

Revised x 9/58

New Location X
 Drill Deeper
 Abandonment 5-SW (H-5₂)

4.58-3
~~4.59 S.~~
~~4.15 W~~
 4.11-W

LOC. 3.7 M. N.E. OF RIPLEY

Company COLUMBIAN CARBON CO.
 Address BOX 373 CHARLESTON W.VA.
 Farm W.S. CASTO ET AL
 Tract _____ Acres 174 1/4 Lease No. CT-123
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 726.2
 Quadrangle RIPLEY S.W. -5- C
 County JACKSON District RIPLEY
 Engineer J.M. Sell
 Engineer's Registration No. 772
 File No. _____ Drawing No. 219
 Date JUNE 5, 1943 Scale 1" = 650'

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

WELL LOCATION MAP
 FILE NO. JAC-388-RW

+ 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.

WORKOVER

192-094
 192-094 192-094 Deep Well V

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. Jac 388
Ripley S.W. Quad.
Company
Address
Farm
Location
Well No
District
Surface
Mineral
Commenced
Completed
Date shot

Volume
Rock Pressure
Fresh Water

Salt Water

Gas Well
CASING & TUBING

Columbian Carbon Co.
Box 873, Charleston 23, W.Va. 16 43 Same
W.S. Casto et al Acres 174½ A 13 3/8 622' 11 None
Sycamore Creek 10½ 1100' 2 None
1 (GW-719) Elev. 729.0 DF (24#) 35/8 2007 None
Ripley Jackson County (20#) 8 5/8 122' 7 Same
W.S. Casto, Ripley, W.Va. (93½) A. 6 5/8 4798' 11 "
Same 2 3/8 5039' 3 "
6-30-43 Liners used
10-10-43 3½" 76' 3 "
10-10-43 Depth 4976' to 5016'
with 266 2/3# Galatin No coal
3449 MCF
1525 lbs. 48 hrs.
275-300' 2½-14" Blr. 1 hr.;
870-875' 1 blr. pr. hr.
1720' H.F.

Red Rock	0	45	Sand	1914	1950
White Shale	45	55	Dark Shale	1950	1964
Sand	55	80	Sand	1964	1990
Red Rock	80	110	Shale	1990	1998
Sand	110	125	Sand	1998	2040
Red Rock	125	155	Shale & Shells	2040	2115
Sand	155	195	Sand	2115	2165
Blue Shale	195	220	Shale	2165	2393
Lime	220	230	Lime	2395	2410
Red Rock	230	245	Shale & Shells	2410	3875
Sand	245	325	Brown Shale - 441	3875	3950
Red Rock	325	335	Slate & Shells	3950	4050
Lime	335	355	Brown Shale	4050	4090
Red Rock	355	430	Slate	4090	4580
White Slate	430	460	Brown Shale	4580	4655
Red Rock	460	490	Black Shale - <i>Marcus</i>	4655	4873 SLM
Lime	490	495	Corniferous Lime SLM	4873	4977 SLM #463
Red Rock	495	535	Oriskany Sand SLM	4977	5037
Sand	535	600	Lime <i>3 bed</i>	5037	5048
White Slate	600	615	Oriskany Sand	5048	5065
Sand	615	625	Lime	5065	5074 SLM
White Shale	625	637	TOTAL DEPTH		5074 SLM
Lime	637	640			5078 DLM
Slate	640	675			
Sand	675	710			
Slate	710	720			
Red Rock	720	755			
Shale	755	763			
White Slate	763	810			
Red Rock	810	850			
Sand	850	885			
Slate	885	915			
Lime	915	925			
Slate	925	935			
Red Rock	935	960			
Slate & Shells	960	1020			
Slate	1020	1040			
Blue Slate	1040	1045			
Red Rock	1045	1055			
Slate & Shells	1055	1135			
Sand	1135	1230			
& Shells	1230	1305			
	1305	1450			
	1450	1490			
	1490	1520			
	1520	1595			
	1595	1759			
	1759	1762			
	1762	1790			
	1790	1914			

PAYS: 4979'; 4995'-5004'; 5006'-5009'
Show Gas 3075'; 3870' Show; Show Gas
4873'; Gas 4977' Show

CEMENT RECORD: 7-9-43 13 3/8" casing.
Ran 16 sacks Aquagel and 1 bale Fibrotex
Circulation 175'; Returns 468'.
7-23-43 10½" casing. Ran 20 sacks
Aquagel and 1 bale Fibrotex. Returns
830'.
8-20-43 8 5/8" casing. Ran 24 bags
Aquagel and 50# Fibrotex. Circulation
while mixing. Returns 1875'.
9-22-43 6 5/8" casing. Ran 50 bags
Aquagel and 4 bales Fibrotex. Ran 4
bags Aloha Cement in dump bsilor. Pipe
went back to bottom. Returns 3500'.

Delbert Lawson, Cementer, Columbian
Carbon Company Crew.

4873	4977	5065
729	729	729
<hr/>		
4144	4248	4336



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION //
----- R E - D R I L L -----
WELL RECORD

Quadrangle Ripley
Permit No. JAC-388 - Re-drill

Oil or Gas Well Storage
(KIND)

Company United Fuel Gas Company
Address P.O. Box 1273; Charleston 25, W. Va.
Farm Iva Casto, et al Acres 100
Location (waters) Sycamore Creek
Well No. X59-7352 Elev. 729
District Ripley County Jackson, W. Va.
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by Gene A. Casto, Agent, et al
Box 266 Address Ripley, W. Va.

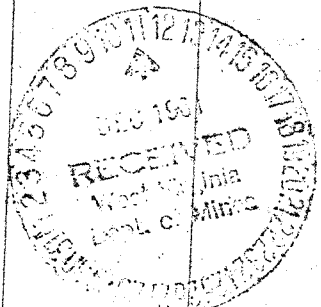
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 3/8	Cemented	80'	
10			Size of
8 1/4			
al 6 1/4			Depth set
5 3/16			
3 1/2	Cemented	5038	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

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

Drilling commenced _____
Drilling completed Shut in 9-19-58
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume Storage Observation Well Cu. Ft. _____
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED _____

RESULT AFTER TREATMENT _____
ROCK PRESSURE AFTER TREATMENT _____
Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red Rock			0	45	Gas show	3075'; 3870'; 4873'; 4977'.	
White Shale			45	55			
Sand			55	80	Gas	4979, 4995-5004'; 5006-5009'.	
Red Rock			80	110			
Sand			110	125			
Red Rock			125	155			Perforated 8-14-58 from 4979-5009'.
Sand			155	195			
Blue Shale			195	220			Test before acidized 39/10 W 1" 66 M
Lime			220	230			Acidized 8-18-58 with 2000 gallons acid
Red Rock			230	245			Test after acidized 4/10 W 2" 84 M.
Sand			245	325			
Red Rock			325	335			
Lime			335	355			
Red Rock			355	430			Storage Observation Well
White Slate			430	460			
Red Rock			460	490			
Lime			490	495			
Red Rock			495	535			
Sand			535	600			
White Slate			600	615			
Sand			615	625			
White Shale			625	637			
Lime			637	640			
Slate			640	675			
Sand			675	710			
Slate			710	720			
Red Rock			720	755			
Shale			755	763			
White Slate			763	810			
Red Rock			810	850			



Formation	Color	Hard or Soft	Top //	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			830	885			
Slate			885	915			
Lime			915	925			
Slate			925	935			
Red Rock			935	960			
Slate & Shells			960	1020			
Slate			1020	1040			
Blue Slate			1040	1045			
Red Rock			1045	1055			
Slate & Shells			1055	1185			
Sand			1185	1230			
Slate & Shells			1230	1305			
Sand			1305	1450			
Slate			1450	1490			
Sand			1490	1520			
Slate			1520	1595			
Sand - <i>Dark Sand?</i>			1595	1759			
Lime			1759	1762			
Dark Slate			1762	1790			
White Lime - <i>Big Lime?</i>			1790	1914			
Sand - <i>Injun? - <u>Reiner?</u></i>			1914	1950			
Dark Shale			1950	1964			
Sand			1964	1990			
Shale			1990	1998			
Sand			1998	2040			
Shale & Shells			2040	2115			
Sand <i>Injun?</i>			2115	2165			
Shale			2165	2395			
Lime			2395	2410			
Shale & Shells			2410	3875			
Brown Shale			3875	3950			
Slate & Shells			3950	4050			
Brown Shale			4050	4090			
Slate			4090	4580			
Brown Shale			4580	4655			
Black Shale - <i>MARCELLUS</i>			4655	4873			
✓ Corniferous Lime - <i>463</i>			4873	4977			
✓ Oriskany			4977	5037			
✓ Lime <i>Held</i>			5037	5048			
Oriskany Sand			5048	5065			
Lime			5065	5074			
Total Depth			5074'				

485

Date December 8, 19 61

APPROVED UNITED FUEL GAS COMPANY, Owner

By S. R. Fernald
(Title)
Supt., Civil Engineering Dept.