

surface owed by Conard Shafer.
 Address: Mr. Conard Shafer, Pinch, W. Va.
 Coal owned by Union Carbide Chemicals Co.
 Address: 437 MacCorkle Ave. SW. South Charleston, W. Va.

New Location
 Drill Deeper
 Abandonment

DEC 31 1959

On 800' Map No. 101. Sqs. 571 W 44.

Company	<u>Pack & Jackson</u>
Address	<u>Hamlin, W. Va.</u>
Farm	<u>Blue Creek Tract</u>
Tract	Acres _____ Lease No. _____
Well (Farm) No.	<u>21</u> Serial No. _____
Elevation (Spirit Level)	<u>1021.8</u>
Quadrangle	<u>Clendenin</u>
County	<u>Kanawha</u> District <u>ELK</u>
Engineer	<u>Elworth Haines</u>
Engineer's Registration No.	<u>2221</u>
File No.	Drawing No. _____
Date	<u>Nov. 3rd, 1959</u> Scale <u>1" = 400 Feet</u>

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

WELL LOCATION MAP

FILE NO. KAN-1298-R

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

6-0-208



2074

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Clendenin

Permit No. 1298-A

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company South Penn Natural Gas Co.
Address Union Trust Bldg., Parkersburg, W. Va.
Farm Blue Creek Tract Acres _____
Location (waters) _____
Well No. 21 Elev. 1021.8
District Elk County Kanawha
The surface of tract is owned in fee by Conard Shafer
coal Address Pinch, W. Va.
Mineral rights are owned by Union Carbide Chem. Co.
137 MacCorkle Ave. S.W. Address South Charleston,
Drilling commenced 6/20/13 W. Va.
Drilling completed 8/12/13
Date Shot 10/3/13 From 2098 To _____
With 20 qts.
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED _____

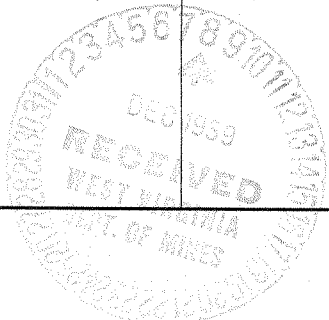
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer _____
16			<u>B. H.</u>
13			Size of <u>6 5/8"</u>
10			<u>x 8 1/2"</u>
8 3/4	<u>495'</u>	<u>495'</u>	Depth set _____
6 3/4	<u>1745</u>	<u>1745'</u>	
5 3/16			Perf. top _____
3			Perf. bottom _____
2	<u>2109'</u>	<u>2109'</u>	Perf. top _____
Liners Used			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 283 FEET _____ INCHES
623 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
Clay				12			
Coal			283	287			
Slate			400	420			
Coal			623	625			
Salt Sand			965	1090	Water	1132-1135	
Maxon Sand			1645	1660			
Little Lime			1665	1700			
Slate			1700	1715			
Big Lime			1715	1873	Gas	1810	
Big Injun			1873	1878			
Slate			1878	1895			
Red rock			1895	1940			
Sand			1940	1965			
Slate			1965	1975			
Weir Sand			1975	2110	Oil & Gas	2098-2110	
Total depth				2110			



JUN 29 1960