



Company Philadelphia Oil Co.  
 Address 608 Union Bank, Clarksburg, W. Va.  
 Farm Stephen Tennant  
 Tract Acres 50.2 Lease No. 21037  
 Well (Farm) No. 1 Serial No. 5410  
 Elevation (Spirit Level) 1491 L.  
 Quadrangle Mannington EC.  
 County Monongalia District Clay  
 Engineer James D. Joffries  
 Engineer's Registration No. \_\_\_\_\_  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 1-27-38 Scale 1"-300'

STATE OF WEST VIRGINIA  
 Department of Mines  
 OIL AND GAS DIVISION  
 CHARLESTON

WELL LOCATION MAP  
 File No. MON-105

+ 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

WELL RECORD

Permit No. Mon-105

Oil Well

Mannington N. E. 4<sup>th</sup> Quad.

CASING & TUBING

Company	Philadelphia Oil Co.	16 Wood	16'
Address	Clarksburg, W. Va.	13	145 145
Farm	Stephen Tennant, et al	10	1187 1187
Location	Mann. N.E.4-4 Acres 50.2	8-1/4	2129 2129
Well No.	5410 Elev. 1491	6-5/8	2612 2612
District	Clay County Monongalia		
Surface	Miss Dolly Wilson, Fairview, W. Va.	COAL ENCOUNTERED AT:	
Mineral	Stephen Tennant et al, Fairview, W.Va.	Feet	Inches
Commenced	March 30, 1938 Completed June 4, 1938	782	24
Oil	3 bbls. 1st 24 hrs.	1057	72
Fresh Water	110, 1063 and 1159'	1152	84
Salt Water	2557 feet		

Formation Color <sup>Mar</sup> S TOP Base Result					Formation Color <sup>Mar</sup> S TOP Base Result				
Clay	Yel.	S	20	20	Slate&Shells	Dark	S	2650	2704
Slate	White	"	20	200	Lime	White	H	2704	2719
Lime	"	H	200	220	Berea	"	"	2719	2742
Red Rock	Red	S	220	250	Slate&Shells	Dark	S	2742	2944
Slate	White	S	250	315	Gantz Sand	White	H	2944	2965
Lime	"	H	315	350	Slate&Shells	"	H&S	2965	3030
Slate	"	S	350	650	Sand	"	H	3030	3047
Lime	"	H	650	705	Slate	"	S	3047	3072
Bluff Sand	"	"	705	771	Fifty Foot	"	H	3072	3112
Slate	Dark	S	771	782	Slate	Dark	S	3112	3120
Fairview Coal	"	"	782	784	Thirty Foot	Light	H	3120	3145
Lime	White	H	784	912	Slate	"	S	3145	3160
Slate	Dark	S	912	920	Lime	"	H	3160	3192
Lime	White	H	920	1018	Sand	"	H	3192	3235
Slate	Dark	S	1018	1057	Red Rock	Red	S	3235	3240
M.T. Coal	"	"	1057	1063	Sand	White	H	3240	3255
Slate	"	"	1063	1068	Lime Shells	"	H	3255	3267
Lime	White	H	1068	1145	Sand	"	H	3267	3294
Slate	Dark	S	1145	1152	Slate&Shells	Red	S	3294	3304
Pgh. Coal	Black	"	1152	1159	Gordon Stray	Light	H	3304	3320
Slate	Dark	"	1159	1168	Slate&Shells	Dark	S&H	3320	3347
Lime	White	H	1168	1221	Gordon Sand	White	H	3347	3378
Slate&Shells	"	S	1221	1297	Shells	Dark	S	3378	3390
Lime	"	H	1297	1337	4th Sand	White	H	3390	3433
Red Rock	Red	S	1337	1345	Slate	White	S	3433	3452
Slate	Dark	S	1345	1355	Lime	"	H	3452	3475
Red Rock	Red	S	1355	1365	5th Sand	"	H	3475	3488
Slate&Shells	Dark	S	1365	1375	Slate&Shells	"	H&S	3488	3559
Red Rock	Red	"	1375	1385	Lime Shells	Light	"	3559	3562
Slate&Shells	Dark	S	1385	1448	Slate	"	"	3562	3574
Lime	White	H	1448	1522	6 yard Sand	"	"	3574	3583
Slate	Dark	S	1522	1532	Slate&Shells	"	"	3583	
Lime	White	H	1532	1580	Total Depth				3661
A. Dunkard	"	H	1580	1597					
Slate	Dark	S	1597	1605	Water	110'	3	bailers hour.	
B. Dunkard	White	H	1605	1616	Water	1062'	1	bailer hour. S.L.	1150
Slate&Shells	Dark	S-H	1616	1710	Water	1159'	5	bailers hr. S.L.	1180
Lime	White	H	1710	1795	Water	2557'			
Gas Sand	"	"	1795	1843					
Slate&Shells	Dark	S	1843	1952	Sh. Oil	2557'		S.L. 2582'	
1st S. Sand	White	H	1952	1977	Sh. Oil	3045'			
Slate&Shells	Dark	H-S	1977	2065	Gas	3074'			
2nd S. Sand	White	H	2065	2084	Gas	3126'	10/10 W 2"	S.L.	3130'
Slate&Shells	Dark	S	2084	2116					
3rd S. Sand	White	H	2116	2172					
Slate	Dark	S	2172	2207					
Red Rock	Red	S	2207	2250					
Slate & Shells	Wh.	H-S	2250	2282					
Lime	White	H	2282	2295					
Red Rock	Red	S	2295	2320					
Slate&Shells	Dark	S-H	2320	2364					
Little Line	White	H	2364	2372					
Slate	Dark	S	2372	2380					
Big Line	White	H	2380	2433					
Big Injun	"	H	2433	2650					