



Error in Closure: - Less than 1/300'

I, the undersigned, hereby certify that this map is correct to best of my knowledge and belief and shows all of the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

W. H. Christenson
R. P. E. 127

Company R. WAYNE CHRISTENSON
 Address 1161 North Ballenger Hy. Flint, Mich
 Farm Henry A House's Heirs
 Tract _____ Acres 122 Lease No. _____
 Well (Farm) No. Two Serial No. _____
 Elevation (Spirit Level) 1300 ⁷⁵⁴⁰⁰ ₁₂₇₃ ¹¹⁹¹⁰⁰
 Quadrangle Vadia WC
 County Doddridge District New Milton
 Engineer *W. H. Christenson*
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date June 10, 1963 Scale 1" = 300' = 495'

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

WELL LOCATION MAP
 FILE NO. Deed - 1022

+ 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION *2*

9-21-65
LOG

Quadrangle _____

Permit No. DOD-1022

WELL RECORD

Oil or Gas Well *Gas* OIL
(KIND)

Company R. Wayne Christenson
Address 1101 N. Ballenger-Flint, Michigan
Farm Ahouse Acres 122

Location (waters) Brushy Fork
Well No. two (2) Elev. 1273
District New Milton County Doddridge

The surface of tract is owned in fee by O.C. Haught et al
Salem, West Va. Address _____

Mineral rights are owned by O.C. Haught and Cumpston
heirs-Salem & New Milton Address West Va.

Drilling commenced April 22nd, 1965
Drilling completed June 26th, 1965

Date Shot none From _____ To _____
With _____

Open Flow /10ths Water in none Inch
/10ths Merc. in _____ Inch

Volume would not gauge Cu. Ft.

Rock Pressure 150 lbs. 2 1/2 hrs.
Oil 15 bbls., 1st 24 hrs.

WELL ACIDIZED no
WELL FRACTURED Yes Haliburton Company

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer <u>none</u>
16			Size of _____
18	<u>32' 10"</u>	<u>32' 10"</u>	Depth set _____
10	<u>537.7-</u>	<u>none</u>	Perf. top <u>none</u>
8 1/4	<u>1202.8</u>	<u>none</u>	Perf. bottom _____
6 5/8	<u>1919</u>	<u>none</u>	Perf. top _____
5 3/16			Perf. bottom _____
<u>4 1/2</u>	<u>2472'</u>	<u>2472'</u>	
<u>2</u>			
Liners Used	<u>none</u>		

CASING CEMENTED yes SIZE 4 1/2 No. Ft. 2472' Date 6/4/65 Lawson Cementing Company.

COAL WAS ENCOUNTERED AT none FEET _____ INCHES
_____ FEET _____ INCHES
_____ FEET _____ INCHES

RESULT AFTER TREATMENT 60 bopd, estimated hundred thousand gas
ROCK PRESSURE AFTER TREATMENT 400 lbs.
Fresh Water none Feet _____ Salt Water yes Feet 1798'
1820'
1855'

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay	red	soft	0	30			
Bluestone	blue	"	30	40			
Red rock	red	"	40	50			
lime	hard	white	50	65			
slate	white	soft	65	100			
lime	"	hard	100	130			
red rock	red	soft	130	165			
lime	white	hard	165	175			
slate-	"	soft	175	185			
red rock	red	soft	185	225			
lime	hard	white	225	250			
slate	white	soft	250	275			
red rock	red	"	275	375			
lime	white	hard	375	400			
slate	"	soft	400	435			
lime	"	hard	435	450			
slate	"	soft	450	460			
lime	"	hard	460	480			
red rock	soft	red	480	495			
lime	white	hard	495	555			
red rock	red	soft	555	590			
sand	white	hard	590	610			
red rock	red	soft	610	675			
sand	white	hard	675	685			
slate	"	soft	685	700			
lime	"	hard	700	722			
red rock	red	soft	722	735			
lime	white	hard	735	755			
red rock	red	soft	755	800			
sand	white	soft	800	850			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
lime	white	hard	850	860			
sand	"	"	860	885			
slate	"	soft	885	890			
lime	"	hard	890	925			
sand	"	"	925	950			
slate	"	soft	950	975			
sand	"	hard	975	1080			
redrock	red	soft	1080	1110			
lime	white	hard	1110	1140			
sand	"	"	1140	1185			
lime	"	"	1185	1200			
redrock	red	soft	1200	1228			
lime	white	hard	1228	1250			
redrock	red	soft	1250	1265			
lime	white	hard	1265	1350			
redrock	red	soft	1350	1360			
slate	white	"	1360	1370			
lime	"	hard	1370	1410			
slate	"	soft	1410	1420			
sand	"	hard	1420	1440			
lime	"	"	1440	1450			
slate-shell	"	"	1450	1490			
lime	"	"	1490	1505			
sand	"	"	1505	1555			
lime	"	"	1555	1580			
slate	"	soft	1580	1600			
lime	"	hard	1600	1730			
slate	"	soft	1730	1778			
sand	"	hard	1778	1830			
slate	black	soft	1830	1840			
sand	white	hard	1840	1915			
lime	"	"	1915	1935			
slate	"	soft	1935	1940			
lime	"	hard	1940	2050			
slate	"	soft	2050	2056			
sand	"	hard	2056	2070			
slate	"	soft	2070	2075			
grit-lime	"	hard	2075	2191			
slate	"	soft	2191	2196			
lime	"	hard	2196	2205			
red rock	red	soft	2205	2206			
lime	white	hard	2206	2230			
red rock	red	soft	2230	2245			
lime	white	hard	2245	2315			
slate	"	soft	2315	2325			
slate&shells	"	med	2325	2368			
big lime	"	hard	2368	2471			
sand-Injun	"	"	2471	2543			slight oil show at 2440' (lime)
slate	black	soft	2543	2550			T.D.Total Depth
							gas show at 2472' top of Injun
							oil at 2474' 4' from top of Injun
							injun sand
			1- $\frac{1}{2}$	bailers of			Salt Water at 1798'
			3	"			" " " 1820'
			6	"			" " " 1855'

Date July 22nd, 1965

APPROVED R. Wayne Christenson, Owner

By Homer Robinson (Title) Field Sup't.