

V. E. Eskins No. 1

(9)

R. E. Eskins No. 1(680) Well.

By the Owens, Libbey-Owens Gas Dept., Box 2111, Charleston 28, W. Va.

Located 1.01 Mi. S. of 38° 15' and 1.91 Mi. W. of 81° 35'

Peytona Quadrangle - N C (Loudon District - Kanawha County)

Elevation 1112.71' L

Permit - Kan 1176

Drilling commenced March 23, 1945; completed July 11, 1945

Shot July 12, 1945 at 4785-4822', with 450# Detonite

Gas well; Volume 48,000 cu. ft.

Open flow, 38/10th W. in 1"

Fresh water, 725', hole filling; 766' hole filling.

Salt water, 430', standing at 400'; 1224' standing at 400'; 1363', standing at 400'; 1557', 25 bailers 4 hrs.; 1560' hole filling stood at 200'.

10-3/4" casing, 401'; 8-5/8", 1374' (pulled); 7", 1570'.

Oil well anchor packer, 3 x 2 x 16, set at 4753-4758'.

Perf. top, 4821'; perf. bot., 4851'.

Coal was encountered at 262-266'.

Gas 1484-1486', 239M.

Gas 1505', 15M.

Gas 4790', 27M.

10 min R.P., 28#. turned into line

No larger R. P. taken.

Section based on samples from 4679 to 4851'.

Examined by Russell R. Flowers, Mineralogist.

Top	Bottom	Thickness	
4679	4690	11	Shale, black, very highly carbonaceous, calcareous in part, pyritic
HUNTERSVILLE CHERT, 99 Feet.			
4690	4691	1	Limestone, brownish-gray with light-gray spots, shaly, somewhat cherty; a small amount of brown, micaceous shale at the contact with the above shale (Top of Corniferous 4690 from driller's log)

4691	4701	10	Limestone, brownish-gray to brownish-black with white to light-gray, very cherty spots, shaly, somewhat dolomitic, very cherty in the lower part
4701	4712	11	Limestone, brownish-gray, some brownish-black (shaly), cherty to chert, white to light-gray, dolomitic in part
4712	4719	7	Limestone, brownish-gray to brownish-black with very light to medium-gray spots, very shaly, very cherty
4719	4724	5	Limestone, brownish-black, very shaly to a calcareous chert, brownish-gray to medium-gray with light- to medium-gray spots of chert, dolomitic
4724	4726	2	Siltstone, medium-gray, highly calcareous, dolomitic to a dark-gray and grayish-black shale, glauconitic
4726	4732	6	Chert, light- to medium-gray and brownish-gray, highly calcareous, dolomitic, shaly
4732	4740	8	Limestone (highly dolomitic, cherty) to chert (highly calcareous, dolomitic), brownish-gray with some brownish-black, some light- to medium-gray, shaly in part, trace of glauconite
4740	4756	16	Limestone (very silty and shaly) to a calcareous chert, very light gray to light brownish gray, some medium-gray to light brownish-gray in the lower part, highly dolomitic; contains a little glauconite
4756	4764	8	Limestone to calcareous chert, light-gray to medium- and brownish-gray, some brownish-black, very shaly and silty, very sandy and silty at the bottom, dolomitic, somewhat glauconitic
4764	4771	7	Limestone (sandy) and some sandstone, medium-gray to brownish-gray and brownish-black, the sand grains are very fine to fine with some medium grains, subrounded to rounded, moderately to highly dolomitic, somewhat shaly, shaly and cherty at the bottom, contains some glauconite
4771	4775	4	Limestone (sandy) to sandstone (very fine, calcareous), medium-gray to brownish-gray, some brownish-black, shaly, highly dolomitic, glauconitic
4775	4788	13	Siltstone to sandstone (very fine), light- to medium-gray to brownish-gray, calcareous, dolomitic; contains some shaly material and some chert, some glauconite

4788	4789	1	Siltstone, light- to medium-gray and brownish-gray, very sandy (fine to very coarse, subrounded to rounded), highly dolomitic, calcareous, somewhat glauconitic; some dark-gray, silty, very highly glauconitic (greenish* black) shale
ORISKANY SANDSTONE, 7 Feet.			
4789	4790	1	Sandstone, very light-gray, fine- to coarse-grained, rounded to well rounded, highly calcareous (Gas pay 27M)
4790	4790	—	Limestone (very sandy) to sandstone (very highly calcareous), very light gray to pinkish-gray and light-gray, the sand grains are fine to medium (subrounded to rounded) with coarse (well rounded) grains
4790	4796	6	Sandstone, very light gray, the sand grains are almost entirely quartz, fine- to medium-grained, angular (some secondary crystal facets) to rounded, some coarse well rounded and frosted grains, highly calcareous; contains some light brownish gray to brownish-gray, very sandy limestone at the bottom
HELDERBERG FORMATION, 55, plus, Feet			
4796	4802	6	Limestone (silty) to siltstone, light to dark-gray, some very fine sand, some dark-gray to grayish-black streaks (shaly), very cherty in part, some fossil fragments
4802	4806	4	Siltstone and sandstone (very fine) to chert, very light to medium-gray (somewhat shaly) highly calcareous, contains a small amount of glauconite
4806	4810	4	Chert, very light to medium light gray, some medium-gray in the lower part, calcareous, silty to siltstone (in lower part), somewhat dolomitic
4810	4817	7	Chert, light- to dark-gray, highly calcareous, highly calcareous chert to a calcareous shale at the bottom, silty
4817	4822	5	Chert (calcareous) to a highly calcareous, siliceous shale, dark-gray to grayish-black with light- to medium-gray spots, dolomitic

4822	4836	14	Limestone (very shaly) to shale, calcareous, brownish-gray and dark-gray to brownish- and grayish-black, dolomitic, somewhat cherty
4836	4842	6	Limestone (shaly) to shale (calcareous), brownish-gray to brownish- and grayish-black with medium-gray spots, dolomitic, very cherty
4842	4851	9	Shale, dark-gray to brownish- and grayish-black (darker than the above interval), very highly calcareous, dolomitic
	4851		TOTAL DEPTH