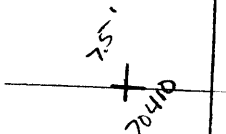


LATITUDE 39°42'30"

79°57'30"

LONGITUDE



7'5 OGIS topo location

7.5' loc	<u>2.585</u>	15' loc	<u>5.465</u>
	<u>0.17W</u>	(calc.)	<u>2.39W</u>

321A in 1912 C R T

Company _____

Farm _____

Quad Morgantown North NW

County Monongalia

District Union

WELL LOCATION MAP

File No. ^{well} 061-70410

now 061 70124

WAYNE WILSON NO. 1 WELL (321-A).

70124

was 06170410

Morgan District, Monongalia County, W. Va.

By Randall Gas & Water Co.

Completed in 1912.

On S. bank of West Run, 1 mi. southward from Van Voorhis.

Starts about 280 feet below horizon of Pittsburgh Coal.

Elevation, 925' B.

10" casing, 319' 6"; 8 $\frac{1}{4}$ "", 788' 6"; 6 $\frac{5}{8}$ "", 1053' 8".

Volume of gas not sufficient for commercial purposes. All casing pulled and hole plugged with wooden plug.

Mr. South estimates the volume of gas struck in the Ibjun Sand at 20,000 cu. ft. daily.

Record published on pp. 519-521 of Monongalia-Marion-Taylor County Report.

	Thickness.	Total.
	Feet.	Feet.
Conductor Box (surface gravel)	14 -	14
Red rock	5 -	19
Lime	15 -	34
Slate	15 -	49
Lime (water, hole full at 95')	50 -	99
Slate, white	26 -	125
Lime	15 -	140
Red rock	6 -	146
Slate, dark	5 -	151
Lime	29 -	180
Red rock	5 -	185
Lime	25 -	210
Slate	20 -	240
Coal, (Brush Creek) (some gas)	4 -	244
Lime	41 -	285
Slate, dark	5 -	290
Lime	10 -	300
Slate, white	5 -	305
Dunkard Sand (Big Dunkard)	30 -	335
Freeport Coal (Upper Freeport)	5 -	340
Slate, black	10 -	350
Slate, white	20 -	370
Lime	25 -	395
Slate, white	13 -	408
Lime, hard	8 -	416
Coal, Upper Kittanning (some gas)	4 -	420
Slate, dark	10 -	430
Gas Sand	55 -	485
Slate, black	9 -	494
Coal, (Lower Kittanning)	3 -	497
Slate	17 -	514
Sand, black, (Clarion)	10 -	524
Coal, (Clarion)	3 -	527
Slate	10 -	537
Lime	8 -	545
Sand, (Second Cow Run) (bailer full of water)	20 -	565
Slate	30 -	595
Salt Sand (hole full of water)	181 -	776
Slate, white	10 -	786
Lime	30 -	816
Sand	15 -	831
Slate	10 -	841

(OVER)

WAYNE WILSON NO. 1 WELL (321-A) Continued).

	Thickness.	Total.
	Feet.	Feet.
Lime	25	866
Sand, dark	25	891
Slate, white	8	899
Sand	5	904
Slate, white	6	910
Red rock	20	930
Lime	12	942
Slate, white	6	948
Red rock	6	954
Lime	6	960
Red rock	12	972
Slate	7	979
Lime	8	987
Slate	6	993
Red rock	10	1003
Slate	10	1013
Big Lime	81	1094
Sand, (Keener)	12	1106
Red rock	6	1112
Big Injun Sand, hard, white (1st gas at 1159'; - second gas at 1205')	93	1205
Slate	7	1212
Big Injun Sand (volume gas very small)	136	1248
Lime	52	1300
Sand, (Squaw)	20	1320
Slate	100	1420
Lime	75	1495
Slate	20	1515
Lime	55	1570
Slate shells	30	1600
Lime	64	1664
Slate	12	1676
Slate	18	1694
Sand, (Gantz)	30	1724
Slate	6	1730
Lime	21	1751
Sand, (Fifty-feet)	14	1765
Slate	79	1844
Slate and shells	28	1872
Lime	10	1882
Red rock	5	1887
Slate	8	1895
Red rock	12	1907
Slate and shells	30	1937
Red rock	6	1943
Lime	10	1953
Red rock and lime	168	2121
Sand, (Fifht)	47	2168
Slate	19	2187
Sand.....55')		
Slate..... 5) (Bayard)	68	2255
Sand..... 8)		
Slate to bottem (Aug. 15, 1912)	25 $\frac{1}{2}$	2280 $\frac{1}{2}$

the latitude of VanVoorhis, appears favorable for Big Injun gas; and (2) since the sands below the Big Injun are non-water bearing in this portion of the State, that territory lying immediately along the axis of the Connellsville syncline northeastward from Easton to the State line is favorably located from a structure standpoint for oil in the deep sands. However, the absence of gas in paying quantities in wells both to the east and west of this belt in the sands below the Big Injun and the dry hole (324) on the Ed White farm in this Basin on the east bank of Cheat renders the territory extremely problematical; in other words certain areas may be very favorably located with reference to structure for oil or gas, yet the causes leading to the genesis of these valuable hydro-carbons may never have prevailed in that region. Hence, the province of the geologist is not so much to point out producing territory as it is to discourage useless drilling.

Morgan District.

Morgan district, Monongalia county, lies immediately southwest of Union district and east of the Monongahela river, and is traversed by the same structural folds as the latter area; hence, practically the same structural conditions prevail in Morgan as in Union. Only seven wells have been drilled within its boundaries for oil and gas, all of which have proved non-paying for commercial purposes. Taking up the discussion of the logs of these wells from northwest to southeast across the district, the following is the record of a well completed during 1912 by the Randall Gas & Water Company on the south bank of West run, 1 mile southward from VanVoorhis, the log of which was furnished the Survey by W. H. South, Manager. The well mouth is about 280 feet below the horizon of the Pittsburgh coal:

Wayne Wilson No. 1 Well Record (321A).

(Elevation, 925' B-A. T.)	Thickness.	Total.
	Feet.	Feet.
Conductor box (surface gravel)	14	14
Red rock	5	19
Lime	15	34

was
061 70410
now
70124

Mon, Mar, Taylor Co. Geol. Report, 1913

	Thickness.	Total.
	Feet.	Feet.
Slate	15	49
Lime (water, hole full at 95')	50	99
Slate, white	26	125
Lime	15	140
Red rock	6	146
Slate, dark	5	151
Lime	29	180
Red rock	5	185
Lime	25	210
Slate	30	240
Coal, some gas, (Brush Creek)	4	244
Lime	41	285
Slate, dark	5	290
Lime	10	300
Slate, white	5	305
Dunkard sand (Big Dunkard)	30	335
Freeport coal, (Upper Freeport)	5	340
Slate, black	10	350
Slate, white	20	370
Lime	25	395
Slate, white	13	408
Lime, hard	8	416
Coal (some gas), Upper Kittanning	4	420
Slate, dark	10	430
Gas sand	55	485
Slate, black	9	494
Coal, (Lower Kittanning)	3	497
Slate	17	514
Sand, black, (Clarion)	10	524
Coal, (Clarion)	3	527
Slate	10	537
Lime	8	545
Sand, bailer full of water (II Cow Run)	20	565
Slate	30	595
Salt sand (hole full of water)	181	776
Slate, white	10	786
Lime	30	816
Sand	15	831
Slate	10	841
Lime	25	866
Sand, dark	25	891
Slate, white	8	899
Sand	5	904
Slate, white	6	910
Red rock	20	930
Lime	12	942
Slate, white	6	948
Red rock	6	954
Lime	6	960
Red rock	12	972
Slate	7	979
Lime	8	987
Slate	6	993
Red rock	10	1003
Slate	10	1013

	Thickness.	Total.
	Feet.	Feet.
Big Lime	81	1094
Sand, (Keener)	12	1106
Red rock	6	1112
Big Injun sand, hard and white (1st gas at 1169'; second gas at 1205')	93	1205
Slate	7	1212
Big Injun sand (volume of gas very small)	136	1248
Lime	52	1300
Sand, (Squaw)	20	1320
Slate	100	1420
Lime	75	1495
Slate	20	1515
Lime	55	1570
Slate shells	30	1600
Lime	64	1664
Slate	12	1676
Slate	18	1694
Sand, (Gantz)	30	1724
Slate	6	1730
Lime	21	1751
Sand, (Fifty-foot)	14	1765
Slate	79	1844
Slate and shells	28	1872
Lime	10	1882
Red rock	5	1887
Slate	8	1895
Red rock	12	1907
Slate and shells	30	1937
Red rock	6	1943
Lime	10	1953
Red rock and lime	168	2121
Sand, (Fifth)	47	2168
Slate	19	2187
Sand55' } (Bayard)	68	2255
Slate5 }		
Sand8 }		
Slate to bottom, Aug. 15, 1912.....	25.5	2280.5

10" casing, 319'6"; 8 1/4" casing, 788'6"; 6 3/8" casing, 1053'8".
 "Volume of gas not sufficient for commercial purposes. All casing pulled, and hole plugged with wooden plug."

Mr. South estimates the volume of gas struck in the Big Injun at 20,000 cu. ft. daily.

Two miles southwestward along the strike of the strata, Hon. D. H. Courtney just recently completed a well on the north bank of the Monongahela, opposite Mona (Granville), the log of which as furnished the Survey with some slight changes and additions in parentheses is as follows: