



New Location  X  
 Drill Deeper   
 Abandonment

Company Blount & Trust Oil Co.  
 Address Pittsburg Pa.  
 Farm L. J. Rinchart  
 Tract \_\_\_\_\_ Acres 107 Lease No. \_\_\_\_\_  
 Well (Farm) No. 1 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 530'  
 Quadrangle St. Marys SW  
 County Pitkin District Grant  
 Engineer Joe Triplett  
 Engineer's Registration No. \_\_\_\_\_  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date Feb. 26, 1942 Scale 1" = 30'

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

**WELL LOCATION MAP**  
 FILE NO. RIT-941

+ 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.

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

Permit No. Rit 941  
St. Marys Quad.  
Company  
Address  
Farm  
Location  
Well No  
District  
Surface  
Mineral  
  
Commenced  
Completed  
Fresh Water  
Salt Water

Benedum-Trees Oil Co.  
223 Fourth Ave., Pittsburgh, Penna. 16 20'  
L.J. Rinehart Acres 107 13 3/8 380'  
Goose Creek 10 1/2 1057'  
One (1.) Elev. 830' 8 1/2 1850'  
Grant Ritchie County 65/8 5644'  
L.J. Rinehart, Cairo, W.Va.  
L.J. Rinehart 1/2 Int. & H.M. Rinehart  
1/2 Int., Cairo, W.Va. Coal at 1512' to 1515'  
March 13, 1942  
Sept. 15, 1942  
290'; 300'  
1558 to 1577'; 7070 to 7079

Dry Hole  
CASING & TUBING

Clay & Gravel		0	9	Sand	1535	1597
Lime		9	45	Lime - <i>Biglime</i> Br	1597	1645
Rock	R	45	50	Sand - <i>Argin</i>	1645	1770
Lime-Slate		50	92	Shale	1770	1790
Rock	R	92	100	Sand	1790	1813
Lime		100	114	Lime	1813	1857
Rock	R	114	125	Shale	1857	1895
Lime-Red Rock		125	138	Shale-Shells	1895	2025
Lime		138	150	Shale	2025	2083
Slate	Gr	150	167	Shale-Shells	2083	2790
Rock	R	167	193	Shale	2790	2940
Lime-Rock	R	193	209	Shale-Shells	2940	3560
Sandy Shale		209	253	Lime	3560	3585
Lime-Gritty		253	270	Shale	3585	3622
Shale	Wh	270	285	Shale-Shells	3622	3900
Sand		285	310	Shale	3900	3970
Shale		310	345	Shale-Shells	3970	4002
Shale-Lime		345	380	Shale	4002	5177
Shale		380	500	Shale	5177	5604
Rock	R	500	570	Shale	5604	5630
Shale & Shells		570	582	Lime - <i>Onondaga</i>	5630	5663
Rock	R	582	640	Lime-Chert - <i>HRVL</i>	5644	5834
Shale	Gr	640	710	Sand-Oriskany	5834	5911
Rock	R	710	745	Lime - <i>Helderberg</i>	5911	6010
Shale	Gr	745	750	Lime	6010	6400
Shale-Shells		750	765	Shale	6400	6453
Shale		765	780	Lime	6453	6523
Lime		780	794	Salt	6523	6570
Shale-Shells		794	870	Salt & Lime	6570	6598
Shale	Bk	870	884	Lime	6598	6606
Rock	R	884	895	Salt	6606	6621
Sand		895	945	Lime	6621	7055
Shale		945	966	Sand - <i>Newburg</i>	7055	7088
Sand		966	970	Lime - <i>McKENZIE</i>	7088	7331
Shale	Bk	970	1000			
Shale	Gr	1000	1020	Oil & Gas	1293	7055
Sand	Wh	1020	1063	Oil & Gas	1535-1558	5834
Shale	Gr	1063	1110	Show of Gas	5177-5604	1771
Shale-Shells		1110	1165	Show of Gas	5849-5850	
Shale		1165	1175			
Sand		1175	1222	Measurement corrected from 5630 to 5613		
Shale	Gr	1222	1255	Top of Corniferous Lime SLM 5613		
Shale-Shells		1255	1280	Casing set 5644 corrected measurement.		
Sand		1280	1318			
Shale	Bk	1318	1330			
Sand	Gr	1330	1367			
Shale	Gr	1367	1377			
Sand	Gr	1377	1416			
Shale		1416	1450			
Sand		1450	1512			
Coal		1512	1515			
Sand		1515	1520			
Lime		1520	1535			

5630      5613      5834  
 830      830      830  
 -4800      -4783      5004

Grant District, Ritchie County, W. Va.

By Benedum-Trees Oil Co., Pittsburgh, Pa.

Located 4.51 mi. S. of 39° 20' and 1.20 mi. W. of 81° 10' - SW - St. Marys Quadrangle.

Elevation, 830' L.

Permit Rit-941.

Drilling commenced March 13, 1942; completed Sept. 15, 1942.

Dry hole.

According to the structure contour map, the well starts in the lower part of the Dunkard, 70 feet below the Washington Coal.

Section is based on examination by J. H. C. Martens of samples from 307 to 5663', 6498-6590', and 7165-7280', and on driller's record.

Record to RCT from Martens April 23, 1945.

Top.	Bottom.	Thickness.	PENNSYLVANIAN, 1280+ FEET
307	- 314	7	Siltstone, green, micaceous
314	- 324	10	Shale, red and green, with limestone nodules
324	- 337	13	Shale, red
337	- 350	13	Limestone, green, fine, slightly calcareous, 60%; green and red shale, 40%
350	- 353	3	Limestone, gray to brown, silty
353	- 359	6	Clay, gray, 40%; very light brown limestone, 40%; black shale with trace of coal, 20%
359	- 362	3	Shale, green, very silty
362	- 367	5	Siltstone, green
367	- 380	13	Siltstone and silty shale, gray, micaceous
380	- 390	10	Coal, 40%; light-gray shale and clay, 50%; light-brown limestone, 10%
390	- 400	10	Coal, 40%; light-gray shale and clay, 40%; light-brown limestone, 20%
400	- 408	8	Limestone, light-gray to brownish, pyritic
408	- 416	8	Clay and soft shale, red, calcareous
416	- 462	46	Siltstone, green, micaceous, with siderite spherulites; also some green shale; small amounts of calcareous material
462	- 483	21	Sandstone, light-green, fine to very fine, micaceous
483	- 498	15	Shale or mudstone, red, yellow, gray, and dark-gray, highly calcareous
498	- 506	8	Shale, red, 50%; green calcareous siltstone and fine sandstone, 50%
506	- 518	12	Shale, red; also some green shale and light-brown limestone
518	- 542	24	Clay, red and yellow, with much impure limestone
542	- 570	28	Shale, red, with a few calcareous nodules
570	- 576	6	Clay, red and yellow, with limestone nodules
576	- 581	5	Limestone, nearly white, very fine textured
581	- 618	37	Clay, red and yellow, with limestone nodules
618	- 625	7	Limestone, light-gray, very fine textured, clayey
625	- 634	9	Sandstone, light-green, fine, calcareous
634	- 650	16	Shale, red and green, with limestone nodules
650	- 692	42	Shale, green, silty; small amount of limestone
692	- 704	12	Clay, gray, calcareous
704	- 744	40	Clay, red, calcareous; many small limestone nodules
744	- 751	7	Shale, green, calcareous
751	- 765	14	Sandstone, green, fine, silty, calcareous
765	- 792	27	Clay, red and yellow, calcareous; many small limestone nodules
792	- 800	8	Siltstone, light-green
800	- 812	12	Shale and siltstone, grayish-green
812	- 818	6	Shale, green
818	- 834	16	Siltstone and silty shale, dark-gray

(OVER)

Top.	Bottom.	Thickness.	
834	- 849	15	Sandstone, light-gray to greenish, fine, micaceous
849	- 855	6	Siltstone, gray, shaly
855	- 865	10	Shale, dark-gray
865	- 878	13	Shale, dark-gray to black, pyritic; contains fossil shells
878	- 883	5	Clay, red, calcareous, 70%; fossiliferous black shale, 25%; coal, 5%
883	- 890	7	Clay, red, calcareous
890	- 916	26	Sandstone, white, medium-grained
916	- 936	20	Shale, green, silty, with siderite spherulites
936	- 943	7	Siltstone, green, micaceous
943	- 960	17	Shale, green
960	- 966	6	Siltstone, light-gray, calcareous
966	- 975	9	Sandstone, nearly white, fine, calcareous
975	- 998	23	Siltstone, and shale, grayish-green
998	- 1007	9	Shale, light-gray, soft, not distinctly laminated
1007	- 1026	19	Siltstone, gray
1026	- 1052	26	Sandstone, white, coarse
1052	- 1057	5	Siltstone, gray
1057	- 1063	6	Shale, gray, silty
1063	- 1088	25	Siltstone, gray, shaly
1088	- 1104	16	Shale and siltstone, gray
1104	- 1112	8	Shale, light-gray, with siderite spherulites
1112	- 1135	23	Siltstone, gray, sandy
1135	- 1145	10	Shale, light-gray to nearly white; trace of coal and black shale
1145	- 1162	17	Clay or soft shale, white, silty; contains many siderite spherulites; some fragments have conchoidal fracture
1162	- 1175	13	Shale, gray, soft
1175	- 1218	43	Sandstone, light-gray to white, medium-grained
1218	- 1227	9	Shale, dark-gray, silty
1227	- 1239	12	Sandstone, gray, very fine, 50%; dark-gray to black shale, 45%; coal, 5%
1239	- 1272	33	Siltstone, dark-gray, shaly
1272	- 1282	10	Sandstone, light-gray, fine
1282	- 1297	15	Sandstone, white, medium-grained (oil and gas, 1293')
1297	- 1310	13	Sandstone, gray, with black streaks, fine
1310	- 1330	20	Shale and siltstone, gray to dark-gray
1330	- 1400	70	Sandstone, white to light-gray, medium-grained
1400	- 1420	20	Shale, dark-gray, silty
1420	- 1429	9	Siltstone, gray
1429	- 1439	10	Shale, black, silty
1439	- 1500	61	Sandstone, nearly white, medium- to fine-grained; contains small specks of mica, chlorite, siderite, and carbonaceous material
1500	- 1514	14	Coal and black shale, 50%; gray siltstone, 30%; coarse white sandstone, 20% (coal at 1512-1515' in record)
1514	- 1524	10	Sandstone, light-gray, very fine
1524	- 1563	39	Sandstone, white, coarse to very coarse, nearly all quartz; some rust stains on grains, 1535-1551' (oil and gas, 1535-1558'; salt water, 1558-1577')
1563	- 1575	12	Sandstone, white, medium-grained, nearly all quartz
1575	- 1587	12	Sandstone, white to brown, fine, 40%; nearly white shale, 30%; black shale, 25%; siderite, 5%
			GREENBRIER LIMESTONE, 68 FEET
1587	- 1603	16	Limestone, very light brown
1603	- 1608	5	Limestone, very light brown, 90%; green shale, 10%
1608	- 1613	5	Limestone, very light brown, somewhat oolitic

(Continued on page 3)

Top.	Bottom.	Thickness.	
1613	- 1617	4	Limestone, very light brown, sandy
1617	- 1627	10	Sandstone, white and light-brown, fine, calcareous
1627	- 1632	5	Limestone, very light brown, oolitic
1632	- 1640	8	Limestone, nearly white, oolitic, slightly sandy
1640	- 1655	15	Limestone, nearly white, very sandy; larger grains are rounded and frosted; slightly dolomitic, 1645-1655'
POCONO FORMATION, 500 FEET			
1655	- 1662	7	Sandstone, nearly white, fine
1662	- 1670	8	Siltstone, light-gray, sandy, with siderite spherulites
1670	- 1720	50	Sandstone, white, with green and brown specks, fine
1720	- 1746	26	Sandstone, white, fine- to medium-grained; a little dark shale and siltstone, 1731-1746'
1746	- 1755	9	Sandstone, white, coarse
1755	- 1777	22	Shale, dark-gray, silty
1777	- 1787	10	Shale and siltstone, dark-gray
1787	- 1792	5	Sandstone, light-brown, very fine, dolomitic
1792	- 1796	4	Sandstone, light-brown, fine, calcareous and dolomitic
1796	- 1807	11	Sandstone, light-gray, very fine
1807	- 1822	15	Shale, dark-gray, with sandy streaks.
1822	- 1834	12	Shale and siltstone, gray
1834	- 1850	16	Siltstone, light-gray
1850	- 1860	10	Sandstone, very light gray, very fine, moderately calcareous
1860	- 2008	148	Siltstone and shale, gray; siltstone predominates in most samples and the greater part of the shale is silty
2008	- 2144	136	Shale, gray, silty, 70%; lighter gray siltstone, 30%; last sample marked 2130-2144' contains about 10% of very dark gray shale
2144	- 2155	11	Shale, very dark gray, 20%; nearly white, very fine sandstone with specks of pyrite, 10%; gray siltstone with some silty shale, 70% (Sunbury Shale and Berea Sandstone; unless some of the siltstone belongs with the Berea, the Berea is estimated to be about one foot thick and to be at or a little above 2150')
DEVONIAN SHALES, 2458 FEET			
2155	- 2327	172	Siltstone, gray to grayish-green, shaly, slightly calcareous; contains a few fossil shells
2327	- 2350	23	Siltstone, gray to grayish-green, as above, 90%; grayish-red siltstone, 10%
2350	- 2397	47	Siltstone, gray to grayish-green
2397	- 2430	33	Siltstone, gray to grayish-green, 70%; grayish-red siltstone and silty shale, 30%
2430	- 2482	52	Siltstone, grayish-green, 70 to 80%; gray shale, 30 to 20%
2482	- 2510	28	Siltstone, grayish-green, shaly, 80%; grayish-red siltstone, 20%
2510	- 2537	27	Shale, gray, silty, 70%; gray siltstone, 30%
2537	- 2579	42	Siltstone, gray, green, and white, 70 to 80%; gray and grayish-red shale, 30 to 20%; some very fine sandstone included with siltstone
2579	- 2665	86	Siltstone, gray and green; small amounts of gray shale
2665	- 2680	15	Shale, grayish-green, very silty
2680	- 2982	302	Siltstone, gray to grayish-green, 60 to 80%; gray, silty shale, 40 to 20%
2982	- 2995	13	Shale, gray, very silty
2995	- 3100	105	Siltstone, gray, fine, shaly, 60 to 80%; gray shale, 40 to 20%
3100	- 3242	142	Shale, gray, a little darker than that above, interstratified with small amounts of siltstone
3242	- 3340	98	Shale and siltstone, gray; very similar to interval above, but amount of siltstone is larger and varies from 30 to 50%

Top.	Bottom.	Thickness.	
3340	- 3616	276	Siltstone, gray to light-brown, mostly shaly, 50 to 60%; gray shale, 40 to 20%; very dark gray shale, 10 to 30%
3616	- 3765	149	Shale and siltstone, gray; average composition is about 50% each of shale and siltstone, but there are considerable variations from this in individual samples
3765	- 3777	12	Siltstone, gray and light-gray, shaly
3777	- 3869	92	Siltstone, gray, shaly, 70 to 80%; gray shale, 30 to 20%
3869	- 3975	106	Shale, gray; small amounts of gray siltstone and very dark gray shale
3975	- 3994	19	Shale, gray, 50%; gray to light-brown siltstone, 35%; very dark gray shale, 15%
3994	- 4525	531	Shale, dark-gray, with some lighter gray interbedded siltstone; small veins of dolomite, 4253-4270' and 4341-4354' (variations in color and texture in individual samples from 3994 to 5613' not described in detail)
4525	- 4572	47	Shale, dark-gray, with some lighter gray siltstone and a few fragments of brown to gray fine-textured limestone
4572	- 5200	628	Shale, dark-gray to very dark gray; small amount of fine siltstone
5200	- 5506	306	Shale, black to dark-gray
5506	- 5620	114	Shale, black
5620	- 5630	10	Shale, black, 80%; brown fossiliferous limestone, 20%
5613			HUNTERVILLE CHERT, 221 FEET
5613			Depth corrected from 5630 to 5613' by SIM
5613	- 5642	29	No sample
5642	- 5650	8	Limestone, brown, with a little chert, 60%; black shale, 40%
5650	- 5663	13	Limestone, brown, very cherty, 50%; black shale, 50%
	5834		Bottom of "Corniferous Lime" in record
			ORISKANY SANDSTONE, 77 FEET
5834	- 5911	77	Sand (show of gas, 5849-5850')
			HELDERBERG, SALINA, AND LOCKPORT, 1420 FEET
5911	- 6498	587	No samples
6498	- 6523	25	Dolomite-anhydrite rock, brown, very fine textured
6523	- 6528	5	Salt, nearly pure
6528	- 6575	47	Salt, with some dolomite and anhydrite
6575	- 6588	13	Salt and anhydrite
6588	- 6598	10	Dolomite, brown, very fine textured, with some salt and anhydrite
6598	- 6606	8	Lime (no samples to 7165'; information from diller's record)
6606	- 6621	15	Salt
6621	- 7055	434	Lime
7055	- 7088	33	Sand
7088	- 7165	77	Lime (salt water, 7070 to 7079')
7165	- 7206	41	Dolomite, brown to gray, 60 to 80%; dark-gray to black shale, 40 to 20%
7206	- 7280	74	Dolomite, brown, very finely crystalline
7280	- 7331	51	No samples; recorded as lime
	7331		Total depth