

LATITUDE 37° 17' 30"



LONGITUDE 101° 02' 18"

7'5 OGIS topo location

7.5' loc	<u>0.59 S</u>	15' loc	<u>3.47 S</u>
	<u>1.83 W</u>	(calc.)	<u>1.83 W</u>

Company _____

Farm _____

welsh SE

Quad GARY 7 1/2'

County Mc DOWELL

District BIG CREEK

WELL LOCATION MAP

File No. 047-1011

1-0 (0) Deep well

3.4 mi S. 37°20'
1.9 mi W. 81°30'

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
WELL RECORD

Permit No. McD -1
Welch-Quad. SE
Company
Address
Farm
Location
Well No.
District
Surface
Mineral
Commenced
Completed
Not shot
Volume

Ohio - Vol. XVI
Penn Oil Gas Co.
223-4th Ave. Pittsburgh, Pa.
Pocahontas Coal & Coke Co. A 1200
Long Branch
1 Elev. 2060
Big Creek McDowell
Pocahontas C&C Co.
Roanoke, W.Va.
Same
1932
1933
Well Abandoned

--- Well
CASING & TUBING

15 1/2	57
12	625
10	1452
8 1/2	2410

No coal encountered

Sandy Clay	0	30	Shale & Hard Shells	3975	4040
Sand Bl	30	50	Sand	4040	4068
Lime H	50	60	Shale, Shells Dk	4068	4465
Red Rock	60	89	Sand Gr	4465	4471
Lime -Slate Bl V.H	80	250	Lime H	4471	4504
Shale, Slate Bl	250	510	Slate & Shells, H. Lime Shls	4504	4970
Lime H	510	525	Lime Sandy	4970	5025
Sand Lt H	525	624	Shale & Hard Shells	5025	5140
Slate(Shale)	624	625	Sand Dk	5140	5145
Lime Dk	625	650	Shale & H. Shells	5145	5195
Red Rock	650	665	Shale & Shells	5195	5260
Lime Red	665	725	Shale	5260	5325
Lime Bl	725	805	Slate (Gray) & Shells	5325	5355
Slate	805	815	Slate Dk	5365	5365
Lime	815	865	Lime Shell Dk	5365	5370
Shale	865	875	Slate Dk	5370	5384
Shale Red	875	1080	Shale Gr shells	5384	5413
Lime Dk	1080	1100	Lime Shell, Slate Dk & H L.	5413	5510
Sand Gr	1100	1166	Lime Dk H	5510	5525
Slate & Shells R VH	1106	1230	Slate Dk	5525	5560
Sand Dk	1230	1285	Shale Gr	5560	5690
Slate & Shells	1285	1307	Lime Gr Firm	5690	5710
Sand Gr H	1307	1315	Grit Dk H	5710	5725
Shale Dk	1315	1335	Grit Gr H	5725	5733
Slate & Shells	1335	1406	Shale Dk	5733	5760
Slate	1406	1420	Lime Gr Firm	5760	5796
Lime Gr	1420	1435	Slate Dk & Shells	5796	5845
Sand Wh VH	1435	1451	Shale Dk Limey	5845	6065
Slate, Lime, Shell H	1451	1550	Slate Bk	6065	6147
Sand Wh H	1550	1560	Lime H Shell	6147	6150
Lime & Shale	1560	1665	Shale Bk - Messing	6150	6470
Sand Gr	1665	1695	Lime Dk H	6470	6494
Slate & Shells Pink	1695	1805	Shale Bk	6494	6535
Lime H	1805	1818	Lime Bk	6535	6586
Slate Bk S	1818	1823	Sand Dk Gr	6586	6592
Sand Gr	1823	1852	Sand Dk Gr VH	6592	6598
Slate, Shells	1852	2180	Sand Gr H	6598	6639
Lime	2180	2315	Spudded in 4-30-32; 250-335 casing slightly		
Slate & Shells	2315	2375	544-546 looks like water sand; reduced		
Lime Dk	2375	2475	hole to 10" at 1406' reamed to 1452 a/c		
Slate	2475	2505	bad hole-1446'; show gas at 1446; Sh. gas		
Lime Dk & Wh H	2505	3165	2209-2315', 30,000 C.F.; sh. gas SLM 3394'		
Shale Dk	3165	3295	Gas 213,000 at 3954'; hole casing slightly		
Sand Pink	3295	3305	5560-5515; reduced hole at 5719 and		
Sand Gr	3305	3330	later reamed.*Tools blown 115' up in hole		
Slate	3330	3345	and stuck; Cut line and fished out. Gas		
Shale Dk	3345	3390	odor changed.*6150-6470. Top Oriskany		
Sand Dk	3390	3396	6604'-stuck bit at 6639-could not remove		
Slate & Shale	3396	3458	Set whipstock but could not remove. Set		
Lime-Shells & Slate	3458	3487	whipstock but could not drill past a/c		
Sand Gr	3487	3501	hard formation. No formations shot. Shots		
Shale & Lime Shells H	3501	3552	used only to loosen tools. Produced gas		
Shale	3552	3585	at 3954' but not considered of commercial		
Slate	3585	3661	value.		
Shale	3661	3985			
Sand	3985	3975			

213 Mcf - Vol. XVI

See Vol. XVI, P. 614.

Deep Well

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

Permit No. McD -1
Quad.

--- Well
CASING & TUBING

Company	Penn Oil Gas Co.	152	57
Address	223-4th Ave. Pittsburgh, Pa.		
Farm	Pocahontas Coal & Coke Co. A 1200	12	625
Location	Long Branch	10	1452
Well No.	1 Elev. 2060	8 1/2	2410
District	Big Creek MdDowell		
Surface	Pocahontas C&C Co.		
Mineral	Roanoke, W.Va.		No coal encountered
Commenced	Same		
Completed	1932		
Not shot	1933		
Volume	Well Abandoned		

Sandy Clay	0	30	Shale & Hard Shells	3975	4040
Sand Bl	30	50	Sand	4040	4068
Lime H	50	60	Shale, Shells Dk	4068	4465
Red Rock	60	80	Sand Gr	4465	4471
Limo -Slate Bl V.H	80	250	Lime H	4471	4504
Shale, Slate Bl	250	510	Slate & Shells, H. Lime Shls	4504	4970
Limo H	510	525	Lime Sandy	4970	5025
Sand Lt H	525	624	Shale & Hard Shells	5025	5140
Slate(Shale)	624	625	Sand Dk	5140	5145
Lime Dk	625	650	Shale & H. Shells	5145	5195
Red Rock	650	665	Shale & Shells	5195	5260
Lime Red	665	725	Shale	5260	5325
Limo Bl	725	805	Slate (Gray) & Shells	5325	5355
Slate	805	815	Slate Dk	5365	5365
Limo	815	865	Lime Shell Dk	5365	5370
Shale	865	875	Slate Dk	5370	5384
Shale Red	875	1080	Shale Gr shells	5384	5413
Limo Dk	1080	1100	Lime Shell, Slate Dk & H L.	5413	5510
Sand Gr	1100	1106	Lime Dk H	5510	5525
Slate & Shells R VH	1106	1230	Slate Dk	5525	5560
Sand Dk	1230	1285	Shale Gr	5560	5690
Slate & Shells	1285	1307	Lime Gr Firm	5690	5710
Sand Gr H	1307	1315	Grit Dk H	5710	5725
Shale Dk	1315	1335	Grit Gr H	5725	5733
Slate & Shells	1335	1406	Shale Dk	5733	5760
Slate	1406	1420	Lime Gr Firm	5760	5796
Limo Gr	1420	1435	Slate Dk & Shells	5796	5845
Sand Wh VH	1435	1451	Shale Dk Limey	5845	6065
Slate, Lime, Shell H	1451	1550	Slate Bk	6065	6147
Sand Wh H	1550	1560	Lime H Shell	6147	6150
Lime & Shale	1560	1665	Shale Bk	6150	6470
Sand Gr	1665	1695	Lime Dk H	6470	6494
Slate & Shells Pink	1695	1805	Shale Bk	6494	6535
Limo H	1805	1818	Lime Bk	6535	6586
Slate Bk S	1818	1823	Sand Dk Gr	6586	6592
Sand Gr	1823	1852	Sand Dk Gr VH	6592	6598
Slate, Shells	1852	2180	Sand Gr H	6598	6639
Limo	2180	2315	Spudded in 4-30-32; 250-335 casing slightly		
Slate & Shells	2315	2375	544-546 looks like water sand; reduced		
Limo Dk	2375	2475	hole to 10" at 1406' reamed to 1452 a/c		
Slate	2475	2505	bad hole-1446'; show gas at 1446; Sh. gas		
Limo Dk & Wh H	2505	3165	2209-2315', 30,000 C.F.; sh. gas SLM 3394'		
Shale Dk	3165	3295	Gas 213,000 at 3954'; hole casing slightly		
Sand Pink	3295	3305	5560-5515; reduced hole at 5719 and		
Sand Gr	3305	3380	later reamed.*Tools blown 115' up in hole		
Slate	3380	3345	and stuck; Cut line and fished out. Gas		
Shale Dk	3345	3390	odor changed.*6150-6470. Top Oriskany		
Sand Dk	3390	3396	6604'..stuck bit at 6639-could not remove		
Slate & Shale	3396	3453	Set whipstock but could not remove. Set		
Lime-Shells & Slate	3453	3487	whipstock but could not drill past a/c		
Sand Gr	3487	3501	hard formation. No formations shot. Shots		
Shale & Lime Shells H	3501	3552	used only to loosen tools. Produced gas		
Shale	3552	3585	at 3954' but not considered of commercial		
Slate	3585	3661	value.		
Shale	3661	3985			
Sand	3985	3975			

Penn-Ohio Gas Company
 223-4th Address
 Pittsburgh, Pa.

COMPLETION DATA SHEET
 NO. 2
 FORMATION RECORD

MCD-1

Name	Color	Character	Oil, Gas or Water	Top	Bottom	Thickness	Total Depth	Remarks
Lime (Shells)				1525	1550			
Sand	White	Hard		1550	1560			
Lime & Shale				1560	1665			
Sand	Grey			1665	1695			
Slate & Shells				1695	1733			
Shells	Pink			1733	1745			
Shale	Red			1745	1750			
Slate & Shells				1750	1805			
Lime		Hard		1805	1818			
Slate	Blk.	Soft		1818	1823			
Sand	Grey			1823	1852			
Slate				1852	1880			
Slate & Hrd. Lime Shells				1880	2040			
Slate & Shells				2040	2180			
Lime				2180	2255			
Lime		Hard		2255	2315			(Show Gas 2209-2315)
Slate & Shells				2315	2375			(about 30,000 cu.ft.)
Lime				2375	2410			
Lime	Dark			2410	2475			(Set 8" at 2410')
Slate				2475	2505			
Lime		Hard		2505	2540			
Lime	Dark			2540	2575			
Lime				2575	2880			
Lime	White			2880	3005			
Shale	Dark			3005	3165			
Sand	Pink			3165	3295			
Sand	Grey			3295	3305			
Slate				3305	3330			
Shale				3330	3345			
Shale	Dark			3345	3375			
Sand	Dark			3375	3390			
Slate & Shale				3390	3396			(Show gas SLM 3394')
Lime-Shells & Slate				3396	3458			
Sand	Grey			3458	3487			
Shale & Lime Shells				3487	3501			
Limey Shell (hard)				3501	3524			
Shale				3524	3552			
Slate				3552	3585			
Shale				3585	3661			
Sand	Brown			3661	3935			
Shale & Hrd. Shells				3935	3975			(Gas-213,000 at 395)
Sand	Dark			3975	4040			
Shale				4040	4068			
Shale & Shells				4068	4075			
Shale	Dark			4075	4310			
Sand	Grey			4310	4465			
				4465	4471			

shot
 Well was not shot at feet; well was shot at feet.
 Salt
 Fresh water at feet; fresh water at feet.
 producing
 Well was hole.
 dry

Approved
 Date Owner

NOTE: All bottom formations must be noted as indicated above and all key-rocks and oil and gas sands must be recorded under their proper geological names in the district as well as any local names commonly used in the district for such strata.

SEP 27 1933

Penn-Ohio Gas Company

COMPLETION DATA SHEET

223-4th Ave. Address

NO. 2

FORMATION RECORD

Pittsburgh, Pa.

(3) *mc-1*

Name	Color	Character	Oil, Gas or Water	Top	Bottom	Thickness	Total Depth	Remarks
Lime		Hard		4471	4504			
Slate & Shells				4504	4645			
Shale & Shells				4645	4725			
Shale & Slate				4725	4790			
Shale & Hrd. Lime Shells				4790	4970			
Lime		Sandy		4970	5025			
Shale & Hrd. Shells				5025	5140			
Sand	Dark			5140	5145			
Shale & Hrd. Shells				5145	5195			
Shale & Shells				5195	5260			
Shale				5260	5325			
Slate (grey) & Shells				5325	5355			
Slate	Dark			5355	5365			
Lime Shell	Dark			5365	5370			
Slate	Dark			5370	5384			
Shale	Grey			5384	5413			
Lime Shell	Dark			5413	5426			
Slate	Dark			5425	5436			
Slate (dark) & Hd. Lime Shells				5436	5510			
Lime	Dark	Hard		5510	5525			
Slate (dark)				5525	5560			
Shale	Grey			5560	5690			(Hole caving slightly
Lime	Grey	Firm		5690	5710			5580'-5515')
Grit	Dark	Hard		5710	5725			(Reduced hole at 5719'
Grit	Grey	Hard		5725	5733			later)reamed).
Shale	Dark			5733	5750			
Lime	Gray	Firm		5750	5796			
Slate (drk.) & Shells				5796	5845			
Shale	Dark	Limey		5845	5930			
Shale	Dark			5930	5980			
Shale	Dark & Shells			5980	6065			
Slate	Blk.			6065	6130			
Slate	Blk.			6130	6147			
Lime (Hrd.) - Shell				6147	6150			
Shale	Blk.			6150	6470			Tools blown 115' up
Lime	Dark	Hard		6470	6484			hole and stuck.
Lime	Dark	Very hrd.		6484	6494			Cut line and fished
Shale	Blk.			6494	6535			Gas odor changed.
Lime	Blk.			6535	6845			
Lime	Hrd.			6545	6560			
Lime	Dark	Hard		6560	6586			
Sand	Dark grey.			6586	6592			
Sand	" "	Very hrd.		6592	6598			
Sand	Gray	Hard		6598	6639			Top Oriskany 6604'
								Stuck bit at 6639- could
								not remove. Set whip
								stock but could not
								past a/c hard format

No formations shot. Shots used only to loosen tools. S.D.

Well was not shot at _____ feet; well was shot at _____ feet.

Salt _____ salt
Fresh water at _____ feet; fresh water at _____ feet.

Well was producing hole. Produced gas at 3954' but not considered of commercial value.
dry

Sept. 25, 1933 Date Approved By *[Signature]* Vice Pres. & Gen. Manager
Owner

NOTE: All bottom formations must be noted as indicated above and all key-rocks and oil and gas sands must be recorded under their proper geological names in the district as well as any local names commonly used in the district for such strata.

P/499cd - 8/16/34

SEP 27 1933