

LATITUDE 38° 52' 30"

LONGITUDE 100° 55' 18"



7.5 OGIS topo location

7.5' loc	<u>1.665</u>	15' loc	<u>4.545</u>
	<u>1.97W</u>	(calc.)	<u>6.87W</u>

Company _____

Farm _____

Quad Ravenswood WC

County MOUNT ALTO 7 1/2'

District MASON

District COOPER

WELL LOCATION MAP

File No. 053-0001

(was 053 80001)

Ravenswood, WV - O.

1.65 mi

1.87 mi

38°55'

Mason Co

/

4.47 S
2.00 W

* 4

1934
ANNUAL
OIL &
~~test~~ LI
MAS -
JACKS
Co #3
is Rea

8'55'

38°55'

81°55'

Ravenswood - WC

4.54 S

2.01 W

+

Mason A.

M

~~Mas-A~~

W. W. Hudson No. 1 (GW-702) Well.

Cooper District, Mason County.

By Federal Fuel Corporation.

Mas-A on map Mason

213 M. cu. ft. gas.

Located 4.54 mi. S. of 38° 55' and 2.01 mi. W. of 81° 55'—WC—Raven
wood Quadrangle.

On south side of Oldtown Creek.

1.9 mi. N. E. of Ash; 3.02 mi. S. W. of Letart.

	Top.	Bottom.	Thickness.	Elevation (ft.)
Big Lime	1533	1615	82	- 787
Big Injun Sand.....	1615?		0?	- 869?
Berea Sand	2095	2125	30	-1349
Corniferous Lime.....	4216	4219	3	-3479

Thickness, Devonian Shales, 2091 feet.

Total depth, 4219

Remarks: Completed July 1, 1930.

Salt water, 840'. Water all through Berea. Water, 4209-19'.

Shale gas, 3075-3964'.

S/G: 3075 (top) - 3964 (Rhine street on corner)
(TIOBA)

PLAT OF PROPOSED LOCATION OF WELL N^o 1

THE FEDERAL FUEL CORPⁿ

OF WEST VIRGINIA ON THE FARM OF W.W. HUDSON CONSISTING OF 273 A. 40 P. = 1st

LOCATED IN COOPER DIST - MASON CO. W. VA.

I, the undersigned hereby certify that this map is correct and shows all the information to the best of my knowledge and belief required by the oil and gas section of the mining laws of West Virginia

H. D. Stelfox

State of W. Va.
Kanawha Co - 55
Acknowledged before me a notary public this Nov. 22, 1929

My commission Expires Apr 23 1930

P. H. Walsh

Mason-2
291122

Yellow color shows Hudson Farm
copy furnished by F.F.C.

Copy Loc

Parish No. Mason

ROAD - Mason



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Dec. 6, 1929
~~July 26, 1930~~

WELL RECORD

Quadrangle _____

Permit No. Was-1

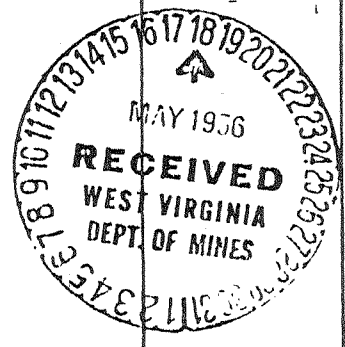
Oil or Gas Well gas
(KIND)

Company Columbian Carbon Co
 Address Box 873, Charleston 23, W. Va.
 Farm W. W. Hudson Acres 272
 Location (waters) _____
 Well No. 1 - GW-702 Elev. 746'
 District Copper County Mason
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by _____
 Address _____
 Drilling commenced 11-9-29
 Drilling completed 7-1-30
 Date Shot From 3075 To 3964
 With 950# Gelatin
 Open Flow /10ths Water in _____ Inch
 /10ths Merc. in _____ Inch
 Volume 213,000 Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water 840' 4209-19' feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer <u>Hoodwa</u>
16"			
18"	127'5"	pulled	
10"	601'7"	297'11"	Size of <u>3x6-5/8"x3</u>
8 3/4"	1183'	pulled	
6 3/4"	2147'5"	2147'5"	Depth set <u>2850'</u>
5 3/16"			
3"	3268'10"	3268'10"	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

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red Rock			0	20			
Shale			20	40			
Slate			40	45			
Lime			45	70			
Red Rock			70	80			
Blue Slate			80	125			
Sand			125	140			
Slate			140	170			
Red Rock			170	200			
Slate and Shells			200	220			
Red Rock			220	275			
Blue Slate			275	340			
Sand			340	380			
Black Slate			380	500			
Red Rock			500	530			
Slate			530	550			
Red Rock			550	585			
Slate			585	630			
Sand			630	645			
Slate			645	650			
Sand			650	660			
Slate			660	670			
Sand			670	700			
Lime			700	715			
Sand			715	740			
Slate			740	800			
Pink Slate			800	820			
Slate			820	835			
Sand			835	1015	S. water	840'	10 blrs/hr.
Slate			1015	1070			
Lime			1070	1090			
Sand			1090	1110			
Slate			1110	1200			
Lime			1200	1220			
Slate			1220	1280			
Sand			1280	1290			
Slate			1290	1310			



(Over)

Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
		1310	1380			
		1380	1410			
		1410	1470			
		1470	1480			
		1480	1520			
		1520	1523			
		1523	1530			
		1530	1533			
		1533	1615			
		1615	1860			
		1860	1865			
		1865	1923			
		1923	1931			
		1931	1940			
		1940	1950			
		1950	2040			
		2040	2043			
		2043	2095			
		2095	2125			
		2125	2225			
		2225	3075			
		3075	3171			
		3171	3232			
		3232	3424			
		3424	3540			
		3540	3840			
		3840	3964			
		3964	4219			
			4219'			
		TOTAL DEPTH	-----			
				water all way thru Berea Sand		
				gas	3171-3964'	

Date _____

APPROVED _____

By _____

(Title)

Unnamed
10

Case 1
COMPLETION DATA SHEET
NO. 2
FORMATION RECORD

Federal No.
Box 1240
Charleston, Va.

W. W. HUDSON Well No. 1

Name	Color	Character	Oil, Gas or Water	Top	Bottom	Thickness	Total Depth	Remarks
Red Rock				0	20	20		
Shale				20	40	20		
/Slate				40	45	5		
Lime				45	70	25		
Red Rock				70	80	10		
Blue Slate				80	125	45		
Sand				125	140	15		
Slate				140	170	30		
Red Rock				170	200	30		
Slate and Shells				200	220	20		
Red Rock				220	275	55		
Blue Slate				275	340	65		
Sand				340	380	40		
Black Slate				380	500	120		
Red Rock				500	530	30		
Slate				530	550	20		
Red Rock				550	570	20		
Slate				570	585	15		
Red Rock				585	595	10		
Slate				595	630	35		
Sand				630	645	15		
Slate				645	650	5		
Sand				650	660	10		
Slate				660	670	10		
Sand				670	700	30		
Lime				700	715	15		
Sand				715	740	25		
Slate				740	800	60		
Pink Slate				800	820	20		
Slate				820	835	15		
Sand				835	1015	180		
Slate				1015	1070	55		Salt Water at 840--10
Lime				1070	1090	20		bailers per
Sand				1090	1110	20		hour.
Slate				1110	1200	90		
Lime				1200	1220	20		
Slate				1220	1280	60		
Sand				1280	1290	10		
Slate				1290	1310	20		
Lime				1310	1380	70		
Sand				1380	1410	30		
Slate				1410	1470	60		
Sand				1470	1480	10		
Lime				1480	1520	40		
Slate				1520	1525	5		
Lime				1525	1550	25		
Slate				1550	1555	5		

Well was not shot at _____ feet; well was shot at _____ feet.

Fresh water at _____ feet; salt fresh water at _____ feet.

Well was producing
dry hole.

Approved _____ Owner _____

NOTE: All bottom formations must be noted as indicated above and all bar-rocks and oil and gas sands must be recorded under their proper geological names in the district as well as any local names commonly used in the district for each strata.

Name	Color	Character	Oil, Gas or Water	Top	Bottom	Thickness	Total Depth	Remarks
Lime				1638	1614	22		
Shale				1618	1640	22		
Slate				1640	1660	20		
Lime				1660	1668	8		
Slate				1668	1923	255		
Sand				1923	1931	8		
Slate				1931	1940	9		
Shells				1940	1950	10		
Slate				1950	2040	90		
Sand				2040	2043	3		
Coffee Slate				2043	2095	52		
Berea Sand				2095	2125	30		
Slate and shells				2125	2225	100		Water all way thru
Slate				2225	3075	850		Berea Sand
Light Shale				3075	3171	96		
Dark Shale				3171	3232	61		
Light Shale				3232	3424	192		
Dark Shale				3424	3540	116		
Light Shale				3540	3640	100		
Dark Shale				3640	3964	324		
Corniferous Lime				3964	4219	255	4219	

WATER 4209-4219
 HELDERBERG 4216-4219 (TD)

Well was shot at 3075 3530 feet, well was shot at _____ feet.

Salt water at 840 feet, fresh water at _____ feet.

Well was producing dry hole.

Date April 1 - 1920 Approved Federal Fuel Corp. Owner

NOTE: All bottom formations must be noted as indicated above and all key-rooms and all sand and gas sands must be recorded under their proper geological names in the district as well as any local names commonly used in the district for such strata.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Ord. July 1930

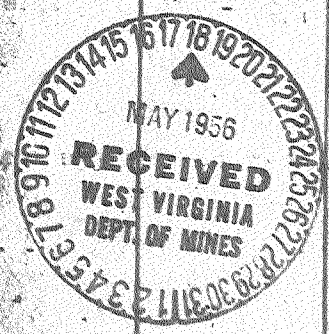
Quadrangle _____ Permit No. Was-1 **WELL RECORD** Oil or Gas Well Gas

Company Columbian Carbon Co.
Address Box 873, Charleston 23, W. Va.
Farm W. W. Hudson Acres 272
Location (waters) _____
Well No. 1 - GW-702 Elev. 746'
District Copper County Mason
The surface of tract is owned in fee by _____
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Mineral rights are owned by _____
Address _____
Drilling commenced 11-9-29
Drilling completed 7-1-30
Date Shot From 3075 To 3964
With 950# Gelatin
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume 213,000 Cu. Ft.
Rock Pressure _____ lbs. hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet
Salt water 840' 4209-19' feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16"			Kind of Packer <u>Hookwall</u>
12"	<u>127'5"</u>	<u>pulled</u>	
10"	<u>601'7"</u>	<u>297'4"</u>	Size of <u>3x6-5/8"x3</u>
8 1/2"	<u>1183'</u>	<u>pulled</u>	
6 3/4"	<u>2147'5"</u>	<u>2147'5"</u>	Depth set <u>2850'</u>
5 3/16"			
2"	<u>3268'10"</u>	<u>3268'10"</u>	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

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
ed Rock			0	20			
hale			20	40			
late			40	45			
ine			45	70			
ed Rock			70	80			
ue Slate			80	125			
nd			125	140			
ate			140	170			
d Rock			170	200			
ate and Shells			200	220			
d Rock			220	275			
ue Slate			275	340			
nd			340	380			
ack Slate			380	500			
d Rock			500	530			
ate			530	550			
d Rock			550	585			
ate			585	630			
nd			630	645			
ate			645	650			
nd			650	660			
ate			660	670			
nd			670	700			
ne			700	715			
nd			715	740			
ate			740	800			
nk Slate			800	820			
ate			820	835			
nd			835	1015			
be,			1015	1070			
ne			1070	1090			
d			1090	1110			
te			1110	1200			
e			1200	1220			
te			1220	1280			
d			1280	1290			
te			1290	1310			



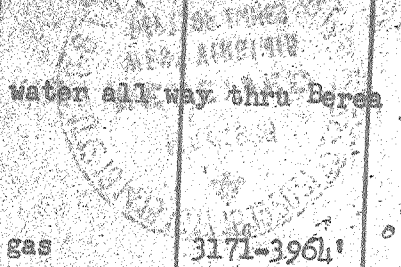
S. water 840' 10 blrs/hr.

(Over)

Formation	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime	1310	1380			
Sand	1380	1410			
Slate	1410	1470			
Sand	1470	1480			
Lime	1480	1520			
Slate	1520	1523			
Lime	1523	1530			
Slate	1530	1533			
Lime	1533	1615			
Shale	1615	1860			
Lime	1860	1865			
Slate	1865	1923			
Sand	1923	1931			
Slate	1931	1940			
Shells	1940	1950			
Slate	1950	1850			
Sand	1850	2040			
Coffee Shale	2040	2043			
Berea Sand	2043	2095			
Slate & Shells	2095	2125			water all way thru Berea Sand
Slate	2125	2225			
Light Shale (gas)	2225	3075			
Dark Shale (gas)	3075	3171			
Light Shale (gas)	3171	3232			
Dark Shale (gas)	3232	3424	gas	3171-3964'	
Light Shale (gas)	3424	3540			
Dark Shale (gas)	3540	3840			
Corniferous Lime	3840	3964			
	3964	4219			
TOTAL DEPTH		4219'			

L. HUBER
(TOP Q)

JANA
RHINES



MAILED RECORD

APPROVED _____ Date _____ 19__
 By _____ Owner _____
 (Title)