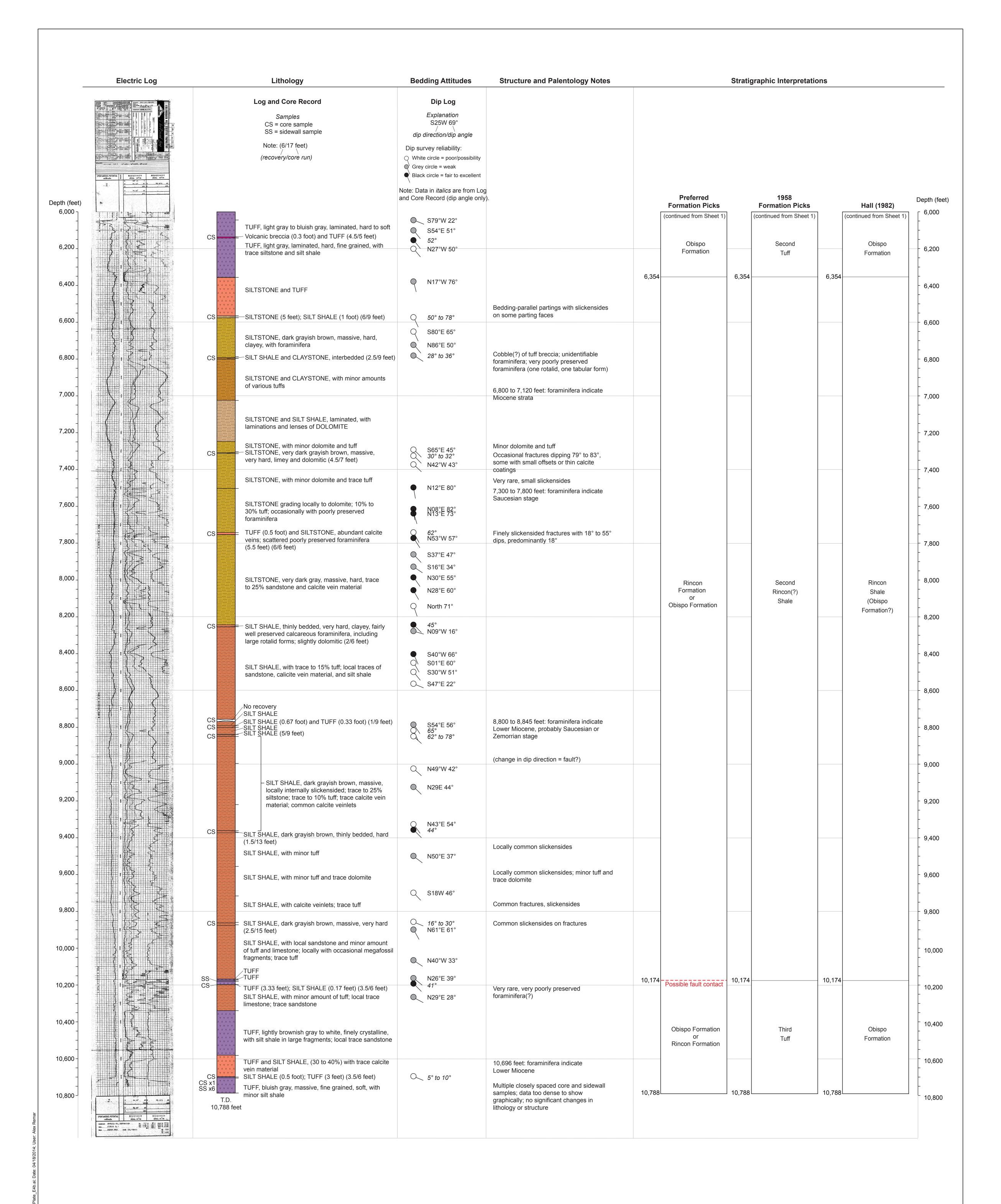


	Electric Log STORY AND LINE CONTROL AND	Lithology Log and Core Record Samples CS = core sample SS = sidewall sample Note: (6/17 feet) (recovery/core run)	Dip Log Explanation S25W 69° dip direction/dip angle Dip survey reliability: White circle = poor/possibility Gray circle = weak Black circle = fair to excellent	Structure and Palentology Notes		Stratigraphic Interpret	lations		
(feet)	0 69,44 40		Note: Data in <i>italics</i> are from Log and Core Record (dip angle only).		Preferred Formation Picks	1958 s Formation Picks	3	Hall (1982)	Depth (fe
		SILT SHALE, with minor dolomite, limestone and chert	and core recedit (dip aligie offly).	20 to 560 feet porcelaneous shale, rare forams, Mohnian stage			100-	Pismo Formation Miguelito Member	- 20
) -		SILT SHALE, clay shale, and limestone, with minor dolomite and chert		600 to 4,720 feet tan to gray-brown siliceous and limey shale, no	Pismo Formation Miguelito Membe possibly				40
) -		LIMESTONE and SILT SHALE, with minor dolomite, clay shale, and chert SILT SHALE, thinly bedded and DOLOMITE, massive, with minor chert		identifiable forams	containing contact with Monterey Formation				- - 60 -
) -		SILT SHALE, gray and brown interbedded with 10% to 35% dolomite; minor amounts of chert, bentonite, sandstone, and clay shale							8
) - - - - -) -		SILT SHALE, with 10% to 40% DOLOMITE and 5% to 35% chert	S25W 69° S17W 67°		1,037	1,037			- 1 - - - 1
- -) - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	– SILT SHALE and DOLOMITE, interbedded, with minor siltstone and local trace chert and quartz vein material							- - - 1 -
		CS DOLOMITE and SILT SHALE, interbanded (0.5/15 feet) DOLOMITE and SILT SHALE, interbanded (0.17/16 feet) SILT SHALE, with minor siltstone and chert							
		SILT SHALE and DOLOMITE, interbedded, with up to 25% clay; minor siltstone, traces of chert, calcite, quartz vein material, and bentonite (below 1,880 feet) CLAY SHALE and silt shale, clay shale,	6 S16°W 75°	Scattered clickopoides dimin OF?					
- - -) -		and dolomite, interbedded (9/16 foot) SILT SHALE with DOLOMITE, interbedded with traces siltstone and chert; frequent bentonite inclusions	S18°W 72°	Scattered slickensides dipping 35°; contorted silt shale laminations dipping 80° to 85°				Monterey Formation	- - - -
) =		SILT SHALE and DOLOMITE, interbedded and locally intergrading, chert lenses, trace to 30% clay shale; small amounts of calcite, quartz vein material				Lower Monterey Shale			-
)		SILT SHALE (70%) and DOLOMITE (30%), interbedded with chert lenses (3/17 feet) SILT SHALE with DOLOMITE, interbedded	67° to 70° South 67°		Monterey Formation				-
- - -) -		SILT SHALE grades locally to CLAY SHALE; local traces of chert, bentonite, and calcite vein material SILT SHALE with 10% to 25% interbedded dolomite;							- - - -
-		local traces of chert, bentonite, and calcite vein material SILT SHALE (70%) and DOLOMITE (30%), interbedded (7/9 feet)	© S05°E 36°	Contorted beds with poor dips 56° to 90°, dominantly 80°; small fault zones to 1 inch filled with calcite-cemented angular fragments; occasional poorly formed slickensides "probably roughly parallel to dip"					-
- -) -		SILT SHALE and DOLOMITE, interbedded, local traces of chert, calcite vein material, bentonite, and pyrite		Fractures dipping 10° to 90°, commonly					-
- - -		CS SILT SHALE and DOLOMITE, interlaminated (8/8 feet) SILT SHALE and DOLOMITE, interlaminated, locally	© 85° to 90° © \$18°W 66° © \$56°E 73°	filled with gouge, bentonite, or calcite, brecciated, slickensided; scattered pyrite inclusions					-
		small amount of clay shale; local traces of chert, calcite vein material, bentonite, and pyrite	S04°E 55° N47°W 61°						-
		CS DOLOMITE and SILT SHALE, finely interlaminated, locally fractured and brecciated, recemented with calcite; occasional slickensides (4/5 feet) SILT SHALE and DOLOMITE, interbedded, with local	70° S82°W 37°						-
		traces of chert, calcite vein material, and bentonite SILT SHALE, 5% to 25% bentonite; minor amount dolomite; traces of calcite vein material and sandstone DOLOMITE and SILTSTONE, interbedded, siltstone			4,363 Obispo		4,364		-
-		grades to silt shale, minor bentonite, and sandstone CS DOLOMITE with occasional laminae of silt shale DOLOMITE with minor silt shale, trace bentonite DOLOMITE and SILT SHALE, minor siltstone, clay shale, and bentonite	Q 67°■ S35°W 47°	Dips 70° to 80° filled with dolomite 40° parting planes. Common small slickensides	Formation Fine-Grained (Tmof)	Point Sal Formation 4,722	——————————————————————————————————————	Point Sal Formation	- - -
		CS TUFF, bluish gray, soft to moderately hard, massive (11/11 feet) TUFF, bluish gray to greenish, locally vitric, locally crystalline,		Partings-suggest-very-poor-43° to 45° dips					-
- - - -		varying amounts of bentonite and small amount of sandstone TUFF with OBSIDIAN	57° (direction illegible)	Calcite vein suggests questionable 60° dip	Obispo Formation Tuff and Resistan member (Tmor)	Obispo Tuff		Obispo Formation	-
-		TUFF, agglomeratic (11/12 feet) SILTSTONE (7/8 feet) (6/6 feet) SILTSTONE, grayish brown, massive,	S14°W 71° 45° to 52° N65°E 43°	Possible fault at 5,400 feet based on bedding attitude change, contorted beds, slickensides, and partings Foraminifera indicate Zemorrian stage.	5,370 Fault? Rincon Formation	Rincon	5,370	Rincon	
- - -		soft to moderately hard, clayey, micaceous, with foraminifera and gas	N17°W 70° N78°E 25°	Moderate to prominent fractures and slickensides	5,546 Obispo Formation Probable fault cont	act 3,340	5,546	Shale	-
) -		TUFF, bluish gray and greenish gray, massive, firm to soft, lithic and crystalline, with moderate amount of siltstone decreasing to trace below 5,860 feet; local traces bentonite and obsidian	ON63°E 51°		Obispo Formation	Second Tuff		Obispo Tuff	-
- PI 0790	000477	(continued on Plate E4b)	ON44°E 29°		(continues on Plate E	(continues on Plate E4	b)	(continues on Plate E4b) <u> </u>
drilled:		Total depth: 10,788 feet				Log of		TE E4a ulu-Tidewater	1 Well



API 07900477

Year drilled: 1958

Total depth: 10,788 feet

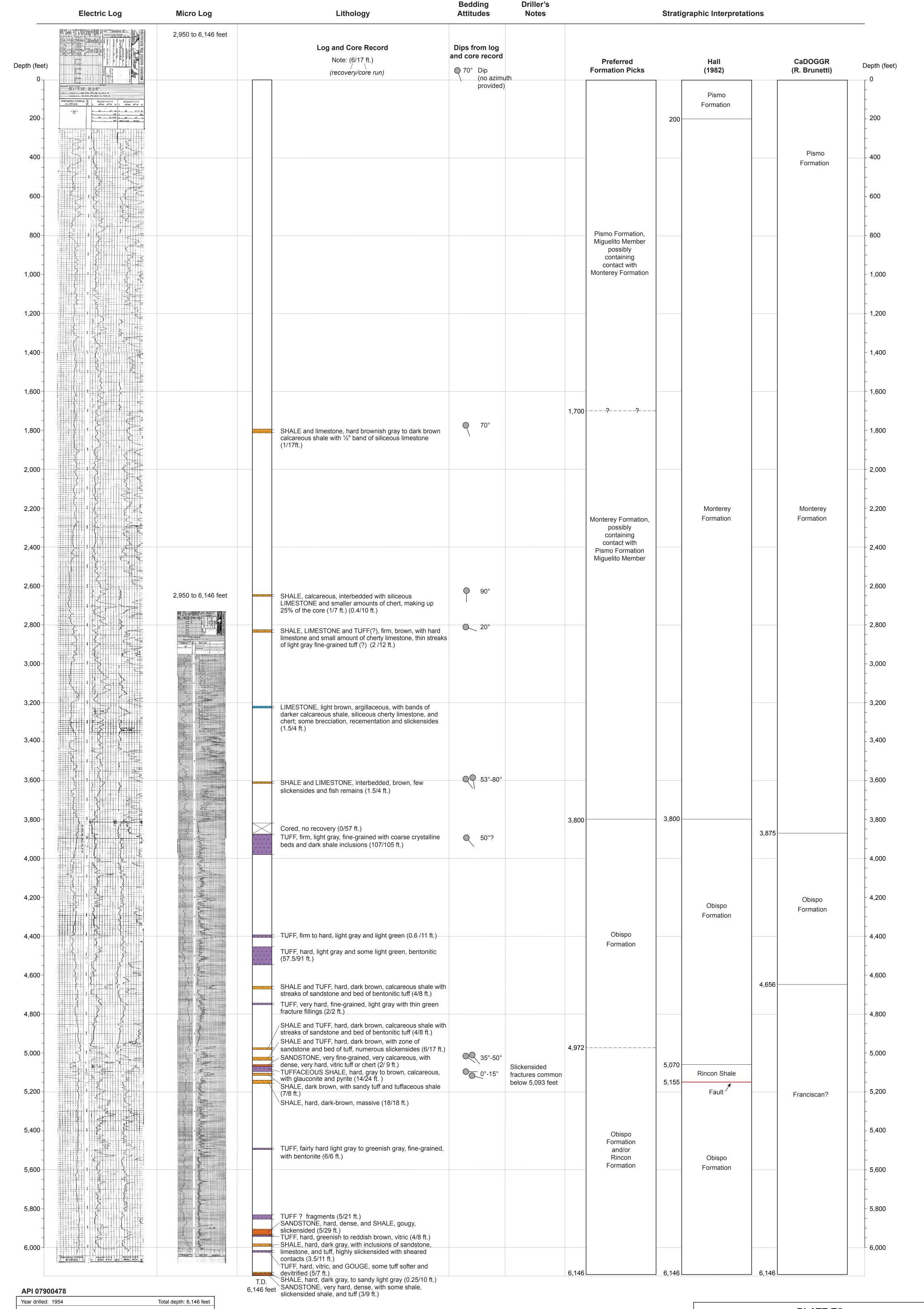
Elevation, top of well: Approximately 1,642 feet

Location (NAD 83, State Plane Zone V, feet): 5732018 E 2282071 N

Owner: Honolulu Oil Corporation, purchased by Chevron Texaco Exploration and Production Co.

PLATE E4b Log of the Honolulu-Tidewater 1 Well

Pacific Gas and Electric Company



Elevation, top of well: Approximately 381 feet

Location (NAD 83, State Plane Zone V, feet): 5700463 E 2293800 N

Owner: TideWater Associated Oil Company, purchased by Chevron Texaco Exploration and Production Co.

PLATE E5 **Log of the Montadoro 1 Well** DCPP GEOLOGIC Pacific Gas and Electric Company **MAPPING PROJECT**

Ch9.GEO.DCPP.TR.14.01 R0 App E