

OCT 3 1954

AMHERST LAND COMPANY No. 25(2168).

By United Producing Co., Inc., Charleston, W. Va.
Triadelphia District, Logan County, W. Va.
Located 3.0 mi. W. of 37° 50' Lat. and 1.88 mi. W. of 81° 45' Long.
Logan Quadrangle - SE.
Permit Log-388.
Elevation 959.9 DF.

Drilling commenced Mar. 17, 1954; completed June 21, 1954.
Acidized 6-30-54 with 1000 gal. Packer set at 2339; Perf. top 2448,
Perf. bot 2471

Fresh water 36'; 160'; 495-500'; 1005-1010'; 1050'.
Gas well; Volume 1,852,000 cu. ft. Rock Pressure 825# in 48 hours.
Casing 13-3/8", 17'; 10-3/4", 428'; 8-5/8", 1717'; 7 OD, 2185'.
Coal encountered at 159', 12"; 422', 24"; 1312', 36".
Section based on samples from 2110' to 2486'; examined by Russell R. Flowers.

Top Bottom Thickness

MAUCH CHUNK SERIES, 33, plus, FEET.

2110			Limestone, (very shaly) to shale (highly calcareous) dark gray to brownish black, highly fossiliferous; shale, dark gray, some grayish black
2110	2143	33	Limestone to shale, dark gray to brownish black, highly fossiliferous (crinoidal); some dark gray shale at the bottom ---- Little Lime

GREENBRIER LIMESTONE, 316 FEET.

2143	2151	8	Limestone, brownish black, highly argillaceous
2151	2162	11	Limestone, brownish black, to olive gray and very shaly at the top to olive gray and argillaceous in the lower part, oolitic in part
2162	2174	12	Shale, medium dark gray to dark greenish gray, medium dark gray to brownish gray, some dark gray, highly calcareous, highly fossiliferous
2174	2178	4	Limestone, light olive gray to olive gray and brownish black, fossiliferous
2178	2214	36	Limestone to shale, brownish black to grayish black, very highly fossiliferous, crinoid stems, some bryozoa, mostly calcareous shale at the top
2214	2229	15	Limestone, light olive gray to olive gray, oolitic, fossiliferous; some medium dark gray highly calcareous shale; trace of chert
2229	2243	14	Limestone, olive gray to brownish gray and brownish black, argillaceous in the upper part
2243	2251	8	Limestone-oolites, pale to dark yellowish brown, and olive gray; some olive gray, somewhat silty limestone
2251	2271	20	Limestone-oolites, pale to dark yellowish brown, dolomitic in part; small amount of dark greenish gray, argillaceous siltstone
2271	2287	16	Limestone-oolites, dark yellowish brown to olive gray, some pale yellowish brown, oolites very tightly packed (very fine to fine grained, some medium grains), slightly dolomitic
2287	2296	9	Limestone, olive gray, silty

2296	2308	12	Limestone, brownish gray to olive gray, highly oolitic, sandy (very fine grains) silty
2308	2320	12	Limestone, olive gray, somewhat silty
2320	2336	16	Limestone, pale to dark yellowish brown, oolitic in the upper part, fossiliferous (endothyra type foraminifera) in the lower part
2336	2346	10	Limestone, olive gray, oolitic, fossiliferous (foraminifera) somewhat silty, occasional crinoid fragments
2346	2365	19	Limestone, yellowish gray to light olive gray in the upper part to pale yellowish brown in the lower part, oolitic, dolomitic in part at top, some foraminifera?
2365	2375	10	Limestone, light olive gray and dark gray, highly oolitic, fossiliferous (forams), dolomitic
2375	2398	23	Limestone-oolite, light olive gray to olive gray, somewhat dolomitic in the lower part
2398	2408	10	Limestone, light olive gray, highly oolitic in part, somewhat dolomitic
2408	2447	39	Limestone-oolite, yellowish gray to light olive gray, fine to medium grained, fossiliferous (some crinoid fragments)
2447	2459	12	Dolomite, yellowish gray to pale yellowish brown, calcareous, silty
MACCRADY FORMATION, 27, plus, FEET			
2459 2459	2475	16	Siltstone, medium dark gray to greenish gray, argillaceous; some grayish red silty shale
2475	2482	7	Siltstone, medium dark to dark gray with greenish cast; shale, greyish red, some brownish gray
2482	2486	4	Siltstone, brownish gray to grayish red, some medium dark to dark gray, highly argillaceous
2486			
TOTAL DEPTH of samples (2483' total depth on well log)			