

DEGREE OF ACCURACY
One Part in 200'

BENCH MARK
U.S.G.S. Triangulation Station Stamped
"Casto 1956" and along Secondary
Route No 11/3 and about 1000' from
Intersection of Secondary Route No 11.
Elev. 1025.00'

- Fracture Before 6/5/29
- New Location
- Drill Deeper
- Redrill
- Abandonment
- Part Plug 9/2/78

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by Paragraph 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.
The accuracy of this survey is within the limits and as prescribed in Paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.

Company COLUMBIA GAS TRANS CORP
 Address CHARLESTON W.VA.
 Farm CABOT CORPORATION, ETAL
 Fract. _____ Acres 251.5 Lease No. 64436
 Well (Farm) No. _____ Serial No. 9572
 Elevation (Spirit Level) 666.85'
 Quadrangle RIPLEY W.V.
 County JACKSON District RAVENSWOOD
 Engineer Adrian E. Hardman
 Engineer's Registration No. 2330
 File No. 56-27 Drawing No. _____
 Date 4-16-70 Scale 1" = 400'

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

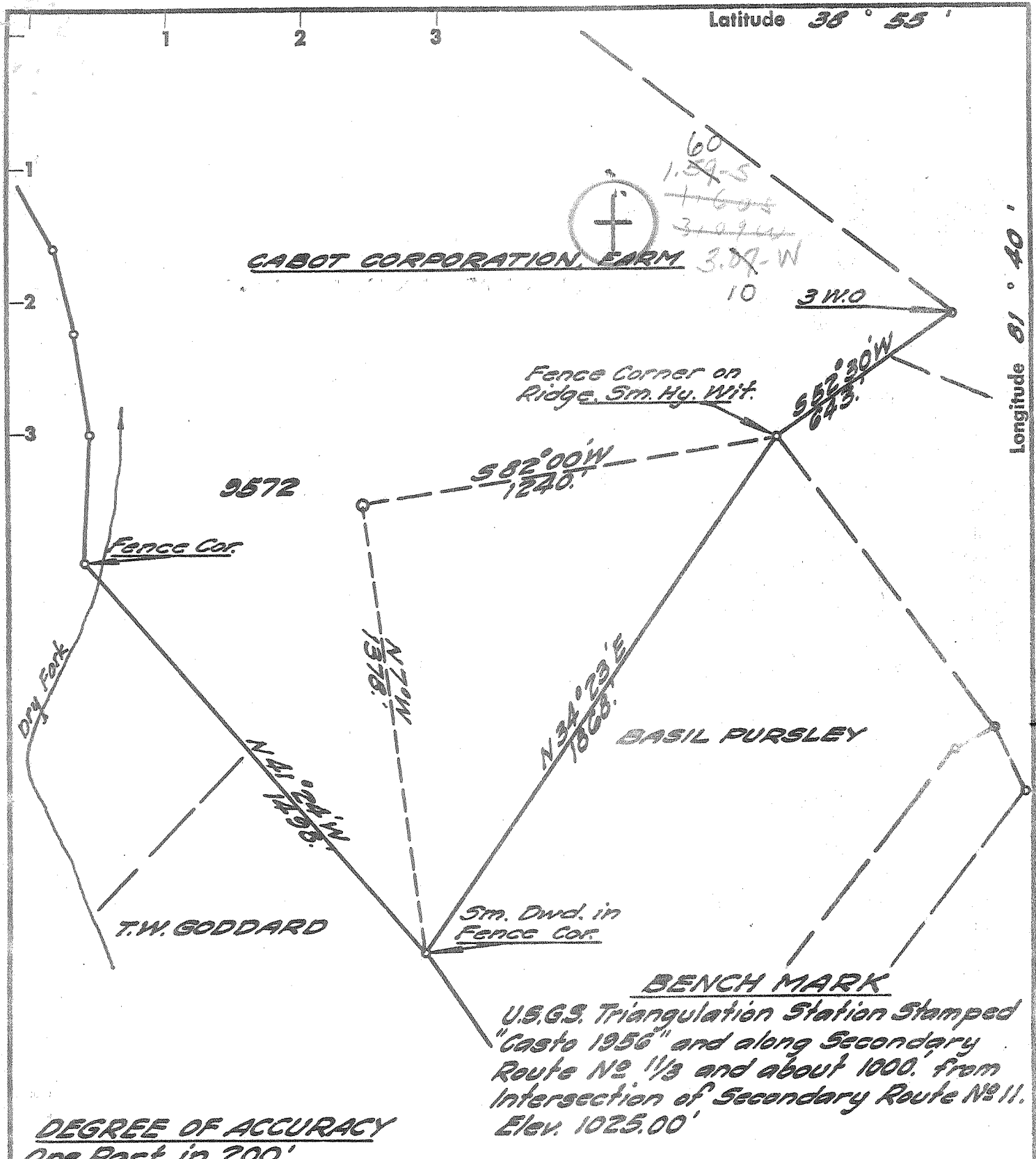
WELL LOCATION MAP
FILE NO. Jac-1224-PP

+ 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.

47-035 SEP 19 1978

Deep Well



BENCH MARK
 U.S.G.S. Triangulation Station Stamped
 "Casto 1956" and along Secondary
 Route No. 11/3 and about 1000' from
 Intersection of Secondary Route No. 11.
 Elev. 1025.00'

DEGREE OF ACCURACY
 One Part in 200.'

Fracture	
Before 6/5/29	<input type="checkbox"/>
New Location	<input checked="" type="checkbox"/>
Drill Deeper	<input type="checkbox"/>
Redrill	<input type="checkbox"/>
Abandonment	<input type="checkbox"/>

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Company	UNITED FUEL GAS CO.
Address	CHARLESTON W.VA.
Farm	CABOT CORPORATION, ET AL.
Tract	Acres 251.5 Lease No. 64436
Well (Farm) No.	Serial No. 9572
Elevation (Spirit Level)	666.85'
Quadrangle	RIPLEY WC
County	JACKSON District RAVENSWOOD
Engineer	Adrian E. Hardman
Engineer's Registration No.	2336
File No.	56-97 Drawing No.
Date	4-16-70 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. Jac-1224

+ 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.

66 Ripley 311

Deep Newburn

AUG 7 1970

RECEIVED

OCT 8 1970

Form OG-10



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle Ripley
Permit No. JAC 1224

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company United Fuel Gas Company
Address P. O. Box 1273, Chas., W. Va.
Farm Cabot Corporation Acres 251-1/2
Location (waters) Crooked Run 679' KB.
Well No. 9572 Elev. 667'
District Ravenswood County Jackson
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced August 6, 1970
Drilling completed August 17, 1970
Date Shot _____ From _____ To _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13 3/8	57'	57'	
9-5/8	2386'	2386'	Size of
8 1/2	5449'	5449'	Depth set
6 3/4			
5 3/16			
4 1/2			
3			Perf. top
2 3/8	5451'	5451'	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 15 MMCF Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____

Attach copy of cementing record.
CASING CEMENTED 7" SIZE 5405 No. Ft. _____ Date _____
Amount of cement used (bags) 150 Skts.
Name of Service Co. Halliburton
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

WELL FRACTURED (DETAILS) Mud Acid-500 Gal.; Fill up-8000 Gal.; Breakdown-8500 Gal.;
Treating-12,000 Gal.; Overflush-8000 Gal.; Sand 20-40=24,000#, 10-20=17,000#

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 29,221 Mcf. Four Point Potential Test
ROCK PRESSURE AFTER TREATMENT _____ HOURS
Fresh Water _____ Feet Salt Water _____ Feet
Producing Sand Newburg Depth 5500'

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red Rock	and Sand		0	800			
Sand and Shale			800	1700			
Big Lime			1700	1775			
Injun Sand			1775	1825			
Sand and Shale			1825	2312			
Berea			2312	2320			
Sand and shale			2320	2386			
Shale			2386	4613			
Corn. Lime	<u>ALB</u>		4613	4704			
Sand and Lime	<u>ORISKANY</u>		4704	4749			
Dolomite	<u>HELDERSBERG</u>		4749	5405			
Dolomite	<u>SABINA</u>		5405	5452			
Newburg			5452	5461			
Time and Dolomite	<u>McKenzie</u>		5461	5494			
Total Depth			<u>545</u>	5494'			
							Test before fracturing: 15 MMCF
							Final Open Flow: 35 MMCF (Static Side Test)
							Four Point Potential Test-29,221 Mcf
							Casing Points 1893.2 psi
							13-3/8" 64' Cemented 60 Sk
							9-5/8" 2377' Cemented 750 Sk
							7" 5405' Cemented 150 Sk
							Logs Run: Gamma Ray & Density
							Permit No: JAC 1224
							Shut In 7" Casing 8-17-70