

Latitude 39° 20'

13100000

James Corder

EAST 1023

SOUTH 1320

105008 220716007

Elevation 1057 O.B. Well No. 4534

Elevation 1020 O.B. Well No. 4755 abandonment

W. A. Duckworth Area 106 acres

1320

1188

1130

W.O. Stp.

Robert Smith

DOTSON RUN

McGraw Heirs

SOUTH 2541

# 4534 { W-2.18  
 S-3.63  
 0.885 391730  
 2.20W 8050 7.50c  
 3.7657 calc 15' loc  
 2.20W) } 9/3/98

W. F. Hodkins  
 # 4755 { W-2.25  
 S-3.81  
 7.5' loc  
 0.915 391730  
 2.23W 8050 } 9/3/98  
 15' loc calc 3.785  
 2.23W

Company H.E. Milliken & A.M. Snider  
 Address Waynesburg, Pa.  
 Farm W.A. Duckworth  
 Tract 1  
 Acres 106  
 Quadrangle West Union S.C.  
 District Central  
 County Doddridge  
 Eng. David Weed  
 Eng. Reg. No. 233-16-5767  
 Date 8/16/39  
 Scale 1" = 400'

STATE OF WEST VIRGINIA  
 Department of Mines  
 OIL AND GAS DIVISION  
 Charleston

WELL LOCATION MAP

File No. Dod-289-290-A  
 Well # 4534-4755

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

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WELL RECORD

AP 289-A  
Permit No. 289-A

Oil or Gas Well Oil  
(Kind)

Company Milliken & Snider  
Address Waynesburg, PA.  
Farm W. A. Duckworth Acres 106  
Location (waters) Dotson Run  
Well No. 4534 Elev. 1057  
District Central County Doddridge  
The surface of tract is owned in fee by.....  
Address.....  
Mineral rights are owned by.....  
Address.....  
Drilling commenced.....  
Drilling completed 2-29-1917  
Date shot No record Depth of shot In Injun  
Open Flow /10ths Water in..... Inch  
/10ths Merc. in..... Inch  
Volume..... Cu. Ft.  
Rock Pressure..... lbs..... hrs.  
Oil..... bbls., 1st 24 hrs.  
Fresh water 95 feet..... feet  
Salt water 1447-1796 feet..... feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	No record	No record	Size of
8 1/4	1171	1171	
6 5/8	1522	1522	Depth set
5 3/16	1945	1945	
3			Perf. top
2	2003	2003	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED..... SIZE..... No. FT..... Date  
**Not cemented**  
COAL WAS ENCOUNTERED AT 640 FEET 36 INCHES  
..... FEET..... INCHES..... FEET..... INCHES  
..... FEET..... INCHES..... FEET..... INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Red Rock			0	50			
Lime			50	115	Water	95	
Red Rock			115	145			
Lime			145	195			
Slate			195	270			
Sand			270	330			
Lime			330	350			
Red Rock			350	390			
Lime			390	445			
Red Rock			445	480			
Lime			480	492			
Red Rock			492	504			
Lime Shells			504	550			
Sand			550	590			
Slate			590	605			
Sand			605	630			
Lime			630	640			
Coal			640	643			
Lime			643	663			
Slate			663	680			
Lime			680	710			
Slate			710	764			
Lime			764	794			
Red Rock			794	850			
Lime			850	895			
Red Rock			895	910			
Slate			910	930			
Little Dunkard Sand			930	980			
Slate			980	1050			
Lime Shells			1050	1090			
Big Dunkard Sand			1090	1125			
Slate			1125	1139			
Sand			1160	1180			
Slate			1180	1194			
Lime			1194	1214			
Slate			1214	1240			
Lime			1240	1272			
Slate			1272	1300			
Lime			1300	1315			
Slate			1315	1329			
Sand			1329	1333			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate-Shells			1333	1393			
Lime			1393	1403			
Slate			1403	1420			
First Salt Sand			1420	1491	Water	1447	
Lime			1491	1510			
Second Salt Sand			1510	1575			
Slate			1575	1579			
Third Salt Sand			1579	1645			
Slate			1645	1675			
Sand			1675	1715			
Slate			1715	1785			
Maxon Sand			1785	1826	Show Oil & Water-	1790-1796	
Slate			1826	1834			
Big Lime			1834	1935			
Big Injun Sand			1935	1941			
Lime			1941	1948			
Big Injun Sand			1948	2025	Show Gas Oil	1964-1977 1977-1979	
Squaw Sand			2040	2046			
			Total Depth-----	2060			

Date August 21, 1938

APPROVED Milliken & Snider, Owner

By *A. M. Snider*  
(Title)