

LATITUDE 38' 30'

LONGITUDE 81° 37' 30"



7'5 OGIS topo location

7.5' loc 1.79
.80

15' loc 1.795
(calc.) 3.660

Company _____

Farm _____

Quad ^(SSI) Pocotalico, Charleston NC

County transylvania

District Po ca

WELL LOCATION MAP

File No. RCN - 308

Kan-308
~~208~~

- Poca District, Kanawha County, W. Va.
- By Mullins Gas Co., Box 28, Charleston, W. Va.
- Drilled under permit KAN-208-308
- On 80 acres, on Tupper Creek; surface owned by H. T. Lowe; and minerals by J. F. Cork Heirs, Capital City Bank Bldg., Charleston, W. Va.
- Elevation, 787.88' L.
- Drilling commenced 12-17-36; completed, 3-9-37.
- Shot 3-10-37, at 4914'.
- Open flow, 30/10ths Merc. in 6.336" I.D.
- Volume, 9,665,000 cu. ft.
- Rock pressure, 1840 lbs. in 48 hrs.
- No oil. Salt water at 1135'.
- 10" casing, 395'; 8 $\frac{1}{2}$ " 1702'; 6 $\frac{5}{8}$ " (6.336"), 4784'.
- Farnaco Inverted packer, 8 $\frac{5}{8}$ " set at 1792'.
- Casing cemented: 7" O. D. 2-22-37.
- Gas well. Record from Smith 3-29-37.

	Top.	Bottom.
Soil	0	14
Yellow clay	14	60
Red rock	60	160
White slate	160	190
Red rock	190	300
Gray slate	300	332
White sand	332	399
White slate	399	450
White sand	450	465
White slate	465	468
White lime	468	540
Sand	540	546
Slate	546	575
Sand	575	600
Slate	600	620
Lime	620	650
Slate	650	660
Lime	660	680
Sand	680	700
Slate	700	735
Sand	735	770
Slate and lime	770	820
Slate	820	830
Sand	830	890
Slate	890	915
Sand and lime	915	1025
Slate	1025	1040
Shells	1040	1045
Slate	1045	1050
Salt Sand (water fills up 1135'; thin slate)	1050	1148
Salt Sand	1150	1350
Slate (bottom Salt Sand)	1350	1368
Lime	1368	1382
Slate	1382	1410
Maxton Sand	1410	1510
Little Lime	1510	1542
Slate	1542	1560
Big Lime	1560	1730

J. F. CORK HEIRS NO. 1 WELL (Continued).

	Top.	Bottom.
Big Injun Sand	1730	- 1777
Hard shells	1777	- 1783
Slate and shells	1783	- 2270
(8 ⁵ / ₈ " casing, 1792'; gas, 2122')		
Coffee shale	2270	- 2280
Lime shells	2280	- 2283
Slate and shells	2283	- 2510
Lime	2510	- 2630
Slate	2630	- 2800
Hard lime shells	2800	- 3394
Brown shale	3394	- 3470
Black lime	3470	- 3520
White slate	3520	- 3675
Brown shale	3675	- 3705
Lime	3705	- 3755
Brown shale	3755	- 3825
Lime	3825	- 3890
Brown shale (gas, 3960')	3890	- 4025
Lime	4025	- 4205
Slate	4205	- 4245
Lime	4245	- 4325
Slate	4325	- 4375
Shale	4375	- 4428
Brown shale	4428	- 4630
Slate Lime, white	4630	- 4650
Shale, brown	4650	- 4768
Lime, Corniferous (16' in lime, Steel line, 7" O.D. casing, 4784')	4768	- 4881
Sand, Criskany, white	4881	- 4894
Sand, Criskany, dark	4894	- 4917
(gas, 4884'; no test)		
(gas, 4895 ¹ / ₂ '; 10/10 W. 1")		
(gas, 4911'; 6/10 Mer. in 4")		
Lime	4917	
Total depth		4918

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

W E L L R E C O R D

Permit No. Kan-208

Gas Well

Quad. Not Given *Charleston*

Company - Mullins Gas Company
 Address - Box 28, Charleston, W. Va.
 Farm - *J. F. Cork* Acres - 30
 Location - Tappers Creek
 Well No. - One. Elev. 787.88
 District - Poca. County- Kanawha
 Surface Address - H. T. Lowe
 Mineral Address - J. F. Cork Heirs
 Capital City Bk Bldg.,
 Charleston, W. Va.
 Drilling - Commenced- 12-17-36
 Completed- 3-9-37
 Date Shot - 3-10-37. Depth- 4914
 Open Flow - 30/10ths Merc. in 6336 I D inch
 Volume - 9665,000 cu. ft.
 Rock Press.- 1840 lbs. 48 hrs.
 Oil - None
 Fresh Water-
 Salt Water - 1135 feet

CASING & TUBING
 10 395
 8 1/4 1792
 3-5/8 6.336 4784
PACKER
 Kind - Permaco
 Inverted
 Size - 3 5/8
 Depth- 1792

ABO
12/47

Casing Cemented - Size 7" Ø D - 2/22/37

1.28 S 38° 30'
3.05 W 81° 35'

Formation	Color	Hor 5'	TOP	Bottom	Result	Formation	Color	Hor 5'	TOP	Bottom	Result
Soil			0	14		Slate			2630	2800	
Yellow Clay			14	60		Hard Lime Shells			2800	3394	
Red Rock			60	160		Brown Shale			3394	3470	
White Slate			160	190		Black Lime			3470	3520	
Red Rock			190	300		White Slate			3520	3675	
Grey Slate			300	332		Brown Shale			3675	3705	
White Sand			332	399		Lime			3705	3755	
White Slate			399	450		Brown Shale			3755	3825	
White Sand			450	465		Lime			3825	3890	
White Slate			465	468		Brown Shale			3890	4025	Gas
White Lime			468	540		Lime			4025	4205	3960
Sand			540	546		Slate			4205	4245	
Slate			546	575		Lime			4245	4325	
Sand			575	600		Slate			4325	4375	
Slate			600	620		Shale			4375	4428	
Lime			620	650		Brown Shale			4428	4630	
Slate			650	660		Slate Lime	White		4630	4650	
Lime			660	680		Shale	Brown		4650	4768	
Sand			680	700		Lime			4768	4881	
Slate			700	735		(16' in line Steel Line 7" OD Casing)					
Sand			735	770						4784	
Slate & Lime			770	820		Sand	White		4881	4894	
Slate			820	830		Sand	Dark		4894	4917	
Sand			830	890					4884	Gas No test	
Slate			890	915					4895 1/2	Gas 10/10 W. 1.1	
Sand & Lime			915	1025					4911	Gas 6/10 M. 4"	
Slate			1025	1040		Lime				4917	
Shells			1040	1045		TOTAL DEPTH				4916	
Slate			1045	1050							
Salt Sand			1050	1148	Water fills up 1135 Then Slate						
Salt Sand			1150	1350							
Slate - bottom S.S.			1350	1368							
LIME			1368	1382							
Slate			1382	1410							
Maxon Sand			1410	1510							
Little Lime			1510	1542							
Slate			1542	1560							
Big Lime			1560	1730							
Big Injun			1730	1777							
Hard Shells			1777	1783							
Slate & Shells				1783							
				1792	(3 5/8 Casing)						
				2122	GAS						
Slate & Shells			1783	2270							
Coffy Shale			2270	2280							
Lime Shells			2280	2283							
Slate & Shells			2283	2510							
Lime			2510	2630							

6-6-192