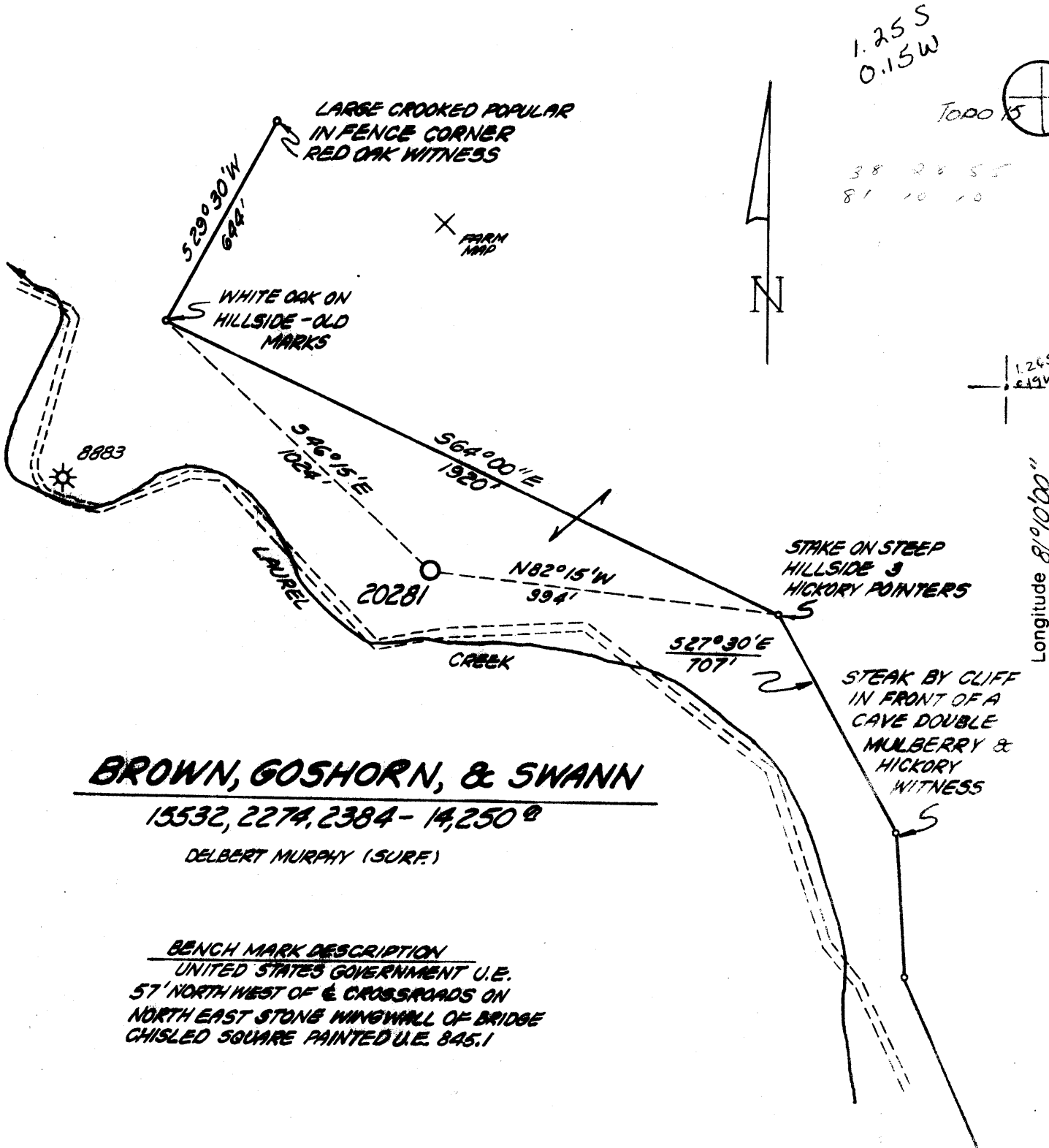


Latitude 38°30'00"



### BROWN, GOSHORN, & SWANN

1532, 2274, 2384 - 14,250 @

DELBERT MURPHY (SURF.)

**BENCH MARK DESCRIPTION**  
 UNITED STATES GOVERNMENT U.E.  
 57' NORTH WEST OF E CROSSROADS ON  
 NORTH EAST STONE WINGWALL OF BRIDGE  
 CHISELED SQUARE PAINTED U.E. 845.1

- 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 WEST VIRGINIA.  
 Minimum degree of accuracy is one part in 200

REG. ENGR. # 2330

Signed *Oliver E. Hodgman*

Company COLUMBIA GAS TRANS. CORP.  
 Address CHARLESTON, W.VA.  
 Farm BROWN, GOSHORN, & SWANN  
 Lease 1532, 2274, 2384 Acres 14,250  
 Well Farm No. 194 Ser. No. 20281  
 Elevation - Spirit Level 739.58' NW  
 Quadrangle ELKHURST, W.VA., CLAY 15'  
 Township or District HENRY  
 County CLAY  
 Sec., Lot, Gr. \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_  
 Coordinates LAT. 38°28'54" LONG. 81°10'10"  
 File No. 86-67 Dwg. No. \_\_\_\_\_  
 Date 5-13-75 Scale 1" = 400'

**WELL LOCATION MAP**  
**STATE OF WEST VIRGINIA**  
 (+) Denotes Values Of Well On United States Topographic Maps  
**FILE NO. CLA-1067**

Scale 15'  7 1/2'



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Newton  
Permit No. CLA-1067

Rotary X Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ Oil Gas  
(Kind)

Company COLUMBIA GAS TRANS. CORP.  
Address Box 1273, Chas., WV 25325  
Farm Brown, Goshorn & Swan 194 Acres 14250  
Location (waters) Laurel Creek  
Well No. 20281 Elev. 739.58  
District Henry County Clay  
The surface of tract is owned in fee by Delbert Murphy  
Address Prociuous, WV 25164  
Mineral rights are owned by J. F. Brown, et al  
Address Box 88, Chas., WV 25325  
Drilling Commenced 7/12/75  
Drilling Completed 7/19/75  
Initial open flow 50 Mcf cu. ft. 15 bbls. oil  
Final production \_\_\_\_\_ cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8		262	Cemented to surf.
7			
5 1/2			
4 1/2		1693	70 sacks
3			
2			
Liners Used			

Well treatment details: Perforated 1590-1634'; 1675-1681'. Fractured 8-19-75 with 500 gals. MCA, 400 bbls. oil, 22,500# 20/40 sand & 500# 10/20 sand, Squaw & Injun  
Attach copy of cementing record.

50MCF + 1580

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet  
Producing Sand Injun & Squaw Depth 1590-1634', 1675-1681'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Big Lime			1478	1589		
Injun			1589	1636		
Squaw			1673	1681		
Weir Silt			1681			
TOTAL DEPTH			1711			

(over)

\* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
JUN 17 1975

OIL & GAS DIV.  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE June 16, 1975

Surface Owner	<u>Delbert Murphy</u>	Company	<u>Columbia Gas Transmission Corp.</u>
Address	<u>Prociuous, W. Va.</u>	Address	<u>P. O. Box 1273, Charleston, W.Va. 25325</u>
Mineral Owner	<u>J. F. Brown Et al</u>	Farm	<u>Brown, Goshorn, Swann 14250</u> Acres
Address	<u>Box 88, Charleston, W.Va. 25321</u>	Location (waters)	<u>Laurel Creek</u>
Coal Owner	<u>Same as above</u>	Well No.	<u>20281</u> Elevation <u>739.58</u>
Address	<u></u>	District	<u>Henry</u> County <u>Clay</u>
Coal Operator	<u>Not Operated</u>	Quadrangle	<u>Elkhurst</u>
Address	<u></u>		

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 10-17-75

Robert L. Todd  
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Martin Nichols  
PH: 548-6993 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 March 7, 1905 by J. F. Brown et al made to Columbia Gas Tran. Corp and recorded on the 27 day of June 1905 in Clay County, Book 13 Page 381

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  
AC 304-296-4461

Address  
of  
Well Operator

Very truly yours, COLUMBIA GAS TRANSMISSION CORPORATION

(Sign Name) [Signature]  
Director, Exploration & Development  
P. O. Box 1273  
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.

Cl-1067 PERMIT NUMBER  
47-015

BLANKET BOND

