 ft
 Measured: 910 ft ^{FNL} ~~FSL~~, 1240 ft ^{FSL} ~~FWL~~ Hole size: 4 3/4 in. Air ☒ Water ☐ Cored: Yes ☐ No ☒
 Remarks: Installed 2 inch H₂O observation well.

Recorded by: J. PINCHOCK Geologist ^{Yes} ~~No~~ Recorded by: J. JENSEN



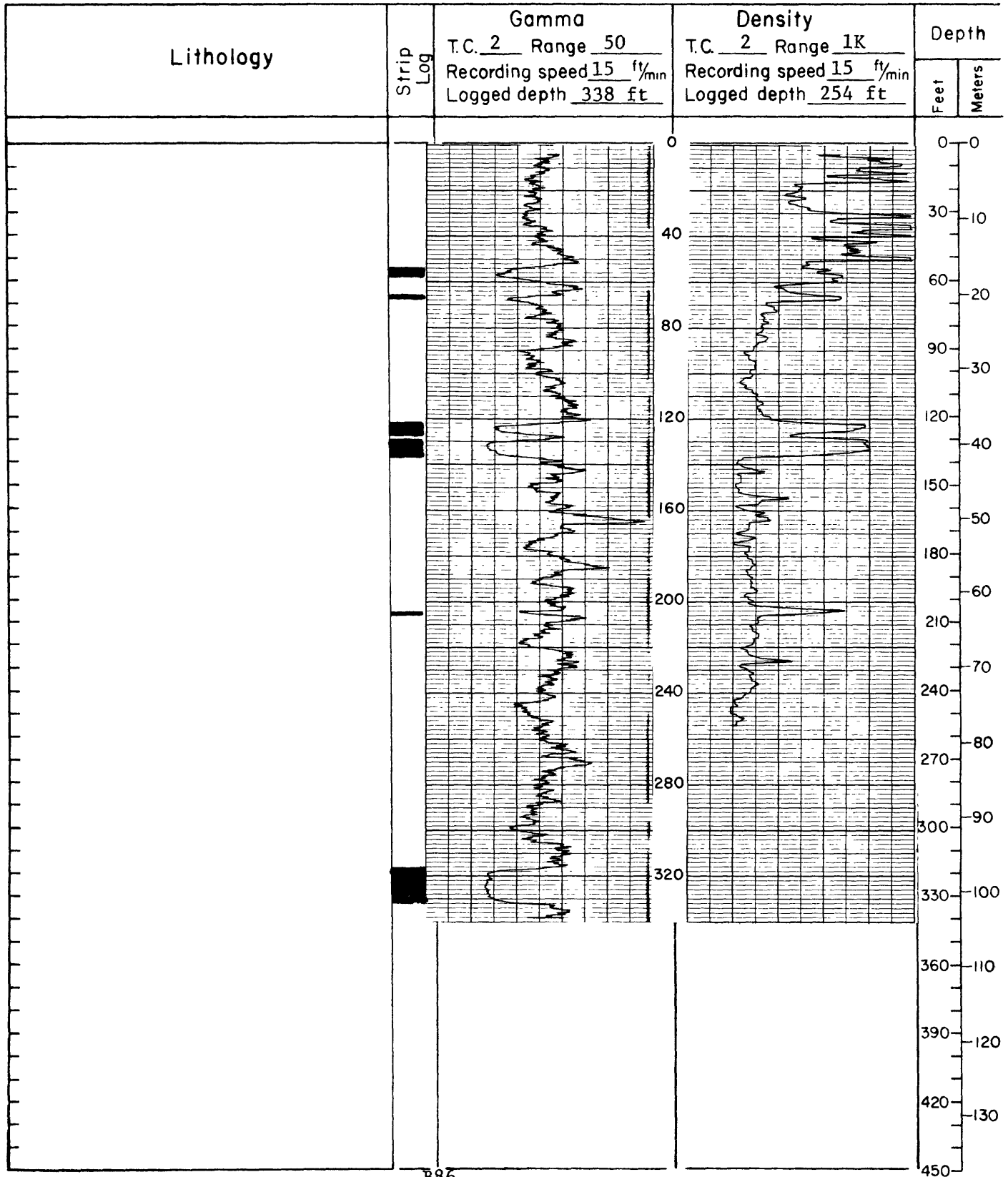
MONTANA BUREAU OF MINES AND GEOLOGY
Montana College of Mineral Science and Technology

Hole no: US-7778 Map: Forks Ranch Date: 7/30/78 State: Montana County: Big Horn
 Elev.: 3641 ft Location: T. 8 ^N~~S~~, R. 43 ^E~~W~~ Sec. 29, Tract BDAB Drilled depth: 340 ft
 Measured: 1415 ft ^{FNL}~~FWL~~, 2075 ft ^{FEL}~~FWL~~ Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

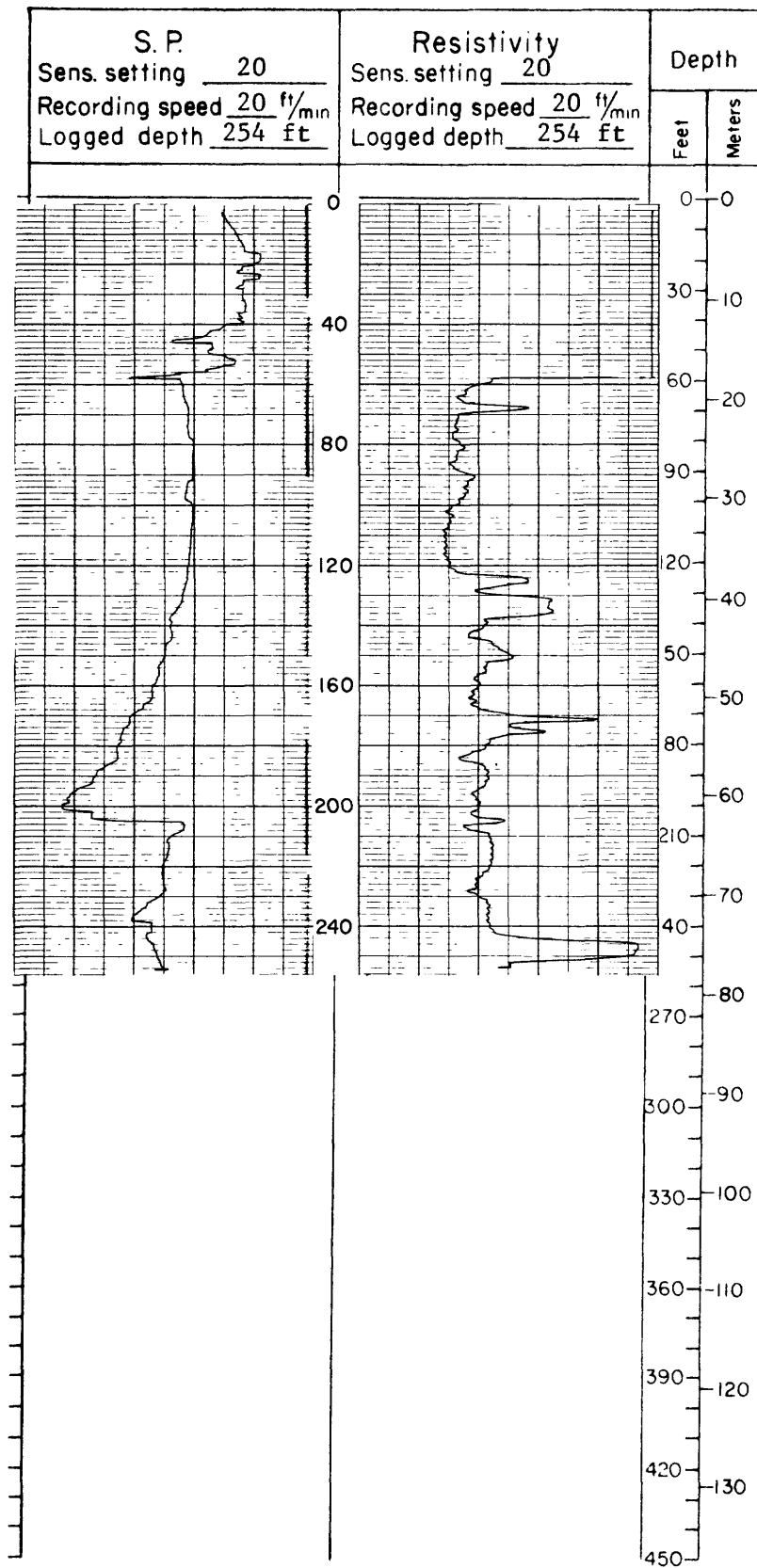
Recorded by: J. PINCHOCK

Geologist ^{Yes}~~No~~ Recorded by: J. JENSEN



Hole number (continued)

US - 7778



MONTANA BUREAU OF MINES AND GEOLOGY
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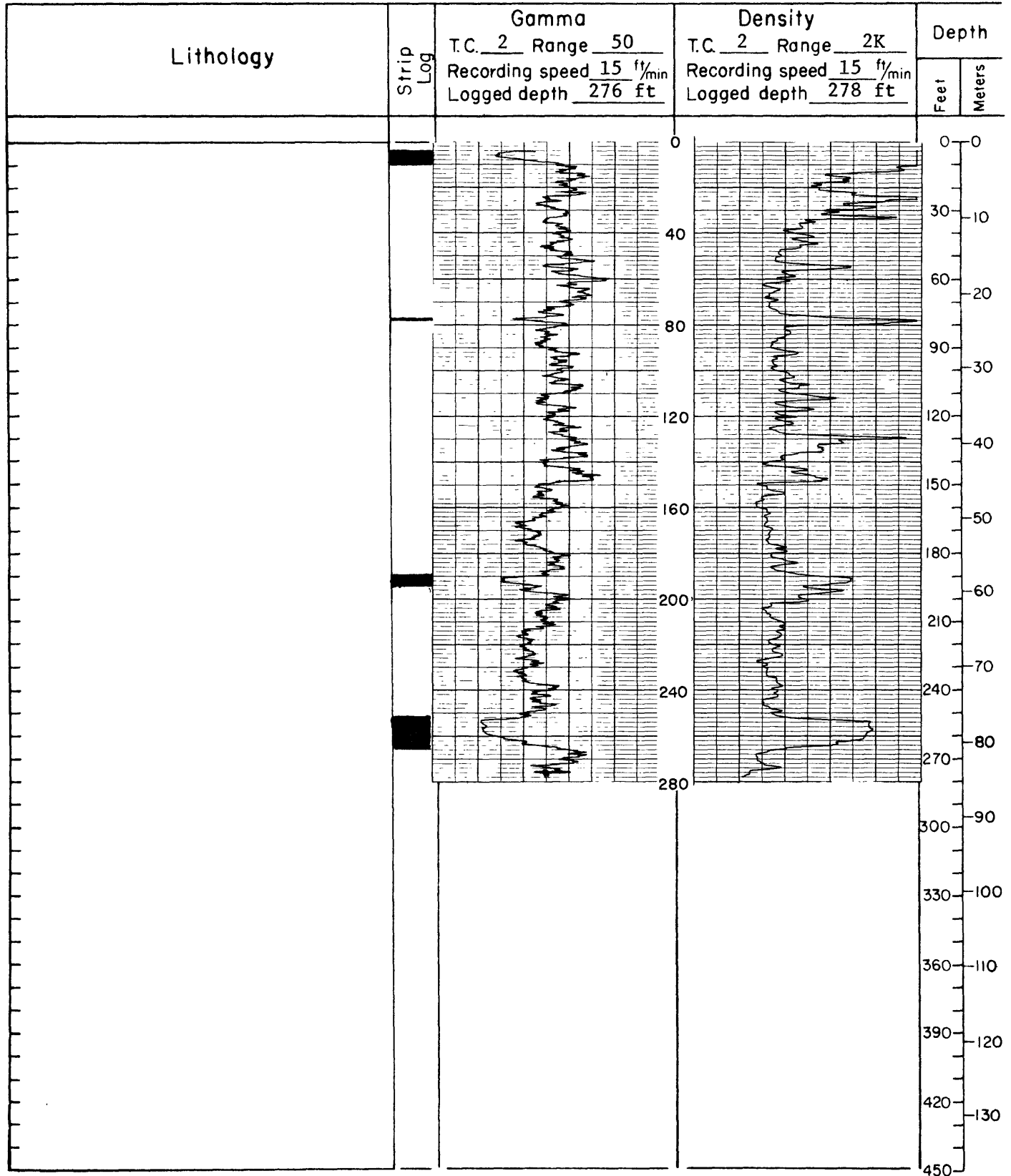
Hole no: IIS-7779 Map: Lacey Gulch Date: 7/30/77 State: Montana County: Big Horn
 Elev.: 3629 ft Location: T. 8 N. S. 42 E. W. Sec. 2, Tract ADDD Drilled depth: 280 ft
 Measured: 2580 ft ^{FNL}_{EST.}, 240 ft ^{FEL}_{EST.} Hole size: 4 3/4 in Air ☒ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

Recorded by: E. WOODS

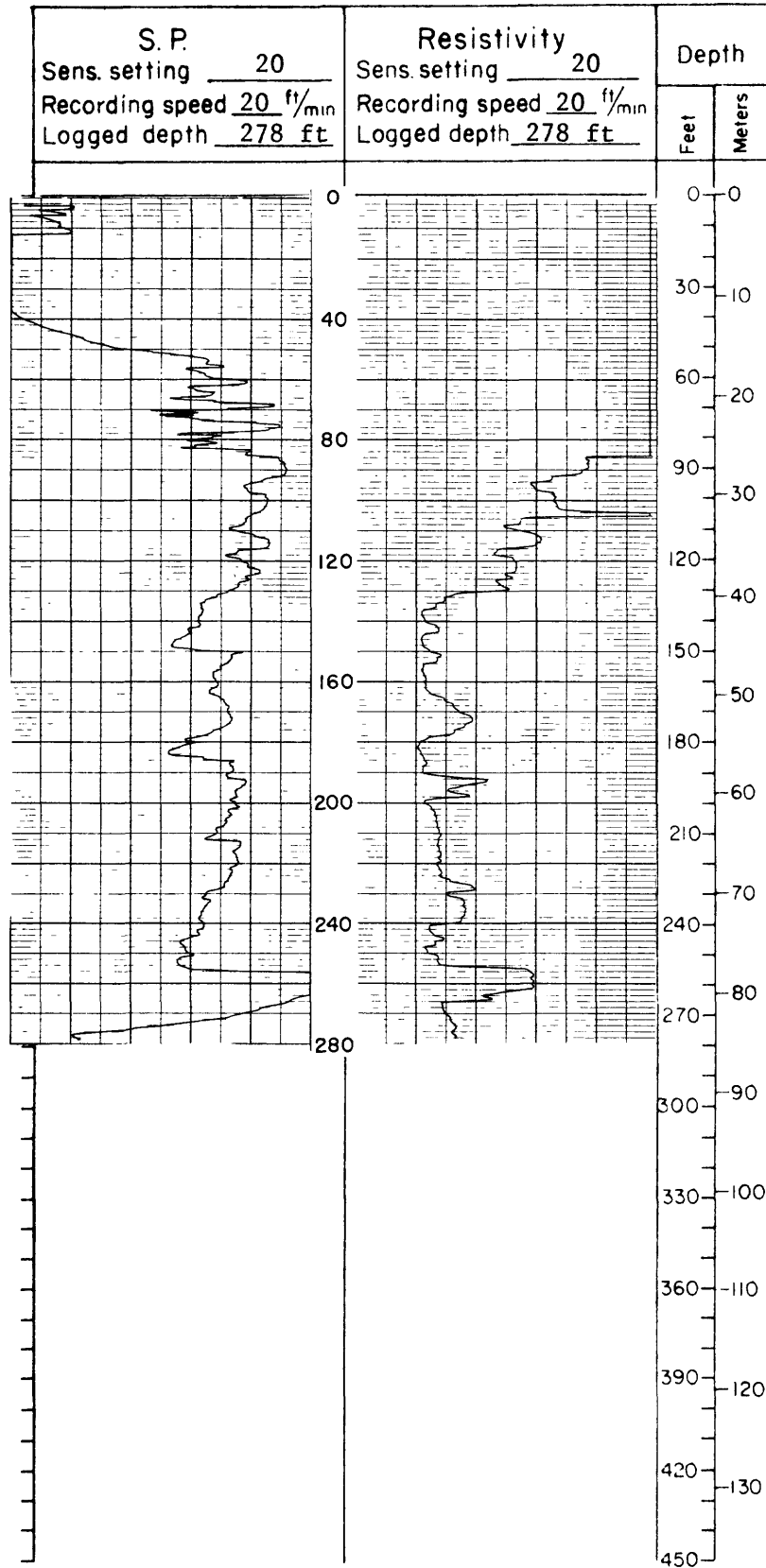
Geologist ^{Yes}_{No}

Recorded by: J. JENSEN



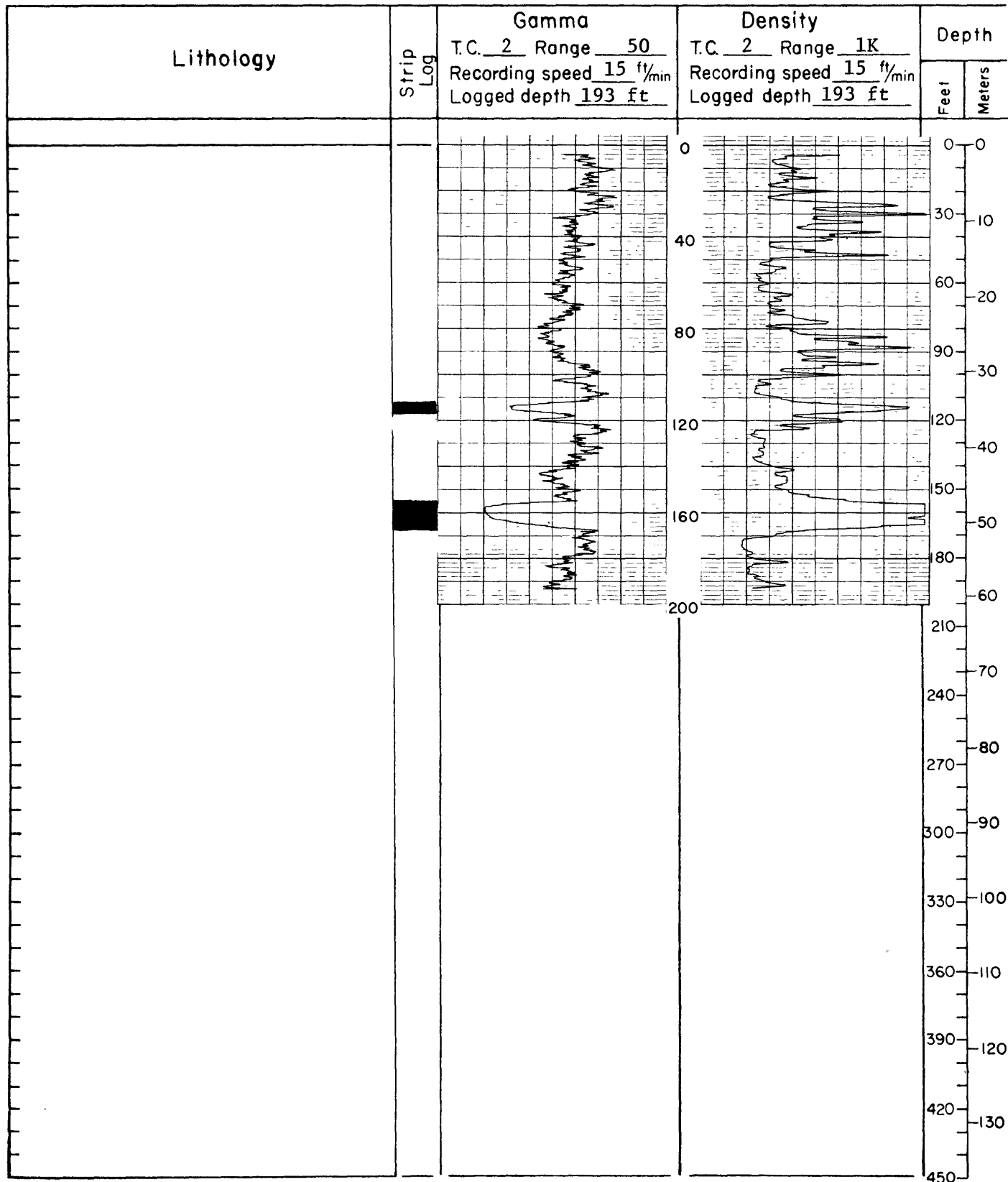
Hole number (continued)

US - 7779



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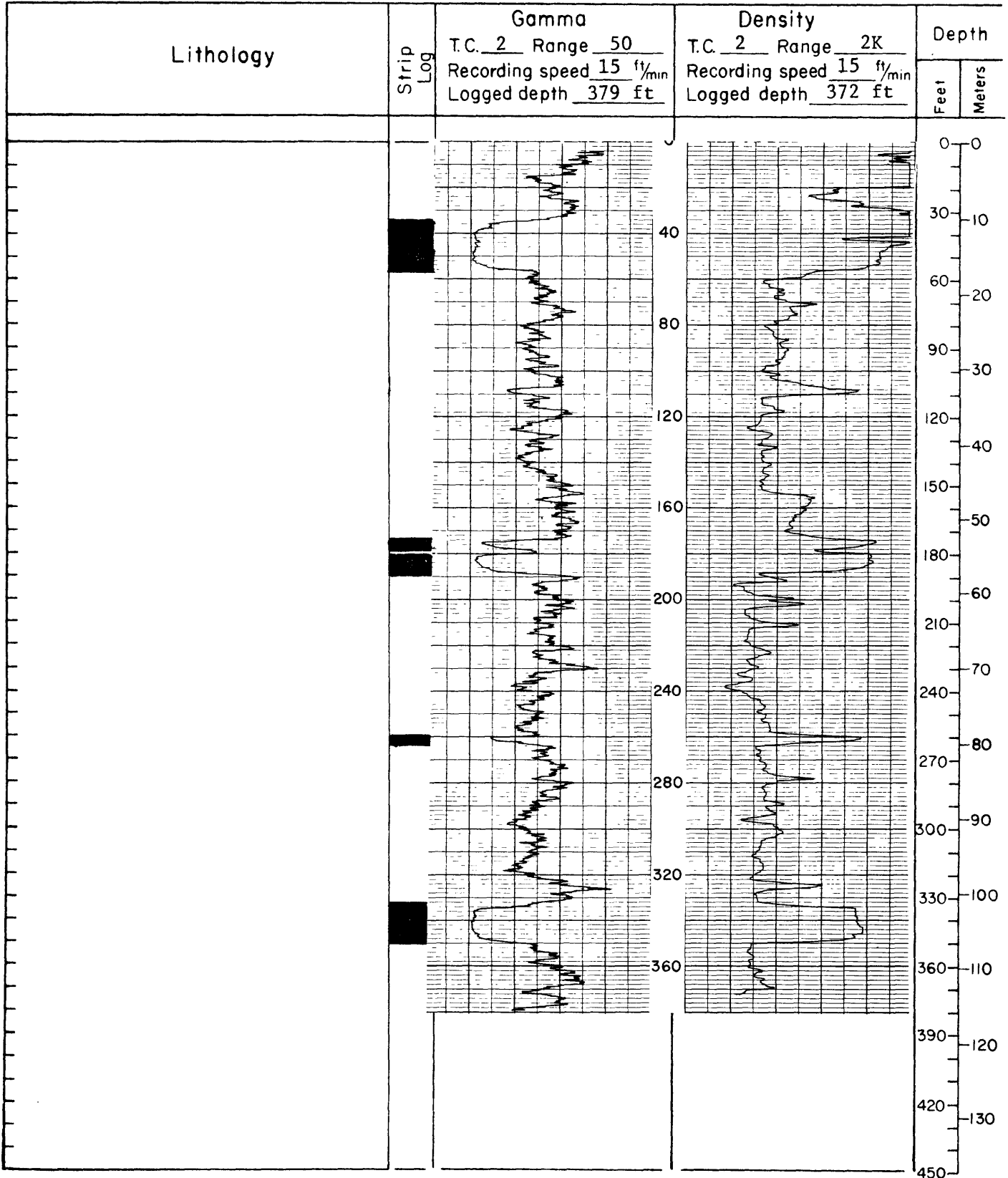
Hole no: US-7780 Map: Lacey Gulch Date: 7/31/77 State: Montana County: Big Horn
 Elev.: 3586 ft Location: T. 8 ^N_S, R. 42 ^E_W, Sec. 1, Tract BDDA Drilled depth: 195 ft
 Measured: 2090 ft ^{FNL}_{PSC}, 2410 ft ^{PSC}_{FWL} Hole size: 4 3/4 in Air ☐ Water ☒ Cored: Yes ☐ No ☒
 Remarks: U.S. Geological Survey H₂O well, observation.
 Recorded by: E. WOODS Geologist ^{Yes}_{No} Recorded by: J. JENSEN



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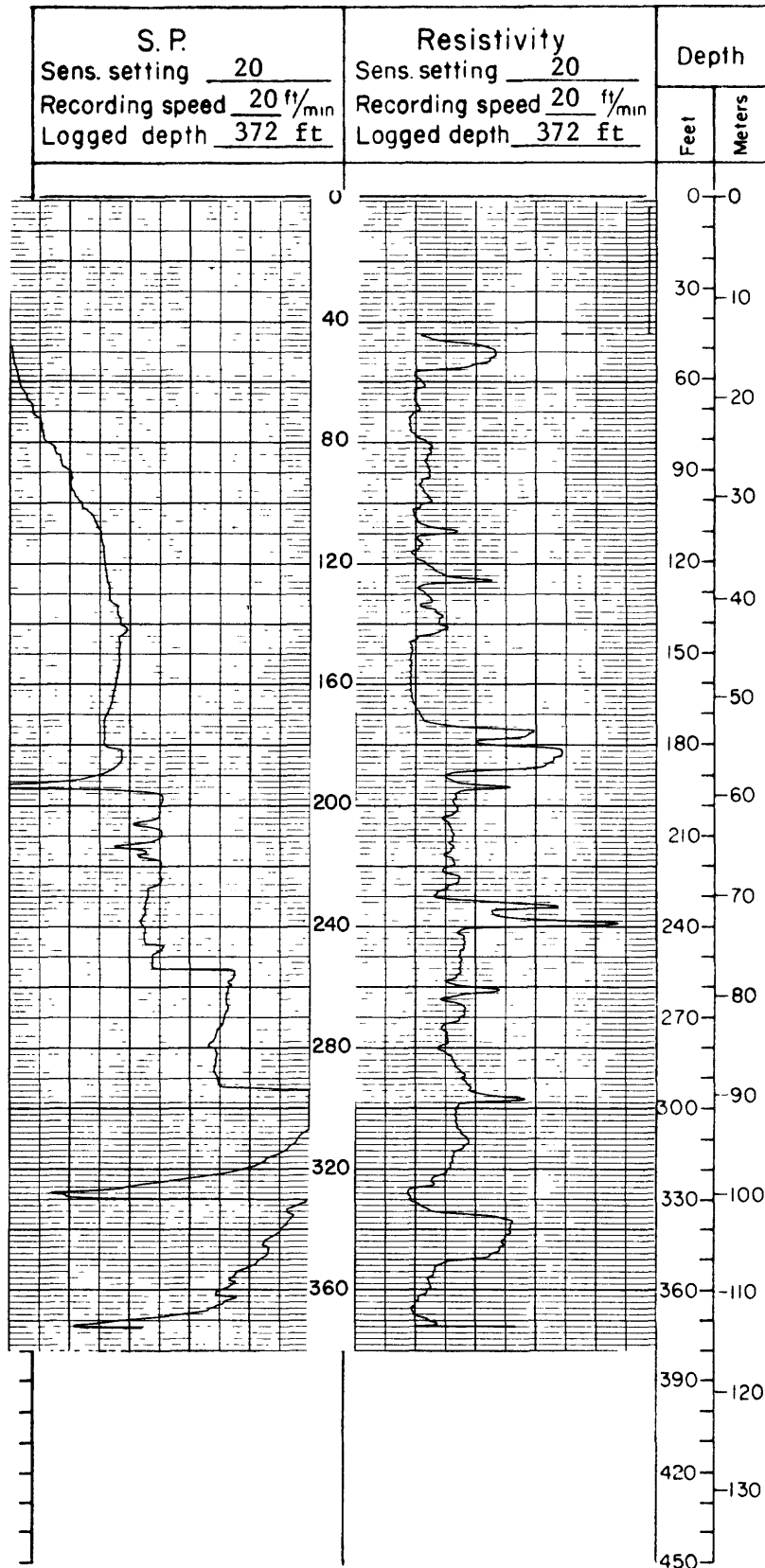
Hole no: US-7781 Map: Forks Ranch Date 7/31/77 State: Montana County: Big Horn
 Elev.: 3542 ft Location: T. 8 ~~N~~ ^E, R. 43 ~~W~~ ^E, Sec. 33, Tract DBBD Drilled depth: 380 ft
 Measured: 2085 ft ~~FSL~~ 2290 ft ~~FEL~~ ^{FSL} Hole size: 4 3/4 in Air ☒ Water ☐ Cored: Yes ☐ No ☒
 Remarks: Lost circulation at 30 feet and switched to air.

Recorded by: J. PINCHOCK Geologist ^{Yes} ~~No~~ Recorded by: J. JENSEN



Hole number (continued)

US - 7781



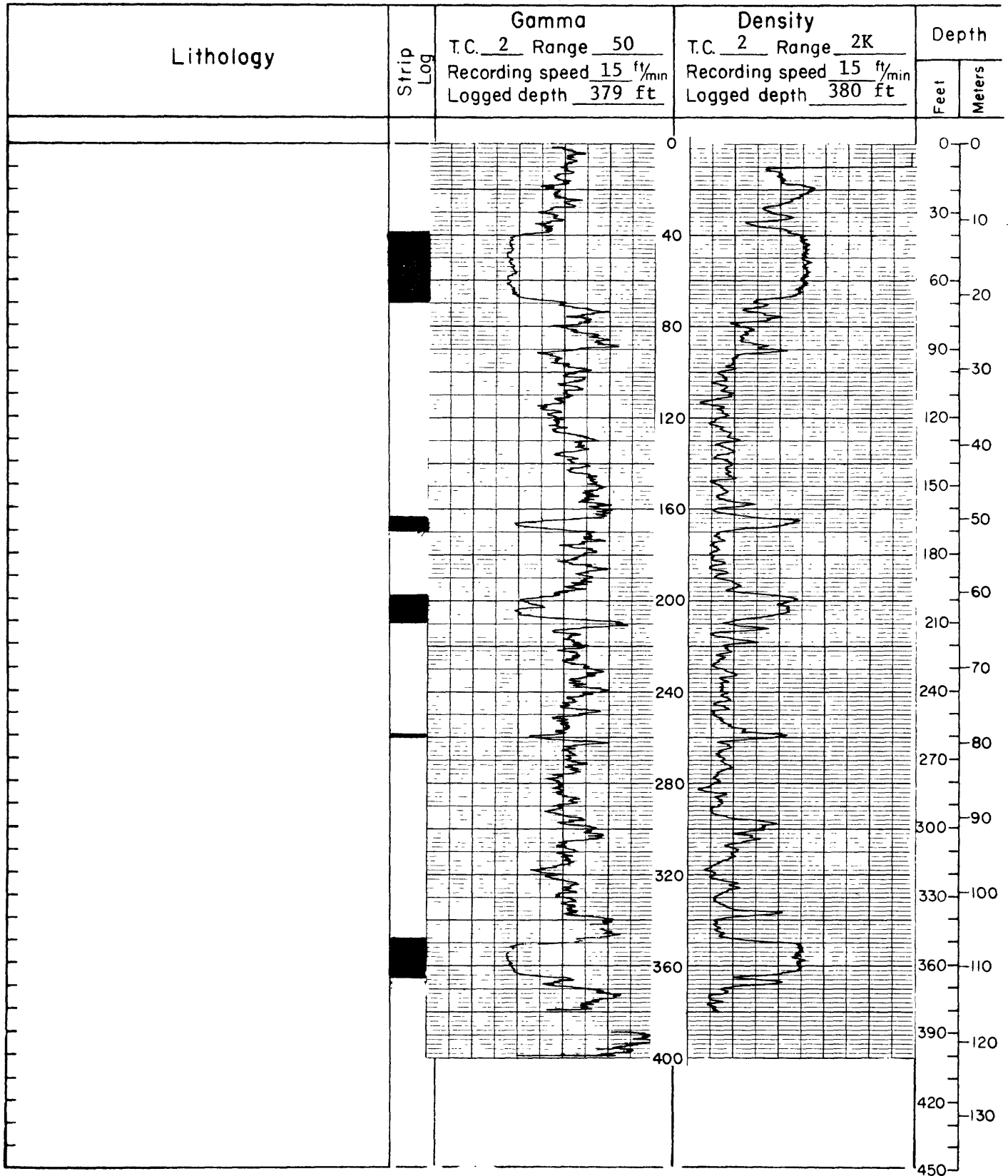
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Hole no: US-7782 Map: Forks Ranch Date: 8/1/77 State: Montana County: Big Horn
 Elev.: 3562 ft Location: T. 9 S, R. 43 E, Sec. 4, Tract BCCC Drilled depth: 380 ft
 Measured: 2460 ft ^{FNL} 521, 190 ft ^{FWL} 521 Hole size: 4 3/4 in Air ☐ Water ☒ Cored: Yes ☒ No ☐

Remarks: _____

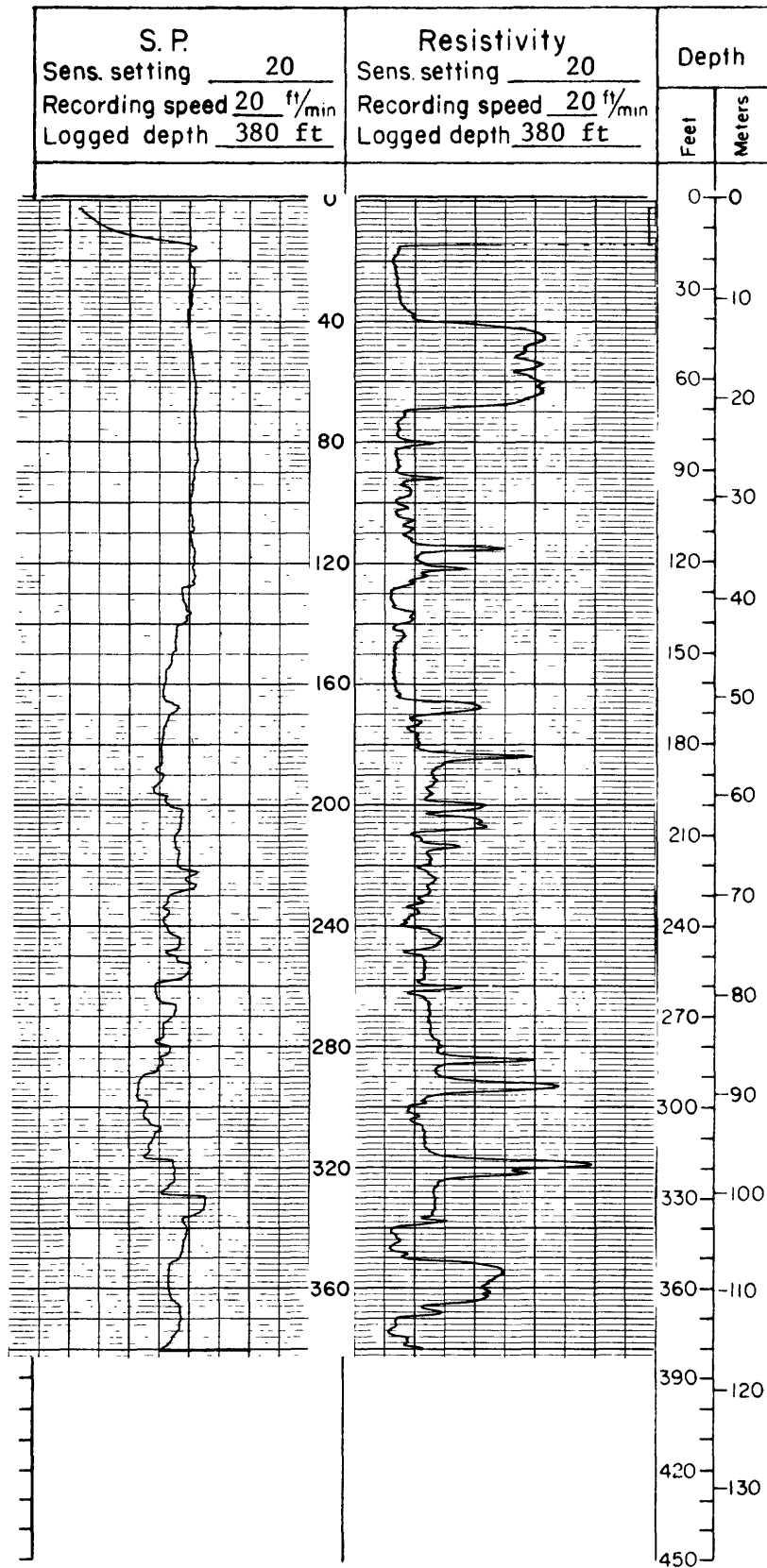
Recorded by: J. PINCHOCK

Geologist ^{Yes} NK Recorded by: J. JENSEN



Hole number (continued)

US - 7782



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

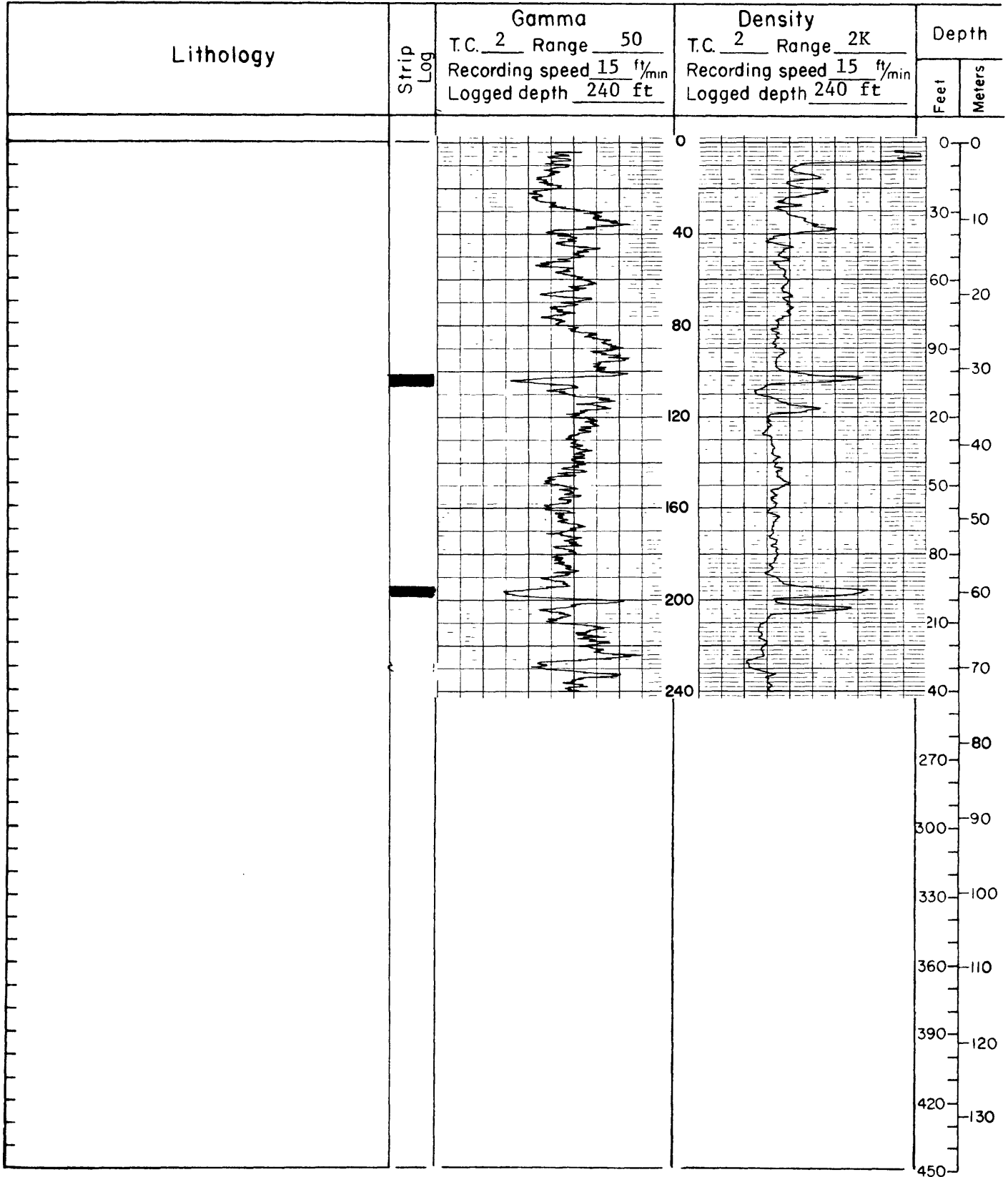
Hole no: US-7783 Map: Forks Ranch Date 8/2/77 State: Montana County: Big Horn
 Elev.: 3562 ft Location: T. 9 ^N_S, R. 43 ^W_E Sec. 5, Tract CAAC Drilled depth: 240 ft
 Measured: 2090 ft ^{FML}_{FSL}, 2060 ft ^{FXX}_{FWL} Hole size: 4 3/4 in Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

Recorded by: J. PINCHOCK

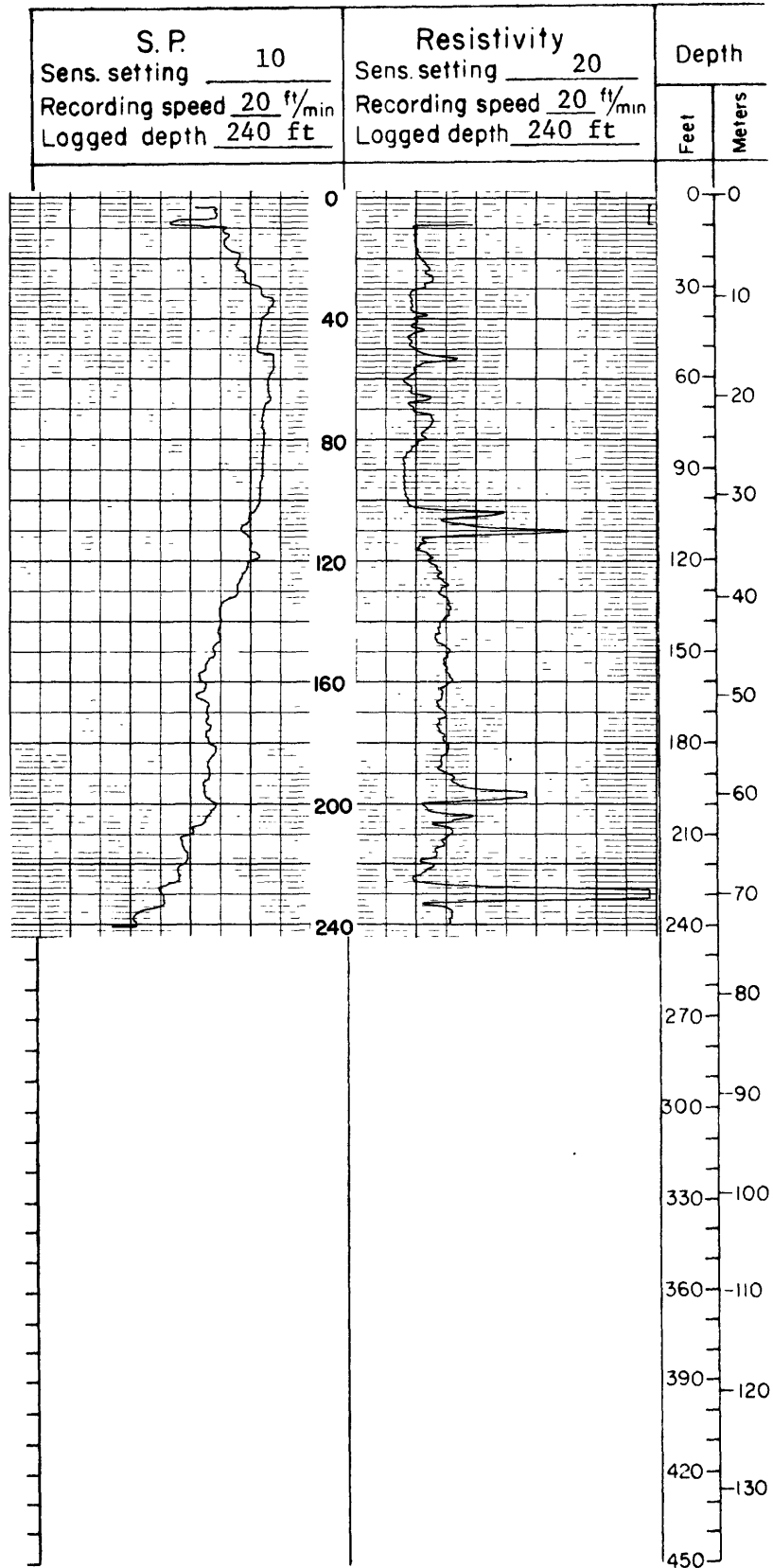
Geologist ^{Yes}_{No}

Recorded by: J. JENSEN



Hole number (continued)

US - 7783



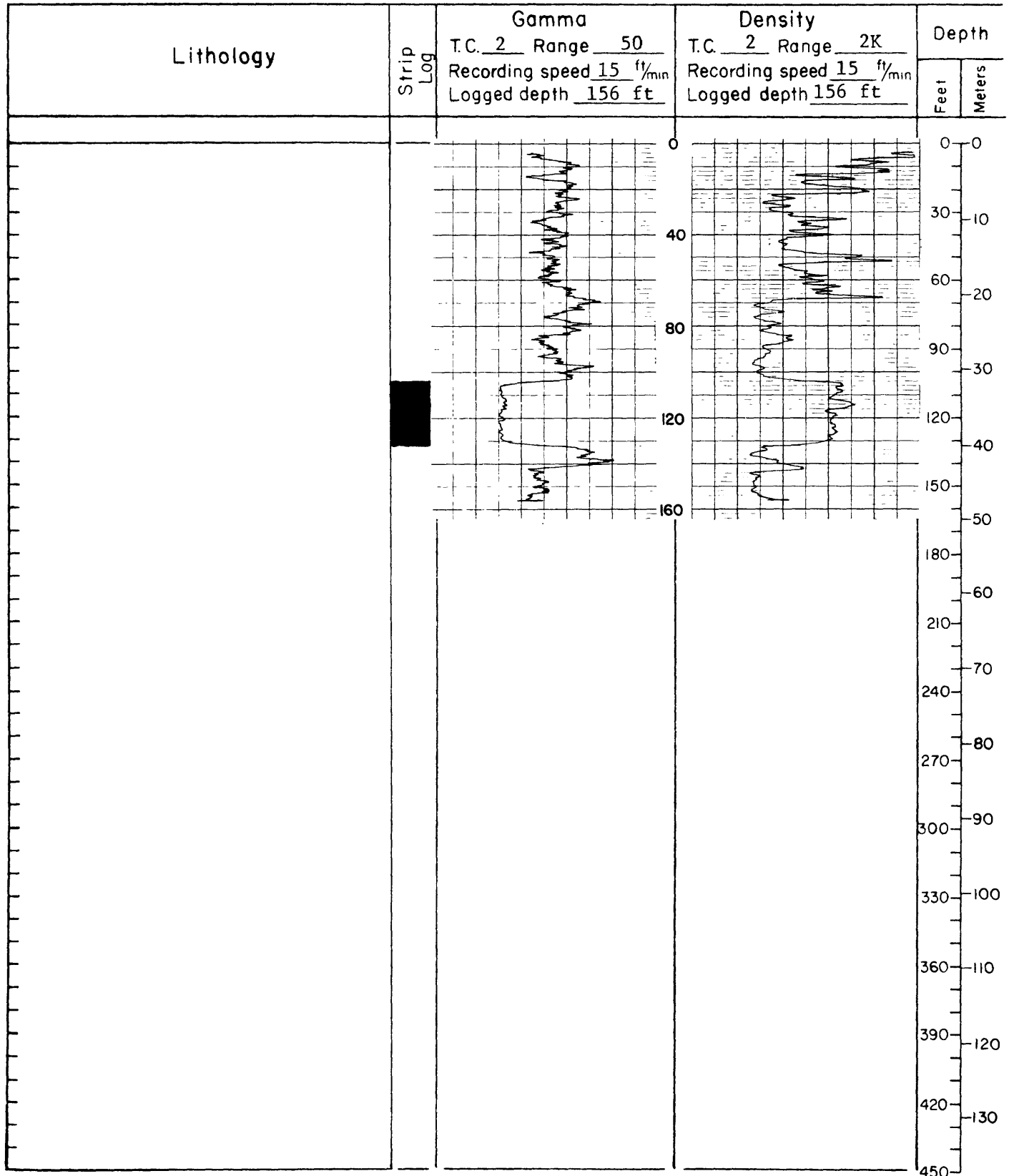
MONTANA BUREAU OF MINES AND GEOLOGY
Montana College of Mineral Science and Technology

Hole no: US-7784 Map: Forks Ranch Date 8/2/77 State: Montana County: Big Horn
 Elev.: 3660 ft Location: T. 9 ^N_S, R. 43 ^E_W, Sec. 8, Tract ABDA Drilled depth: 160 ft
 Measured: 730 ft ^{FNL}_{SSL} 1550 ft ^{FEL}_{FWK} Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

Recorded by: J. PINCHOCK

Geologist ^{Yes}_{No} Recorded by: J. JENSEN



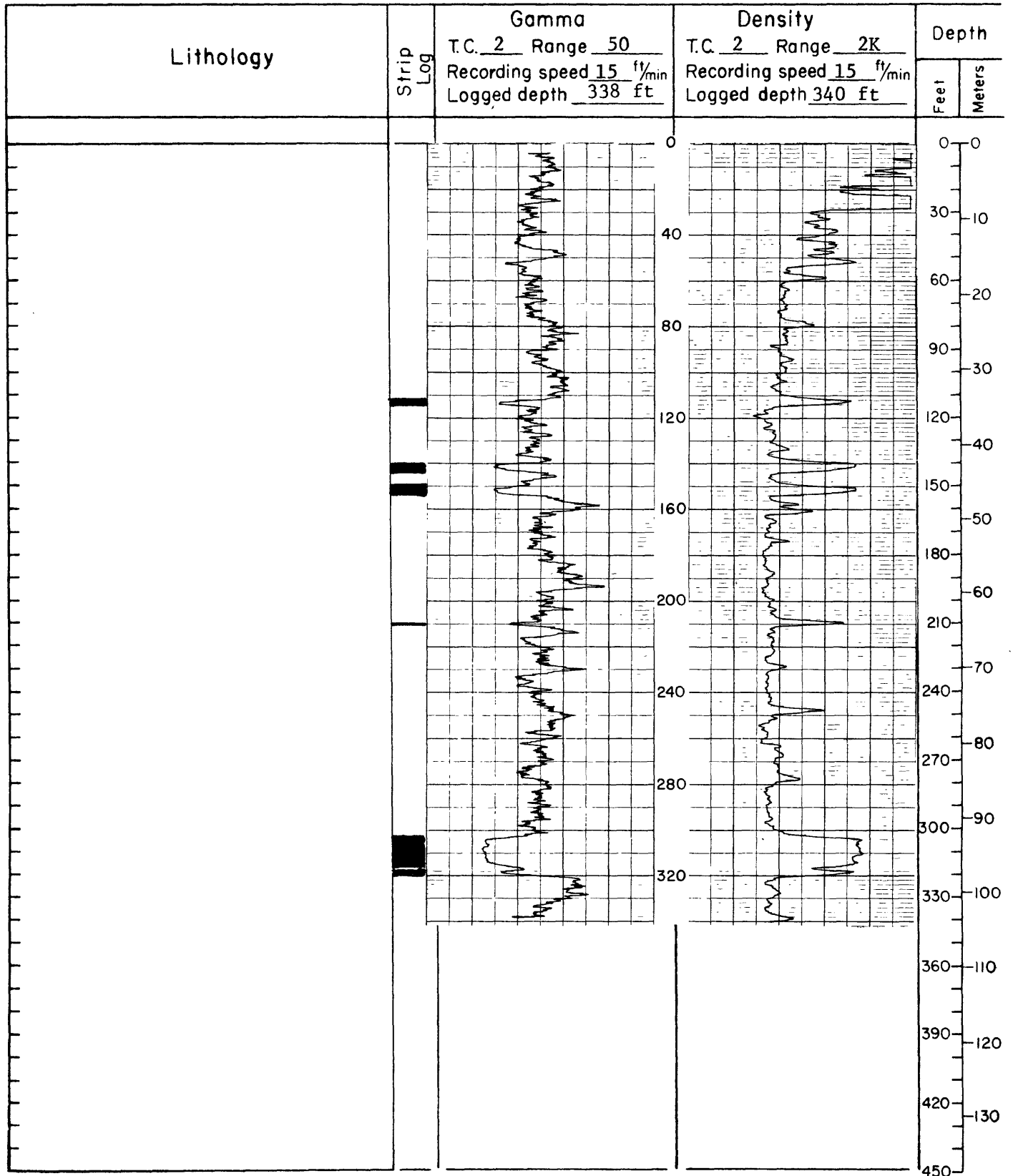
MONTANA BUREAU OF MINES AND GEOLOGY
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Hole no: US-7785 Map: Forks Ranch Date 8/2/77 State: Montana County: Big Horn
 Elev.: 3559 ft Location: T. 9 S, R. 43 E, Sec. 9, Tract ADCB Drilled depth: 340 ft
 Measured: 2090 ft ^{FNL} 1060 ft ^{FEL} ~~RSL~~ ~~RWL~~ Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

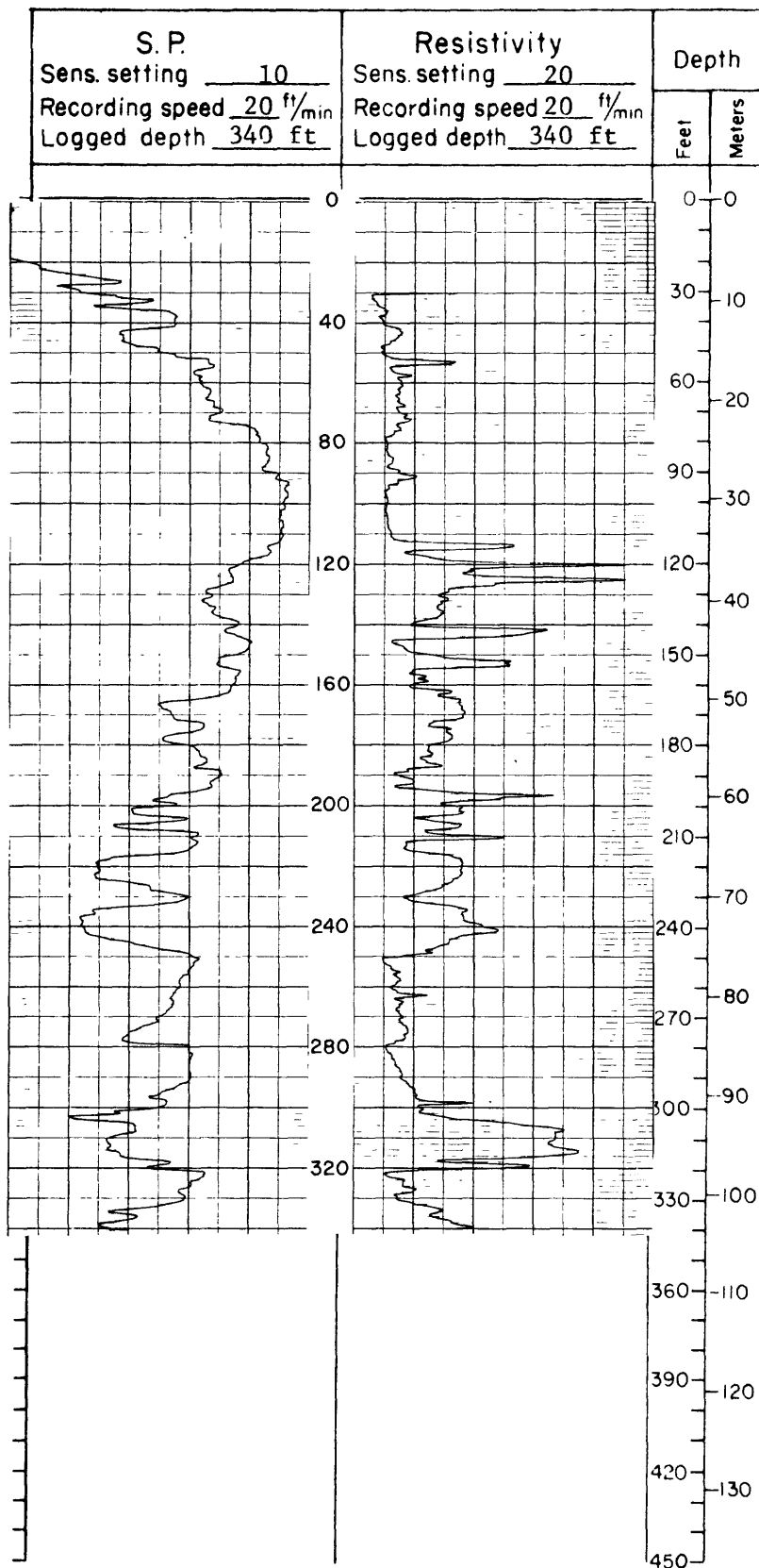
Recorded by: E. WOODS

Geologist ^{Ys} No _____ Recorded by: J. JENSEN



Hole number (continued)

US - 7785



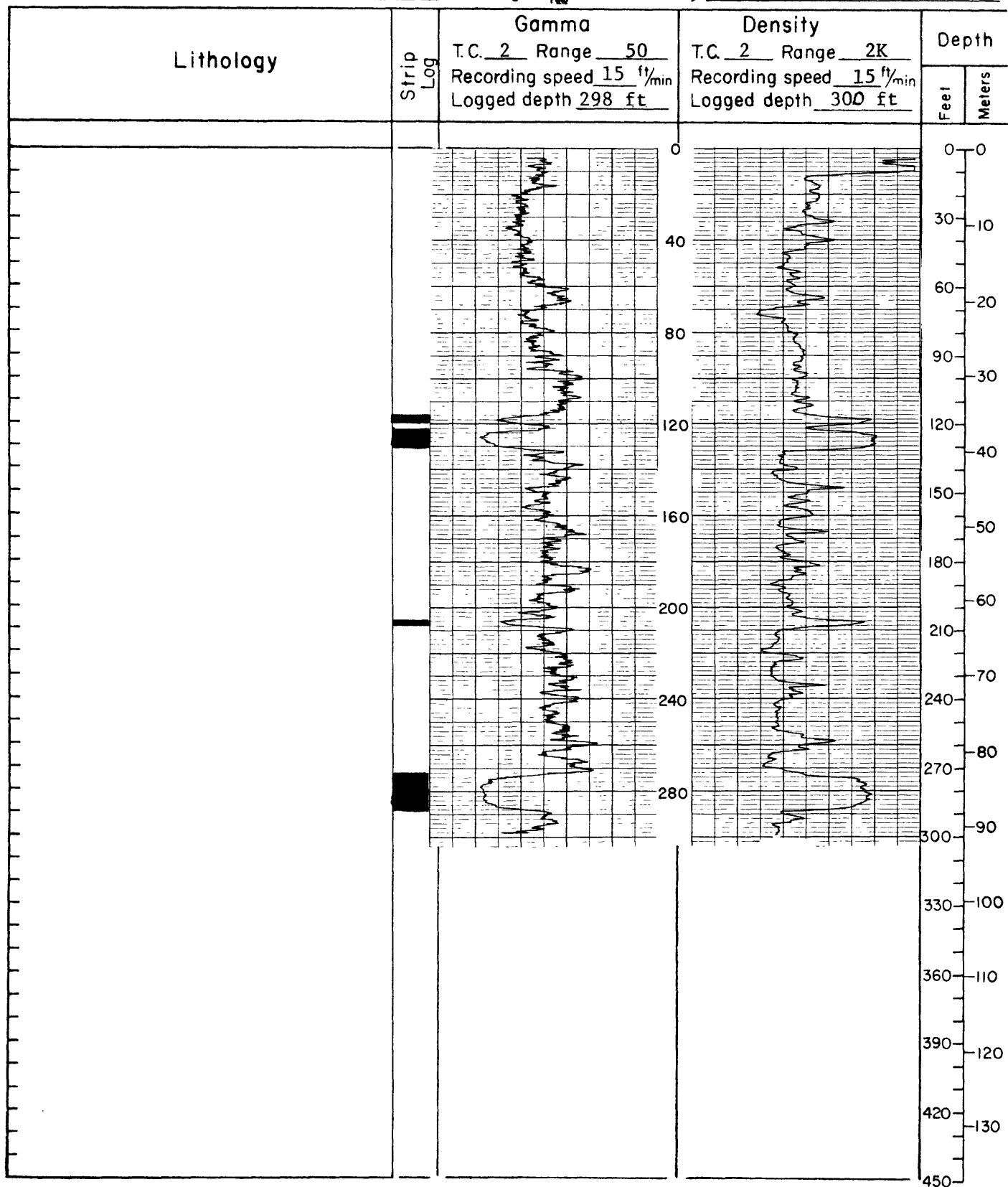
MONTANA BUREAU OF MINES AND GEOLOGY
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Hole no: US-7786 Map: Forks Ranch Date 8/3/77 State: Montana County: Big Horn
 Elev.: 3525 ft Location: T. 9 S, R. 43 E, Sec. 3, Tract BDBC Drilled depth: 300 ft
 Measured: 1950 ft ^{FNL} 1440 ft ^{RBL} ^{FWL} Hole size: 4 3/4 in Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

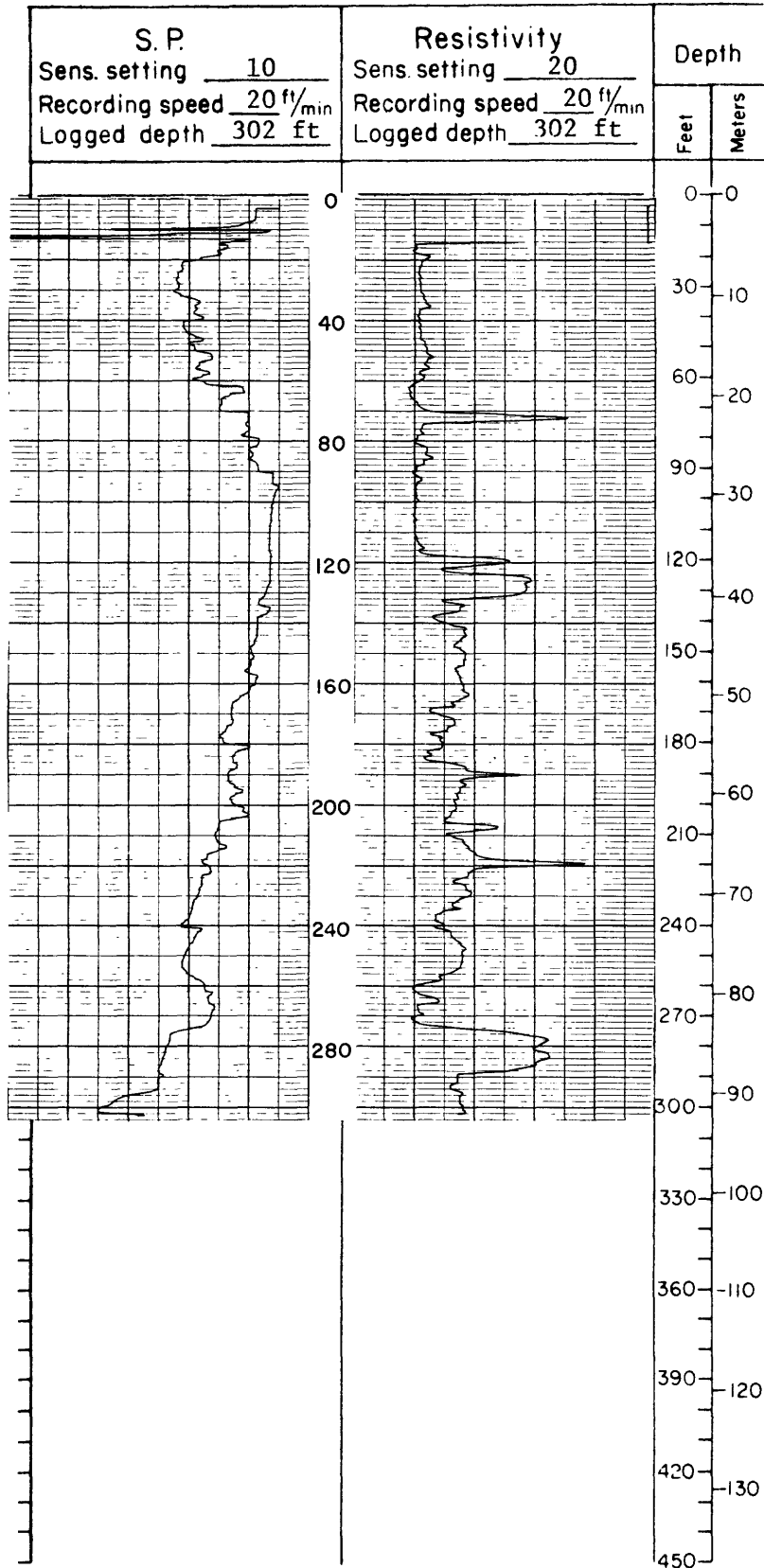
Recorded by: J. PINCHOCK

Geologist ^{Yes} _{No} Recorded by: J. JENSEN



Hole number (continued)

US-7786



B101

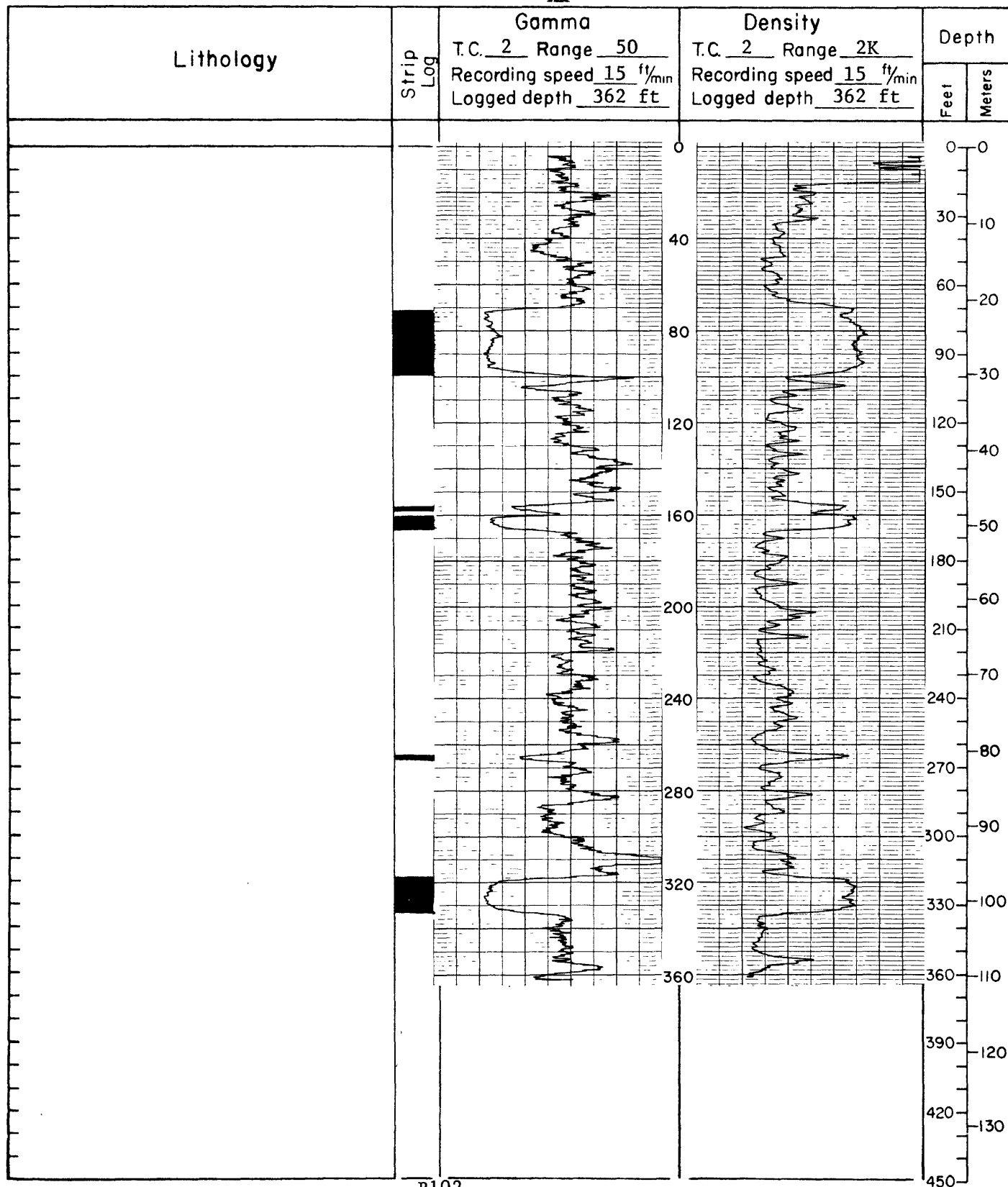
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Hole no: US-7787 Map: Forks Ranch Date: 8/3/77 State: Montana County: Big Horn
 Elev.: 3580 ft Location: T. 9 ^N S, R. 43 ^E W, Sec. 2, Tract DCCB Drilled depth: 362 ft
 Measured: 350 ft ^{FSL} 2450 ft ^{FEL} Hole size: 4 3/4 in Air ☐ Water ☒ Cored: Yes ☐ No ☐

Remarks: _____

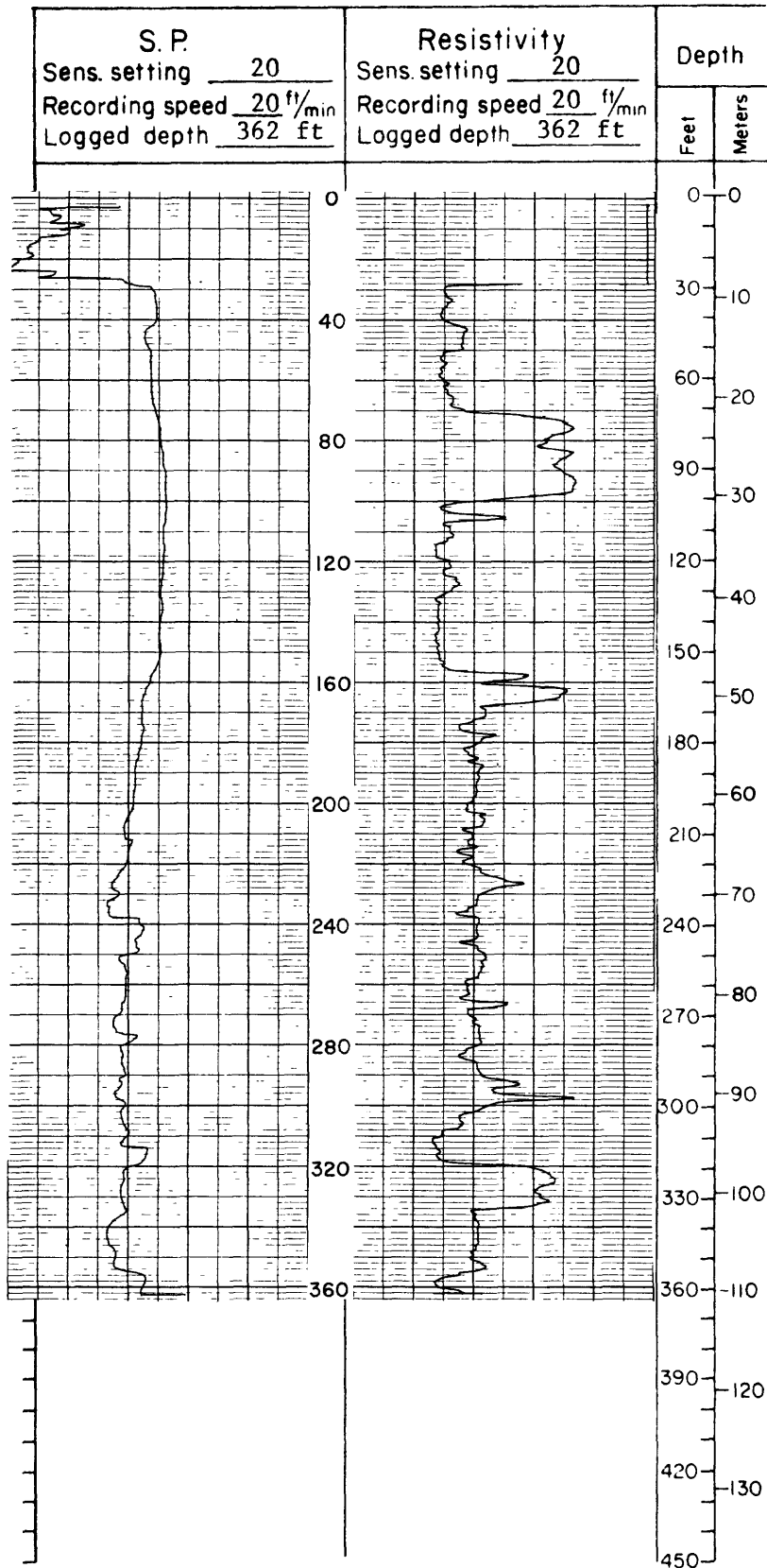
Recorded by: J. PINCHOCK

Geologist ^{Yes} ~~No~~ Recorded by: J. JENSEN



Hole number (continued)

US - 7787



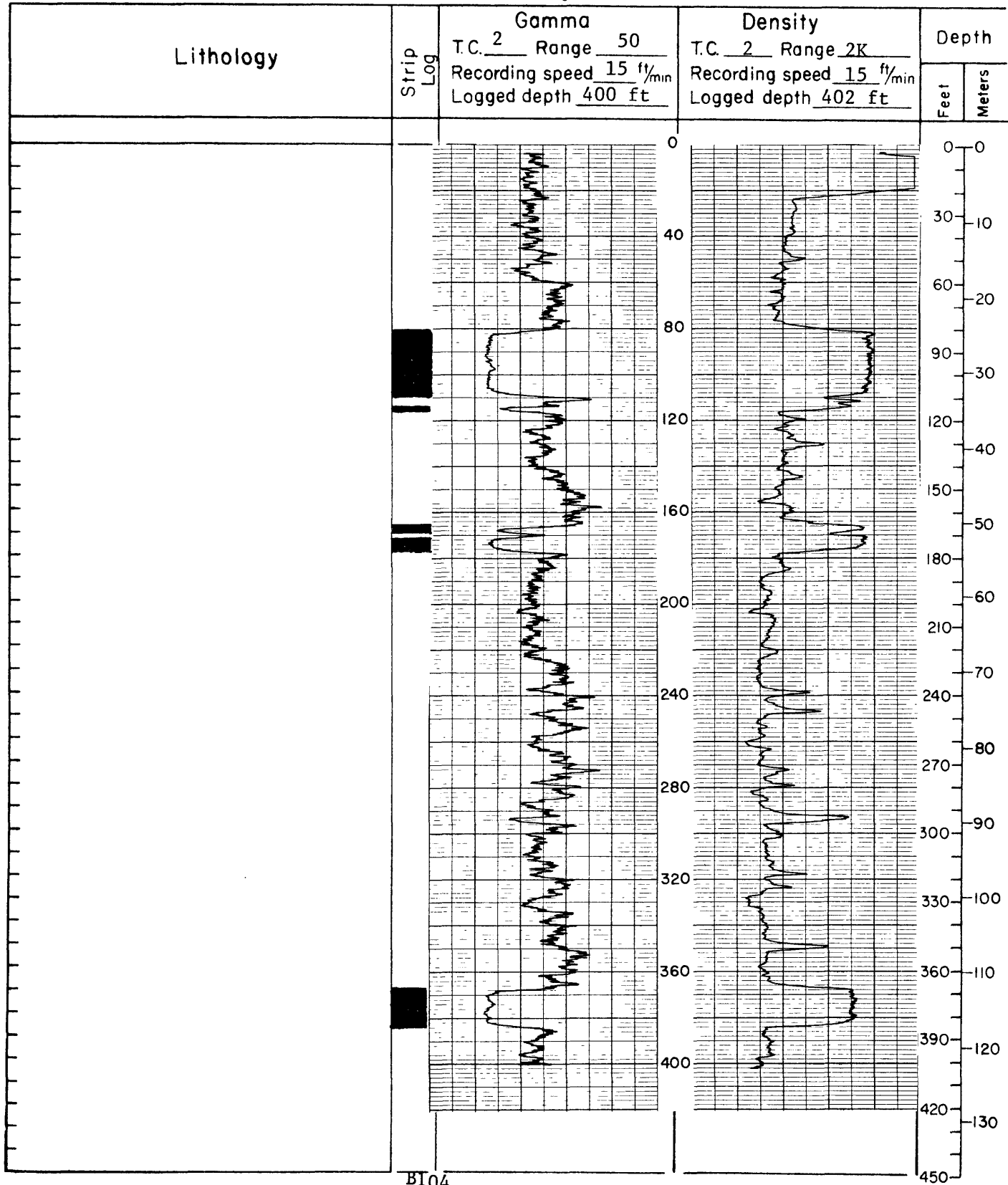
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Montana College of Mineral Science and Technology

Hole no: US-7788 Map: Forks Ranch Date: 8/4/77 State: Montana County: Big Horn
 Elev.: 3621 ft Location: T. 9 S, R. 43 E, Sec. 12, Tract DBBA Drilled depth: 402 ft
 Measured: 2370 ft ~~FSL~~ 2110 ft ~~FEL~~ ~~FWL~~ Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

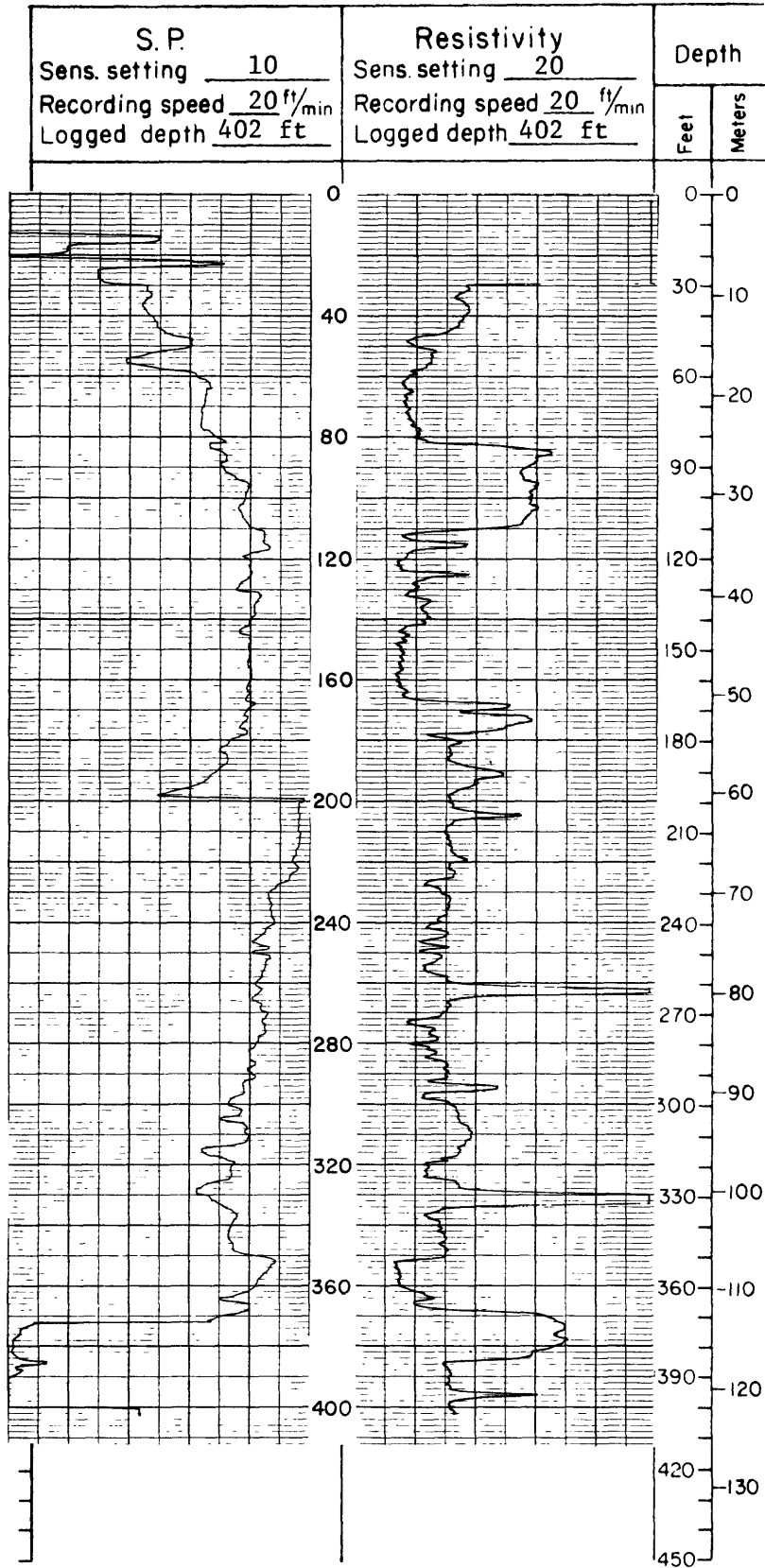
Recorded by: E. WOODS

Geologist ~~Yes~~ No Recorded by: J. JENSEN



Hole number (continued)

US-7788



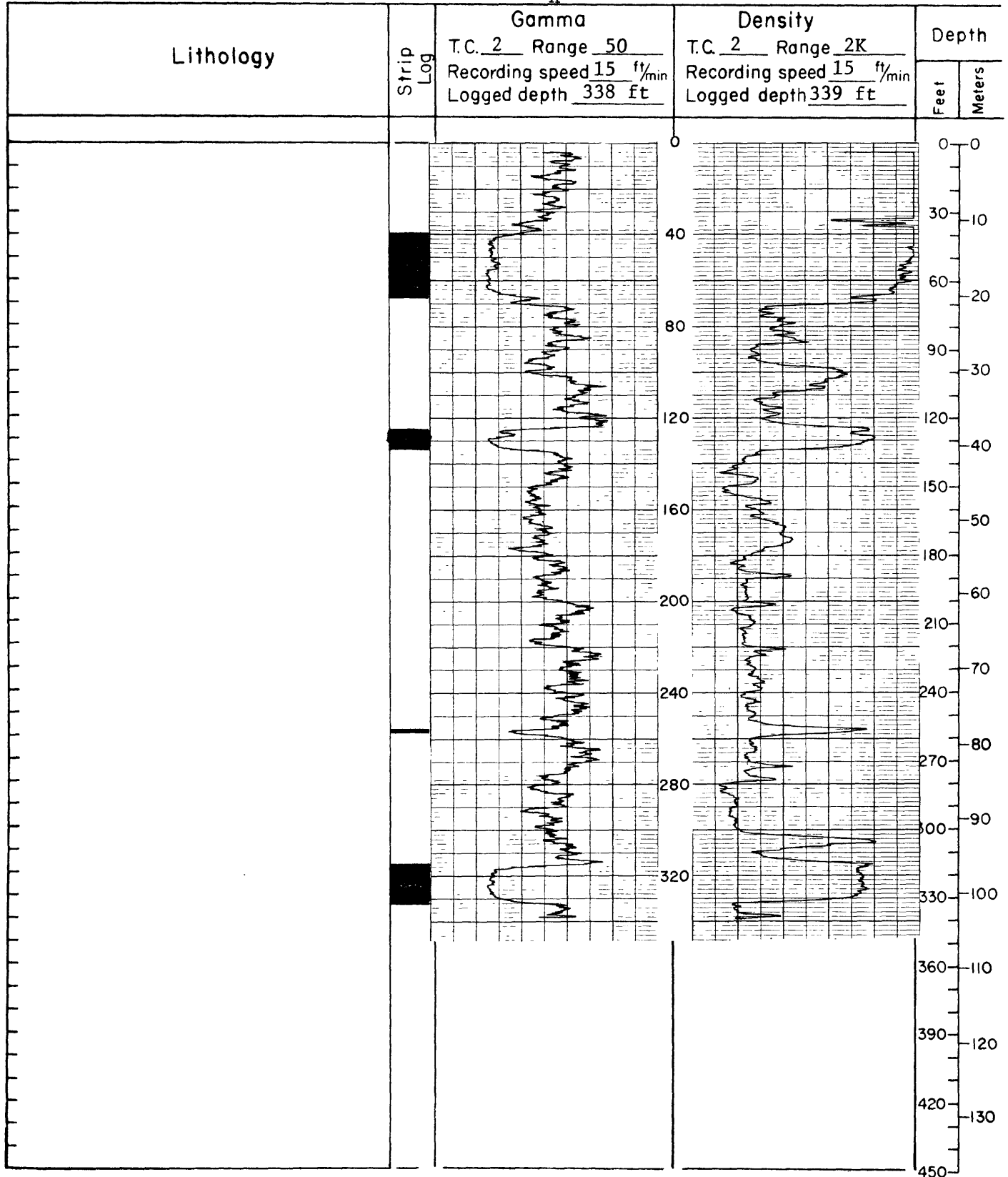
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Hole no: US-7789 Map: Forks Ranch Date: 8/11/77 State: Montana County: Big Horn
 Elev.: 3605 ft Location: T. 9 S, R. 43 E, Sec. 1, Tract DCDD Drilled depth: 340 ft
 Measured: 130 ft ~~FSL~~ 1615 ft ~~FEL~~ ~~RW~~ Hole size: 4 3/4 in Air ☒ Water ☐ Cored: Yes ☐ No ☒

Remarks: _____

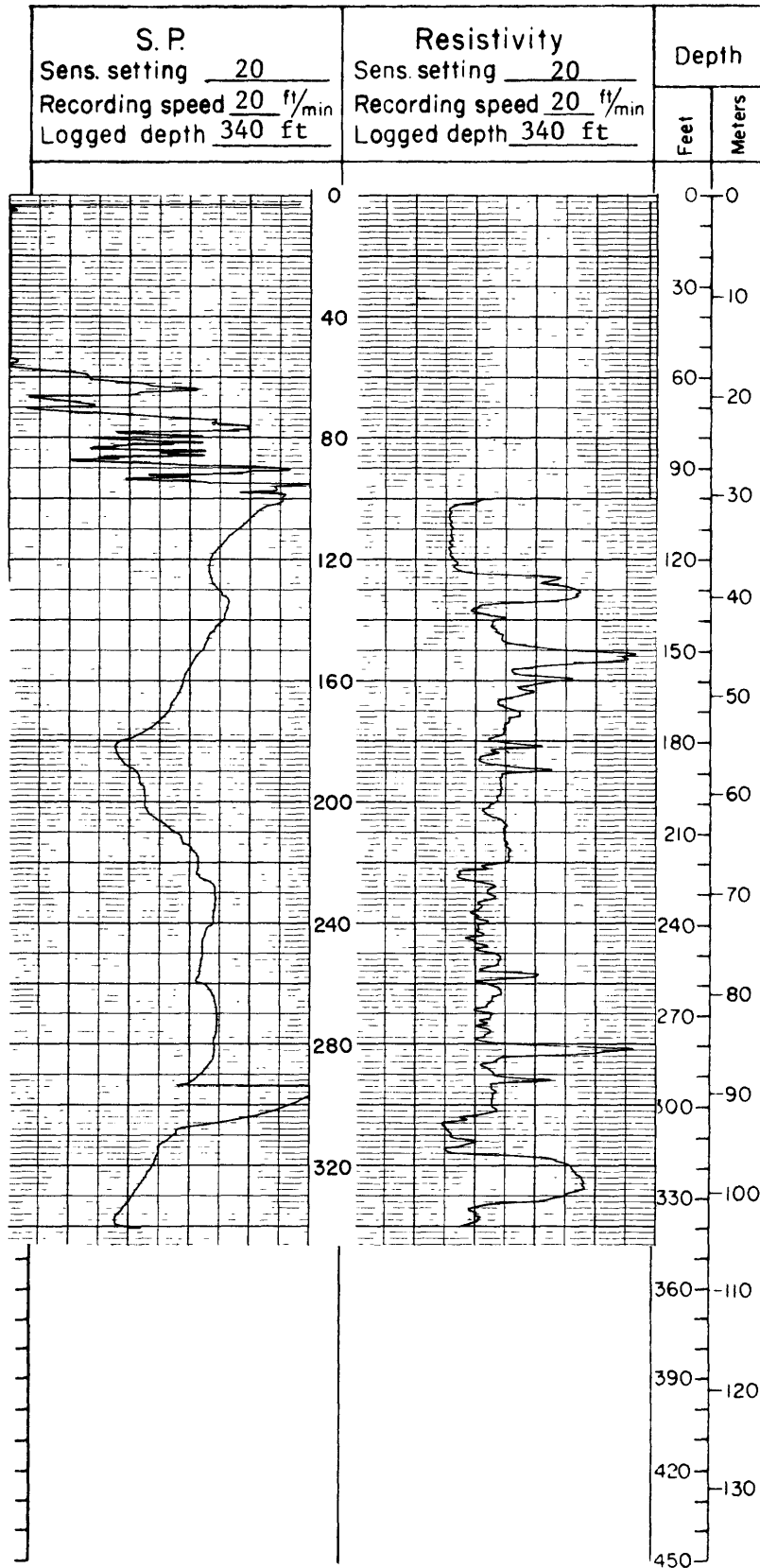
Recorded by: J. PINCHOCK

Geologist ^{Yes}_{No} Recorded by: J. JENSEN



Hole number (continued)

US-7789



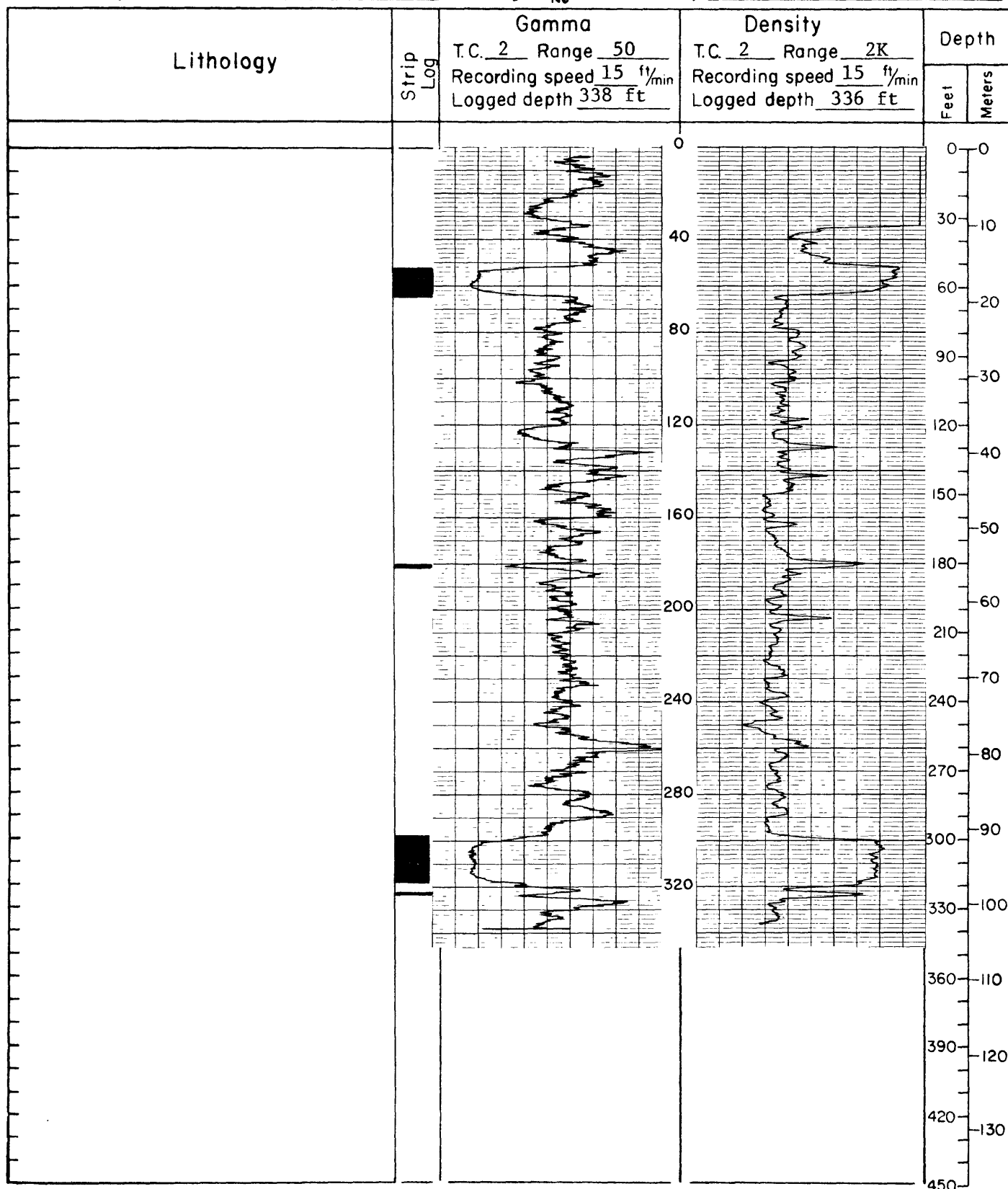
MONTANA BUREAU OF MINES AND GEOLOGY
Montana College of Mineral Science and Technology

Hole no: US-7790 Map: Forks Ranch Date 8/12/77 State: Montana County: Big Horn
 Elev.: 3598 ft Location: T. 8 ^N_S, R. 43 ^E_W, Sec. 23, Tract DBCC Drilled depth: 342 ft
 Measured: 1475 ft ~~KNE~~ ^{FEL} 2600 ft ~~RWK~~ Hole size: 4 3/4 in Air ☒ Water ☐ Cored: Yes ☒ No ☐

Remarks: _____

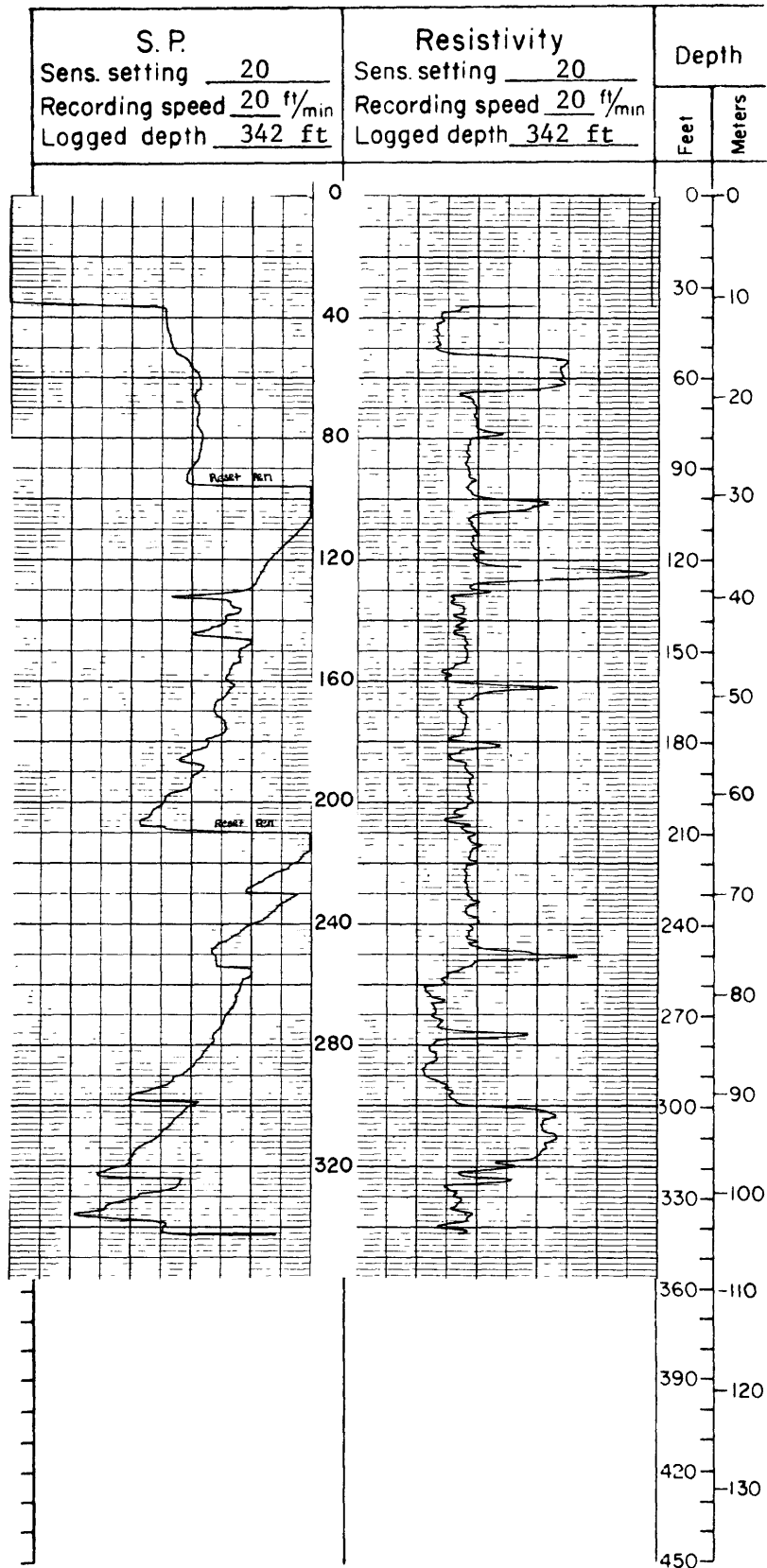
Recorded by: J. PINCHOCK

Geologist ^{Yes}_{No} Recorded by: J. JENSEN



Hole number (continued)

US - 7790



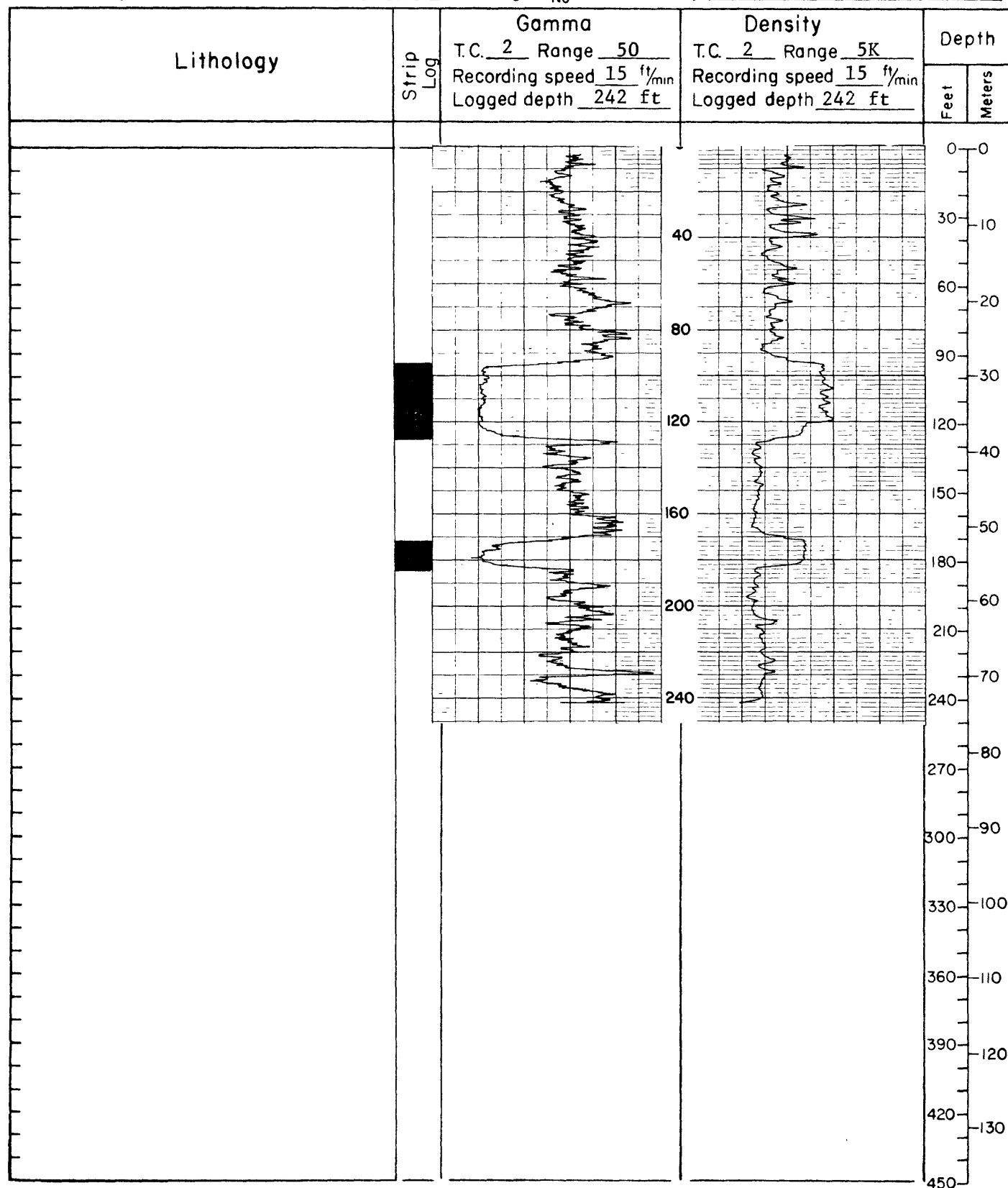
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Montana College of Mineral Science and Technology

Hole no: US-7791 Map: Forks Ranch Date: 8/11/77 State: Montana County: Big Horn
 Elev.: 3710 ft Location: T. 8 S, R. 43 E, Sec. 25, Tract ABAC Drilled depth: 250 ft
 Measured: 610 ft FNL 1970 ft FEL 500 ft Hole size: 4 3/4 in Air ☒ Water ☐ Cored: Yes ☐ No ☒

Remarks: _____

Recorded by: E. WOODS

Geologist ^{Yes}_{No} Recorded by: J. JENSEN



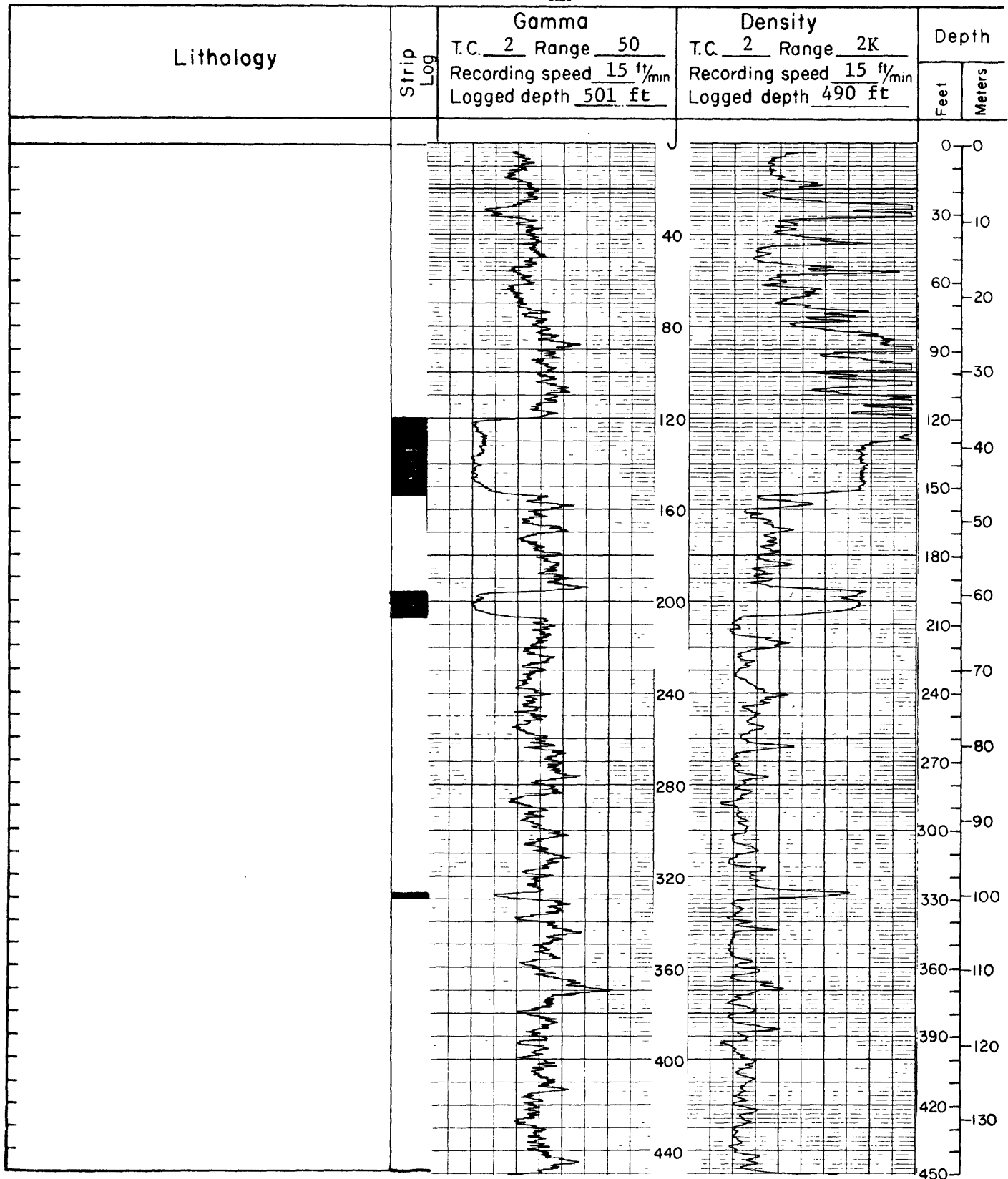
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Montana College of Mineral Science and Technology

Hole no: US-7792 Map: Forks Ranch Date: 8/11/77 State: Montana County: Big Horn
 Elev.: 3720 ft Location: T. 8 N. S. R. 43 E. Sec. 26, Tract AACC Drilled depth: 501 ft
 Measured: 1020 ft FNL 1300 ft FEL 1300 ft Hole size 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

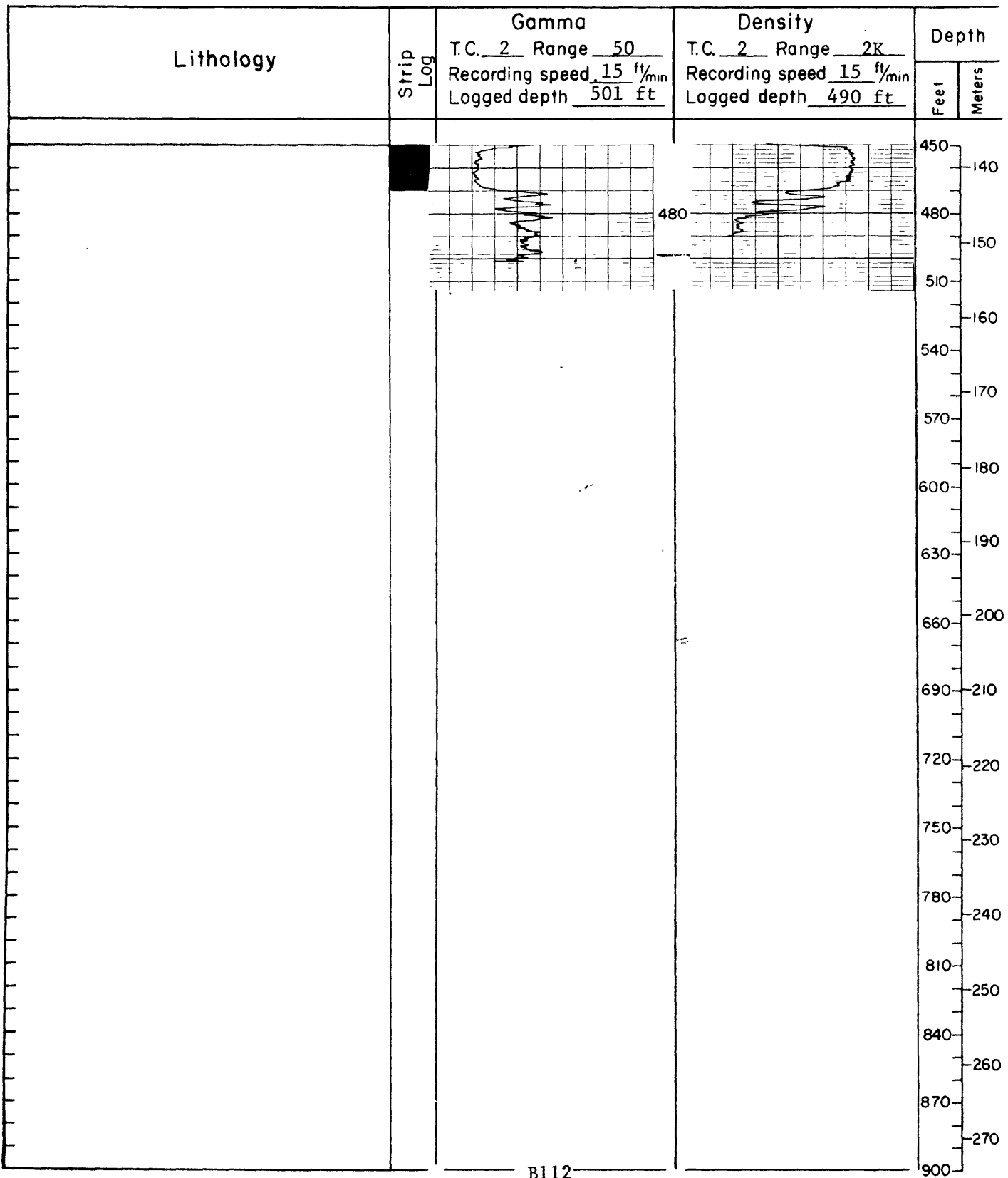
Recorded by: J. PINCHOCK

Geologist ^{Yes} ~~No~~ Recorded by: J. JENSEN



Hole number (continued)

US - 7792

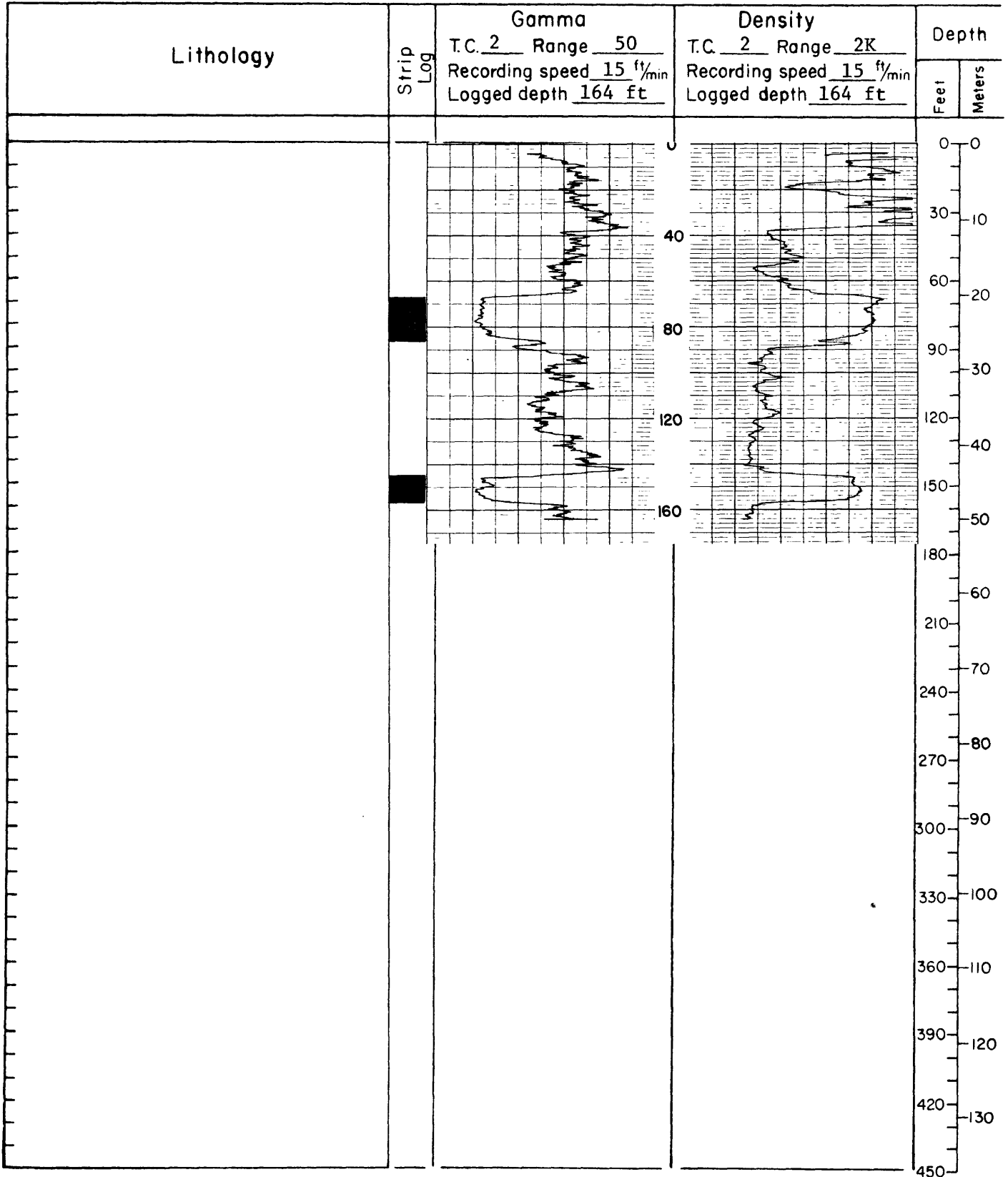


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Hole no: US-7793 Map: Forks Ranch Date: 8/12/77 State: Montana County: Big Horn
 Elev.: 3662 ft Location: T. 8 S., R. 43 E., Sec. 27, Tract BADA Drilled depth: 164 ft
 Measured 860 ft ^{FNL} ~~860~~, 2450 ft ^{FWL} ~~2450~~ Hole size: 4 3/4 in Air ☒ Water ☐ Cored: Yes ☐ No ☒

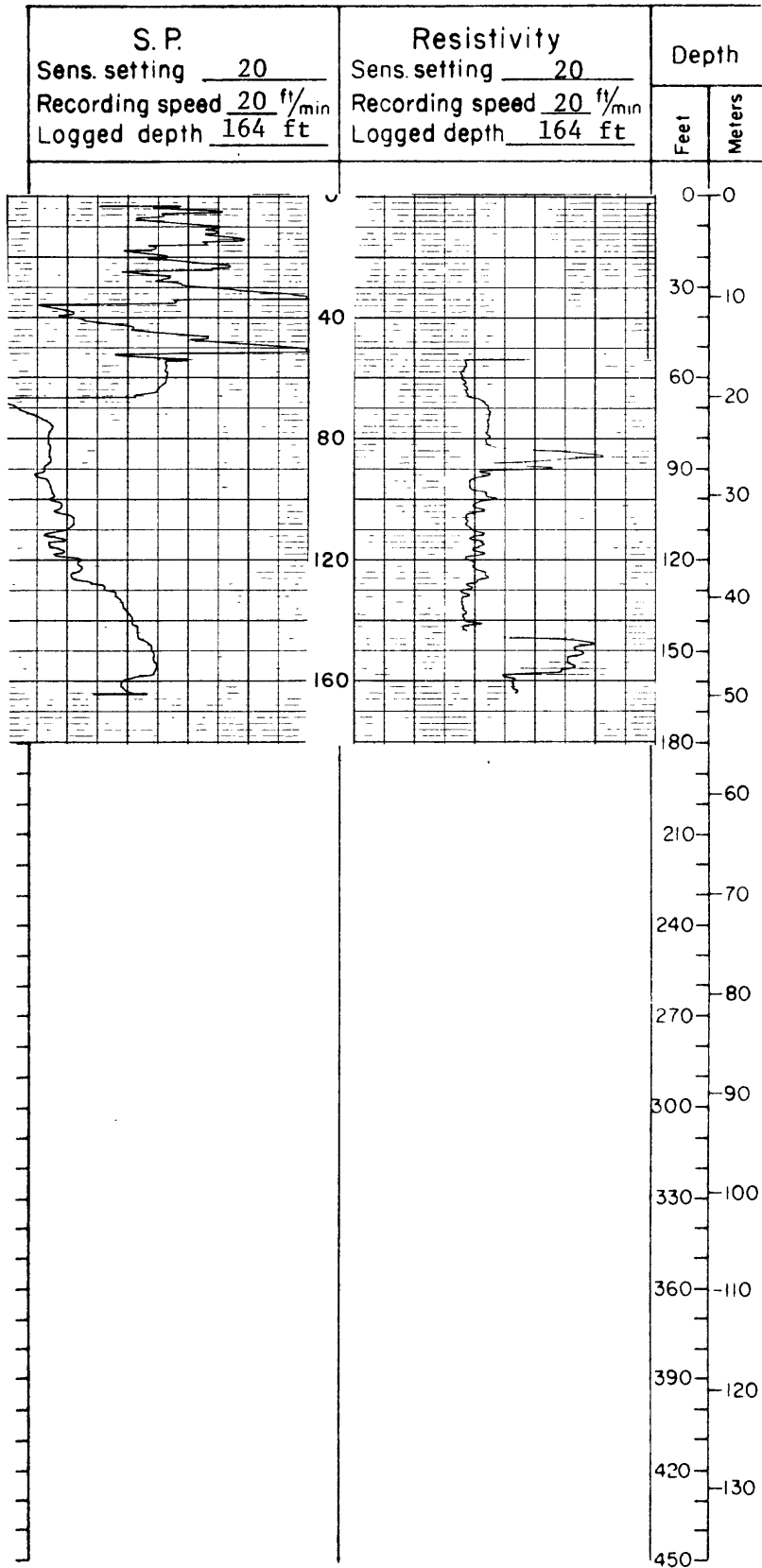
Remarks: _____

Recorded by: _____ Geologist ^{Yes} ~~No~~ Recorded by: _____



Hole number (continued)

US - 7793



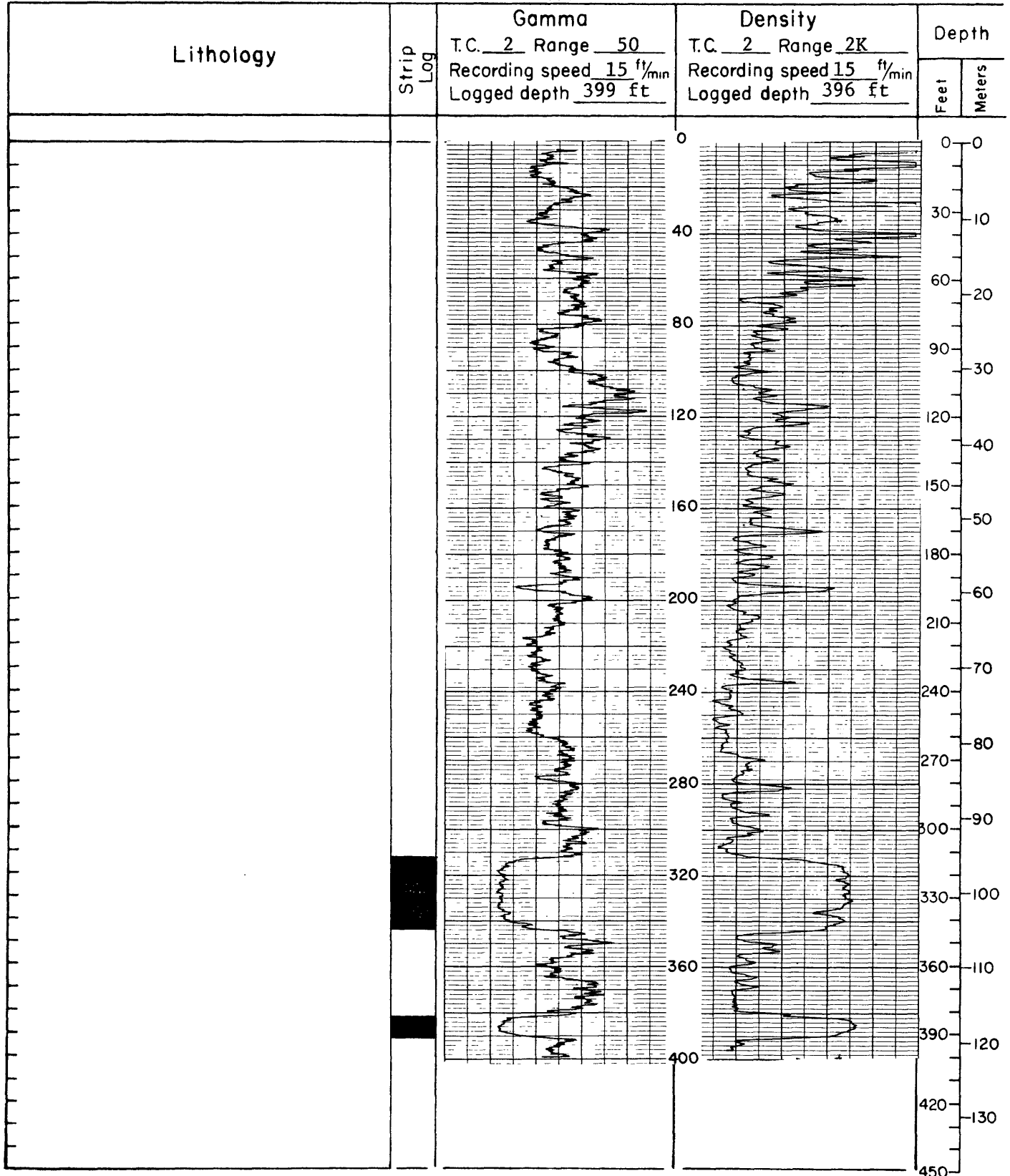
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Montana College of Mineral Science and Technology

Hole no: US-7794 Map: Forks Ranch Date: 8/11/77 State: Montana County: Big Horn
 Elev.: 3912 ft Location: T. 8 S, R. 43 E, Sec. 35, Tract AACB Drilled depth: 400 ft
 Measured: 800 ft ^{FNL}~~FSL~~, 1200 ft ^{FEL}~~FSL~~ Hole size: 4 3/4 in Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

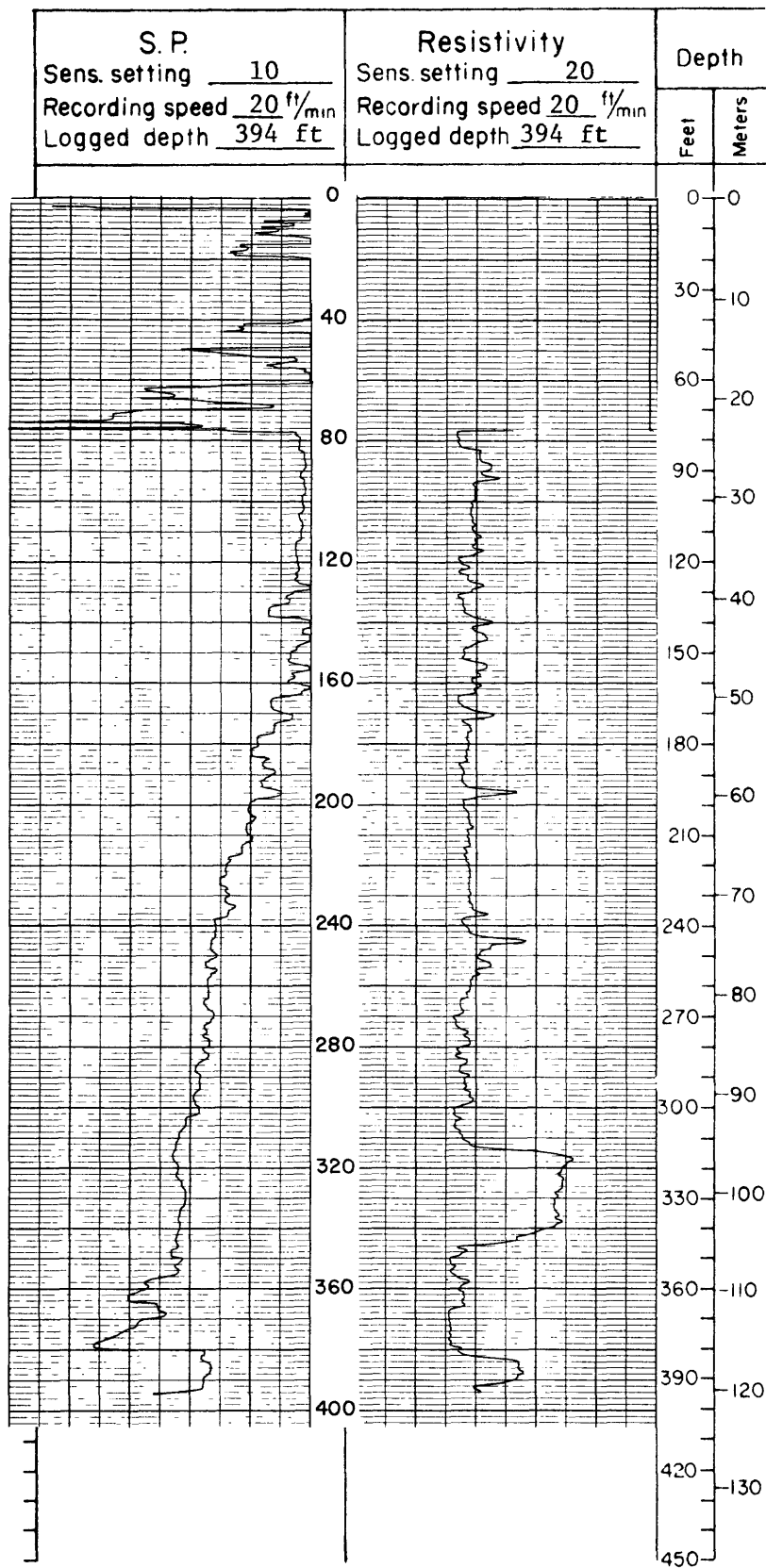
Recorded by: J. PINCHOCK

Geologist ^{Yes}~~No~~ Recorded by: J. JENSEN



Hole number (continued)

US-7794



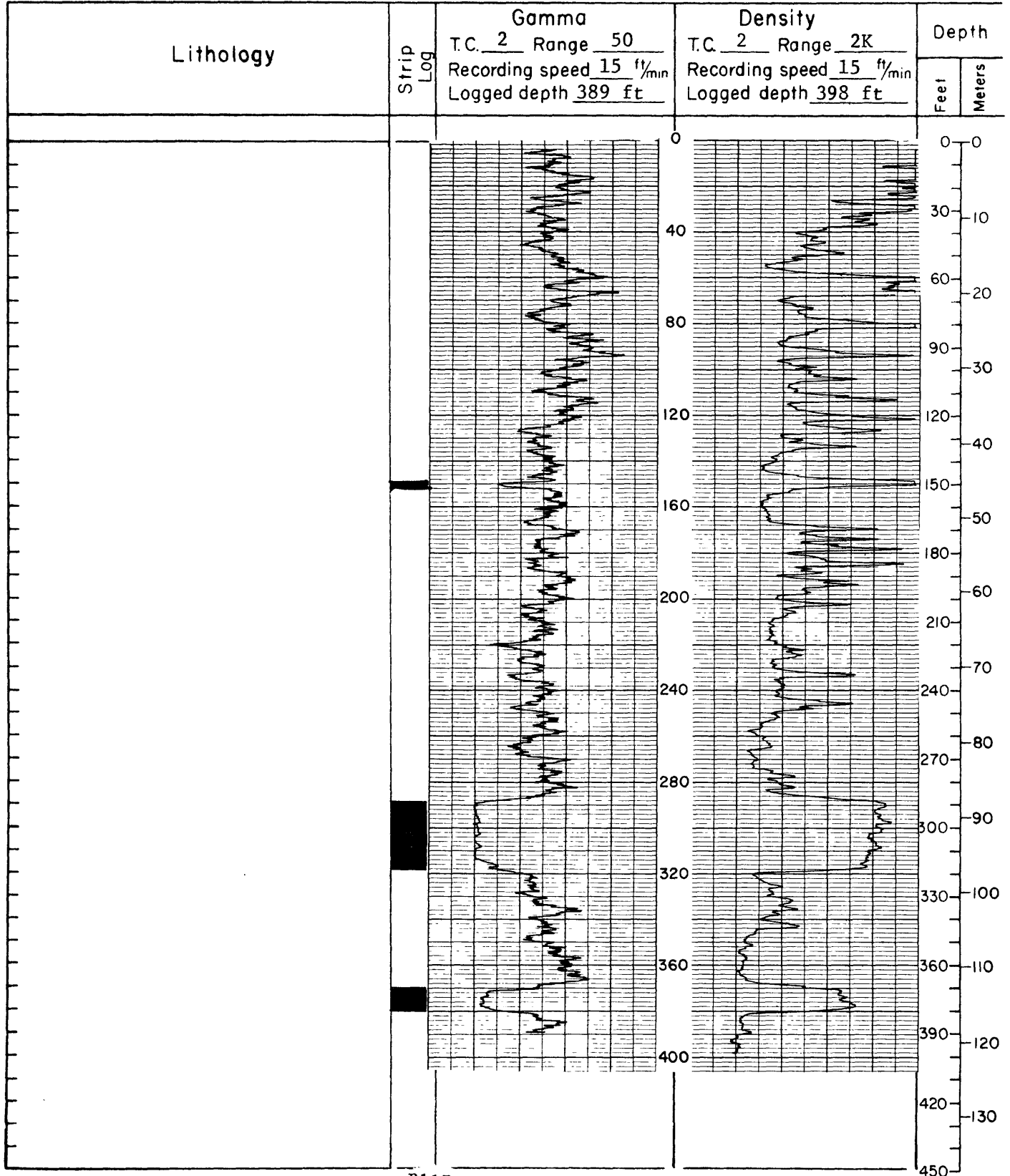
MONTANA BUREAU OF MINES AND GEOLOGY
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Hole no: US-7795 Map: Forks Ranch Date 8/11/77 State: Montana County: Big Horn
 Elev.: 3842 ft Location: T. 8 S., R. 44 E., Sec. 31, Tract BCAB Drilled depth: 400 ft
 Measured: 1425 ft FNL 890 ft FWL Hole size: 4 3/4 in Air ☒ Water ☐ Cored: Yes ☐ No ☒

Remarks: _____

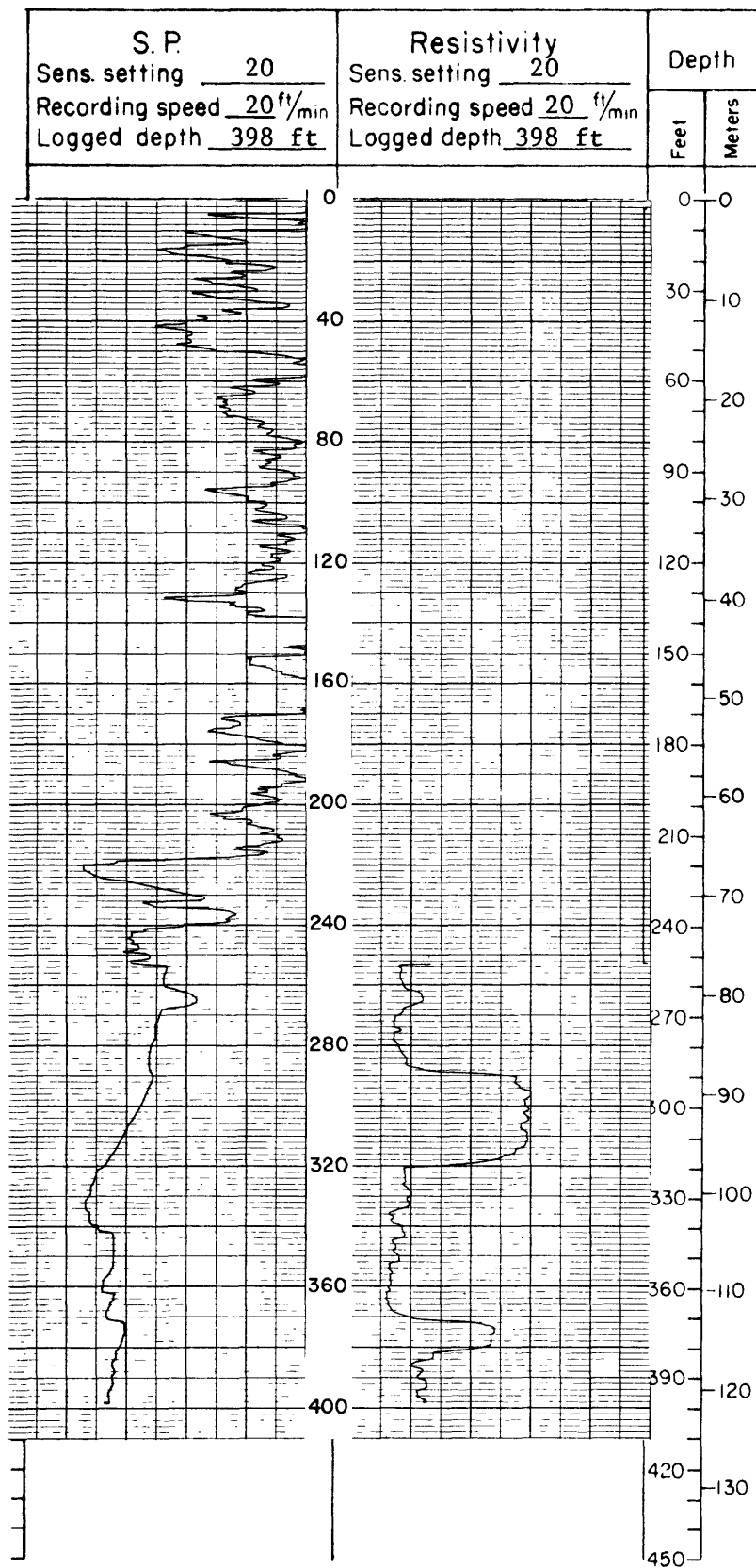
Recorded by: J. PINCHOCK

Geologist ^{Yes}_{No} Recorded by: J. JENSEN



Hole number (continued)

US-7795



B118

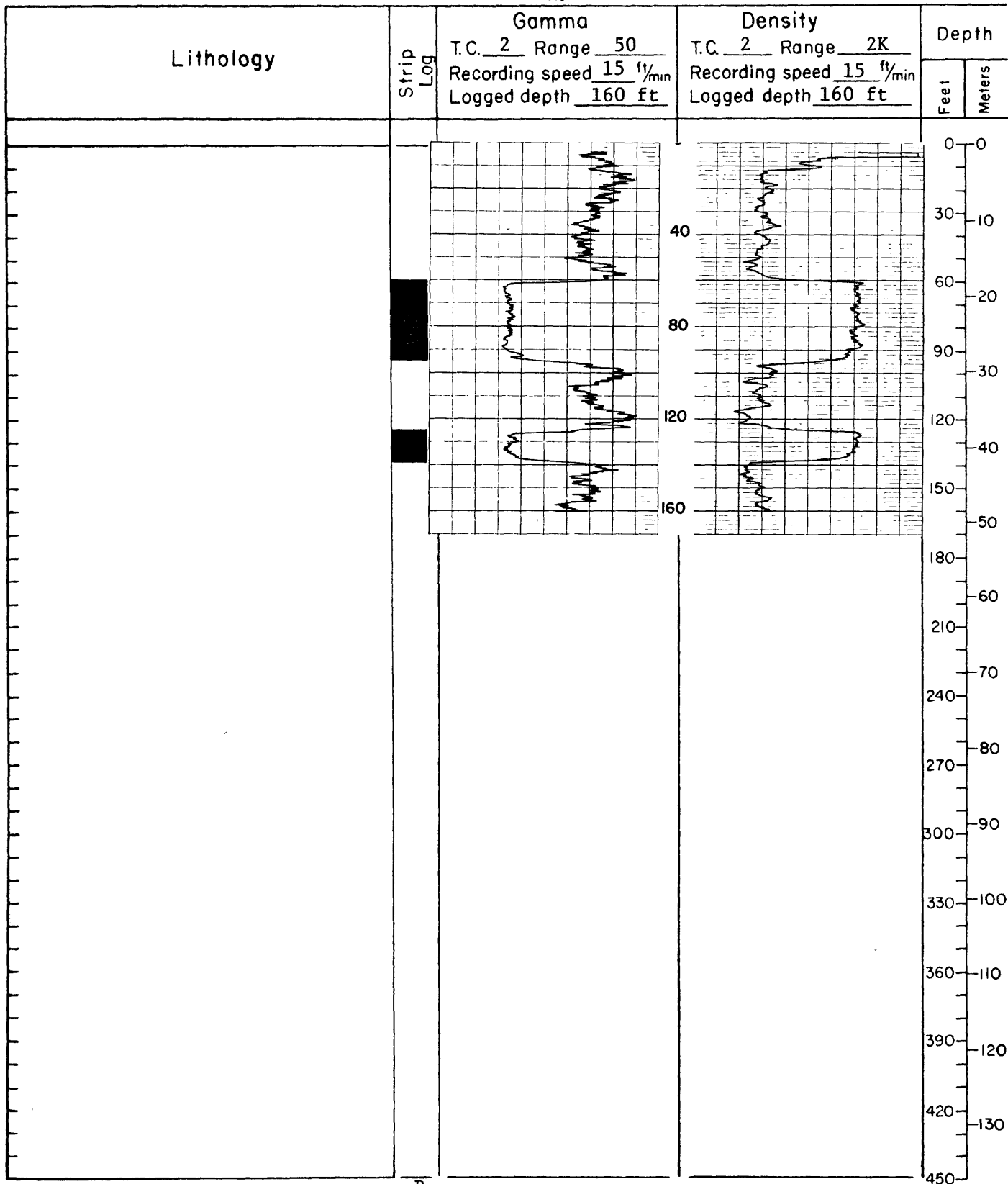
MONTANA BUREAU OF MINES AND GEOLOGY
Montana College of Mineral Science and Technology

Hole no: US-7796 Map: Stroud Creek Date: 8/13/77 State: Montana County: Big Horn
 Elev.: 3730 ft Location: T. 8 ^N_S, R. 43 ^E_W, Sec. 15, Tract DBBD Drilled depth: 160 ft
 Measured: 2100 ft ^{FSL}_{FSL}, 2225 ft ^{FEL}_{FEL} Hole size: 4 3/4 in. Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

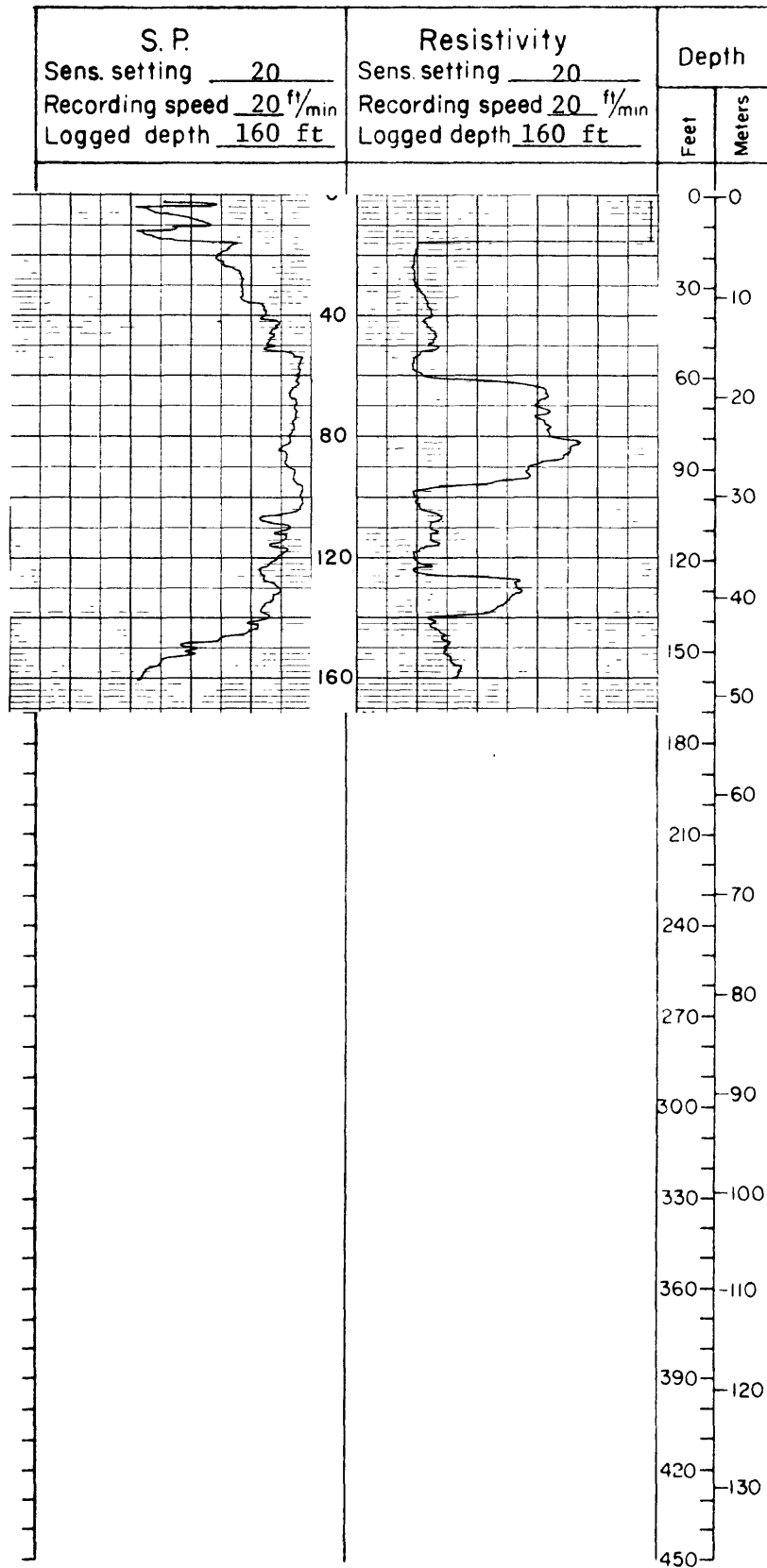
Recorded by: J. PINCHOCK

Geologist ^{Yes}_{No} Recorded by: J. JENSEN



Hole number (continued)

US-7796



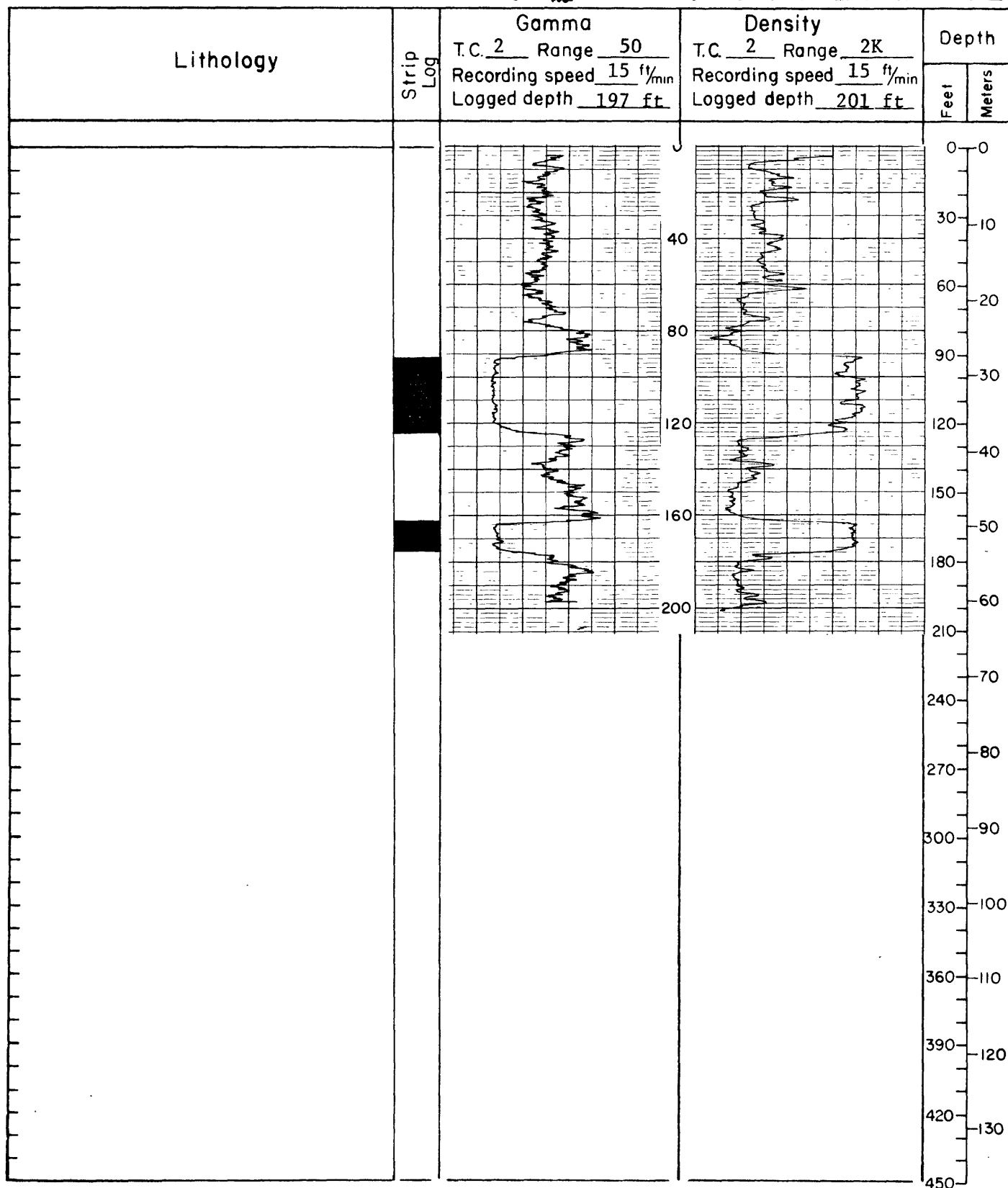
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Montana College of Mineral Science and Technology

Hole no: US-7797 Map: Stroud Creek Date: 8/13/77 State: Montana County: Big Horn
 Elev: 3738 ft Location: T. 8 ^N_S, R. 43 ^E_W, Sec. 23, Tract AAAB Drilled depth: 201 ft
 Measured: 20 ft ^{FNL}_{SL} 500 ft ^{FEL}_{FW} Hole size: 4 3/4 in Air ☐ Water ☒ Cored: Yes ☐ No ☒

Remarks: _____

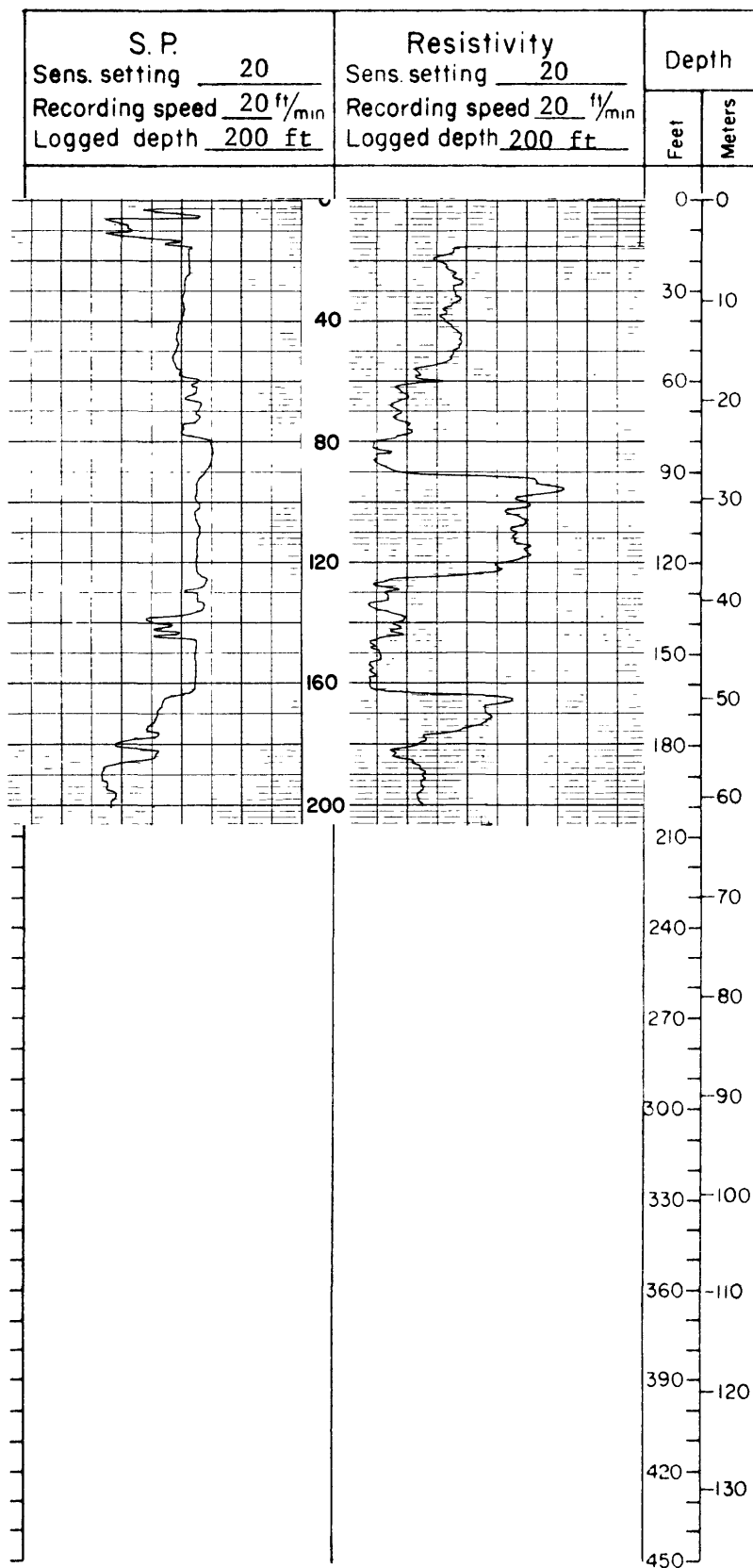
Recorded by: J. PINCHOCK

Geologist ^{Yes}_{No} Recorded by: J. JENSEN



Hole number (continued)

US-7797



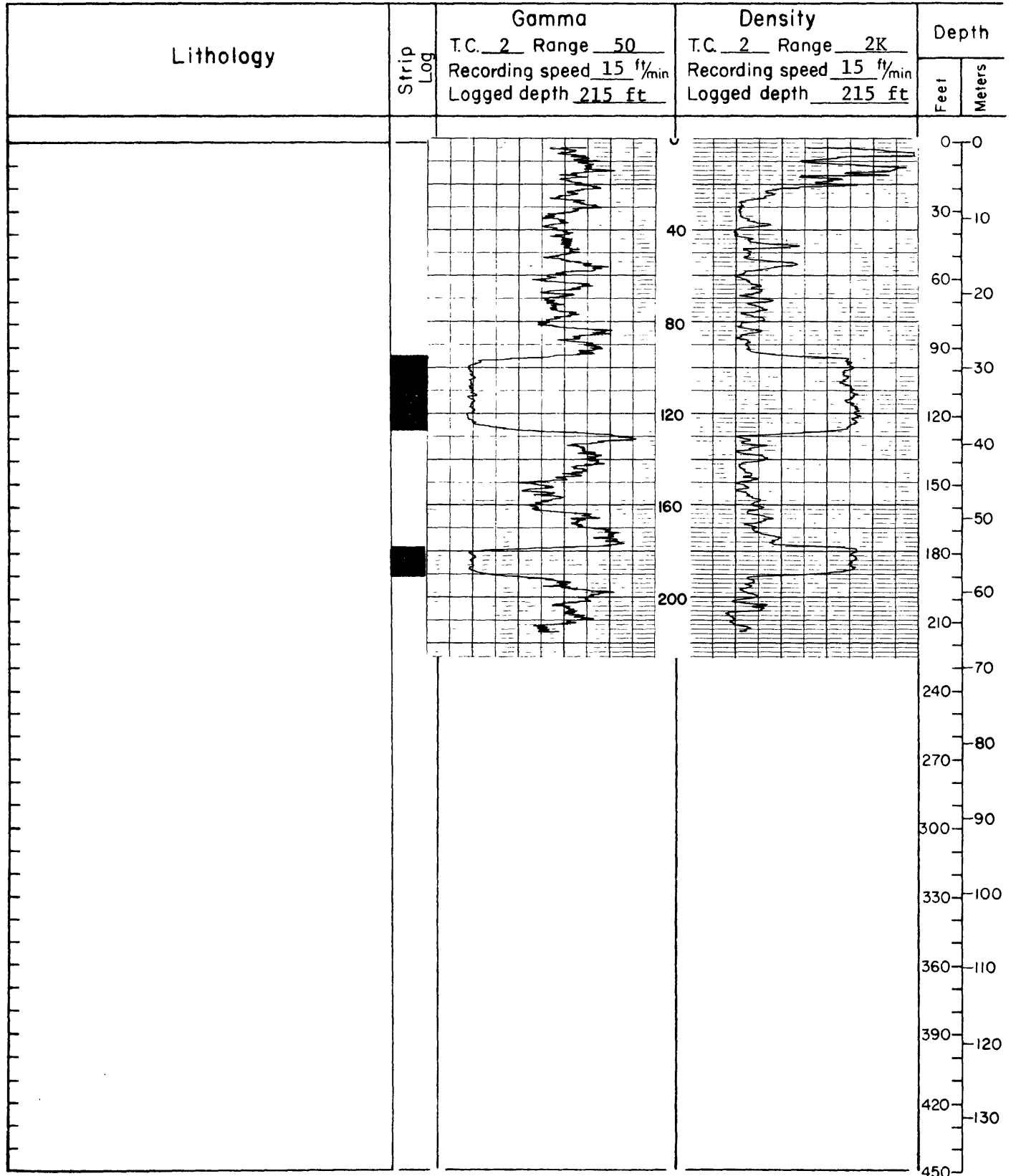
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Montana College of Mineral Science and Technology

Hole no: US-7798 Map: Stroud Creek Date: 8/13/77 State: Montana County: Big Horn
 Elev.: 3728 ft Location: T. 8 S., R. 43 E., Sec. 24, Tract ACCD Drilled depth: 215 ft
 Measured: 2400 ft ^{FNL} 551, 2300 ft ^{FEL} 551 Hole size: 4 3/4 in Air ☐ Water ☒ Cored: Yes ☒ No ☐

Remarks: _____

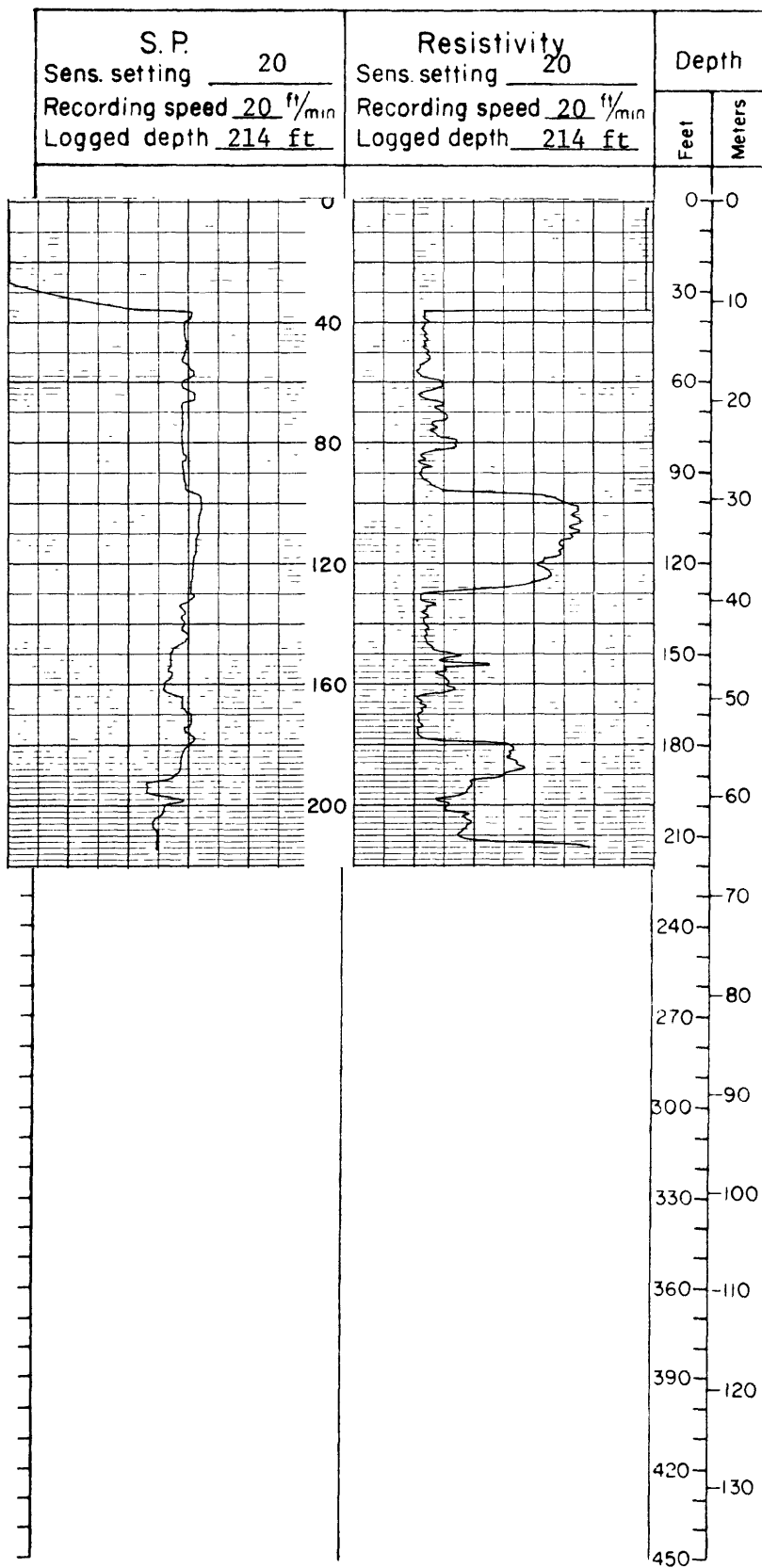
Recorded by: E. WOODS

Geologist ^{Yes} ~~NO~~ Recorded by: J. JENSEN



Hole number (continued)

US - 7798



References

- Kistner, F. B., 1977, Preliminary report of coal drill-hole data in the southern Powder River Basin, Converse County, Wyoming: U.S. Geol. Survey Open-File Report 77-774, 25 p., 1 fig.
- U. S. Geological Survey and Montana Bureau of Mines and Geology, 1973, Preliminary report of coal drill-hole data and chemical analyses of coal beds in Sheridan and Campbell Counties, Wyoming; and Big Horn County, Montana: U.S. Geol. Survey open-file report, 57 p.
- _____ 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.
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- _____ 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.
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