

LATITUDE

3945

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LONGITUDE

LONGITUDE

OGIS  
7.5' loc

7.5 OGIS topo location

7.5' loc 2.21S  
0.95W

15' loc 2.21S  
(calc.) 0.95W

Company \_\_\_\_\_

Farm \_\_\_\_\_

LOCATION MAP

Quad Osage Blacksville, NE

County \_\_\_\_\_

District Carr

WELL LOCATION MAP

File No. MON. 79

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

W E L L R E C O R D

Permit No. Mon-79

Gas Well

Company - Carnegie Natl Gas Co. CASING & TUBING PACKER  
 Address - 1014 Frick Bldg. Pittsburgh, Pa. Kind- O.W.S.Hook Wall  
 Farm - L. D. Boyles. Acres- 60 Location - Robinson Run 10 486' Size- 6-5/8" x 3"-  
 Well No. - 1-E-1495. Elev.Bar.1230' 8 1/4 1388' 10"  
 District - Cass. County-Monongalia 6-5/8 1686 Depth- 11/20/36  
 Surface - L. D. Boyles 3 2413' Perf.top- 1875'  
 Address - Maidsville, W.Va. R. 1 Perf.Bottom- 1885'  
 Mineral - same Perf.top- 2330'  
 Address - same Perf.Bottom- 2341'  
 Drilling - Commenced- 8/11/36 2402-2412'  
 Completed- 11/5/36  
 Open Flow - 199,984 Cu.Ft. Casing cemented 10" size 486' 9/3/36  
 Rock Pressure-  
 Oil - Coal encountered- 79' 338' 440'  
 Fresh Water- 105' 400-403' 1208' & 1275'  
 Salt Water - 1350; 1365; 1400'

Formation	Color	Top	Bottom	Results	Formation	Color	Top	Bottom	Results
Surface	Brn	0	14		Shale	Dark	1212	1222	
Shale	Blk	22	32		Slate	Whi. H	1222	1243	
Lime		32	70		Lime	H	1243	1275	
Shale	Blk	70	79		Coal	Blk.	1275	1281	
Coal (Wbg.)	Blk	79	84		Shale	Blk.	1281	1308	
Lime Stone		84	135	3 blrs	Sand-		1308	1450	Water
Shale		105	155	per hr	Slate		1450	1455	1350
Lime		155	200		Lime	Sandy	1455	1475	2 blr
Shale		200	210		Slate	Dark	1475	1507	per hr
Lime		210	308		Rock	Red	1507	1515	1365
Shale		308	315		Slate	Whi.	1515	1540	filled
Lime		315	325		Rock	Red	1540	1560	500'
Slate		325	338		Slate&Lime	Whi. H	1560	1585	1400
Coal (Mpt.)	Blk	338	342		Lime	Broken	1585	1618	filled
Sand		342	345		Slate	Dark	1618	1622	700'
Shale	Dark	345	352		Little Lime		1622	1637	
Lime		352	360		Slate (P.C.)	"	1637	1648	
Shale		360	366		Big Lime		1648	1755	
Lime		366	398		Sand (Big Injun)		1755	1935	Gas
Shale	Dark	398	403	Water	Slate & Lime	Drk H	1935	2000	1875
Lime		403	420	400-	Sand	Whi.	2000	2035	
Shale		420	440	403 7	Slate & Shells		2035	2064	
Coal (Pgh)	Blk	440	446	blrs-	Sand		2064	2108	
Lime		446	475	per hr	Sl. & Shells		2108	2215	
Shale	Blk	475	486		Sand		2215	2225	
Lime		486	525		Slate		2225	2250	
Slate	White	525	540		Sand (Gantz)	Drk	2250	2270	
Lime		540	550		Slate	Whi. H	2270	2335	
Sand		550	570		Gas		2335	2346	50'
Lime		570	580		Slate	Drk	2346	2365	gas
Slate		580	600		Sand		2365	2390	2338
Lime	H	600	635		Slate	Drk	2390	2398	
Sand		635	675	Murphy	Sand	Gray H	2398		
Slate	White	675	755		Total Depth			2413	
Rock	Red	755	780						
Slate	White	780	863						
Lime	"	863	873						
Rock	Red	873	880						
Sand		880	890						
Lime	Shale	890	908						
Sand (L.D.)		908	945						
Sand (B.D.)		945	985						
Slate	White	985	1005						
Sand (Gas)	H	1010	1035						
Lime	Gritty	1035	1055						
1st Salt Sand		1055	1110						
Lime (1st Salt Sand)		1110	1125						
1st Salt Sand		1125	1140						
Lime	H	1140	1165						
Shale	Dark	1165	1180						
Sand		1180	1195						
Shale	Dark	1195	1208						
Coal (Kitt)	Blk	1208	1212						

L. D. BOYLES NO. 1 (E-1495) WELL.

Mon 79

Cass District, Monongalia County, W. Va.  
 By Carnegie Natural Gas Co., 1014 Frick Bldg., Pittsburgh, Pa.  
 On 60 acres, on Robinson Run; surface and minerals owned by  
 L. D. Boyles, Route 1, Madsville, W. Va.  
 Elevation, 1230' B.  
 Drilling commenced Aug. 11, 1936; completed, Nov. 5, 1936.  
 Open flow, 199,984 cu. ft.  
 Fresh water at 105, 400-403'; salt water at 1350, 1365, and 1400'.  
 10" casing, 486'; 8 1/2", 1388'; 6-5/8", 1686'; 3", 2413'.  
 O. W. S. Hook wall packer, 6-5/8 x 3 x 10, set at 1875, Nov. 20, 1936.  
 Perf. top 1875'; perf. bot. 1885'; perf. top. 2330'; perf. bot., 2341'.  
 2403-2412'.  
 Casing cemented, 10" size, 486', Sept. 3, 1936.  
 Coal was encountered at 79, 338, 440, 1208, and 1275'.  
 Gas well. Drilled under permit Mon-79.

	Top.	Bottom.
Surface, brown	0	14
Shale, black	22	32
Lime	32	70
Shale, black	70	79
Coal, Waynesburg, black	79	84
Limestone (3 bailers water per hour)	84	135?
Shale	105?	155
Lime	155	200
Shale	200	210
Lime	210	308
Shale	308	315
Lime	315	325
Slate	325	338
Coal, Mapletown (Sewickley), black	338	342
Sand	342	345
Shale, dark	345	352
Lime	352	360
Shale	360	366
Lime	366	398
Shale, dark (water, 400-403, 7 blrs. per hour)	398	403
Lime	403	420
Shale	420	440
Coal, Pittsburgh, black	440	446
Lime	446	475
Shale, black	475	486
Lime	486	525
Slate, white	525	540
Lime	540	550
Sand	550	570
Lime	570	580
Slate	580	600
Lime, hard	600	635
Sand	635	675
Slate, white	675	755
Red rock	755	780
Slate, white	780	863
Lime, white	863	873
Red rock	873	880
Sand	880	890
Lime, shale	890	908
Sand, Little Dunkard	908	945

(OVER)

## L. D. BOYLES NO. 1 (E-1495) WELL (Continued).

	Top.	Bottom.
Sand, Big Dunkard	945	985
Slate, white	985	1005
Sand (Gas), hard	1010	1035
Lime, gritty	1035	1055
1st Salt Sand	1055	1110
Lime (1st Salt Sand)	1110	1125
1st Salt Sand	1125	1140
Lime, hard	1140	1165
Shale, dark	1165	1180
Sand	1180	1195
Shale, dark	1195	1208
Coal (Kittanning), black	1208	1212
Shale, dark	1212	1222
Slate, white, hard	1222	1243
Lime, hard	1243	1275
Coal, black	1275	1281
Shale, black	1281	1308
Sand (water, 1350', 2 blrs. per hour; water, 1365', filled 500'; water, 1400', filled 700')	1308	1450
Slate	1450	1455
Lime, sandy	1455	1475
Slate, dark	1475	1507
Red rock	1507	1515
Slate, white	1515	1540
Red rock	1540	1560
Slate and lime, white, hard	1560	1585
Lime, broken	1585	1618
Slate, dark	1618	1622
Little Lime	1622	1637
Slate (Pencil Cave), dark	1637	1648
Big Lime	1648	1755
Sand, Big Injun (gas, 1875')	1755	1935
Slate and lime, dark, hard	1935	2000
Sand, white	2000	2035
Slate and shells	2035	2064
Sand	2064	2108
Slate and shells	2108	2215
Sand	2215	2225
Slate	2225	2250
Sand, Gantz, dark	2250	2270
Slate, white, hard	2270	2335
Gas? 50' (gas, 2338')	2335	2346
Slate, dark	2346	2365
Sand	2365	2390
Slate, dark	2390	2398
Sand, gray, hard	2398	
Total depth		2413