



Latitude 39-30

Longitude 79-30

5.03 39-30  
79-30

I, the undersigned, hereby certify that this map is correct and shows all the information to the best of my knowledge and belief required by the Oil & Gas Section of the Mining Laws of West Virginia

*H. E. Wilhelm*  
H. E. Wilhelm, Engr.

Acknowledged before me, a Notary Public this 21 day of April, 1950

*Walter F. ...*  
Notary Public

My Commission expires Nov 3, 1952

Company Wm. E. Snee  
 Address West Elizabeth, Pa.  
 Company Orville Eberly  
 Address Uniontown, Pa.  
 Farm Cera E. Lewis  
 Tracts 2 Acres 120.5 Lease  
 Well Farm N<sup>o</sup> 3 Serial N<sup>o</sup> \_\_\_\_\_  
 Quadrangle Kingwood  
 County Preston  
 District Portland  
 Engineer H. E. Wilhelm  
 Engineer Registration N<sup>o</sup> 38  
 File N<sup>o</sup> \_\_\_\_\_ Drawing N<sup>o</sup> \_\_\_\_\_  
 Date April 19, 1950 Scale 1" = 500'

State of West Virginia  
 Department of Mines  
 Oil & Gas Division  
 Charleston  
 Well Location Map  
 File N<sup>o</sup> PRIS-16-3

+ Denotes location of Well on U.S. Topographic Map Scale 1 to 62,500  
 Latitude & Longitude being represented by border lines as shown  
 - Denotes 1 inch space on border line of original drawing

66-210

Deep Well

WEST VIRGINIA DEPARTMENT OF MINES  
OIL & GAS DIVISION  
W E L L R E C O R D

Permit No. Pres 16  
Kingwood Quad.

Gas Well  
CASING & TUBING

Company  
Address

Orville Eberly & Wm. E. Snee  
208 Union Trust Bldg.,  
Uniontown, Pa.

13 19 1/4 All  
10 405'10 All

Farm  
Location

Cora E. Lewis Acres 120  
Salt Lick Creek

6 5/8 5073'11 All  
2 5500 to be run

Well No.

3 Elev. 2090

District

Portland Preston County

Perf. top 5375

Surface

Cora E. Lewis, Terra Alta, W.Va.

Perf. bot 5470

Mineral

Same

Commenced

May 22, 1950

Completed

Sept. 30, 1950

CASING CEMENTED:

7 OD 5074 9-1-50

Not shot

Open flow

56/10ths W in 4"

Volume

1,264,000 C.F.

No coal

Rock Pressure

1750 lbs. 25 hrs.

Fresh Water

80°; 370°; 2360°

Space

0 6

Clay Y

6 10

Sand Broken

10 30

Slate & Shells

30 130

Lime

130 144

Slate & Shells

144 180

Lime

180 190

Slate & Shells

190 260

Sand

260 300

Slate & Shells

300 393

Sand

393 450

Slate & Shells

450 1430

Sand Brown

1430 1480

Slate & Shells

1480 1524

Sand Shells

1524 1625

Slate & Shells

1625 1890

Sand

1890 1907

Slate & Shells

1907 3155

Slate Brown

3155 3195

Slate & Shells

3195 3900

Brown Shale

3900 4482

Limey Shale Black

4482 4596

Lime Tully

4596 4617

Dark Shale

4617 4675

Lime

4675 4690

Slate Gr

4690 4709

Slate Dk Br

4709 5073

Lime

5073 5075

Brown Break

5075 5077

Lime Onondaga

5077 5098

Chert Huntersville

5098 5325

Shale Needmore

5325 5348

Sand Oriskany

5348 5502

Lime

5502 5551 T.D.

5502  
2090  
-----  
3412

5077  
2090  
-----  
-2987

5348  
2090  
-----  
-3258

Gas 5136 23 M  
5186 55 M  
5205 81 M  
5230-55 304 M  
5273-91 700 M  
5343-75 1120 M  
Orisk 5460-67 1264 M

CORA E. LEWIS NO. 3 WELL.

Portland District, Preston County, W. Va.

By William E. Snee and Orville Eberly, West Elizabeth, Pa., and Uniontown, Pa.

Located 5.0 mi. S. of 39° 30' and 3.67 mi. W. of 79° 30' - NE - Kingwood Quadrangle.

Elevation, 2089' L.

Permit Preston-16.

Drilling commenced June 1950; completed Oct. 14, 1950.

Gas well; volume, 1,160,000 cu. ft.

No coal was encountered.

Section based on samples from 4576 to 5551'; examined by Russell R. Flowers.

Record to RCT from Flowers March 22, 1951.

Top. Bottom. Thickness.

4576 - 4596	20	Shale, dark-gray to black (carboniferous), somewhat pyritic; contains a small amount of calcite TULLY LIMESTONE, 21 FEET
4596 - 4607	11	Limestone, medium dark gray to dark brownish gray, (with light-gray spots), very fine textured, somewhat pyritic in the upper part, very shaly to a calcareous shale at the bottom
4607 - 4617	10	Shale, dark-gray, highly calcareous; some grayish-black to black shale HAMILTON AND MARCELLUS FORMATIONS, 459 FEET.
4617 - 4668	51	Shale, medium dark to dark-gray, some grayish-black
4668 - 4675	7	Shale, medium dark to dark-gray, somewhat pyritic; contains some slickensided shale
4675 - 4699	24	Shale, medium dark gray, calcareous; some medium dark gray to olive-gray, very shaly limestone
4699 - 4709	10	Shale, medium dark to dark-gray, with calcareous spots; a small amount of olive-gray limestone
4709 - 4723	14	Shale, dark-gray to grayish-black, many pieces show slickensides
4723 - 4772	49	Shale, medium dark to dark-gray, some grayish-black, silty
4772 - 4778	6	Shale, dark-gray to grayish-black; many of the pieces show slickensides
4778 - 4825	47	Shale, grayish-black, some dark-gray, silty in part; contains some finely disseminated pyrite
4825 - 4921	96	Shale, dark-gray to grayish-black, fissile, somewhat pyritic (very finely disseminated in shale); a very small amount of dark yellowish brown to brownish-black, shaly, sideritic limestone
4921 - 4925	4	Shale, dark-gray, some grayish-black, calcareous, somewhat sideritic; some medium dark gray to olive-gray, sideritic, shaly limestone
4925 - 4936	11	Shale, dark-gray, some grayish-black; small amount of dark-gray, shaly, sideritic limestone
4936 - 4942	6	Shale, dark-gray to grayish-black
4942 - 4980	38	Shale, grayish-black and dark-gray to grayish-black, highly pyritic
4980 - 5038	58	Shale, grayish-black to black (carbonaceous), some dark-gray to grayish-black, slightly pyritic; traces of calcite
5038 - 5062	24	Shale, grayish-black to black (highly carbonaceous), some dark-gray to grayish-black, some reddish-black to dusky-brown shale at the top (overheated when drying?); small amount of white to light-gray vein calcite
5062 - 5076	14	Shale, grayish-black to black (highly carbonaceous), pyritic; contains some light-gray to white vein calcite (Top of Onondaga Lime, 5076', in driller's log)

Top. Bottom. Thickness.

## HUNTERVILLE CHERT, 268 FEET

5076 - 5098	22	Limestone, dark-gray to grayish-black with light-gray veins and streaks, very shaly to a calcareous shale; some brownish-gray to brownish-black, very silty, highly micaceous in part (altered biotite?), highly pyritic shale
5098 - 5103	5	Chert, medium- to dark-gray, very shaly at the top, highly calcareous; some dark-gray to grayish-black glauconitic shale
5103 - 5108	5	Chert, medium-gray with dark-gray, very shaly spots and streaks, lighter in color and less shaly in the lower part, calcareous, glauconitic in part
5108 - 5123	15	Chert, light- to medium-gray, some dark-gray (shaly), somewhat dolomitic, calcareous at the top
5123 - 5128	5	Chert, very light to light-gray, mottled light-gray and dark-gray (shaly) in part, slightly calcareous, somewhat dolomitic
5128 - 5131	3	Chert, mottled light-gray (milky) and dark-gray ("dead"), shaly), silty and somewhat glauconitic in part
5131 - 5136	5	Chert, white to light-gray (milky to translucent), mottled with some dark-gray (shaly, "dead"), slightly dolomitic
5136 - 5148	12	Chert, light- to medium-gray, (translucent), some dark-gray (shaly and "dead") in the lower part
5148 - 5152	4	Chert, white to light-gray, milky to translucent (with dark-gray shaly and silty spots and streaks), slightly dolomitic
5152 - 5157	5	Chert, light- to medium-gray (translucent to "dead"), very silty to a dark-gray, very shaly siltstone, somewhat dolomitic
5157 - 5166	9	Chert, medium- to dark-gray (shaly), very silty, "dead"; some light-gray, translucent chert; a very small amount of glauconite included in the chert
5166 - 5168	2	Chert, medium-gray (translucent to "dead") to dark-gray, (silty, very shaly, "dead"); contains a very small amount of dolomite
5168 - 5174	6	Chert, medium dark gray ("dead") to dark-gray (very shaly, silty, siliceous, dark-gray shale
5174 - 5195	21	Chert, (very shaly and silty) to a silty, siliceous shale, dark-gray, some grayish-black
5195 - 5214	19	Chert, light- (translucent) to medium-gray ("dead"), mottled with dark-gray to grayish-black (very shaly), less shaly and lighter in color toward the bottom, somewhat dolomitic in part
5214 - 5232	18	Chert, medium-gray (translucent to "dead"), silty to a dark-gray, very shaly siltstone, glauconitic in part, somewhat dolomitic
5232 - 5246	14	Chert, medium-gray ("dead") to dark-gray (very shaly); some dark-gray to grayish-black, silty shale; darker and a higher shale content toward the bottom
5246 - 5267	21	Chert, medium-gray, (impure) to dark-gray (very shaly); some dark-gray to grayish-black, silty shale
5267 - 5302	35	Chert to siliceous shale, dark-gray to grayish-black; some medium dark gray chert in the upper part; contains traces of vein quartz and calcite; small amounts of pyrite
5302 - 5315	13	Shale, (siliceous) to chert, grayish-black; small amount of vein calcite and dolomite, a very little clear and glassy vein quartz

(Continued on p. 3)

Top.	Bottom.	Thickness.	
5315	- 5323	8	Shale, dark-gray to grayish-black, siliceous in part; small amount is calcareous and dolomitic; some oil residue in samples 5317-19' and 5322-23'; a trace of sphalerite in one sample
5323	- 5343	20	Shale, dark-gray to grayish-black, some medium dark gray in the lower part; somewhat pyritic in part
5343	- 5344	1	No sample
5344	- 5348	4	Chert, dark-gray to grayish-black, very shaly and silty, calcareous and dolomitic; a large amount of shale, medium dark gray to grayish-black ORISKANY SANDSTONE, 203 FEET AND HELDERBERG FORMATION
5348	- 5350	2	Sandstone, light-gray, fine- to medium-grained, subrounded to rounded, some coarse, rounded grains, many of the grains show secondary crystal facets; this sand is almost entirely quartz grains
5350	- 5359	9	Sandstone, very light to light-gray, mostly fine-grained, subrounded, some rounded medium grains, calcareous, highly calcareous in part
5359	- 5364	5	Limestone (very sandy) at the top to a sandstone (highly calcareous) at the bottom, medium-gray (with dark-gray shaly streaks), slightly dolomitic; the sand is mostly fine to medium, subrounded to rounded quartz grains
5364	- 5373	9	Sandstone, light-gray, light-medium-gray at the top, highly calcareous, fine- to medium-grained, mostly subrounded to rounded quartz
5373	- 5378	5	Sandstone, light-gray, fine- to medium-grained, highly calcareous; a large amount of dark-gray shale and a little chert (avings?)
5378	- 5385	7	Sandstone, light-gray, mostly fine-grained, some medium grains, highly calcareous, some dark interstitial material HELDERBERG FORMATION, 166? FEET
5385	- 5387	2	Limestone (very sandy) to a fine-grained sandstone (highly calcareous), light- to medium-gray (somewhat shaly)
5387	- 5390	3	Sandstone, light to medium light gray, fine-grained, with some medium (rounded) grains, highly calcareous, with limestone spots
5390	- 5393	3	Sandstone, medium light to medium-gray, mostly fine-grained, very highly calcareous (almost limestone), somewhat shaly
5393	- 5398	5	Sandstone, light- to medium light gray, mostly fine-grained, highly calcareous, with limestone and shaly streaks
5398	- 5400	2	Sandstone, light- to medium-gray, fine to very fine grained, very highly calcareous, dolomitic, somewhat shaly
5400	- 5405	5	Sandstone, medium-gray (with dark-gray, very shaly streaks), fine to very fine, some medium grains, very highly calcareous
5405	- 5409	4	Limestone (very sandy) to sandstone (very highly calcareous), fine to very fine grained, medium-gray with light-gray spots, very shaly in part, very silty, contains some medium (rounded) quartz grains and some fossil fragments
5409	- 5415	6	Sandstone, mottled light- and medium-gray, fine to very fine, highly calcareous, with limestone spots, very silty and very shaly in parts
5415	- 5418	3	Sandstone, medium-gray with light-gray spots, very fine to fine-grained, some medium grains, very highly calcareous, very shaly and silty
5418	- 5423	5	Sandstone, light-gray, fine-grained, highly calcareous

Top.	Bottom.	Thickness.		
5423	- 5425	2	Sandstone (very fine, highly calcareous) to limestone (very sandy), medium-gray (with light-gray spots)	
5425	- 5430	5	Sandstone, medium-gray (with dark-gray, very shaly layers), highly calcareous, very fine to fine-grained	
5430	- 5434	4	Limestone (very sandy) to sandstone (highly calcareous), medium-gray (with light spots and dark very shaly streaks), very fine to fine, with some medium grains, very silty	
5434	- 5436	2	Sandstone, medium to medium dark gray, very fine, highly calcareous, silty, somewhat shaly	
5436	- 5439	3	Limestone, medium to dark-gray (with white to light-gray spots), very sandy (very fine to fine), some medium, very silty, shaly	
5439	- 5441	2	Sandstone, light- to medium-gray, some dark-gray (shaly), very fine, silty, with some medium to coarse (rounded) grains, highly calcareous	
5441	- 5445	4	Sandstone, very light to light-gray, very fine to fine-grained, calcareous	
5445	- 5458	13	Limestone (very sandy) to sandstone (highly calcareous), very fine, silty, medium- to dark-gray, (shaly), with light-gray spots; mostly fine-grained with some medium grains at the bottom	
5458	- 5462	4	Sandstone, very light gray at the top, very light to light-gray toward the bottom, fine-grained, fine- to medium-grained in part, highly calcareous	
5462	- 5470	8	Sandstone, light-gray (with medium-gray spots), fine-grained, some medium grains, highly calcareous	
5470	- 5472	?	2	Limestone (very sandy) to a sandstone (highly calcareous)
5470	- 5472	?	2	Limestone (very sandy) to sandstone (highly calcareous), medium- to dark-gray, very shaly, fine- to very fine grained
5472	- 5476	2	Sandstone, medium-gray (with dark-gray, very shaly streaks in the lower part), very fine, highly calcareous	
5476	- 5478	2	Limestone, light- to medium-gray (with white and some dark-gray spots), very sandy in part	
5478	- 5481	3	Sandstone, medium light to medium dark gray, very fine to fine-grained, highly calcareous, shaly in part	
5481	- 5485	4	Limestone, medium- to dark-gray (very shaly), with light-gray spots, fine to very fine sandstone spots, some fossil fragments	
5485	- 5488	3	Sandstone, medium light gray, very fine, silty, very highly calcareous	
5488	- 5498	10	Sandstone (very fine, highly calcareous) to limestone (very sandy), medium- to dark-gray (shaly) with light-gray spots in the upper part	
5498	- 5502	4	Limestone, medium light to medium-gray, very sandy (very fine); some fossil fragments	
5502	- 5509	7	Sandstone (very fine, highly calcareous) to limestone (very sandy); medium light to medium dark gray	
5509	- 5515	6	Limestone, medium- to dark-gray (high shale content), with light-gray spots, very sandy (very fine) in part	
5515	- 5526	11	Limestone, medium light to medium dark gray, very sandy, (fine to very fine)	
5526	- 5541	15	Limestone (very sandy) to sandstone (highly calcareous, fine- to medium-grained), medium light to medium-gray, some dark-gray (high shale content)	
5541	- 5551	10	Limestone, (very sandy at top) to sandstone (very fine), very highly calcareous at the bottom, medium light to medium-gr.	
5551			Total depth	