

LITHOLOGIC DESCRIPTION OF SAMPLES SUBMITTED FOR ASSAY^{1/}

Core samples from S & P Corporation Corehole AC-1 drilled in 1965 in
NE1/4NW1/4 sec 10 (645 ft S/N line and 820 ft E/W line),
T 11 S, R 12 E, Duchesne County, Utah

Surface elevation: 7060 feet

Sampled section: 236.0-304.3 feet

From	To	Description
23.0	236.0	Marlstone, mudstone, siltstone, some granular to pebbly conglomerate and some bitumen impregnated sand and siltstones: pale buff with some light to medium gray and olive gray with some light brownish gray. Laminated to massive.
236.0	237.8	Mudstone: light gray to medium olive gray. Massive with some banding. Fine grained sand layer at 236.6 feet.
237.8	239.4	Mudstone: medium to dark brownish gray with some medium gray. Laminated to banded. Gray blue fracture filling from 238.0-238.9 feet.
239.4	241.5	Mudstone: light to medium brownish gray with common medium gray. Laminated to banded. Section of bitumen impregnated mudstone from 241.1 feet.
241.5	243.2	Mudstone: light to medium gray with some light brownish gray. Massive.
243.2	245.8	Mudstone and siltstone: light to medium gray and olive gray. Massive.
245.8	246.0	Missing.
246.0	248.5	Mudstone and some siltstone: light to medium brownish gray with some medium olive gray. Banded to massive.
248.5	252.4	Siltstone: medium olive gray with some light olive gray. Massive.
252.4	254.9	Mudstone: light olive gray to medium grayish brown. Massive.
254.9	258.2	Mudstone: light brownish gray to light and medium olive gray. Laminated to massive. Pebbly conglomerate to 260.1.
258.2	260.8	Sandstone: grayish white. Laminated to massive. Layer of medium gray mudstone at 260.1 feet.
260.8	263.5	Marlstone: medium to dark brownish gray with some light brownish gray. Laminated to banded. Light brownish gray fracture filling at 261.9 feet.
263.5	265.0	Marlstone: light to medium brownish gray. Laminated to massive. Rare stringers of pyrite.
265.0	266.0	Missing.
266.0	268.9	Siltstone: light to medium gray with common medium olive gray. Massive.
268.9	270.1	Siltstone: medium olive gray with common medium brownish gray. Massive.

^{1/} By W. T. Hill, Jr.

Illustration No. SBR-3983P (Sheet 1 of 2)

Laramie Petroleum Research Center, Laramie, Wyoming

August 10, 1966

LITHOLOGIC DESCRIPTION OF SAMPLES SUBMITTED FOR ASSAY^{1/}

Core samples from S & P Corporation Corehole AC-1--Continued

From	To	Description
270.1	271.3	Marlstone: light to dark brownish gray. Laminated to banded. Broken from 270.9 feet.
271.3	274.0	Marlstone: light brownish gray with common light gray. Massive with some banding.
274.0	276.3	Mudstone: light brownish gray and light olive gray with rare medium brownish gray. Massive with common breaking and fracture filling throughout.
276.3	277.0	Missing.
277.0	278.6	Mudstone: grayish white to medium olive gray. Massive with common breaking and fracture filling. Limestone layer at 278.4 feet.
278.6	282.5	Sandstone and mudstone: light brownish gray to medium olive gray. Massive with common fracture filling.
282.5	284.5	Siltstone: light to medium olive gray with some light brownish gray. Common breaking and fracture filling.
284.5	286.4	Siltstone and mudstone: medium olive gray with some medium to dark brownish gray and some grayish black. Massive with some banding.
286.4	287.0	Missing.
287.0	288.7	Mudstone: medium olive gray to dark brownish gray. Laminated to banded.
288.7	290.3	Mudstone: medium olive gray to dark brownish gray. Banded to massive.
290.3	291.5	Mudstone: medium olive gray to medium gray. Massive.
291.5	294.1	Mudstone: medium brownish gray to pale buff. Massive. Pebbly conglomerate to 291.8 feet.
294.1	296.6	Mudstone: light to medium gray with rare medium brownish gray. Massive with some laminations. Siltstone layer from 295.5 feet.
296.6	297.0	Missing.
297.0	299.2	Mudstone: medium to dark brownish gray. Laminated to banded.
299.2	302.3	Marlstone: pale buff with some medium gray and medium brownish gray. Massive. Pebbly conglomerate to 299.5 feet.
302.3	304.3	Siltstone: pale buff with some medium gray and light to medium brownish gray. Variegated.
304.3	407.0	Marlstone, mudstone, siltstone and some bitumen impregnated sand and siltstones: pale buff with common medium gray and olive gray and some light brownish gray. Laminated to massive.
Bottom of core.		

Illustration No. SBR-3983P (Sheet 2 of 2)