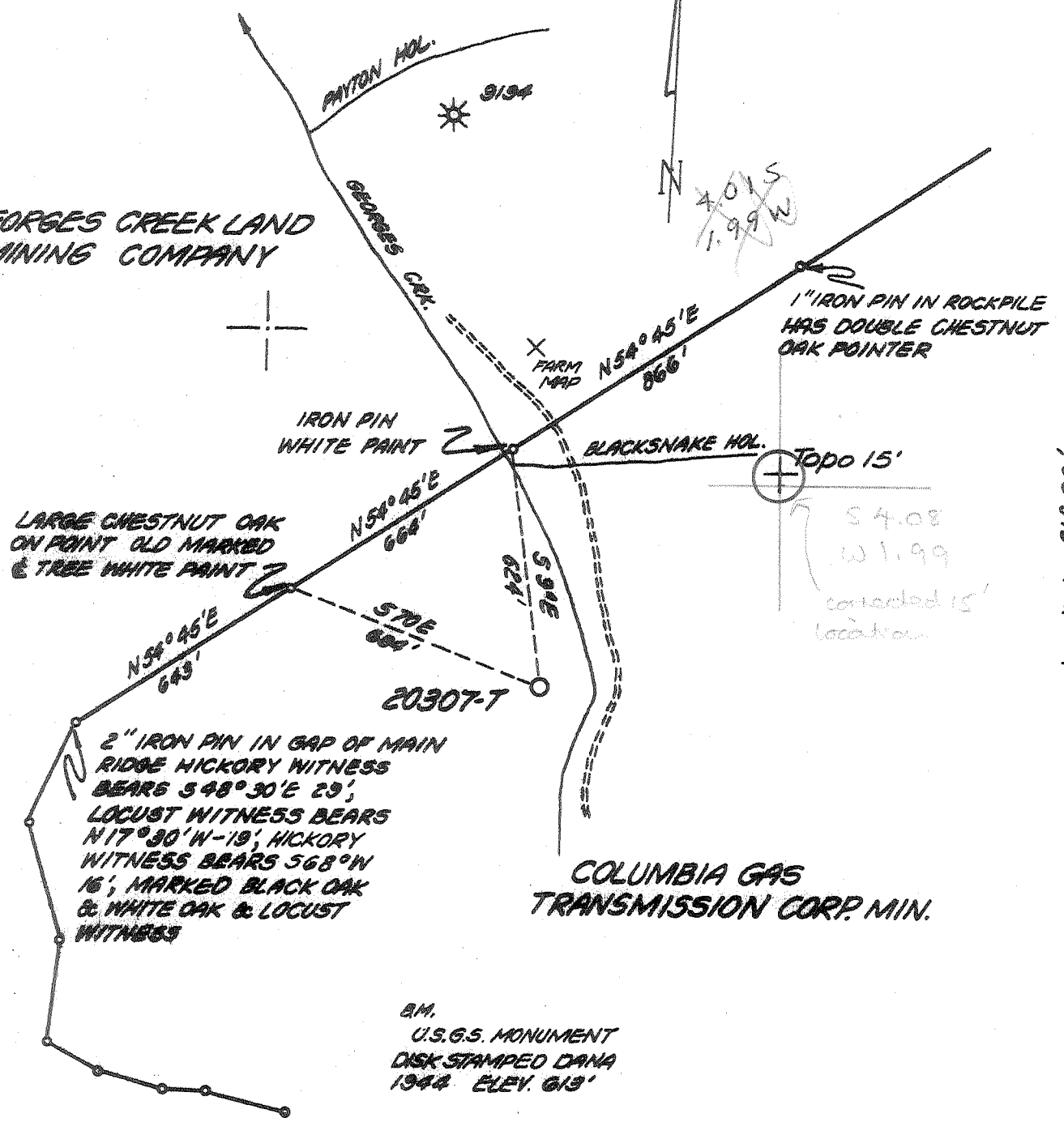


Latitude 38° 17' 30"
(15') 38° 20'

GEORGES CREEK LAND & MINING COMPANY



Longitude 81° 30'

LARGE CHESTNUT OAK ON POINT OLD MARKED & TREE WHITE PAINT

2" IRON PIN IN GAP OF MAIN RIDGE HICKORY WITNESS BEARS S 48° 30' E 29'; LOCUST WITNESS BEARS N 17° 30' W - 19'; HICKORY WITNESS BEARS S 68° W 16'; MARKED BLACK OAK & WHITE OAK & LOCUST WITNESS

COLUMBIA GAS TRANSMISSION CORP. MIN.

AM. U.S.G.S. MONUMENT DISK STAMPED DANA 1944 ELEV. 613'

- 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 *Adrian E. [Signature]*

Company COLUMBIA GAS TRANS. CORP.
 Address CHARLESTON, W.VA.
 Farm COLUMBIA GAS TRANS. CORP. MINERAL DEED 21527 Acres 6.94
 Well Farm No. 5 Ser. No. 20307-T
 Elevation - Spirit Level 908.80'
 Quadrangle 15 CHARLESTON/EAST, W.VA.
 Township or District MALDEN SE
 County KANAWHA
 Sec., Lot, Qr. _____ T _____ R _____
 Coordinates LAT. 38° 16' 26" LONG. 81° 32' 15"
 File No. 66-53 Dwg. No. _____
 Date MAY 14, 1975 Scale 1" = 400'

WELL LOCATION MAP

STATE OF WEST VIRGINIA

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

FILE NO. KAN-2718

Scale 15' 7 1/2'

47-039 SEP 30 1975

DEEP WELL 3-3 6-4 CAMPBELL CREEK INDIAN CREEK (358)

RECEIVED

NOV 16 1977

Form OG-10



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

OIL & GAS DIVISION
DEPT. OF MINES

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Charleston East

Permit No. Kan. 2718

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Columbia Gas Trans. Corp.
 Address PO Box 1273, Charleston, W. Va.
 Farm Columbia Gas Trans. Corp. Acres 694
 Location (waters) Georges Creek
 Well No. 20307-T Elev. 908.80
 District Malden County Kanawha
 The surface of tract is owned in fee by _____

Mineral rights are owned by Columbia Gas Trans. Corp.
 Address _____

Drilling commenced 10-18-75
 Drilling completed 11-25-75

Date Shot _____ From _____ To _____

With _____

Open Flow 1/10ths Water in _____ Inch

Volume 4,670,000 ^{55/10ths Merc. in 4} Cu. Ft.

Rock Pressure 1800 lbs. 24 hrs.

Oil _____ bbls., 1st 24 hrs.

WELL ACIDIZED (DETAILS) _____

WELL FRACTURED (DETAILS) Kiel Process - 5800 psig @ 22 BPM, 2432 BBL & 15,000# 80-100 Sd.

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 5230 MCF

ROCK PRESSURE AFTER TREATMENT 1800 psig HOURS 24

Fresh Water _____ Feet _____ Salt Water _____ Feet _____

Producing Sand Clinton Depth 6204 - 6218

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
+6 20"		51'	Baker Model F
+7 13-3/8"		378'	Size of
+8 9-5/8"		1971'	4 1/2 X 2-3/8
8 1/4		4845'	Depth set
-6 7/8"		6282'	6176
5 3/16			Perf. top 6204
4 1/2			Perf. bottom 6218
3			Perf. top
-2 2-3/8"		6192'	Perf. bottom
Liners Used			

Attach copy of cementing record. SEE ATTACHED

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

Amount of cement used (bags) _____

Name of Service Co. Halliburton

COAL WAS ENCOUNTERED AT 670 FEET 48 INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

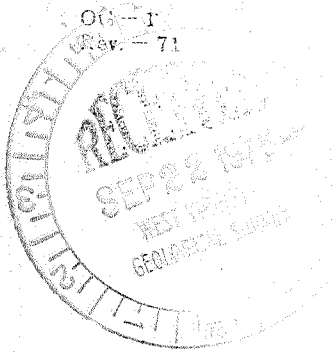
Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sd & Shale			0	501			
Sand			501	670	Water	599	
Coal			670	674			
Sd & Shale			674	811			
Sand			811	1081			
Red Rock			1081	1100			
Sand			1100	1208			
Lime & Sh			1208	1372			
Big Lime			1372	1460			
Injun Sd			1460	1522			
Shale			1522	1859			
Berea Sd			1859	1866			
Shale			1866	5000			
Sandy Lime			5000	5345			
Oriskany			5345	5469			
Dolomite			5469	5834			
Shale			5834	6066			
Sd & Shale			6066	6204			
Clinton			6204	6290	Gas	6280	4670 MCF-60% CO2
TD			6290				
Juniata Fm. top			6225				

5000
909
4091

5345
909
4436

6204
909
5295

6290
309
5399



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE September 15, 1975

Surface Owner Columbia Gas Trans. Corp. Company Columbia Gas Transmission Corp.
 Address P.O. Box 1273, Charleston, W. Va. 25325 Address P.O. Box 1273, Charleston, W. Va. 25325
 Mineral Owner Same as above Farm Columbia Gas Trans. Corp. Acres 694
 Address _____ Min. _____
 Location (waters) Georges Creek
 Coal Owner Same as above Well No. 5-S-20307-T Elevation 908.80'
 Address _____ District Malden County Kanawha
 Coal Operator Not Operated Quadrangle Charleston, East, W. Va.
 Address _____

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 1-19-76.

[Signature]
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Martin Tucker
PH: 548-6993 ADDRESS Charmers, W.Va. 25045

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 December 23, 1925 by Charleston National Bank made to Columbia Gas Trans. Corp. and recorded on the 2nd day of January 1925, in Kanawha County, Book 294 Page 208

NEW WELL _____ DRILL DEEPER _____ RE-DRILL _____ 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.

Very truly yours, Columbia Gas Trans. Corp.

(Sign Name) [Signature]
Well Operator
Director, Exploration and Development

P.O. Box 1273

Address of Well Operator

Charleston

City or Town

West Virginia 25325

State

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

*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-2718
47-039

PERMIT NUMBER

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 _____ NAME Walter Chapman
 ADDRESS _____ ADDRESS P.O. Box 610, Clendenin, W.Va. 25045
 TELEPHONE _____ TELEPHONE (304) 965-5557
 ESTIMATED DEPTH OF COMPLETED WELL: 6363' 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 - 1 1/2	60'	60'	
13 - 1 1/2 3/8	350'	350'	
9 - 5/8	2000'	2000'	
8 - 3/8			
7	4900'	4900'	
5 1/2			
4 1/2	6363'	6363'	
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS - _____ FEET - SALT WATER - _____ FEET -
 APPROXIMATE COAL DEPTHS 320'
 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