

Described

check top of March Creek and Base of member

L. Maxwell Neiro No. 13E-362

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West Union District, Doddridge County, W. Va.
By Carnegie Natural Gas Company, Pittsburgh, Pa.
Located 1.46 mi. W. of $80^{\circ}45'$ and 0.81 mi. S. of $37^{\circ}5'$ - NE -
Holbrook Quadrangle

Elevation 1075' L.

Permit Dod-109.

Drilling deeper commenced Sept. 16, 1940; completed Oct. 29, 1940.

Shot at 2447 - 2459'

Gas well; volume 94,000 cu. ft.

Find samples and check top of March Creek.

1701
1075
626

Dylya Payne

L. Maxwell No. # 13E-362
 By Carnegie Natural Gas Co.
 W. Virginia Dist., Doddridge Co.
 W. Va. - Permit DOD-109

started drilling deeper at 1580' SLM.

Top	Bottom	Thickness	Description
1580	1588	8	Shale, dark gray, micaceous, carbonaceous
1588	1597	9	Shale, dark gray, micaceous, carbonaceous material, trace of pyrite
1597	1606	9	Shale, dark gray, micaceous, carbonaceous
1606	1614	8	Shale, slightly silty, carbonaceous
1614	1619	5	Siltstone, lt. gray, carbonaceous
1619	1628	9	Siltstone, gray, micaceous
1628	1635	7	^{M. Amund} Shale, grayish green and tan, very slightly micaceous
1635	1644	9	Shale, grayish green micaceous
1644	1650	6	Shale, grayish green micaceous
1650	1655	5	Shale, red and gray, slightly micaceous, rust spots
1655	1662	8	Shale, slightly silty, gray and red, slight rust spots
1662	1665	3	Siltstone, gray, slightly micaceous
1665	1671	6	Shale, dark gray, traces of pyrite
1671	1678	7	Limstone, dark gray, trace of pyrite
1678	1684	6	Limstone, highly calcareous
1684	1686	2	Limstone, highly calcareous, possible trace of calcite

2/11/41

2

Little Cove 1672-1698 in drillers record

"Little Lime"

- | | | | |
|---|------|---|--|
| 1671 | 1678 | 7 | Siltstone, 50%; Calcareous limestone, 50%.
Light gray, very fine. |
| 1678 | 1684 | 6 | Siltstone, 50%; Calcareous limestone, 50%.
Lt. gray, very fine. |
| 1684 | 1686 | 2 | Siltstone, 50%; limestone, 50%; medium
gray, very fine. |
| 1686 | 1692 | 6 | Limestone, medium gray, very fine. |
| 1692 | 1696 | 4 | <u>Limestone, dark gray, very fine.</u>
"Pencil Cave" |
| 1696 | 1701 | 5 | Sandstone, 75%; white, fine to very fine gr.;
Shale, 25%, brown, very soft. |
| 1695-1703
(see also B.C. record, Monday) | | | |
| 1701 | 1708 | 7 | Limestone, 60%, light gray, very fine;
Shale, 40%, laminated, very soft,
very fine gr., light gray, (top of
Gr. blue may be in this interval) |
| 1703-1710 | | | slate white soft. |
| 1708 | 1712 | 4 | Limestone, lt. gray and brown; some
(top B.C. at 1710 in drillers record) sand grains present probably from bed
above; also a little gray shale prob.
from preceding bed. |
| 1712 | 1718 | 6 | Limestone, lt. brown with some oolites
present as a darker brown; very slight
amt. of shale present |
| 1718 | 1725 | 7 | Limestone, lt. grayish yellow, no
oolites; very slight amt. ^{gray} shale |
| 1725 | 1730 | 5 | Limestone, lt. grayish yellow to lt. brown;
slight amt. of thinly laminated grayish-
green shale. |

- | | | | |
|------|------|----|--|
| 1735 | 1742 | 7 | Limestone, lt. grayish yellow to lt. brown; small amt. finely laminated, soft shale. |
| 1742 | 1748 | 6 | Limestone; lt. grayish yellow to lt. brown. |
| 1748 | 1753 | 5 | Limestone, lt. grayish yellow to lt. brown, small amt. thinly laminated, soft, gray shale. |
| 1753 | 1757 | 4 | Limestone, lt. grayish yellow to lt. brown; much more coarsely crystalline. |
| 1757 | 1763 | 6 | Limestone; lt. brown to gray; selenite present |
| 1763 | 1769 | 6 | Limestone; light brown to gray; selenite present |
| 1769 | 1775 | 6 | Limestone; light brown to gray. |
| 1775 | 1781 | 6 | Sandy limestone; brown, tan, and gray; recognizable s.s. med. fine gr. |
| 1781 | 1791 | 10 | Sandstone; light grayish yellow; fine gr. |
| 1791 | 1797 | 6 | Dolomitic sandstone; light grayish yellow and dark gray, fine gr. |
| 1799 | 1809 | 10 | Dolomitic sandstone; light grayish yellow; fine gr. (see 1804-1809) |
| 1809 | 1821 | 12 | Dolomitic sandstone; light grayish yellow; very fine gr. |
| 1821 | 1828 | 7 | Dolomitic sandstone; light grayish yellow; very fine gr. |

- 1828 1839 11 Dolomitic sandstone; light grayish yellow; very fine gr.; few rounded grains.
- 1839 1846 7 Dolomitic sandstone; light grayish yellow; very fine gr.; round grains quite pronounced. (gas 1844-1846)
- 1846 1852 6 Sandstone, mainly; light grayish yellow; fine gr.; rounded; Dolomite in small amount; frosted white - Possible bottom of the Greenbrier
- 1852 1858 6 Sandstone; light grayish yellow and gray; few rounded grains; fine gr. Very small amt. Dolomite.
- 1858 1861 3 Sandstone; light grayish yellow and gray; fine gr.
- 1861 1865 4 Silty shale; dark gray; very fine gr.; some sandstone.
- 1865 1870 5 Silty shale; dark gray; very fine grained. _{s.s.} some dolomite crystals; few grains of greenish s.s.
- 1870 1877 7 Silty shale; dark gray; very fine grained. _{s.s.} some dolomite crystals.
- 1877 1884 7 Silty shale; dk. gr.; very fine grained; trace of dolomitic limestone.
- 1889 1896 7 Siltstone; med. gray, ^{slightly} micaceous
- 1896 1902 6 Siltstone grading into s.s.; med. gray and slightly micaceous.

- 1902 1920 18 Siltstone and shale in equal parts; micaceous, light to dark gray in color.
- 1920 1995 75 Siltstone and shale about half and half but siltstone grades into a very fine grained sandstone. Shale mainly dk. gray. Siltstone from light gray to dark. Micaceous character.
- 1995 2020 25 Siltstone with some fine gr. sandstone, medium gray color, highly micaceous.
- 2020 2025 5 Sandstone - 60% ^{very} fine grained, light grayish yellow; Siltstone - 40% med. gray.
- 2025 2035 10 Sandstone; very fine gr.; lt. grayish yellow. (See with 2025 - 2120)
grains round
- 2035 2050 15 Sandstone mainly with small amount of gray siltstone. S.S. is very fine gr. and lt. grayish yellow - micaceous. ^{very} slightly dolomitic.
- 2050 2102 52 Sandstone, very lt. gray, very fine gr.; slightly dolomitic, highly micaceous.

- 2102 2116 14 Sandstone; very fine gr.; increased amt. of pyrite; highly micaceous; light grayish yellow.
- 2116 2136 20 Sandstone; very fine gr.; some siltstone; med. gray to dark gray; micaceous; pyrite.
- 2136 2170 34 Siltstone - 60%; med. gray; micaceous
Sandstone - 40%; light gray to light grayish yellow, very fine gr.; micaceous; streaks of black organic matter present.
- 2170 2215 45 Siltstone grading into shale; med. to dark gray; micaceous.
- 2215 2219 4 Sandstone and siltstone about equal pts.; sandstone light pinkish white color, fine grained; siltstone light gray; all micaceous.
- 2219 2223 4 Sandstone and siltstone; color from pinkish white to lt. gray; very fine grained.
- 2223 2247 24 Shale grading into siltstone; med. gray to dark gray - micaceous.

2247 2324 77 Siltstone; light grayish yellow to med. gray to dark gray, micaceous, streaks of black organic matter present.

2324 2379 55 Siltstone with small amt. of very fine gr. sandstone; colors from lt. grayish yellow to dark gray and brown; micaceous; organic matter present.

2379 2408 29 Siltstone mostly, med. gray, micaceous; sandstone, very fine gr., lt. gray to slightly greenish gray, highly micaceous, streaks of organic matter.

2408 2419 11 Siltstone and sandstone - equal pts. - lt. to dark gray - micaceous.

2419 2467 48 Sandstone - 60%, very light grayish yellow to light gray, fine gr.; micaceous; Siltstone - 40%, dark gray, micaceous; some greenish gray sandstone; organic streaks apparent (show of zone 2455)

2467 2492 25 Siltstone grading into very fine gr. micaceous sandstone; med. gray.

- 2492 2532 40 Gray and red shale grading into greenish gray siltstone which show prominent specks of chlorite.
- 2532 2553 21 Shale, med. gray, grading into lighter gray micaceous siltstone. Some greenish gray siltstone, Chlorite specks prominent.
- 2553 2607 54 Shale, med. gray ; siltstone, micaceous gray to greenish gray; shale, pinkish gray to brown
- 2607 2657 50 Shale + siltstone - equal pt. ; shale, med. gray, soft ; siltstone, med. gray to greenish gray, flecks of chlorite, micaceous ; small amt. tan and red shale.
- 2657 2672 15 Siltstone about 80% - color from gray to greenish gray to pinkish gray, micaceous with specks of chlorite in the green siltstone ; shale about 20% med. gray. Increased amt. of red siltstone a few feet deeper
- 2672 2684 12 Siltstone and shale in equal pt. ; med. gray, micaceous, specks of chlorite in the siltstone.
- TID, 2684 SLM.