Lincoln Mineral Co. No. 4 Well

Washington District, Lincoln County, W. Va.

By Harvard Gas Company, Charleston, W. Va.

Located 3.87 Mi. W. of 80° 45' and 2.19 Mi. S. of 38° 15'

Medison Quadrangle - EE

Elevation 744' L

Permit - Lin-157

Drilling completed July 7, 1986

Shot at \$465-3665 with 1320 pounds of gelatin and at 4440-4452 with 30 qts; No results Show of oil in Corniferous Lime at 4378°

Dry hole in Oriskany

Coal encountered at 31-36' and 500-508'

TOP	BOTTOM	Thi Crness	
4330	4340	10	SHALE, black, highly carbonaceous, slightly pyritic; small
4340	4350	10	amount is calcareous. HUNTERSVILLE CHERT, 95 FEET LIMESTONE, brownish-black, very shaly, slightly pyritic.
4350	4354	4	LIMESTONE, brownish-gray to brownish-black, very shaly,
			somewhat cherty.
4354	4362	8	CHERT, light- to medium-gray, some white, calcareous to a chert
			limestone, brownish-gray (shaly), some brownish-black
			(very shely).
4362	4369	7	CHERT, white to medium-gray, some brownish-gray (calcareous) to
			limestone, light brownish gray to brownish-gray, some
			brownish-black (shaly).
4369	4373	4	No sample
4373	4388	15	LIMESTONE, brownish-gray to brownish-black, some light brownish
			gray, shaly, somewhat dolomitic, very cherty to
			calcareous chert, white to medium-gray; some brownish-
			black to grayish-black, calcareous, silicified shale
			in the lower part.
4388	4598	5	SILTSTONE (at top), light-gray to brownish-gray, calcareous,
			dolomitic, very cherty to a calcareous, dolomitic
			chert, white to light brownish gray.
4393	4401	8	CHERT, very light gray to light brownish gray, calcareous,
			dolomitic (high in magnesian content ? - effervesces very
			slowly in cold dilute HCL).

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4401	4407	6	LIMESTONE, light-gray to brownish-gray, highly dolomitic (high
			magnesian content 1), very cherty; trace of gleuconite.
4407	4415	8	CHERT, light-gray to brownish-gray, highly calcareous, somewhat
			dolomitic, sandy in the lower part; trace of glauconite.
4415	4418	3	CHERT, light-gray to light brownish gray, moderately calcareous,
			alightly dolomitie.
4418	4422	4	SANDSTORE, light-gray, very fine to fine-grained, subrounded to
			rounded, calcareous, slightly glauconitic.
4422	4433	11	SILTS WEE to sandstone (very fine), light-gray, highly calcareous,
			cherty, very cherty in part; contains some glameonite.
			ORIEKANY SANDSTONE, 16 PENT
4433	4439	6	SANDSTONE, light-gray, very fine to fine-grained, contains a few
			medium, rounded grains, most of the grains are clear and
			glassy, highly calcareous, very highly calcareous in
			the lower part.
4439	4440	1	RANDSTORE, very light to light-gray, fine-grained, some medium
			(rounded) and some weby fine grains, highly calcareous.
4440	4448	3	EAEDETONE, light-gray, very fine to fine-grained, very highly
			Galcarsous and some sandy limestone.
			HELDER PERG FORMATION, 82 PERT
4443	4447	4	LIMESTORE, very light to medium-gray, very silty and sandy (fine).
4447	4449	2	LIMESTARE to sandstone (fine to very fine), medium light gray.
4449	4451	2	SANDSTONE (very fine, silty) to chert, very light to light-gray,
			highly calcareous.
4451	4452	1	CHERT, very light gray, somewhat calcareous.
4452	4454	2	CHERT to miltatone, wery light gray, some brownish-gray to
			brownish-black (shaly) in lower part, calcareous.
4454	4456	2	CHERT, brownish-gray to brownish-black (shaly), highly
			calcareous.
4456	4457	1	EANDETONE (very fine) to chert, light-gray to brownish-gray,
			highly calcareous.
4457	4461	4	CHERT, light-gray to brownish-gray, calcareous, dolomitic
4461	4464	3	CHERT, brownish-gray to brownish-black (shaly), calcareous,
			highly dolumitie.
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4464	4470	6	LIMES TOWE, to ohert, brownish-black, shaly, dolomitic.
4470	4474	4	LIEBETCHE, brownish-gray to brownish-black, moderately
			dolamitic, very shaly.
4474	4478	4	SHALE, brownish-black to grayish-black, highly calcareous,
			somewhat dolomitic.
4478	4482	4	SEALE (calcareous) to limestone (shaly), brownish-black, some
			light-gray to brownish-gray, slightly sandy and oherty,
			somewhat delawitie.
4482	4486	4	LIMERTONE (shaly) to shale (calcareous), brownish- and grayish-
			black, charty, dolamitic.
4486	4490	4	No Sample
4490	4494	4	SILTERNE to sendstone (very fine), light- to medium-gray,
			some dark-gray, highly calcareous at the top, cherty,
			glauconi tic.
4494	4498	4	SILTSTORE and sandstone (very fine), very light to light-gray,
			calcareous to a silty and sandy limestone, cherty,
			slightly glemoonitie.
4498	4506	7	No Sample
4505	4518	13	CHERT (sandy and silty) to siltstone and sandstone (very fine),
			very light to light-gray at the top to light and medium-
			gray in the lower part, calcareous, highly calcareous in
			the lower part, alightly glauconitic.
4518	4525	7	SILTSTONE and sandstone (very fine), light- to medium-gray,
			highly calcareous; trace of glauconite; a large amount
			of chert and some shaly material at the bottom.