

QUALITATIVE OIL YIELDS BY TEST TUBE METHOD

Drill-cutting samples from William G. Helis Estate East Piedmont 19-1 well drilled in SW1/4SW1/4 (660 ft N/S and 1,980 ft E/W) of sec 19, T 13 N, R 117 W, Uinta County, Wyoming

Kelly bushing elevation 8,075 feet.

All samples were for 10-foot intervals.

Depth, ft	Test result <sup>1/</sup>	Depth, ft	Test result <sup>1/</sup>
100- 160	no oil	690- 700	b
170- 180	no oil	700- 750	no oil
180- 190	trace	750- 850	oil-stained samples
190- 200	c	850-1,080	lost circulation
200- 210	trace		material
210- 430	lost circulation	1,080-1,090	trace
	material	1,090-1,100	b
430- 540	no oil	1,100-1,110	no oil
550- 560	no oil	1,110-1,120	lost circulation
600- 640	trace		material
640- 650	tar-stained sample	1,120-1,200	no oil
650- 690	lost circulation	1,270-1,540	no oil
	material		

<sup>1/</sup> b-less than 1.0 gallon of oil per ton of shale; c-more than 1.0 but less than 3.0 gallons per ton.

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