

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

Permit No. BOC-479
- Quad.

Gas Well

Company The Pure Oil Co.,
Address Box 551, Newark, Ohio
Farm Federal Coal Co. ACRES 11,849
Location Laurel Creek of Coal River
Well No 88 ELEV. 1004.15
District Sherman - Boone County
Surface & Mineral Federal Coal Co., Charleston, W. Va.
Commenced 1/9/41 - completed 4/23/41
Shot May 4 & 20, 1941 - depth 4156-4780
3152-3645½

Open Flow 4.5/10 W in 5-3/16 inch
Volume 1,914,000 c.f.
Rock Pressure 208 - 24 hrs.
Fresh Water 333,336,1007
Salt Water 1211-1220,1331-1333,1412-1417,1645

CASING & TUBING

10	24	24
8-1/4	439	439
6-5/8	1473	1473
5-3/16	1994	1994
3		3676
Coal at:	132'	36"
	333	36

Surface	yl	s	0	15	Shale	bn	m	3529	3589	
Slate	bl	s	15	25	Lime & Slate	gr	m	3589	3874	
Lime	bl	h	25	28	Lime	gr	h	3874	4139	
Sand	wh	h	28	85	Lime&Slate	gr	m	4139	4214	
Slate	bl	s	85	90	Shale	bn	s	4214	4226	
Sand	wh	h	90	108	Lime & Slate	gr	m	4226	4271	
Sand	yl	m	108	132	Shale	bn	s	4271	4415	
Coal	bk	s	132	135	Lime & Slate	gr	m	4415	4575	
Sand	yl	m	135	153	Lime&Slate	bn	m	4575	4647	
Slate Shls	bl	m	153	333	Lime&Slate	gr	m	4647	4871	
Coal	bk	s	333	336	Shale	bn	s	4871	4946	W 333-336
Slate	bl	s	336	378	Shale	bk	s	4946	5044	2BPH
Sand	wh	m	378	433	Shale	bk & bn	s	5044	5112	
Lime	gr	s	433	471	Shale	gr	s	5112	5130	
Sand	wh	m	471	551	Shale	bk	s	5130	5176	
Lime	gr	m	551	582	Lime&Shale	gr	s	5176	5182	
Lime	bk	m	582	792	Corniferous	gr	h	5182	5186	T.D. 461
Sand	wh	m	792	923						
Trampus	yl	h	923	1032	W 1007 1½BH	Gas pocket	649-653	- not enough to gauge		
Lime	bk	m	1032	1110		Oil	1119-1120	- show only		
Salt Sand	gr	h	1110	1120		Gas pocket	1152	- not enough gauge		
Lime	bk	m	1120	1135		Gas pocket	1548	- not enough gauge		
Salt Sand	gr	h	1135	1460	W 1211-1331,	Show of gas	2497	- not enough gauge		
Lime	bk	m	1460	1500	1412	Small of oil	2906-2916			
Sand	gr	h	1500	1575		Gas	3178-3492	tested 26,825 c.f.		
Lime	bl	m	1575	1588		Gas	3529-3569	tested 350,880 c.f.		
Marion	gr	h	1588	1733	HFV 1645 &	Gas	3630-3640	increased from 93,992 c.f.		
Lime	gr	h	1733	1738	1668			to 140,111 c.f.		
Red Rock	rd	h	1738	1741		Gas	4185-4191	increased from 93,408 c.f.		
Lime	gr	h	1741	1799				to 104,463 c.f.		
Red Rock	rd	s	1799	1813		Gas	4328-4514	increased from 87,766 c.f.		
Lime	gr	m	1813	1825				to 93,408 c.f.		
Sand MAX	gr	h	1825	1830		Gas	increased	from 71,656 c.f. to		
Slate	bk	s	1830	1833				91,328 c.f. at 4647-4865		
Slate	wh	s	1833	1840						
Lime	gr	h	1840	1854		Plugged back as follows:	Filled with			
Slate	bl	s	1854	1868			clay 5186-5156; filled with cement			
Pencil Slate	bk	s	1868	1872			5156-5126; filled with clay 5126-4843.			
Little Lime	gr	m	1872	1918			Set plug at 4843.			
Slate PC	bl	s	1918	1921		Open Flow	before shot 83,040, after shot			
Little Lime	gr	m	1921	1979			350,880 c.f. Found hole bridged at 2950.			
Big Lime	gr	h	1979	2186		Drove to	4076 and cleaned out to 4670,			
Slate Shells	gr	m	2186	2193			where cavings came in and buried tools.			
Injun 365	rd	h	2193	2215		Cut line	and ran tools which stopped at			
Slate Shells	gr	m	2215	2314			4507. Set bridge 3670 and filled with			
Feir	gr	m	2314	2499			clay to 3648. Open flow before second shot			
Slate Shells	gr	m	2499	2633			67,392 - after shot 1,914,000 c.f. 30 min.			
Shale	bn	s	2633	2645		R.P.	while connecting in line was 100#.			
Berea	gr	h	2645	2646		Hole	continued to cave from 4350 and hole			
Lime	bk	h	2646	2659			was plugged with clay to 3792. Set rock			
Lime	bk	m	2659	2870			bridge at 3792 and filled to 3676 with clay			
Lime Shells	gr	h	2870	3529			and tamped rock on top of clay. Ran 3" tbg.			
							with packer set 2829.			

15
25
35
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