



- New Location
- Drill Deeper
- Abandonment

Company GEO. F. WASMUTH
 Address GLENDAL, W. VA.
 Farm JOHN OTTE, HEIRS.
 Tract ONE Acres 133.12 Lease No. _____
 Well (Farm) No. 21 Serial No. _____
 Quadrangle CAMERON, NW
 County MARSHALL
 District WASHINGTON
 Engineer Walter H. Stigman
 Engineer's Registration No. 394
 File No. _____ Drawing No. _____
 Date MAY 12, 1943 Scale 1 INCH = 500 FEET

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

WELL LOCATION MAP
 FILE NO. MARS-220-A

+ 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



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

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WELL RECORD

Permit No. 20-A

Oil or Gas Well Oil
(KIND)

Company Geo. P. Hasmuth
Address Glen Dale, West Va
Farm John Otto Heirs Acres 193
Location (waters) Little Gears Creek
Well No. 21 Elev. 780
District Washington County Marshall
The surface of tract is owned in fee by John Otto Heirs
Address Glen Dale, W Va
Mineral rights are owned by John Otto Heirs
Address Glen Dale, W Va
Drilling commenced 1919
Drilling completed 1919
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil 3 bbls., 1st 24 hrs.
Fresh water feet feet
Salt water feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13	<u>11 ft Wood Conductor</u>		
10	<u>277</u>	<u>Pulled</u>	Size of
8 1/4	<u>786</u>	<u>600 Left in Well</u>	
6 5/8	<u>1300</u>		Depth set
5 3/16	<u>1325</u>	<u>On Hook</u>	<u>Wall Packer</u>
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT 262 FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
<u>Pitts Coal</u>	<u>Black</u>		<u>262</u>	<u>267</u>			
<u>Big Lime</u>	<u>White</u>		<u>1300</u>	<u>1354</u>			
<u>Big Injun</u>	<u>White</u>		<u>1354</u>	<u>1397</u>	<u>Oil</u>	<u>1391-1395</u>	
<u>Depth of Hole</u>				<u>1397</u>			

