



New Location
 Drill Deeper
 Abandonment

Company N.M. Welch et al, Don Hardman Agt.
 Address 4001 Jefferson St., Parkersburg, W. Va.
 Farm Hartzel Riddle Jr.
 Tract 1 Acres 200 Lease No. _____
 Well (Farm) No. 3 Serial No. _____
 Elevation (Spirit Level) 845'
 Quadrangle HOLBROOK SW
 County RITCHIE District UNION
 Engineer Parker E. Peters
 Engineer's Registration No. 485
 File No. _____ Drawing No. _____
 Date APRIL 6, 1961 Scale 1" = 40P

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

WELL LOCATION MAP
 FILE NO. Rit-2350

+ 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 //

Quadrangle Holbrook

Permit No. RIT-2350

WELL RECORD

Oil or Gas Well Both
(KIND)

Company Junior Riddle O & G Co # 3 & 4
Address Harrisville, W. Va.
Farm Hartsel Riddle, Jr. Acres 203
Location (waters) Spruce Creek
Well No. 3 Elev. 845'
District Murphy Union County Ritchie
The surface of tract is owned in fee by Jr. Riddle
Address Burnt House, WVa
Mineral rights are owned by Junior Riddle, Jr.
Address Burnt House, WVa
Drilling commenced May 26, 1961
Drilling completed July 16, 1961
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	17	17	
18			
10	396		Size of
8 1/4	977		
6 5/8			Depth set
5 3/16			
4 1/2		2265	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 4 1/2 SIZE 2265 No. Ft. 6-29-61 Date
160 Sacks Cement; 5 Sacks Acquagel
LAWSON
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

WELL FRACTURED See back of paper

RESULT AFTER TREATMENT

Oil + Gas Volumes ??

ROCK PRESSURE AFTER TREATMENT

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	15			
Red Rock			15	30			
Sand			30	40			
Lime			40	60			
Slate & Sh			60	110			
Slate			110	125			
Red Rock			125	155			
Slate & Sh			155	165			
Red Rock			165	200			
Slate & Sh			200	225			
Sand			225	250			
Slate & Sh			250	267			
Red Rock			267	285			
Slate & Sh			285	300			
Sand			300	310			
Red Rock			310	320			
Slate Sh			320	435			
Red Rock			435	460			
Slate Sh			460	475			
Red Rock			475	478			
Slate & Sh			478	610			
Red Rock			610	630			
Slate & Sh			630	665			
Lime			665	687			
Red Rock			687	740			
Lime			740	760			
Slate & Sh			760	790			
Sand			790	833			

Formation	Color	Hard or Soft	Top //	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate			833	860			
Sand			860	875			
Slate			875	946			
Lime			946	955			
Sand			955	1045			
Lime			1045	1070			
Sand			1070	1130	Gas	1090	
Slate			1130	1160			
Sand			1160	1240			
Slate			1240	1244			
Sand			1244	1290			
Lime			1290	1310			
Sand			1310	1528	Gas	1492	
Slate			1528	1575			
Lime			1575	1600			
Slate			1600	1672			
Sand			1672	1687			
Lime			1687	1705			
Slate			1705	1710			
Lime			1710	1817	Gas	1812-15	
Sand			1817	1890			
Slate			1890	1990			
Smoke Rock			1990	2020	Gas	1995-	
Slate Sh			2020	2080	Oil	2000	
Weir			2080	2140			
Slate Sh			2140	2170			
Slate			2170	2196			
Lime Sh			2199				
Slate			2224				
T. D.			2265				
<p>FRACTURE Treating Materials, Dowel X 200 gal; J-84 400#; J-98 200#; Deterger 20 gal; Sand 10-20 34,000#. Run 200 gal of acid; sand 1 1/2 lb per gal. The treating pressure 1900; five holes from 1843 to 1846. Formation broke at 1700--Barrels of fluid 1186. Gas not taken after fracture, or pressure.</p>							

Date 5/16/10, 1910

APPROVED Junior Biddle O & S, Owner

By J. H. ...
(Title)