



I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by Paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Sybert R. Knull

New Location
 Drill Deeper
 Abandonment

Company THE PRESTON OIL CO.
 Address CHARLESTON, W.VA.
 Farm IMPERIAL COAL CO.
 Tract _____ Acres 5400 Lease No. 2975
 Well (Farm) No. _____ Serial No. 938
 Elevation (Spirit Level) 1539.92'
 Quadrangle MONTGOMERY-WC
 County KANAWHA District CABIN CK.
 Engineer Sybert R. Knull
 Engineer's Registration No. 2529
 File No. 72-45 Drawing No. _____
 Date SEPT. 10, '64 Scale 1" = 800'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. KAN-1371-A

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

6-6 240

1371A

Cabin Creek District, Kanawha County, W. Va.
 By United Fuel Gas Co., Charleston, W. Va.
 Drilling contractor: D. M. Close, Charleston, W. Va.
 Commenced June 23, 1917; completed Oct. 29, 1917.
 Drillers: H. P. Darnold, J. C. McCall.
 10" casing, 840'; 8", 2000' (pulled); 6 3/8", 2532'; 2" tubing.
 Shot Oct. 29, 1917, with 80 qts.
 Oil, pumped 75 bbls., 1st 24 hrs.
 Steel-line measurements at 2514, 3226, 3250, and 3265'.

	Top.	Bottom.	Thickness.
Conductor	0	8	8
Line and sand	120	160	40
Slate	160	165	5
Sand	165	210	35
Slate	210	220	10
Lime	220	262	42
Slate	262	296	34
Sand (fresh water, 310')	296	320	24
Slate	320	350	30
Coal	350	353	3
Slate	353	455	102
Lime	455	595	140
Slate	595	600	3
Coal	600	603	3
Slate	603	608	5
Sand	608	678	70
Coal	678	680	2
Lime	680	700	20
Slate	700	720	20
Coal	720	725	5
Lime	725	735	10
Slate	735	774	40
Lime	775	780	5
Coal	780	785	5
Slate	785	820	35
Lime	820	850	30
Slate	850	890	40
Sand	890	905	15
Slate and lime	905	1130	225
Sand	1130	1205	75
Slate	1205	1275	70
Lime	1275	1540	265
Grampas Sand	1540	1620	80
Slate	1620	1650	30
Salt Sand (salt water, 1775')	1650	1950	300
Slate	1950	1960	10
Slate shells	1960	2060	100
Slate	2060	2080	20
Lime shells	2080	2130	50
Red rock	2130	2165	35
Lime shells	2165	2340	175
Maxton Sand	2340	2480	140
Slate	2480	2485	5
Little Lime	2485	2507	22
Pencil Cave	2507	2514	7
Big Lime	2514	2780	266

(OVER)

IMPERIAL COAL CO. NO. 16 (938) WELL (Continued).

4181

	Top.	Bottom.	Thickness.
Big Injun Sand	2780	- 2840	60
Slate and shells	2840	- 2985	145
Weir Sand	2985	- 3010	25
Lime shells	3010	- 3226	216
Berea Sand	3226	- 3263	37
Black lime	3263	- 3265	2
Total depth		3265	

Revised record:

Top Big Line	2514		
Berea Sand (oil pay, 3250-3263')	3226	- 3263	37
Black lime	3263	- 3265	2
Total depth		3265	

Vertical column of faint, mirrored text, likely bleed-through from the reverse side of the page. The text is mostly illegible but appears to contain a list of geological observations or measurements corresponding to the well log.

KAN-1371-A

WELL RECORD

985

UNITED FUEL GAS COMPANY SERIAL WELL NO. 938 MAP SQUARE

<p>NAME <u>Imperial Coal Company</u></p> <p>WELL NO. <u>16</u> LEASE NO. _____ ACRES _____</p> <p>TOWNSHIP OR DISTRICT <u>Cabin Creek</u></p> <p>COUNTY <u>Kanawha</u></p> <p>FIELD _____</p> <p>STATE <u>W. Va.</u></p> <p>RIG _____ Building Cost _____</p> <p>Contractor _____</p> <p>Commenced _____ 19____, Completed _____ 19____</p> <p>DRILLING _____ Cost per Ft. _____</p> <p>Contractor <u>D. M. Close</u></p> <p>Address <u>Charleston, W. Va.</u></p> <p>Commenced <u>June 23</u> 19<u>17</u>, Completed <u>Oct. 29</u>, 19<u>17</u></p> <p>DRILLERS _____ TOOL DRESSERS _____</p> <p><u>H. P. Darnold</u></p> <p><u>J. C. McCall</u></p>	<p>CASING AND TUBING</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>SIZE</th> <th>USED IN DRILLING</th> <th>LEFT IN WELL</th> </tr> <tr> <td>16</td> <td></td> <td></td> </tr> <tr> <td>13</td> <td></td> <td></td> </tr> <tr> <td>10</td> <td>840</td> <td>840</td> </tr> <tr> <td>8$\frac{1}{2}$</td> <td>2000</td> <td>Pulled</td> </tr> <tr> <td>6$\frac{5}{8}$</td> <td>2532</td> <td>2532</td> </tr> <tr> <td>5$\frac{3}{16}$</td> <td></td> <td></td> </tr> <tr> <td>4$\frac{7}{8}$</td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> </tr> </table> <p>WELL TUBED</p> <p>Date _____</p> <p><u>2</u> in. Tubing or Casing</p> <p>Size of Packer _____</p> <p>Kind of Packer _____</p> <p>1st Perf. Set _____ from _____</p> <p>2nd Perf. Set _____ from _____</p>	SIZE	USED IN DRILLING	LEFT IN WELL	16			13			10	840	840	8 $\frac{1}{2}$	2000	Pulled	6 $\frac{5}{8}$	2532	2532	5 $\frac{3}{16}$			4 $\frac{7}{8}$			4			3			2			<p>TEST BEFORE SHOT</p> <p>_____ of Water in _____ inch</p> <p>10ths. _____ of Merc. in _____ inch</p> <p>10ths. Volume _____ Cu. Ft.</p> <p>TEST AFTER SHOT</p> <p>_____ of Water in _____ inch</p> <p>10ths. _____ of Merc. in _____ inch</p> <p>10ths. Volume _____ Cu. Ft.</p> <p>Rock Pressure _____</p> <p>Date Shot <u>10-29-17</u></p> <p>Size of Torpedo <u>80 Qt.</u></p> <p>Oil Flowed _____ bbls. 1st 24 hours</p> <p>Oil Pumped <u>75</u> bbls. 1st 24 hours</p> <p>Well Abandoned and Plugged _____ 19____</p>
SIZE	USED IN DRILLING	LEFT IN WELL																																	
16																																			
13																																			
10	840	840																																	
8 $\frac{1}{2}$	2000	Pulled																																	
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5 $\frac{3}{16}$																																			
4 $\frac{7}{8}$																																			
4																																			
3																																			
2																																			

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	Formation	REMARKS	Top	Bottom	Thick.
Conductor	0	8	8	Slate Shells		1960	2060	100
Lime and Sand	120	160	40	Slate		2060	2080	20
Slate	160	165	5	Lime Shells		2080	2130	50
Sand	165	210	35	Red Rock		2130	2165	35
Slate	210	220	10	Lime Shells		2165	2340	75
Lime	220	262	42	Maxon Sand		2340	2480	140
Slate	262	296	34	Slate		2480	2485	5
Sand	296	320	24	Little Lime		2485	2507	22
Slate	320	350	30	Pencil Cave		2507	2514	7
Coal	350	353	3	Big Lime		2514	2780	266
Slate	353	455	102	Big Injun		2780	2840	60
Lime	455	595	140	Slate & Shells		2840	2985	145
Slate	595	600	3	Weir Sand		2985	3010	25
Coal	600	603	3	Lime Shells		3010	3226	216
Slate	603	608	5	Berea Sand		3226	3263	37
Sand	608	678	70	Black Lime		3263	3265	2
Coal	678	680	2					
Lime	680	700	20	Fresh Water:	310			
Slate	700	720	20	Salt Water:	1775			
Coal	720	725	5					
Lime	725	735	10	Revised Record:				
Slate	735	775	40	Top Big Lime	2514			
Lime	775	780	5	Berea Sand	3226	3263		
Coal	780	785	5	Oil Pay	3250	3263		
Slate	785	820	35	Black Lime	3263	3265		
Lime	820	850	30	Total Depth	3265			
Slate	850	890	40					
Sand	890	905	15					
Slate and Lime	905	1130	225	Steel Line Measurements				
Sand	1130	1205	75	2514 - 3226 - 3250 - 3265				
Slate	1205	1275	70					
Lime	1275	1540	265					
Grampas	1540	1620	80					
Slate	1620	1650	30					
Salt Sand	1650	1950	300					
Slate	1950	1960	10					