

- Fracture
- Before 6/5/29
- New Location
- Drill Deeper
- Redrill
- Abandonment

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.

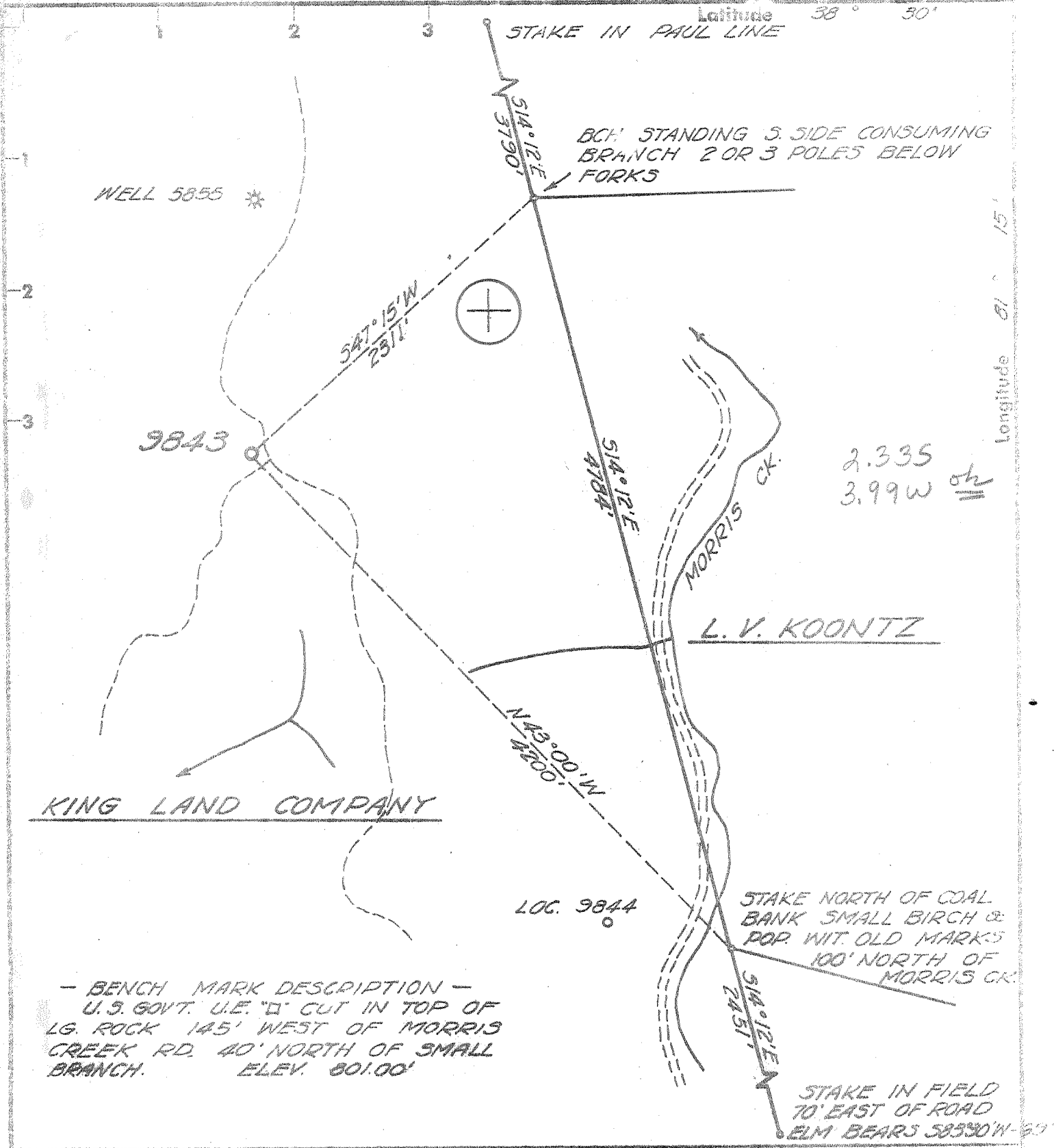
COLUMBIA GAS TRANSMISSION CORP.
 Company
 Address CHARLESTON, WEST VIRGINIA
 Farm KING LAND CO.
 Tract _____ Acres 5245 Lease No. 4592
 Well (Farm) No. _____ Serial No. 9843
 Elevation (Spirit Level) 1175.88' NE
 Quadrangle CLENDENIN, W. VA.
 County KANAWHA District BIG SANDY
 Engineer William E. Woodman
 Engineer's Registration No. 2930
 File No. 78-67 Drawing No. _____
 Date 9-6-73 Scale 1" = 800'

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

WELL LOCATION MAP
 FILE NO. Ken-2666-P

+ 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. 47-039



- BENCH MARK DESCRIPTION -
 U.S. GOVT. U.E. "D" CUT IN TOP OF
 LG. ROCK 145' WEST OF MORRIS
 CREEK RD. 40' NORTH OF SMALL
 BRANCH. ELEV. 801.00'

- Fracture Before 6/5/29
- New Location
- Drill Deeper
- Redrill
- Abandonment

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 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.

COLUMBIA GAS TRANSMISSION CORP.
 Company
 Address CHARLESTON, WEST VIRGINIA
 Farm KING LAND CO.
 Tract _____ Acres 5245 Lease No. 4592
 Well (Farm) No. _____ Serial No. 9843
 Elevation (Spirit Level) 1175.88' NS
 Quadrangle CLENDENIN, W. VA.
 County KANAWHA District BIG SANDY
 Engineer William E. Washburn
 Engineer's Registration No. 2330
 File No. 78-67 Drawing No. _____
 Date 3-6-73 Scale 1" = 600'

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

WELL LOCATION MAP
 FILE NO. Kan-2666

+ 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. 47-039

RECEIVED

JUN 19 1975



OIL & GAS DIVISION DEPT. OF MINES

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

- Spudder [] Cable Tools [] Storage []

- [x] [] []

WELL RECORD

Oil or Gas Well (Dry) (KIND)

Form O-10 Clendenin Permit No. KAN-2666

Company Columbia Gas Transmission Corp. Address P. O. Box 1273, Charleston, W. Va. Farm King Land Company Acres 5245 Location (waters) Waters of Morris Creek Well No. 9843 Elev. 1175.88' District Big Sandy County Kanawha

Table with columns: Casing and Tubing, Used in Drilling, Left in Well, Packers. Includes rows for Size, Kind of Packer, Size of, Depth set, Perf. top, Perf. bottom.

Open Flow /10ths Water in Inch Attach copy of cementing record. CASING CEMENTED SIZE No. Ft. Date Volume Dry Cu. Ft. Amount of cement used (bags) Name of Service Co. COAL WAS ENCOUNTERED AT FEET INCHES

Table with columns: Formation, Color, Hard or Soft, Top, Bottom, Oil, Gas or Water, Depth, Remarks. Includes handwritten entries: T.D. 5603 in Onondaga Devonian Shales, pb 4700 to shoot Brown Shale 2585-3500, P+A 4/22/74.

JUN 30 1975



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

OCT 5 1973

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE October 3, 1973

Surface Owner King Land Company Company Columbia Gas Transmission Corp.
Address Kanawha Valley Bank, Trustee for Address P. O. Box 1273, Chas., W. Va. 25325
Mineral Owner Marion S. Swartz, et al Farm King Land Company Acres 5245
Address P. O. Box 1793, Chas., W. Va. 25326 Location (waters) Morris Creek
Coal Owner Same as above Well No. 9843 Elevation 1175.88'
Address _____ District Big Sandy County Kanawha
Coal Operator Not operated Quadrangle Clendenin
Address _____

m. Fred
INSPECTOR TO BE NOTIFIED Burdette
Box 190 PH: 984-9263
Ciceron Pt.
Dissonville
W. Va. 25185

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 2-9-74.

Robert J. Reed
Deputy Director - Oil & Gas Division

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 April 25 1919 by The King Land Company made to Col. Gas Trans. Corp. and recorded on the 6th day of May 1919, in Kanawha County, Book 36 Page 294

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 3rd day October 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 Transmission Corp.

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

Address P. O. Box 1273
of _____ Street
Well Operator _____
City or Town Charleston
State West Virginia 25325

*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.

Kan-2666 PERMIT NUMBER
47-039

SECRET BOARD

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

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME W. H. Charman
 ADDRESS _____ ADDRESS P. O. Box 610, Clendenin, W. Va. 25045
 TELEPHONE _____ TELEPHONE (304) 965-3317
 ESTIMATED DEPTH OF COMPLETED WELL: 5625' ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Devonian Shale
 TYPE OF WELL: OIL _____ GAS 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 - 16			
13 - 1 1/2 3/8	30'	30'	Surface
9 - 5/8	500'	500'	Surface
8 - 5/8			
7	2,250'	2,250'	500'
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER FEET 853; 1310
 APPROXIMATE COAL DEPTHS 437'
 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