



Company Virginian Gasoline & Oil Co.
 Address Charleston, W. Va.
 Farm V. F. & J. M. Fleshman
 Acres 279
 Lease No. 2180
 Well (Farm) No. One
 Serial No. 613
 Elevation 716.5 (Spirit Level)
 Quadrangle Clendenin
 County Kanawha
 District Elk
 Engineer G. A. Cunningham
 Eng. Reg. No. 659
 File No. 72-67
 Date June 29, 1938
 Scale 1" = 660'

STATE OF WEST VIRGINIA
 Department of Mines
 OIL & GAS DIVISION
 Charleston
 WELL LOCATION MAP
 File No. Kan-248-A
 X Denotes location of well on U. S. 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.

248A

Elk District, Kanawha County, W. Va.

By Virginian Gasoline & Oil Co., Charleston, W. Va.

On 279 acres, on Wills Creek.

Elevation, 716.5' L.

Surface and minerals owned by Mrs. V. F. Fleshman, Charleston, W. Va.

Drilling commenced July 17, 1914; completed, Aug. 29, 1914.

Deepening commenced May 4, 1920; completed, May 20, 1920.

Oil, 33 bbls., pumped first 11 days.

Fresh water, 160'. Salt water, 1708'.

8 $\frac{1}{2}$ " casing, 460' 9"; 6 $\frac{5}{8}$ " 1598'; 5 $\frac{1}{2}$ " 1822'.Hook wall packer, 6 $\frac{1}{2}$ x 5 $\frac{1}{2}$, set at 1693'.

Coal was encountered at 420-425'.

Oil well. Abandonment reported to Dept. of Mines June 30, 1938.

Record to ROT from Mrs. Griffith August 12, 1938.

	Top.	Bottom.
Slate	14	25
Red rock	25	30
Sand	30	45
Slate	45	50
Sand	50	75
Red rock	75	85
Slate	85	120
Red rock	120	135
Slate	135	160
Sand (water at 160')	160	165
Slate	165	200
Sand	200	230
Slate	230	275
Sand	275	360
Slate	360	420
Coal	420	425
Slate	425	500
Lime	500	520
Slate	520	560
Sand	560	640
Slate	640	670
Sand	670	780
Slate	780	840
Lime	840	870
Slate	870	985
Salt Sand	985	1440
Slate	1440	1520
Sand	1520	1530
Slate	1530	1533
Little Lime	1533	1559
Slate	1559	1562
Lime	1562	1567
Pencil Cove	1567	1577
Big Lime	1577	1702
Big Injun Sand (oil and water, 1708'; hole filled up to 1802') ??	1702	1777
Lime shells	1777	1890
Slate	1890	1960
Lime snails	1960	2140
Slate	2140	2277
Broken sand	2277	2280
Slate	2280	2285
Total depth		2285

WV-Permit 748-A

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION

659

WELL RECORD

Permit No.

Oil or Gas Well Oil
(Kind)

Company Virginian Gasoline & Oil Company
 Address Charleston, W. Va.
 Farm V. F. & J. M. Fleshman Acres 279
 Location (waters) Wills Creek
 Well No. 613 Elev. 716.5
 District Elk County Kanawha
 The surface of tract is owned in fee by Mrs. V. F. Fleshman
 Address Charleston, W. Va.
 Mineral rights are owned by Same
 Address

Drilling commenced July 17, 1914 May 4, 1920
 Drilling completed Aug. 29, 1914 May 20, 1920
 Date shot..... Depth of shot.....

Open Flow /10ths Water in..... Inch
 /10ths Merc. in..... Inch

Volume..... Cu. Ft.
 Rock Pressure..... lbs..... hrs.
 Oil 33 Bbls. pumped first 11 days ~~10 days~~
 Fresh water 160 feet..... feet
 Salt water 1708 feet..... feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer.....
16.....			<u>Hook Wall</u>
13.....			Size of.....
10.....			<u>6-5/8" x 5-3/16</u>
8 1/4.....	<u>460' 9"</u>	<u>460' 9"</u>	Depth set..... <u>1693</u>
6 5/8.....	<u>1598'</u>	<u>1598'</u>	Perf. top.....
5 3/16.....	<u>1822'</u>	<u>1693'</u>	Perf. bottom.....
3.....			Perf. top.....
2.....			Perf. bottom.....
Liners Used.....			

CASING CEMENTED..... SIZE..... No. FT..... Date

COAL WAS ENCOUNTERED AT 420 FEET 60 INCHES
 FEET..... INCHES..... FEET..... INCHES
 FEET..... INCHES..... FEET..... INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
late			14	25			
ed Rock			25	30			
and			30	45			
late			45	50			
and			50	75			
ed Rock			75	85			
late			85	120			
ed Rock			120	135			
late			135	160			
and			160	165	Water	160	
late			165	200			
and			200	230			
late			230	275			
and			275	360			
late			360	420			
coal			420	425			
late			425	500			
lime			500	520			
late			520	560			
and			560	640			
late			640	670			
and			670	780			
late			780	840			
lime			840	870			
late			870	985			
salt Sand			985	1440			
late			1440	1520			
and			1520	1530			
late			1530	1533			
ittle Lime			1533	1559			
late			1559	1562			
lime			1562	1567			
encil Cave			1567	1577			
ig Lime			1577	1702			
ig Injun			1702	1777			
ime Shells			1777	1890			
late			1890	1960			
ime Shells			1960	2140			
late			2140	2277			
roken Sand			2277	2280			
late			2280	2285			
Total Depth				2285			



Oil & Water 1708
 Hole filled up to 1802

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks

Date June 30, 1938

APPROVED VIRGINIAN GASOLINE & OIL COMPANY, Owner

By G.A. Cunningham
(Title) Engineer