

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

Permit No. Wet 295
Littleton Quad.

(See Remarks) Well
CASING & TUBING

Company South Penn Natural Gas Co.
Address Union Trust Bldg., Parkersburg, W.Va.
Farm Barr Tract Acres 1003 1/2
Location -- 10 479' Pulled
Well No 18 Elev. 1438.67 8 1/2 1688
District Grant Wetzol County 6 5/8 2441
Surface C. Roy Hinerman et al, Mobley, W.Va.
Mineral South Penn Nat. Gas Co., et al Conductor 12'
Union Trust Bldg., Parkersburg, W.Va.
Commenced Oct. 20, 1943 Coal at 1075' 48";
Completed Nov. 27, 1943 1175' 96"
Date shot 12-1-43 Depth 2561-2575 with 60 qts.
Volume 13,192 C.F. See remarks
Oil 17 bbls., 1st 24 hrs. See remarks
Water 2098-2100 1 Blr. pr. hr; 2140-45 2 blr. pr. hr.

Conductor	0	12	Slate & Shells	1506	1518
Clay	12	50	Little Dunkard	1518	1528
Dark Slate	50	85	Slate	1528	1542
White Lime	85	100	Sand	1542	1552
Dark slate	100	150	Slate	1552	1575
Dark Lime	150	175	Lime	1575	1600
Slate Lime	175	300	Slate	1600	1605
Dark Slate	300	465	Lime	1605	1612
White Lime	465	490	Slate	1612	1622
Slate	490	550	Sand	1622	1634
Lime Shells	550	600	Dark Slate	1634	1668
Slate Shells	600	690	Big Dunkard	1668	1678
Lime	690	696	Slate	1678	1685
Dark Slate	696	725	Lime	1685	1690
White Lime	725	760	Slate	1690	1722
Slate	760	790	Lime	1722	1755
Gritty Lime	790	818	Slate	1755	1770
Slate	818	822	Shale	1770	1785
Slate Shells	822	885	Lime	1785	1825
Bluff Sand	885	926	Gas Sand	1825	1893
Black Slate	926	930	Slate	1893	1898
Dark Slate	930	955	Sand	1898	1912
White Lime	955	1072	Shale	1912	1945
Dark Slate	1072	1075	White Slate	1945	1960
Mapletown Coal	1075	1079	Lime	1960	1970
Dark Slate	1079	1090	1st Salt Sand	1970	1984
Dark Lime	1090	1125	Brown Slate	1984	1995
Slate	1125	1175	White Lime	1995	2018
Phg. Coal	1175	1183	Slate	2018	2026
Gritty Lime	1183	1228	Lime	2026	2037
Slate	1228	1234	Shale	2037	2048
Lime	1234	1253	Lime Shells	2048	2058
White Lime	1253	1267	Shale	2058	2085
Red Rock	1267	1278	2nd Salt Sand	2085	2265
Lime	1278	1284	Slate	2265	2270
Slate	1284	1314	Lime	2270	2280
Shale	1314	1319	Red Rock	2280	2288
Murphy Sand	1319	1335	Lime	2288	2295
Pink Slate	1335	1343	Red Rock	2295	2302
Lime	1343	1357	Slate	2302	2345
Red Rock	1357	1363	Red Rock	2345	2363
Lime	1363	1380	Gray Slate	2363	2370
Slate	1380	1388	Little Lime	2370	2381
Lime	1388	1394	Pencil Cave	2381	2396
Red Rock	1394	1408	Hard Lime	2396	2401
Lime	1408	1418	Pencil Cave	2401	2406
Slate	1418	1425	Big Lime	2406	2453
Dark Lime	1425	1455	Big Injun	2453	2580
Slate	1455	1475	Oil & Gas Smell 2554-2557	REMARKS	
Red Rock	1475	1483	Gas 2562-2568	Well was cleaned out	
Lime	1483	1494	Oil 2570-2575	18 days A.S. by Drilling	
Slate	1494	1500	Contractor. Has been making 13 bbls. Oil		
Red Rock	1500	1506	pr. day since put to pumping after clean-		
			ing out. Gas test 13,192 C.F. per day. No Rock Pressure taken. Well is producing D.I.		

2453
1437
95

311

BARR TRACT NO. 18 WELL.

Grant District, Wetzel County, W. Va.
 By South Penn Natural Gas Co., Parkersburg, W. Va.
 Located 3.4 mi. W. of 80° 30' and 1.97 mi. S. of 39° 35' - SE - Littleton Quadrangle
 Elevation, 1438.67' L.
 Permit Wet-295.
 Drilling commenced Oct. 20, 1943; completed Nov. 27, 1943.
 Shot Dec. 1, 1943; depth, 2561-2575'.
 Oil well; 13 bbls. per day when cleaned out after shot.
 Water, 2098-2100', one bailer per hour; 2140-2145', two bailers per hour.
 Coal at 1075-1079 and 1175-1183'.
 10" casing, 479' $\frac{1}{2}$ " $\frac{3}{4}$ ", 1688' $\frac{1}{2}$ " $\frac{3}{4}$ ", 2441'.
 Section based on samples from 1945 to 2581', examined by J. H. C. Martens.
 Record to RCT from Martens May 4, 1944.

Top.	Bottom.	Thickness.	
1175	- 1183	8	Pittsburgh Coal (from driller's record) PENNSYLVANIAN, 265 FEET SHOWN BY SAMPLES
1945	- 1994	49	Shale and siltstone, gray; a little coal, 1984-1994'
1994	- 2014	20	Sandstone, light-gray, very fine, 60%; darker gray shale and siltstone, 40%
2014	- 2026	12	Shale, dark-gray, silty
2026	- 2050	24	Siltstone and shale, dark-gray, micaceous
2050	- 2090	40	Shale, black, mostly silty; a little coal, 2064-2081'
2090	- 2102	12	No sample
2102	- 2138	36	Sandstone, white to light-gray, medium-grained
2138	- 2153	15	Sandstone, white, coarse, nearly all quartz; crystal faces on many grains
2153	- 2165	12	Sandstone, light-gray, fine; contains some mica, siderite, and small specks of coal
2165	- 2176	11	No sample
2176	- 2184	8	Sandstone, light-gray, fine; contains flakes of mica and chlorite and has white clayey material between the grains
2184	- 2194	10	Sandstone, white, medium-grained, 60%; dark-gray shale, 40%
2194	- 2202	8	Sandstone, nearly white, medium-grained
2202	- 2210	8	Sandstone, white to brown, coarse, containing some siderite, 90%; gray shale and siltstone, 10%
			MAUCH CHUNK GROUP, 179 FEET
2210	- 2218	8	Shale, light-gray, 90%; brown siderite, 10%
2218	- 2226	8	Shale and siltstone, light-gray, 80%; siderite, 20%
2226	- 2238	12	Siltstone, light-gray
2238	- 2258	20	Siltstone, gray, micaceous, partly sandy
2258	- 2265	7	Siltstone, gray, micaceous, 50%; gray, very soft shale, 50%
2265	- 2302	37	Shale, gray, green, and red, partly calcareous, mostly soft and clayey
2302	- 2335	33	Shale, red, soft, mostly calcareous
2335	- 2345	10	Siltstone and shale, grayish-green
2345	- 2355	10	Siltstone and shale, grayish-green, 60%; red shale, 40%
2355	- 2365	10	Siltstone and shale, grayish-green
2365	- 2380	15	Limestone, dark-gray, fossiliferous, partly shaly, (Little Li
2380	- 2389	9	Shale, gray and green, soft, thinly laminated (Pencil Cave)
			GREENBRIER LIMESTONE, 120 FEET
2389	- 2402	13	Limestone, light-brown, 50%; soft gray shale, 30%; red shale,
2402	- 2407	5	Limestone, light-brown, 60%; gray shale, 40%
2407	- 2460	53	Limestone, brown to light-brown
2460	- 2465	5	Limestone, very light brown, somewhat dolomitic
2465	- 2469	4	Limestone, light-brown, slightly sandy
2469	- 2471	2	Limestone, light-brown, slightly dolomitic

(OVER)

BARR TRACT NO. 18 WELL (Continued).

Top.	Bottom.	Thickness.	
2471	2489	18	Limestone, brown to light-brown, sandy and oolitic
2489	2494	5	Limestone, very light brown, very sandy
2494	2504	10	Sandstone, very light brown, fine, highly calcareous and dolomitic
2504	2509	5	Sandstone, very light brown, fine, dolomitic
POCONO FORMATION, 72+ FEET			
2509	2533	24	Sandstone, light-gray, fine- to medium-grained, with scarcely any calcite or dolomite
2533	2537	4	Limestone, nearly white, very sandy, and highly dolomitic; larger sand grains are rounded and frosted (if this sample is properly labelled, it apparently indicates that the bottom of the Greenbrier is at 2533 2537')
2537	2581	44	Sandstone, light-gray to nearly white, fine- to medium-grained; 20% gray siltstone, 2576-2581' (oil and gas smell, 2554-2557'; gas, 2562-2568'; oil, 2570-2575')
	2581		Total depth by samples
	2580		Total depth by record

FORM WR-38
 (Affidavit of Plugging)

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS WELLS DIVISION

APR 17 1986

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

<u>Consolidated Coal Co.</u> Coal Operator or Owner <u>PO Box 1314, Morgantown, WV 26505</u> Address	<u>Eastern Overthrust Drilling</u> Name of Well Operator <u>PO Box 600, Anmoore, WV 26323</u> Complete Address <u>April 15,</u> 19 <u>86</u>
<u>Coal Operator or Owner</u> Address <u>William Kilcoyne</u> Lease or Property Owner <u>Rt. 1, Box 28, Smithfield, WV 26437</u> Address	<u>WELL AND LOCATION</u> <u>Grant</u> District <u>Wetzel</u> County <u>WELL NO. 18</u> <u>Barr Tract</u> Farm <u>Don Ellis</u>

STATE INSPECTOR SUPERVISING PLUGGING _____

AFFIDAVIT

STATE OF WEST VIRGINIA,
 County of Upshur

ss:

Larry Helmick and Thearl Clutter

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by R. L. Wharton, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 26 day of March, 19 86, and that the well was plugged and filled in the following manner:

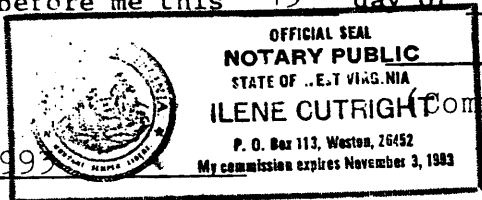
Sand or Zone Record Formation	Filling Material	Plugs Used Size & Kind	Casing	
			CSG PULLED	CSG LEFT IN
2580 - 2525	Gel			
2525 - 2325	Cement	7"	1390	1034
2325 - 1390	Gel	8"	380	1308
1390 - 1290	Cement cut 7" 1390			
1290 - 1029	Cement			
1029 - 350	Gel			
350 - 300	Cement			
300 - 50	Gel			
50 - 0	Cement			
Coal Seams				
(Name)			<u>W. J. 4/21/86</u> Description of Monument 7" casing above ground 30"	
(Name)				
(Name)				
(Name)				

and that the work of plugging and filling said well was completed on the 15 day of April, 19 86.

And further deponents saith not.

Larry P. Helmick
Thearl Clutter
 Sworn to and subscribed before me this 15 day of April, 19 86.

Ilene Murray
 Notary Public
 Commissioned as Ilene Cutright)



My commission expires:
 November 3, 1989

Permit No. 47-103-0295-P