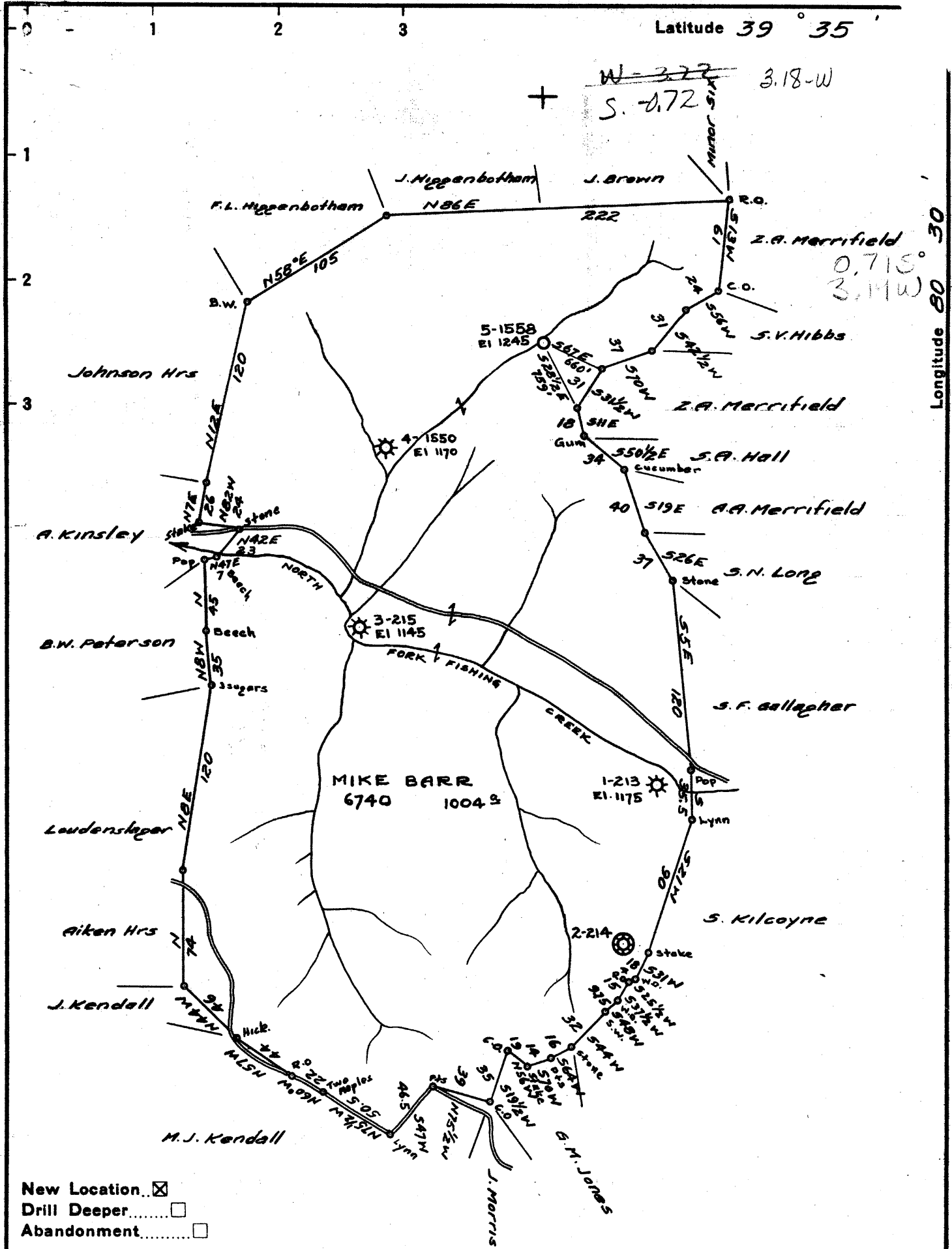


Latitude 39° 35'

+ W = 3.77
S = 0.72
3.18-W

Longitude 80° 30'



New Location
 Drill Deeper
 Abandonment

Company CARNEGIE NATURAL GAS
 Address PITTSBURGH, PA.
 Farm MIKE BARR
 Tract _____ Acres 1004 Lease No. E-6740-74
 Well (Farm) No. 5 Serial No. 1558
 Elevation (Spirit Level) 1245
 Quadrangle LITTLETON-SE
 County WETZEL District GRANT
 Engineer R.L. SWEENEY
 Engineer's Registration No. _____
 No. _____ Drawing No. _____
 Scale 1" = 40 rods

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION
 FILE NO. WET-2

+ Denotes location of well on Un Topographic Maps, scale 1 to 6 itude and longitude lines being by border lines as shown.

- Denotes one inch spaces of original tracing.

MAP DRILL DEEPER

27-6-45



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Littleton, S.E.

Permit No. WET-253-D

WELL RECORD

Oil or Gas Well Dry
(KIND)

Company Carnegie Natural Gas Company
Address 3904 Main St., Munhall, Pa. 15121
Farm Mike Barr Acres 1004
Location (waters) _____
Well No. 5-1558 Elev. 1245'
District Grant County Wetzel
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced deeper Sept. 22, 1964
Drilling completed deeper Oct. 13, 1964
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume 5,000 Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/2			
6 3/4			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Dat _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT _____
ROCK PRESSURE AFTER TREATMENT _____

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Commenced drilling deeper at 2050'							
Big Injun Slate			2002 2235	2235			
Total Depth				2241			



2241
2050
191

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

Permit No. Wet-253
Littleton S. E. Quad.

Gas Well

Company Carnegie Natural Gas Co.
Address 1014 Frick Bldg., Pittsburgh, Pa.
Farm Mike Barr ACRES 1004
Location North Fork of Fishing Creek
Well No. 5, E-1558 ELEV. Bar 1245' ? *evidently wrong*
District Grant - Wetzel County
Surface C. Ray & Virgie Hinerman, Smithfield, W. Va.
Arthur M. & Opal Prunty, Barrackville, W. Va.
Hope Constr. & Ref. Co., Clarksburg, W. Va.
Mineral
Commenced May 14, 1941
Completed July 3, 1941
Open Flow 64/10ths W in 2 inch
Volume 333,000 c.f.
Rock Pressure 655 lbs. 24 hrs.
Fresh Water 345 and 1458-1462
Salt Water 1552

CASING & TUBING
10 372 372
8-1/4 1238 1238
6-5/8 1943 1943

Packer - Anchor
Size - 8-1/4x6-5/8
Depth set - 1943
Coal at: 615, 714 & 1458

Clay	yl	s	0	10	Lime	lt	h	1085	1108	
Sand	lt	h	10	25	Slate	lt	s	1108	1126	
Slate	dk	s	25	45	Sand	lt	h	1126	1160	
Lime	lt	h	45	68	Slate	dk	s	1160	1174	
Slate	dk	s	68	85	Lime	lt	m	1174	1195	
Rock	rd	s	85	110	Slate	dk	s	1195	1227	
Slate	lt	s	110	180	Lime	lt	h	1227	1235	
Lime	lt	m	180	210	B. Dunkard	lt	h	1235	1237	SL 1238
Slate	dk	s	210	240	Slate	lt	s	1237	1316	
Lime	lt	m	240	278	Lime	lt	m	1316	1348	
Slate	dk	s	278	327	Gas Sand	lt	h	1348	1412	
Lime	lt	m	327	340	Slate	lt	s	1412	1426	
Sand	lt	m	340	365	Lime	lt	h	1426	1448	
Slate	bk	s	365	369	Slate	dk	s	1448	1458	
Lime	wh	h	369	390	Coal	bk	s	1458	1462	Gas 1458-
Slate	lt	s	390	401						1462 5,250 CF
Lime	lt	h	401	408						W 1458-1462
Sand	lt	h	408	419						1/2 BPH
Slate	lt	s	419	425	1st Salt Sand	dk	h	1462	1567	
Rock	rd	s	425	448	Slate	dk	s	1567	1595	SW 1552 HF
Slate	lt	s	448	490	Lime	dk	h	1595	1615	
Lime	lt	h	490	610	2nd Salt Sd	lt	h	1615	1768	
Slate	dk	s	610	615	Slate	lt	s	1768	1800	1940
Mapletown Coal	s		615	618	Rock	rd	s	1800	1874	
Lime	dk	h	618	714	Lime	lt	h	1874	1898	
Pgh. Coal	bk	s	714	720	Slate	lt	s	1898	1906	
Slate	dk	m	720	730	Lime	lt	h	1906	1935	
Lime	lt	h	730	748	Pencil Cave	dk	s	1935	1940	SL 1943
Slate	lt	s	748	760	Big Lime	dk	h	1940	2002	
Sand	dk	h	760	774	Big Injun			2002		
Lime	lt	h	774	790	Total Depth				2050	
Slate	dk	s	790	798	Gas 2005-2007			206 M cu ft.		
Rock	rd	s	798	805	Blowed down to			136 M cu ft		
Lime	dk	h	805	820	Gas 2026-2028			333 M cu ft		
Slate	dk	s	820	832	All gas blowed down to			222 M cu ft		
Murphy Sand	lt	h	832	857	Gas 843-847					
					24/10 W 1"			S.L. at 2005		
					50 MCF			S.L. at 2026		
Lime	dk	h	857	865	Blow down					
Slate	dk	s	865	870	to 36,500 CF					
Lime	wh	h	870	910						
Slate	dk	s	910	925						
Rock	rd	s	925	958						
Slate	dk	s	958	976						
Lime	lt	h	976	1000						
Rock	rd	s	1000	1042						
Z. Dunkard	lt	h	1042	1054						
Slate	lt	s	1054	1075						
Rock	rd	s	1075	1085						

1943
133
2073
728

3077
714
1257

MIKE BARR NO. 5 (1558) WELL.

Grant District, Wetzel County, W. Va.

By Carnegie Natural Gas Co., Pittsburgh, Pa.

Located 3.24 mi. W. of 80° 30' and 0.71 mi. S. of 39° 35' - SE - Littleton
Quadrangle.

Elevation, 1245' B.

Permit Wet-253.

Drilling commenced May 14, 1941; completed, July 8, 1941.

Gas well; volume, 333,000 cu. ft.; rock pressure, 655 lbs. in 24 hrs.

Fresh water at 345 and 1458-1462'.

Salt water at 1552'.

Coal at 615, 714, and 1458'.

10" casing, 372'; 8 1/4", 1238'; 6 3/8", 1943'.

Section based on samples from surface to 2026' examined by J. H. C. Martens.

Martens' record from samples.

Top. Bottom. Thickness.

DUNKARD GROUP, 360+ FEET

0 -	10	10	Clay, yellow
10 -	25	15	Sandstone
25 -	45	20	Shale, grayish-green, soft
45 -	68	23	Siltstone, gray to light-green
68 -	110	42	Clay, red, calcareous
110 -	235	125	Siltstone and shale, light-green, calcareous; samples also contain red clay cavings
235 -	245	10	Clay, gray, soft
245 -	255	10	Shale, black, with trace of coal
255 -	265	10	Clay, gray to dark-gray, soft
265 -	280	15	Sandstone, white to light-green, very fine
280 -	293	13	Clay, dark-gray, soft, with siderite concretions
293 -	321	28	Clay and soft shale, gray to green, partly sandy
321 -	351	30	Sandstone, white, medium- to coarse-grained
351 -	360	9	Clay, gray, soft

MONONGAHELA FORMATION, 360 FEET

360 -	387	27	Siltstone, gray, micaceous
387 -	404	17	Sandstone, nearly white, fine
404 -	418	14	Shale, green, silty
418 -	425	7	Sandstone, light-gray, fine, calcareous, micaceous
425 -	448	23	Shale, red and green, soft, calcareous
448 -	470	22	Shale, gray and red
470 -	480	10	Coal and gray shale
480 -	487	7	Shale and siltstone, light-gray; also a little light-brown limestone
487 -	511	24	Limestone, very light brown
511 -	535	24	Limestone, brown
535 -	543	8	Shale, green, silty
543 -	551	8	Shale, gray and green, soft
551 -	615	64	Limestone, light-brown; small amounts of soft greenish and gray shale
615 -	618	3	Coal (Sewickley Coal)
618 -	624	6	Limestone, brown
624 -	640	16	Siltstone, gray
640 -	714	74	Limestone, brown to light-brown; some gray and green soft shale throughout
714 -	720	6	Coal (Pittsburgh Coal)

CONEMAUGH FORMATION, 596 FEET

720 -	748	28	Siltstone, light-gray
748 -	760	12	Shale, gray

(OVER)

Top.	Bottom.	Thickness.	
760	- 785	25	Limestone, brown to light-brown; a little sandstone near top of interval
785	- 793	8	Siltstone, light-green
793	- 805	12	Shale, red
805	- 825	20	Clay, gray, red, green, etc., disintegrating quickly in water; also a little light-brown limestone
825	- 857	32	Sandstone, white to light-green, fine; silty near top
857	- 880	23	Clay, red and yellow, highly calcareous
880	- 895	15	Clay, red and yellow, 50%; white limestone, 30%; green siltstone, 20%
895	- 958	63	Clay, red, yellow, and gray; interval probably contains considerable limestone, since proportion of clay is increased by cavings
958	- 990	32	Shale and siltstone, green; also a little limestone and various kinds of clay; a few fragments of fossil marine shells (Ames Shale and Limestone, 958-1000')
990	- 1000	10	Limestone, very light brown to greenish, with fossil shells; sample is mostly red, yellow, and gray clay
1000	- 1040	40	Clay, red, yellow, white, and green, with limestone nodules
1040	- 1054	14	Sandstone, green, fine
1054	- 1077	23	Siltstone and silty shale, green
1077	- 1085	8	Clay, red and yellow
1085	- 1108	23	Siltstone, light-green
1108	- 1126	18	Shale, gray, silty
1126	- 1160	34	Sandstone, white, medium-grained
1160	- 1167	7	Shale, dark-gray, silty
1167	- 1177	10	Clay, nearly white, soft
1177	- 1195	18	Siltstone and silty shale, light-green, with siderite spherulites
1195	- 1218	23	Siltstone, light-gray, sandy, micaceous
1218	- 1226	8	Shale, dark-gray and light-gray; a little coal
1226	- 1293	67	Sandstone, light-gray to white, fine- to medium-grained
1293	- 1316	23	Siltstone and shale, gray, micaceous
			ALLEGHENY AND POTTSVILLE, 517 FEET
1316	- 1329	13	Siltstone, light-gray, 60%; brown limestone, 20%; gray to black shale, 20%
1329	- 1347	18	Siltstone, light-gray, sandy; some brown limestone and light-gray shale near top
1347	- 1401	54	Sandstone, white, medium- to coarse-grained
1401	- 1419	18	Siltstone, gray
1419	- 1447	28	Sandstone, gray, very fine
1447	- 1458	11	Siltstone and shale, gray
1458	- 1462	4	Coal (gas, 1458-1462', 5,250 cu. ft.; water, 1458-1462', $\frac{1}{2}$ bailer per hour)
1462	- 1485	23	Sandstone, white, coarse, nearly all quartz; crystal faces on many grains; some gray siltstone near top
1485	- 1522	37	Siltstone, gray, shaly; grades into sandstone at bottom
1522	- 1567	45	Sandstone, white, medium- to coarse-grained; nearly all quartz (hole full of salt water at 1552')
1567	- 1595	28	Shale, black and gray
1595	- 1615	20	Siltstone, dark-gray
1615	- 1650	35	Sandstone, white, medium-grained
1650	- 1760	110	Sandstone, white, mostly coarse; large amounts of gray clay cavings in several samples
1760	- 1800	40	Sandstone, white to light-gray, very fine to fine (samples from this interval consist mostly of gray clay, assumed to be cavings because it is the same as that in many samples from above)

Top.	Bottom.	Thickness.	
			MAUCH CHUNK GROUP, 107 FEET
1800	- 1848	48	Shale, red, soft; also includes some green shale, siltstone, and very fine sandstone
1848	- 1866	18	Siltstone, green, calcareous; also some red shale
1866	- 1881	15	Shale, red, soft
1881	- 1900	19	Limestone, brown, fossiliferous; also some gray shale
1900	- 1907	7	Shale, gray, soft ("Pencil Cave")
			GREENBRIER LIMESTONE, 119+ FEET
1907	- 1940	33	Limestone, light-brown; also large amounts of gray shale cavings
1940	- 1970	30	Limestone, very light brown
1970	- 2002	32	Limestone, brown
2002	- 2026	24	Sandstone, nearly white, highly calcareous; larger grains are rounded and frosted; samples also contain some limestone
	2050		Total depth