

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 2 day of September, 1949

My Commission expires \_\_\_\_\_

\_\_\_\_\_  
Notary Public

Company	<u>Wm E. Snee</u>
Address	<u>W. Elizabeth, Pa.</u>
Company	<u>Orville Eberly</u>
Address	<u>Uniontown, Pa.</u>
Farm	<u>Cora E. Lewis</u>
Tracts	<u>2 Acres 117 Lease</u>
Well Farm No	<u>2 Serial No</u>
Quadrangle	<u>Kingwood NE</u>
County	<u>Preston</u>
District	<u>Portland</u>
Engineer	<u>H.E. Wilhelm</u>
Engineer Registration No	<u>38</u>
File No	<u>Drawing No</u>
Date	<u>Sept. 2, 1949. Scale - 1"=500'</u>

State of West Virginia  
Department of Mines  
Oil & Gas Division  
Charleston  
Well Location Map  
File No: PRES-14

+ 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.

6-0 270

Deep Well



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

*Kingwood quarry*

WELL RECORD

Permit No. **PRES-14**

Oil or Gas Well **Dry**

(KIND)

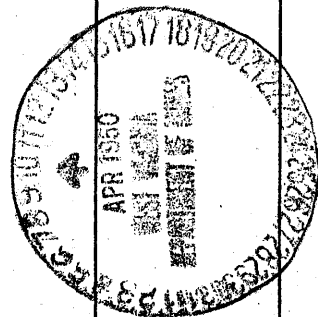
Company **Orville Eberly & Wm. E. Snee**  
Address **208 Union Trust Bldg., Uniontown, Pa.**  
Farm **Cora Lewis** Acres **118**  
Location (waters) **Salt Lick Creek**  
Well No. **2** Elev. **1953.3'**  
District **Portland** County **Preston**  
The surface of tract is owned in fee by **Cora Lewis**  
Address **Terra Alta, W.Va.**  
Mineral rights are owned by **Same**  
Address \_\_\_\_\_  
Drilling commenced **Sept. 10, 1949**  
Drilling completed **April 5, 1950**  
Date Shot **Mar. 29, 1950** From **5432** To **5455**  
With **150** quarts **5567** **5589**  
Open Flow **/10ths** Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume **Now 5,000 and is decreasing** Cu. Ft.  
Rock Pressure **Not shut in** lbs. \_\_\_\_\_ hrs.  
Oil **None** bbls., 1st 24 hrs.  
Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer <b>None</b>
13	<b>28' 7"</b>		
10	<b>253'</b>		Size of _____
8 1/4	<b>1395</b>		
6 3/8	<b>5308</b>		Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED **700** SIZE **5308** No. Ft. **Jan. 14, 1950**

COAL WAS ENCOUNTERED AT **No coal present**  
FEET \_\_\_\_\_ INCHES \_\_\_\_\_  
FEET \_\_\_\_\_ INCHES \_\_\_\_\_  
FEET \_\_\_\_\_ INCHES \_\_\_\_\_

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Ground level	8 ft. below floor						
Gravel			8	24			
Sand	Grey		24	38			
Slate			38	48	Water	47	6 bailers 1 hour
Lime			48	75			
Slate			75	85			
Lime			85	140			
Slate			140	160			
Lime			160	200			
Slate			200	208			
Lime			208	240			
Slate			240	270			
Lime			270	310			
Sand			310	330			
Slate & Shells			330	585			
Sand			585	598			
Slate & Shells			598	690			
Sand			690	700			
Slate & Shells			700	1161			



Formation	Color	Hard or Soft	Top <sup>7</sup>	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime			1161	1258			
Sand	Brown		1258	1355			
Slate & Shells			1355	3155			
Brown Shale			3155	3210			
Slate & Shells			3210	3745			
Brown Shale			3745	4364			
Black Shale			4364	4563			
Tully Lime			4563	4578			
Dark Shale			4578	5100			
Lime			5100	5215			
Shale			5215	5250			
Shale (Marcellus)			5250	5285			
Brown Break			5285	5286			
Lime (Onondaga)			5286	5315		5286	
Chert			5315	5369		1953	
Shale (Marcellus)			5369	5379		-3333	5412
Brown Break			5379	5381			195
Lime (Onondaga)			5381	5412	Gas Show	5447	2,000 cu. ft. per day
Chert			5412	5704			
Total Depth			5704				

*Faulted well*

Date April 8, 1950

APPROVED Drille E. Body Owner  
 By Drille E. Body  
 (Title)

CORA E. LEWIS NO. 2 WELL.

Portland District, Preston County, W. Va.

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

Located 4.98 mi. S. of 39° 30' and 3.7 mi. W. of 79° 30' - NE - Kingwood Quadrangle.

Elevation, 1953.3' L.

Permit Preston-14.

Drilling commenced Sept. 1949; completed April 8, 1950.

Shot in chert and plugged.

Section based on samples from 4545 to 5703'; examined by Russell R. Flowers.

Record to RCT from Flowers March 22, 1951.

Top. Bottom. Thickness.

4545 - 4563	18	Shale, grayish-black to black (carbonaceous), slightly calcareous TULLY LIMESTONE, 15 FEET
4563 - 4578	15	Limestone, medium dark to dark-gray, some olive-gray to brownish-black, very fine textured, very silty (extremely fine silt); a very large amount of grayish-black to black shale (probably mostly cavings) (Thickness of this member from driller's log HAMILTON AND MARCELLUS SHALES, 721 FEET
4578 - 4783	205	Shale, dark-gray to grayish-black, grayish-black to black (highly carbonaceous), some medium dark gray near the top; traces of pyrite and calcite
4783 - 4796	13	Shale, medium dark gray to dark-gray to grayish-black
4796 - 4804	8	Shale, dark-gray to grayish-black, some black; small amount of dark-gray limestone to calcareous shale
4804 - 4817	13	Shale, medium dark gray, somewhat calcareous and sideritic; some olive-gray to dark-gray sideritic limestone; some grayish-black to black shale
4817 - 4826	9	Shale, medium dark gray to grayish-black; small amount of dark-gray to olive-gray, shaly, sideritic limestone
4826 - 4836	10	Shale, dark-gray to grayish-black, some medium dark gray, some black
4836 - 4883	47	Shale, dark-gray to grayish-black
4883 - 4938	55	Shale, dark-gray to grayish-black; small amount of vein calcite, pyrite, and nodules of pyritic limestone (very shaly); some grayish-black to black shale at the bottom
4938 - 5005	67	Shale, grayish-black to black (highly carbonaceous), pyritic; some vein calcite in many of the samples; a few scattered pieces of grayish-black, very shaly limestone nodules; some of the shale in many samples show slickensides; highly pyritic, 4945-4951'; trace of sphalerite, 4989-96'
5005 - 5018	13	Shale, grayish-black to black, some dark-gray, somewhat pyritic; small amount of medium dark gray, shaly limestone at the bottom
5018 - 5080	62	Shale, dark-gray to grayish-black, somewhat pyritic
5080 - 5141	61	Shale, grayish-black to black (carbonaceous), some dark-gray, somewhat pyritic; small amount of white to light-gray vein calcite
5141 - 5146	5	Limestone (shaly) to shale (calcareous), medium dark gray to olive-gray; shale, grayish-black to black (carbonaceous); small amount of pyrite
5146 - 5150	4	Shale, medium dark gray to olive-gray, highly calcareous; some dark-gray to black shale
5150 - 5220	70	Shale, medium dark gray to olive-gray, highly calcareous to shaly limestone (in part); shale, dark-gray to grayish-black
5220 - 5227	7	Shale, grayish-black to black (carbonaceous); some medium dark gray to olive-gray, calcareous shale; contains many pieces of pyrite and some white vein calcite

(OVER)

Top.	Bottom.	Thickness.	
5227	- 5250	23	Shale, medium dark gray to olive-gray, highly calcareous to a shaly limestone (in part); some dark-gray to black (carbonaceous) shale (a large amount at the bottom); small amount of light-gray vein calcite
5250	- 5285	35	Shale, grayish-black to black (highly carbonaceous), pyritic; some white to light-gray vein calcite
5285	- 5291	6	Shale, grayish-black to black, some of the shale is speckled with tiny red particles; some is reddish-black (overheating when drying?), highly calcareous in part
5291	- 5299	8	Siltstone, dark- to dusky yellowish brown, very shaly, highly micaceous; a large amount of grayish-black to black shale, highly calcareous in part, pyritic; some white vein calcite HUNTERVILLE CHERT, 69 FEET
5299	- 5306	7	Shale, black, highly calcareous to a grayish-black, very shaly limestone; some dark- to dusky yellowish brown, shaly silt
5306	- 5310	4	Limestone, very shaly, dark-gray, to shale (calcareous), grayish-black
5310	- 5315	5	Shale, dark-gray to grayish-black, calcareous to a shaly limestone, highly glauconitic in part; somewhat pyritic; small amount of dark-gray chert
5315	- 5319	4	Chert, dark-gray, shaly, highly calcareous, to a translucent, light- to medium-gray chert
5319	- 5322	3	Chert, grayish-black to olive-black, shaly, "dead", calcareous; some light- to medium-gray, translucent to "dead" chert
5322	- 5330	8	Chert, light- to medium-gray, translucent to opaque, calcareous, somewhat dolomitic; a large amount of dark-gray to grayish-black, shaly chert
5330	- 5340	10	Chert, light to medium light gray, translucent, some dark-gray to grayish-black (shaly), calcareous in upper part, somewhat dolomitic
5340	- 5349	9	Chert, light- to medium-gray, translucent to opaque, contains large quantities of siliceous sponge spicules?; some dark-gray, shaly material, somewhat dolomitic
5349	- 5352	3	Chert, white to medium light gray, transparent to translucent, some siliceous sponge spicules?; contains many spots and streaks of dark-gray, shaly material, somewhat dolomitic
5352	- 5354	2	Chert, white to light-gray (very dull, partly translucent), dark-gray (very shaly), highly fractured, somewhat dolomitic
5354	- 5359	5	Chert, light to medium light gray, mostly translucent, with siliceous spicules?, and medium- to dark-gray, very silty and shaly; trace of clear, glassy vein quartz
5359	- 5368	9	Chert, light- to medium-gray, mostly translucent, with large number of siliceous spicules/; many fractures; some medium- to dark-gray, very shaly chert MARCELLUS SHALE, 21 FEET
5368	- 5382	14	Shale, grayish-black to black (carbonaceous), highly calcareous in part, pyritic; some white vein calcite
5382	- 5389	7	Siltstone, dark- to dusky yellowish brown, highly micaceous, very shaly; shale, grayish-black to black (carbonaceous) to a grayish-black, highly calcareous shale, pyritic; small amount of white vein calcite HUNTERVILLE CHERT, 314 FEET
5389	- 5399	10	Shale, (highly calcareous) to limestone (very shaly); grayish-black to black, pyritic; a large amount of grayish-black to black shale and some dark- to dusky yellowish brown shale; a little white vein calcite

Top.	Bottom.	Thickness.	
5399	- 5402	3	Limestone (shaly) to a calcareous shale, grayish-black, somewhat pyritic; a large amount of grayish-black to black shale (probably cavings)
5402	- 5407	5	Shale, grayish-black, highly calcareous, some shaly limestone; small amount of white vein calcite; trace of chert
5407	- 5413	6	Limestone, grayish-black, very shaly and chert, medium- to dark-gray, calcareous; small amount of grayish-black, calcareous, glauconitic shale
5413	- 5415	2	Chert, dark-gray (very shaly), some medium-gray translucent, highly calcareous, somewhat dolomitic
5415	- 5416	1	Chert, grayish-black to brownish-black (shaly), and light- to medium-gray, translucent, highly calcareous, somewhat dolomitic
5416	- 5427	11	Chert, light- to medium-gray, translucent to "dead", some transparent chert, some dark-gray (shaly, "dead"), highly calcareous, dolomitic
5427	- 5435	8	Chert, light to medium light gray, translucent and transparent to "dead", some dark-gray (shaly), somewhat dolomitic
5435	- 5438	3	Chert, light-gray, transparent to translucent, contains siliceous sponge spicules; somewhat dolomitic
5438	- 5442	4	Chert, white to medium light gray, translucent, transparent in part, contains a moderately large amount of sponge spicules?; slightly dolomitic; contains spots and streaks of dark shaly material
5442	- 5447	5	Chert, very light to medium light gray (transparent to translucent), medium-gray ("dead") to dark-gray (shaly); contains some siliceous sponge spicules/; slightly dolomitic; some vein quartz
5447	- 5455	8	Chert, white (milky) to very light gray (translucent), medium-gray ("dead") to dark-gray ("dead"), high shale content, somewhat dolomitic; contains large numbers of siliceous sponge spicules?
5455	- 5464	9	Chert, medium light to medium-gray, translucent, contains large numbers of siliceous sponge spicules?; some medium dark to dark-gray, very shaly chert, silty in part
5464	- 5480	16	Chert, medium-gray (translucent to "dead") to a medium dark gray (with greenish cast), very silty, highly glauconitic chert; some dark-gray, shaly chert; small amount is dolomitic
5480	- 5503	23	Chert, medium- to dark-gray (shaly), "dead", translucent in part, silty, glauconitic in part
5503	- 5526	23	Chert, medium-gray ("dead") to a dark-gray, siliceous shale, silty
5526	- 5534	8	Siltstone to chert, medium- to dark-gray, very shaly in part, slightly dolomitic
5534	- 5547	13	Chert to shale (siliceous) and siltstone, medium dark gray to grayish-black; some white vein calcite and clear glassy quartz at the bottom
5547	- 5571	24	Chert to siliceous shale, medium-dark to dark-gray, some grayish-black, silty
5571	- 5577	6	Chert, medium to medium dark gray, very shaly in part; small amount of white vein dolomite and clear glassy quartz
5577	- 5581	4	Chert, medium dark to dark-gray, some grayish-black, very shaly, silty
5581	- 5623	42	Chert, medium- to medium dark gray, dark-gray to grayish-black, (very shaly to shale), very silty in part (particularly at the bottom)

Top. Bottom. Thickness.

5623 - 5630	7	Chert, medium- to medium dark gray, silty; some dark-gray, very shaly, silty chert, slightly dolomitic
5630 - 5649	19	Chert, medium- to dark-gray, silty to a siliceous shale, dark-gray to grayish-black
5649 - 5658	9	Shale, grayish-black; some chert, dark-gray to grayish-black
5658 - 5665	7	Chert, medium- to medium dark gray to siliceous shale and shale, dark-gray to grayish-black; small amount of dolomite
5665 - 5668	3	Chert, medium- to medium dark gray, some grayish-black (very shaly)
5668 - 5676	8	Chert to siltstone (fine), medium- to medium dark gray, dark-gray (shaly) to grayish-black shale, slightly dolomitic
5676 - 5684	8	Chert, (silty), medium- to medium dark gray, to siltstone and shale, dark-gray to grayish-black; small amounts of dolomitic chert
5684 $\frac{3}{2}$ - 5687	3	Chert, medium- to medium dark gray, silty in part; some dark-gray to grayish-black, cherty siltstone and shale
5687 - 5690	3	Chert, medium light to medium dark gray, silty, slightly calcareous and dolomitic
5690 - 5694	4	Chert, medium dark to dark-gray, silty in part; some grayish-black, siliceous shale; small amount of white dolomite
5694 - 5703	39	Chert to very fine siltstone, medium- to medium dark gray, some dark-gray to greenish-black (very shaly). dolomitic in part