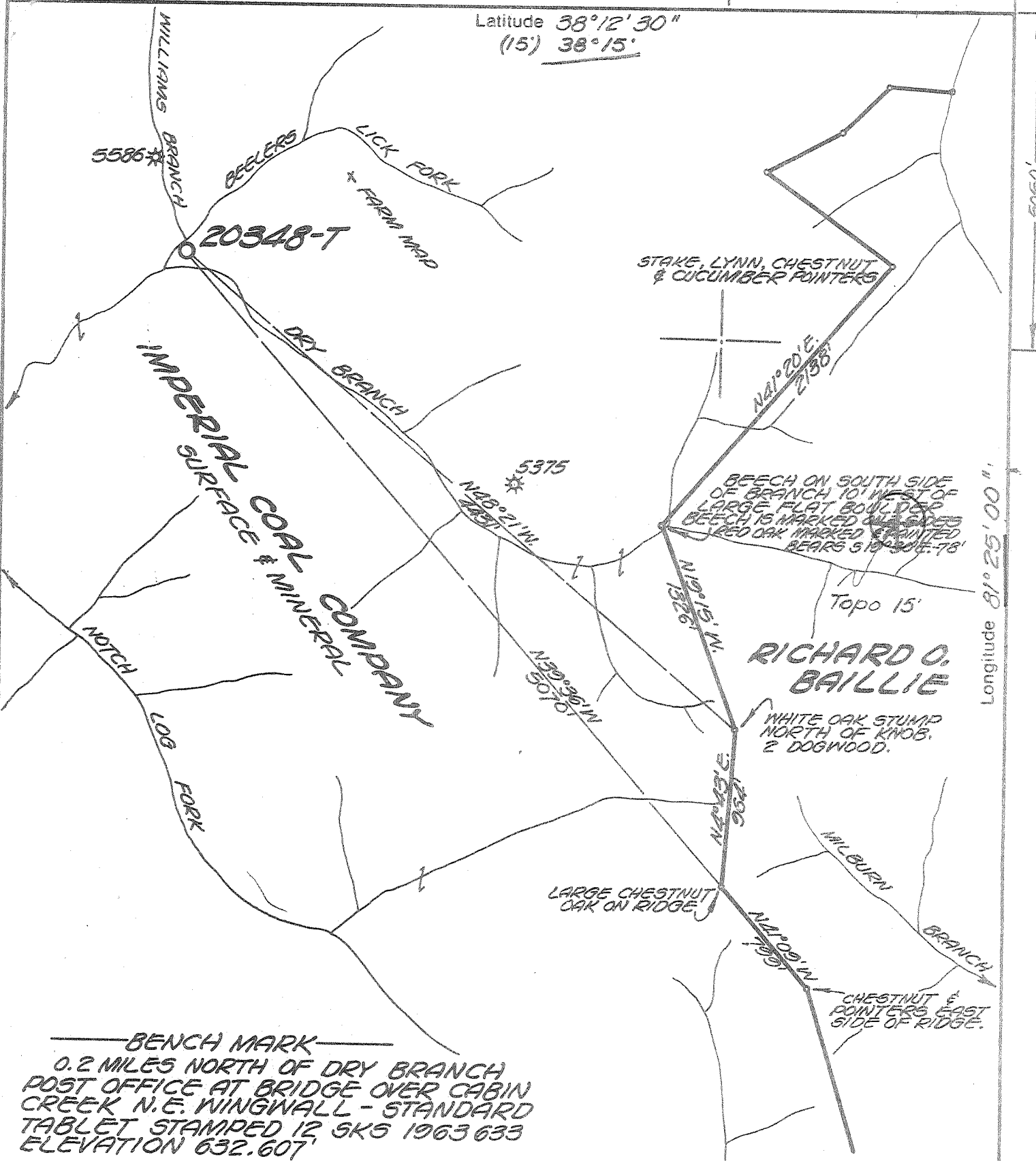


72

4350'

Latitude 38°12'30"
(15') 38°15'



BENCH MARK
0.2 MILES NORTH OF DRY BRANCH
POST OFFICE AT BRIDGE OVER CABIN
CREEK N.E. WINGWALL - STANDARD
TABLET STAMPED 12 SKS 1963 633
ELEVATION 632.60'

- 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

11/4/76
ENGR. REG. No 2330
BOX 1273 CHARLESTON, W. VA.

Signed *William E. ...*

Company COLUMBIA GAS TRANS. CORP.
Address BOX 1273 CHARLESTON, W. VA.
Farm IMPERIAL COAL COMPANY
Lease PT. 2975 Acres 3439.60
Well Farm No. 70 Ser. No. 20348-T
Elevation - Spirit Level 942.53' *NW*
Quadrangle 11 CEDAR GROVE, Montgomery 15'
Township or District CABIN CREEK
County KANAWHA
Sec., Lot, Qr. _____ T _____ R _____
Coordinates LONG 81°25'55" LAT. 38°11'40"
File No. 72-47 Dwg. No. _____
Date 4-13-76 Scale 1" = 800'

WELL LOCATION MAP
STATE OF WEST VIRGINIA
(+) Denotes Values Of Well On United States Topographic Maps

KAN - 2744 - P

Scale 15' 7 1/2'

47-033

NOV 18 1976

505-0 Indian Creek (358)

- Deep Well



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

RECEIVED

JAN 18 1977

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Cedar Grove
Permit No. KAN-2744

Rotary Oil _____
Cable _____ Gas dry
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Company <u>Columbia Gas. Trans. Corp.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P.O.Box 1273, Charleston, WV</u>				
Farm <u>Imperial Coal Co.</u> Acres <u>3439.6</u>				
Location (waters) <u>Dry Branch of Cabin Creek</u>				
Well No. <u>20348-T</u> Elev. <u>942.53</u>	Size <u>20-16"</u>	<u>44'</u>	<u>44'</u>	<u>25 sacks</u>
District <u>Cabin Creek</u> County <u>Kanawha</u>	Cond. <u>13-10" 3/8"</u>	<u>244'</u>	<u>244'</u>	<u>250 sacks</u>
The surface of tract is owned in fee by <u>Imperial Coal Co.</u>	<u>9 5/8</u>	<u>2520'</u>	<u>2520'</u>	<u>700 sacks</u>
Address <u>P.O.Box 2149 Charleston, WV</u>	<u>8 5/8</u>			
Mineral rights are owned by <u>Same</u>	<u>7</u>	<u>5604'</u>	<u>1104'</u>	<u>80 sacks</u>
Address _____	<u>5 1/2</u>			
Drilling Commenced <u>July 9, 1976</u>	<u>4 1/2</u>	<u>6952'</u>	<u>1452'</u>	<u>180 sacks</u>
Drilling Completed <u>August 5, 1976</u>	<u>3</u>			
Initial open flow <u>Show of gas</u> cu. ft. _____ bbls.	<u>2</u>			
Final production _____ cu. ft. per day _____ bbls.	Liners Used			
Well open _____ hrs. before test _____ RP.				

Well treatment details:

Attach copy of cementing record.

Fractured with 2000 gallons mud acid and 20,000 lbs. 20-40 sand. Show of gas after 24 hours.
Plugged and abandoned on 12/10/76.

Coal was encountered at 96' Feet 36" Inches
Fresh water _____ Feet Salt Water _____ Feet
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	12		
Sand			12	67		
Coal & Slate			67	72		
Sand			72	96		
Coal			96	99		
Sand & Shale			99	161		
Shale			161	280		
Sand - White			280	484		
Shale			484	1225		
Salt Sand			1225	1302		
Sand & Shale			1302	1418		
Red Rock			1418	1511		
Shale			1511	1618		
Sand & Shale			1618	1707		
Lime Shale			1707	1830		
Lime			1830	1932		
Injun			1932	1950		
Lime			1950	1981		
Red Rock			1981	2000		
Sand			2000	2210		
Shale			2210	2385		

(over)

* Indicates Electric Log tops in the remarks section.

FEB 1 1977

Formation	Color	Hard or Soft	Top Feet _S	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			2385	2416		
Shale			2416	5392		
Lime	Onondaga		5392	5495	Hole Damp	
Oriskany			5495	5547	Gas smell	
Lime	Held-Salina - McKenzie		5547	6425		
Sand	Keefe		6425	6445		
Shale	CLINTON	Rose Hill	6445	6952		
T.D.				6952		
Tuscarora at TD						

6425
952
5468

6425
952
5468

Date January 11, 1977

APPROVED [Signature], Owner

By Dir. Exploration & Development
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
MAY 27 1976

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE May 24, 1976

Surface Owner Imperial Coal Company

Company Columbia Gas Transmission Corporation

Address Box 2149, Charleston, W.Va. 25328

Address P.O. Box 1273, Charleston, WV 25325

Mineral Owner Same as above

Farm Imperial Coal Co. #70 Acres 3439.60

Address _____

Location (waters) Dry Branch of Cabin Creek

Coal Owner Same as above

Well No. 20348-T Elevation 942.53'

Address _____

District Cabin Creek County Kanawha

Coal Operator ~~xxxxxx~~ Ford Coal Company

Quadrangle Cedar Grove

Address Coalburg, W.Va.

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 10-7-76

Robert L. Jordan
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Martin Nichols
PH: 548-6993 ADDRESS Clenadin, 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 July 13 19 10 by Imperial Coal Company made to United Fuel Gas Company and recorded on the 1st day of April 19 12, in Kanawha County, Book 19 Page 527

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

Address
of
Well Operator

Very truly yours, COLUMBIA GAS TRANSMISSION CORPORATION
(Sign Name) [Signature]

Director, Exploration & Development
Post Office 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.

BLANKET BOND

Kan-2744 PERMIT NUMBER
47-039

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Rock Castle Gas Company NAME John M. Foster
 ADDRESS 504 Commerce Square, Charleston, WV ADDRESS P.O. Box 1273, Charleston, WV 25325
 TELEPHONE (304) 344-2534 TELEPHONE (304) 346-0951
 ESTIMATED DEPTH OF COMPLETED WELL: 6950' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Clinton
 TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - XX	30'		
13 - POX 3/8	600'		To Surface
9 - 5/8	2400'		
8 - 5/8			
7	5500'		
5 1/2			
4 1/2	6950'		
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title