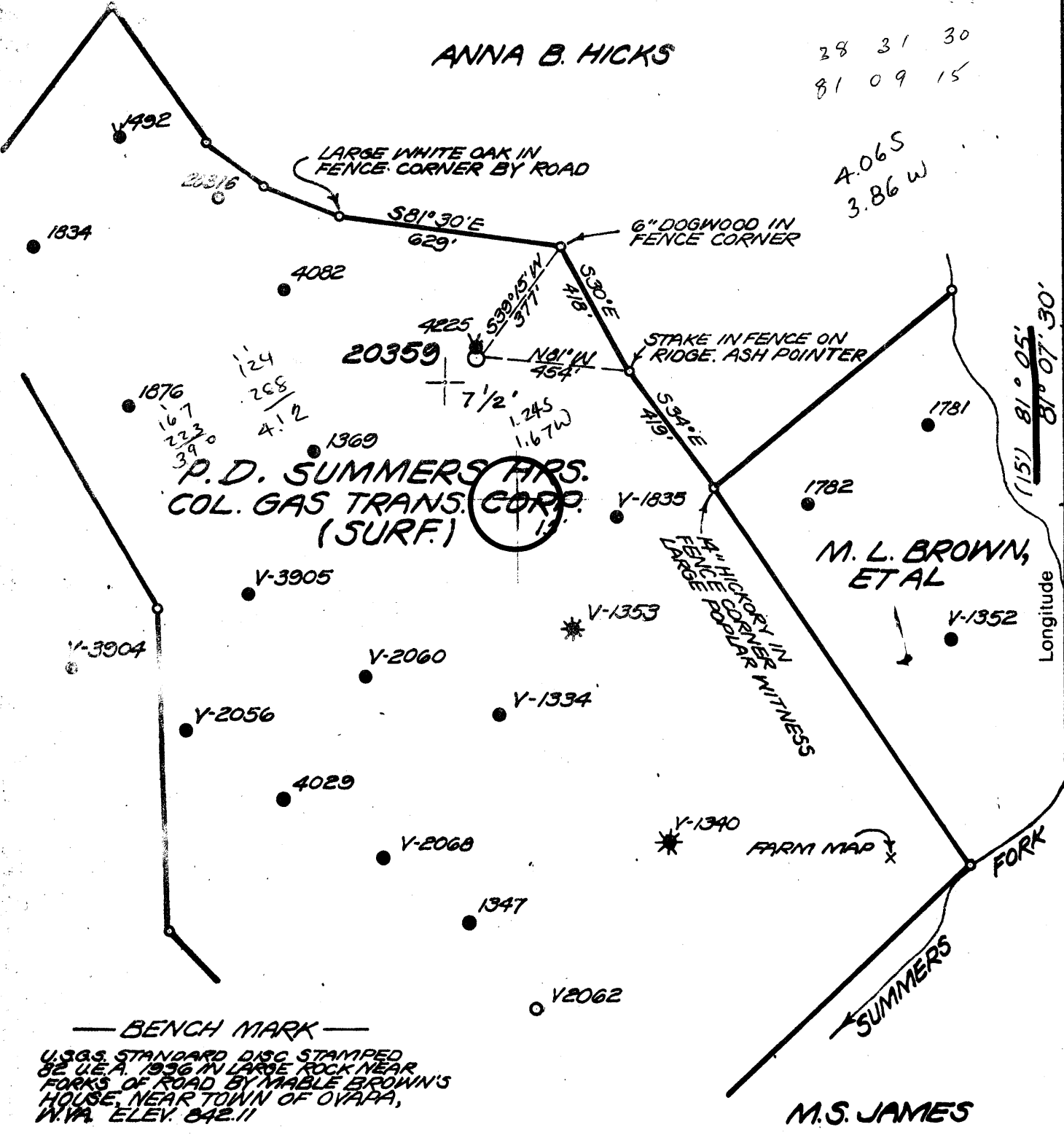


Latitude (15') $38^{\circ} 32' 30''$
 $38^{\circ} 35'$



BENCH MARK
 U.S.G.S. STANDARD DISC STAMPED
 82 U.S.A. 1936 IN LARGE ROCK NEAR
 FORKS OF ROAD BY MABLE BROWN'S
 HOUSE, NEAR TOWN OF OYARA,
 W.VA. ELEV. 842.11

- New Location
- Storage
- Drill Deeper
- Abandonment
- Re-Drill/Fracture

"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 the rules and regulations of the oil and gas section of the mining laws of W. VA.
 Minimum degree of accuracy is one part in 200
 L.S. No 102
 BOX 1273 CHARLESTON, W.VA. Signed David H. Bell

Company COLUMBIA GAS TRANS. CORP.
 Address BOX 1273 CHARLESTON, W.VA.
 Farm P.D. SUMMERS, HRS.
 Lease 17214, 16933, 16934 Acres 135
 Well Farm No. 22 Ser. No. 20359
 Elevation - Spirit Level 1080' SC
 Quadrangle 7 1/2' NEWTON; other 15'
 Township or District HENRY
 County CLAY
 Sec., Lot, Qr. _____ T _____ R _____
 Coordinates LAT. 38° 31' 25" LONG. 81° 09' 20"
 File No. 86-71 Dwg. No. _____
 Date 7-26-76 Scale 1" = 400'

WELL LOCATION MAP
 STATE OF WEST VIRGINIA

(+) Denotes Values Of Well On United States Topographic Maps

CLA - 1183
 Scale 15' 7 1/2'

47-015



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

RECEIVED
MAY 1 1978
OIL & GAS DIVISION
DEPT. OF MINES

Rotary
Spudder
Cable Tools
Storage

Quadrangle Newton
Permit No. CLA-1183

WELL RECORD

Oil or Gas Well _____ (KIND)

Company <u>Columbia Gas Trans Corp</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>P. O. Box 610</u>	Size			Kind of Packer
Farm <u>Clendenin West Virginia</u> Acres <u>135</u>	16			Size of
Location (waters) <u>Summers Fork</u>	13			Depth set
Well No. <u>2059</u> Elev. <u>1080</u>	10			Perf. top
District <u>Henry</u> County <u>Clay</u>		<u>31</u>	<u>31</u>	Perf. bottom
The surface of tract is owned in fee by <u>Columbia Gas Trans</u>	<u>6 3/8</u>	<u>625</u>	<u>625</u>	Perf. top
<u>P.O. Box 1273</u> Address <u>Charleston WV</u>	<u>5 3/16</u>	<u>1385</u>	<u>1385</u>	Perf. bottom
Mineral rights are owned by <u>Columbia Gas Trans</u>	<u>4 1/2</u>			
<u>P.O. Box 1273</u> Address <u>Charleston WV</u>	<u>3</u>			
Drilling commenced <u>7-28-76</u>	<u>2</u>			
Drilling completed <u>10-12-76</u>	Liners Used			
Date Shot _____ From _____ To _____				
With <u>N/A</u> <u>Water Well</u>				
Open Flow <u>/10ths Water in</u> _____ Inch	Attach copy of cementing record.			
<u>/10ths Merc. in</u> _____ Inch	<u>5 1/2</u> <u>1383</u> <u>9-10-76</u>			
Volume <u>N/A</u> _____ Cu. Ft.	CASING CEMENTED <u>7"</u> SIZE <u>625</u> No. Ft. <u>8-24-76</u> Date			
Rock Pressure <u>N/A</u> _____ lbs. _____ hrs.	Amount of cement used (bags) <u>7"-90</u> Bags <u>5 1/2"-50</u> Bag			
Oil <u>N/A</u> _____ bbls., 1st 24 hrs.	Name of Service Co. _____			
WELL ACIDIZED (DETAILS) <u>N/A</u>	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
WELL FRACTURED (DETAILS) <u>Treating PSI 2800#, 1000 bbl of water, 500 gal reg acid</u>				
<u>20,000# 20/40 Sand,</u>				
RESULT AFTER TREATMENT (Initial open Flow or bbls.) <u>N/A</u>				
ROCK PRESSURE AFTER TREATMENT <u>N/A</u> HOURS _____				
Fresh Water _____ Feet <u>130</u> Salt Water _____ Feet <u>1365</u>				
Producing Sand <u>Salt Sand</u> Depth <u>1290-1388</u>				

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Top			0	5			
Sand			5	35			
Shell			35	75			
Red Rock			75	105			
Shell			105	130			
Sand			130	150	Water		
Red Rock			150	165			
Shell			165	185			
Slate			185	216			
Sand			216	340			
Slate			340	350			
Sand			350	385			
Shell			385	435			
Sand			435	655			
Slate			655	690			
Sand			690	810			
Shell			810	865			
Sand			865	905			
Shell			905	1055			
Sand			1055	1080			
Shell			1080	1165			
Sand			1165	1185			
Shell			1185	1205			
Sand			1205	1240			
Shell			1240	1290			
Sand			1290		Water	1365	
TD				1388			



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JUL 29 1976

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE July 29, 1976

Surface Owner Columbia Gas Trans. Corp.
Address P.O. Box 1273, Charleston, W. Va.

Company Columbia Gas Trans. Corp.
Address P.O. Box 1273, Charleston, W. Va. 253

Mineral Owner Richard A. Rowland, Atty. in
Address 314 Wooster Rd., Mt. Vernon, O. Fact.

Farm P.D. Summers Hrs. Acres 135

Coal Owner Same as above

Location (waters) Summers Fork

Address _____

Well No. 20359 Elevation 1080'

Coal Operator Not Operated

District Henry County Clay

Address _____

Quadrangle Newton

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22,
of the W. Va. Code, the location is hereby approved
for drilling. This permit shall expire if
operations have not commenced by 11-29-76

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Martin Nichols
548-6993
PH: _____ ADDRESS Clendenin, W. Va.

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated November 11 19 19 by Ervin G. Summers, etal made to United Fuel Gas Co. and recorded on the 11th day of November 19 19 in Clay County, Book 11 Page 108

NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey
P. O. Box 879
Morgantown, W. Va. 26505

Very truly yours, COLUMBIA GAS TRANS. CORP.

(Sign Name)
Well Operator
Director, Exploration and Dev.
P.O. Box 1273

Address
of
Well Operator

Street
Charleston
City or Town
West Virginia 25325
State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

CLAY-1883

PERMIT NUMBER

47-015

BLANKET BOND

