

LITHOLOGIC DESCRIPTION OF SAMPLES SUBMITTED FOR ASSAY<sup>1/</sup>

Core samples from S & P Corporation Corehole AC-4 drilled in 1965  
in NW1/4NE1/4 sec 8 (1045 ft W/E line and 285 ft S/N line),  
T 11 S, R 12 E, Duchesne County, Utah

Surface elevation: 7210 feet  
Sampled section: 258.5 to 474.0 feet

From	To	Description
50	258.5	Not sampled.
258.5	260.0	Siltstone and sandstone: light gray to light olive gray. Laminated to banded. Sandstone layer from 259.0 feet.
260.0	260.5	Siltstone: light to medium brownish gray with some dark brownish gray. Some laminations, commonly banded. Common looped structures in dark brownish gray zones.
260.5	261.2	Siltstone: light brownish gray with some medium brownish gray. Banded.
261.2	261.7	Siltstone: light gray to grayish white. Massive. Common fossil fragments throughout.
261.7	262.5	Siltstone and claystone: very light buff to light olive gray. Banded.
262.5	308.4	Not sampled.
308.4	309.4	Claystone and siltstone: light to medium gray and gray white. Laminated to banded. Coquina layer from 308.9 to 309.2.
309.4	310.7	Siltstone: medium gray with some light gray and rare medium grayish brown. Laminated.
310.7	311.7	Siltstone: medium gray to light olive gray. Laminated to banded. Coquina layer to 310.9.
311.7	312.3	Siltstone: light to medium gray with rare dark brownish gray. Laminated.
312.3	313.7	Claystone: medium gray to medium grayish brown. Laminated to banded.
313.7	314.3	Claystone: light olive gray to very light buff. Banded.
314.3	321.0	Not sampled.
321.0	321.3	Claystone: medium olive gray. Massive.
321.3	321.6	Claystone: medium brownish gray with rare medium olive gray. Banded.
321.6	322.3	Claystone: light brownish gray. Massive.
322.3	323.5	Siltstone: light brownish gray with rare medium brownish gray. Banded to massive.
323.5	328.6	Not sampled.
328.6	329.2	Claystone: light olive gray to medium olive gray. Laminated.
329.2	329.7	Claystone: light brownish gray with rare medium brownish gray. Banded. Rare bitumen coated fractures.
329.7	451.7	Not sampled.

<sup>1/</sup> By W. T. Hill, Jr.

Illustration No. SBR-3990P (Sheet 1 of 2)

Laramie Petroleum Research Center, Laramie, Wyoming

August 18, 1966

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Core samples from S & P Corporation Corehole AC-4--Continued

From	To	Description
451.7	452.7	Siltstone: light to medium olive gray with some medium brownish gray. Laminated.
452.7	453.2	Claystone: medium olive gray and light to medium brownish gray. Laminated.
453.2	453.6	Claystone: medium olive gray with some medium brownish gray.
453.6	454.6	Siltstone: very light buff to light olive gray with rare light brownish gray. Banded.
454.6	466.0	Not sampled.
466.0	467.4	Sandstone: grayish white with rare light olive gray. Banded to massive.
467.4	468.7	Mudstone: medium gray to medium olive gray with some light to medium brownish gray. Laminated and mottled.
468.7	469.2	Claystone: medium gray with rare medium olive gray. Laminated.
469.2	469.6	Siltstone: light brownish gray and medium gray. Laminated.
469.6	471.4	Claystone and siltstone: light to medium gray and olive gray with some light to medium grayish brown. Laminated to banded.
471.4	472.0	Claystone: medium gray with some light olive gray and medium grayish brown. Laminated.
472.0	473.0	Claystone: light to dark brownish gray with rare medium gray. Laminated. Some gray blue fracture fillings throughout.
473.0	474.0	Sandstone: light brownish gray and light to medium olive gray and grayish white. Mottled and laminated.
474.0	492.0	Not sampled. Bottom of core.

Illustration No. SBR-3990P (Sheet 2 of 2)

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