



7.5 OGIS topo location

7.5' loc 0.90
1.94

15' loc 2.71
 (calc.) 4.19

Company Guy B. + A.G. Patterson

Farm Charles + Anna B. Williams 2

Quad Cameron 7.5' Cameron SE

County Marshall

District Liberty

WELL LOCATION MAP

File No. 051-43

Mars-43

WEST VIRGINIA DEPARTMENT OF MINES

Oil and Gas Section

PRELIMINARY DATA SHEET NO. 1

File No. Guy B & A G Patterson Company, of Cameron, W Va Well No. 2 on the Charles & Anna B. Williams Farm

containing 101 acres. Location Liberty District, in Marshall County, West Virginia.

The surface of the above tract is owned in fee by Charles & Anna B. Williams of Cameron, W Va R. F. D. address, and the mineral rights are owned by Coal by Gibbs, Hamkins & Robinson of Uniontown, Pa.

The oil and gas privileges are held under lease by the above named company, and this well is drilled under permit No. Mars-43 issued by the West Virginia Department of Mines, Oil and Gas Section, August 9 1933

Elevation of surface at top of well, 1378' Spirit Barometric.

The number of feet of the different sized casings used in the well.

16 feet size, csg 240 feet size, csg 10" sized csg. 1515 feet 8" size, csg 2147 feet 6" sized csg.

Anchor packer of 6 x 2 size, set at 2783 (30 ft sand)

in casing perforated at 3050 feet to 3091 feet.

in casing perforated at 2966 feet to 3091 feet.

Coal was encountered at 772 feet; thickness 12 inches, and at 910 feet; thickness 60 inches; and at 1005 feet; thickness 72 inches.

Liners were used as follows: (Give details) 5" liner 331'

Dec 19-1933

Date. Approved. Guy B & A G Patterson, Owner. By. E. W. Newell, agent.

DEC 20 1933

Guy B & A's Patterson Company
 Cameron Address
 700^{-a}

COMPLETION DATA SHEET
 NO. 2
 FORMATION RECORD

| Name | Color | Character | Oil, Gas or Water | Top | Bottom | Thickness | Total Depth | Remarks |
|---------------|-----------|-------------|-------------------|------|--------|-----------|-------------|------------------|
| | | Soft | | 0 | 16 | | | |
| | | Hard | | 16 | 30 | | | |
| | | Soft | | 30 | 100 | | | |
| | | Hard | | 100 | 125 | | | |
| | | Soft | Fresh Water 120 | 125 | 220 | | | |
| | | Hard | | 220 | 400 | | | |
| | | Soft | | 400 | 425 | | | |
| | | Hard | | 425 | 500 | | | |
| | | Soft | | 500 | 600 | | | |
| | | Hard | | 600 | 719 | | | |
| Waynesburg | | Coal | | 722 | 723 | | | |
| | | Hard | | 723 | 910 | | | |
| Mapletown | | Coal | | 910 | 915 | | | |
| | | Hard | | 915 | 1005 | | | |
| Pittsburgh | | Coal | | 1005 | 1011 | | | |
| | | Hard | | 1011 | 1150 | | | |
| | | Soft | | 1150 | 1175 | | | |
| | | Hard | | 1175 | 1250 | | | |
| Murphy Sand | 1220-1247 | Soft | | 1250 | 1300 | | | |
| | | Hard | | 1300 | 1325 | | | |
| | | Soft | | 1325 | 1400 | | | |
| Little Newark | 1420-1444 | Hard | | 1400 | 1483 | | | |
| Big Newark | 1483-1548 | Hard | | 1483 | 1550 | | | |
| | | Soft | | 1550 | 1575 | | | |
| Gas Sand | 1580-1610 | Sand | | 1575 | 1610 | | | |
| | | Soft | | 1614 | 1620 | | | |
| 1st Salt Sand | 1650-1727 | lime Sand | Salt Water 1656 | 1620 | 1650 | | | |
| | | Slate | | 1727 | 1904 | | | |
| 2nd Salt Sand | 1904-1932 | Sand | | 1904 | 1932 | | | |
| | | Slate | | 1932 | 2015 | | | |
| 3rd Salt Sand | 2015-2033 | Sand | | 2015 | 2053 | | | |
| | | Soft | | 2053 | 2073 | | | |
| Maxon Sand | 2073-2108 | lime Slate | | 2073 | 2108 | | | |
| | | | | 2108 | 2140 | | | |
| Pencie Cove | 2140-2147 | Pencie Cove | | 2140 | 2147 | | | Gas 2967 to 2969 |
| Big lime | 2147-2196 | Big lime | | 2147 | 2196 | | | Gas 2974 to 2976 |
| Big Jugin | 2196-2451 | Big Jugin | | 2196 | 2262 | | | Steel line |
| | | Slate | Salt Water 2246 | 2262 | 2272 | | | |
| 30 foot | 2272-2792 | | | 2272 | 2451 | | | |
| 50 " | 2451-2773 | | | 2451 | 2773 | | | |
| Gordon Sand | 2773-2792 | Sand | | 2773 | 2792 | | | Gas 3094-3097 |
| | | Slate | | 2792 | 2887 | | | |
| 4th " | 3091-3104 | Pink Rock | | 2887 | 2918 | | | |
| 5th " | 3104-3131 | Shells | | 2918 | 2961 | | | |

Well was not shot at feet; well was shot at feet.
 Fresh Water at 120' salt water at 1656' salt water at 2296' feet.

producing hole.
 Well was dry

Dec. 19-1933 Date

Approved Guy B & A's Patterson
 By E. W. Howell - Agent Owner

NOTE: All bottom formations must be noted as indicated above and all key-rocks and oil and gas sands must be recorded under their proper geological names in the district as well as any local names commonly used in the district for such strata.

Dec 20 1933