

✓

1950'

LATITUDE 39°50'00"

Journal
9/2/93

LONGITUDE 80°32'30"
7030'

NORTH

N/T
RICHARD
COURTIGHT

N/T
BASIL
MCCRACKEN

N/T
JOSEPH B.
SHEPARD

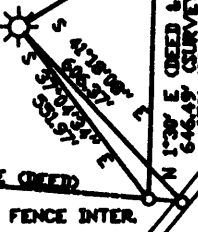
MYRA J. RICHARDS
(SURF.)
D. B. 192 p. 81
84.09 AC.

MYRA J. RICHARDS
(O. & G.)
LEASE 3002876
83 AC.

N/T
ROBERT
WILLIAMS

T POST FLUSH TO
GROUND (FOUND)

L-1029
EL. 1425'



N/T
HERMAN
VENDT

INTER. OF C. L. OF
U. S. RT. 250 & P. L.

LAT. 39°48'50"
LONG. 80°32'55"
F. B. 1779N P. 25
MAP 4404/536

N/T
ARTHUR & MARY
VENDT

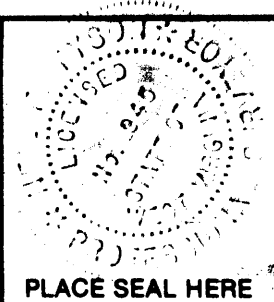
NOTE: THIS MAP IS FOR WELL
LOCATION PURPOSES ONLY AND
DOES NOT REPRESENT A COMPLETE
BOUNDARY SURVEY.

1.34
2.57

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF
ACCURACY 1/2500
PROVEN SOURCE OF
ELEVATION 1534' U.S.G.S.
TRIANGULATION STA.

I THE UNDERSIGNED, HEREBY CERTIFY THAT
THIS PLAT IS CORRECT TO THE BEST OF MY
KNOWLEDGE AND BELIEF AND SHOWS ALL THE
INFORMATION REQUIRED BY LAW AND THE REGU-
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
MENT OF MINES.
(SIGNED) Neil Lyon 8/12/93
R.P.E. _____ L.S. # 945



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE JUNE 25, 19 93
OPERATOR'S WELL NO. L-1029
API WELL NO. _____

WELL TYPE: OIL ___ GAS ___ X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___

LOCATION: ELEVATION 1425' WATERSHED FISH CREEK

DISTRICT LIBERTY COUNTY MARSHALL

QUADRANGLE CAMERON 4 15' SE

SURFACE OWNER MYRA J. RICHARDS ACREAGE 84.09

OIL & GAS ROYALTY OWNER MYRA J. RICHARDS LEASE ACREAGE 83

LEASE NO. 3002876

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR
STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
PLAT PREPARED AT THE REQUEST OF THE STATE OF WEST VIRGINIA

SEP 3 1993

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG 9-9 Cameron (024)

TARGET FORMATION _____ ESTIMATED DEPTH _____

WELL OPERATOR COLUMBIA GAS TRANS. CORP. (75) DESIGNATED AGENT Dick Cotes

COUNTY NAME
PERMIT

FORM IV-6 (8-78)



WR-35

RECEIVED

WV Division of Environmental Protection

MAY 03 93

Permitting Office of Oil & Gas

State of West Virginia

DEPARTMENT OF ENERGY

Oil and Gas Division

Date April 20, 1993

Operator's

Well No. L-1029

Farm Frank Todd

API No. 47 - 051 - 00605

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal / (If "Gas," Production X / Underground Storage X / Deep / Shallow /)

LOCATION: Elevation: 1260 Watershed Laurel Run District: Liberty County Marshall Quadrangle Cameron SE

COMPANY Columbia Gas Transmission Corp.

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

DESIGNATED AGENT R. C. Weidner

ADDRESS SAME

SURFACE OWNER Myra Richards

ADDRESS P. O. Box 133, Cameron, WV 26033

MINERAL RIGHTS OWNER SAME

ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK R. Mick ADDRESS 111 Blockshore Dr. Mannington, WV 26582

PERMIT ISSUED ASSIGNED 1978

DRILLING COMMENCED 5-24-04

DRILLING COMPLETED 7-21-04

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Includes rows for sizes 20-16, 13-10, 9 5/8, 8 5/8, 7 6 1/2, 5 1/2, 4 1/2, 3, 2, and Liners used. Includes a RECEIVED stamp from WV Division of Environmental Protection dated MAY 05 93.

17171

GEOLOGICAL TARGET FORMATION Gordon Depth 3035-3057 feet Depth of completed well 3231 feet Rotary / Cable Tools X Water strata depth: Fresh feet; Salt 1925-1975 feet Coal seam depths: 1018-1025 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Gordon Pay zone depth 3035-3057 feet Gas: Initial open flow 740 Mcf/d Oil: Initial open flow Bbl/d Final open flow Mcf/d Oil: Final open flow Bbl/d Time of open flow between initial and final tests hours Static rock pressure 464 psig (surface measurement) after 24 hours shut in (If applicable due to multiple completion--)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

The well record from 1904 indicates the well was shot with 90 qts of Glycerine and there doesn't appear to be any perforated intervals.

RECEIVED
 WV Division of
 Environmental Protection
 MAY 05 93
 Permitting
 Office of Oil & Gas

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Pittsburgh Coal			1018	1025	
Salt			1925	1975	
Maxton			2050	2060	
Big Lime			2108	2150	
Big Injun			2155	2410	
30'			2775	2802	
Red Rock			2875	2925	
50'			2950	2986	
Gordon Stray			2990	3020	
Gordon			3035	3057	
Total Depth				3231	

(Attach separate sheets as necessary)

Columbia Gas Transmission Corporation
Well Operator

By: Robert C. Weidner

Date: 04/29/93

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

Well Number. **1029**

1988	
Month	Production
Jan - 1988	283.000
Feb 1988	259.000
March 1988	283.000
April 1988	278.000
May 1988	293.000
June 1988	293.000
July 1988	329.000
Aug 1988	317.000
Sept 1988	319.000
Oct 1988	47.000
Nov 1988	506.000
Dec 1988	248.000
TOTAL Production.	3,455.000

1989	
Month	Production
Jan 1989	261.000
Feb 1989	214.000
March 1989	191.000
April 1989	281.000
May 1989	222.000
June 1989	247.000
July 1989	244.000
Aug 1989	231.000
Sept 1989	207.000
Oct 1989	267.000
Nov 1989	279.000
Dec 1989	290.000
TOTAL Production.	2,934.000

1990	
Month	Production
Jan 1990	239.000
Feb 1990	320.000
March 1990	229.000
April 1990	325.000
May 1990	254.000
June 1990	337.000
July 1990	337.000
Aug 1990	319.000
Sept 1990	400.000
Oct 1990	262.000
Nov 1990	293.000
Dec 1990	282.000
TOTAL Production.	3,597.000

1991	
Month	Production
Jan 1991	285.000
Feb 1991	244.000
March 1991	277.000
April 1991	254.000
May 1991	272.000
June 1991	324.000
July 1991	277.000
Aug 1991	325.000
Sept 1991	303.000
Oct 1991	268.000
Nov 1991	277.000
Dec 1991	226.000
TOTAL Production	3,332.000

AP I Number
47-051-00605

RECEIVED
 WV Division of
 Environmental Protection
 MAY 05 83
 Permitting
 Office of Oil & Gas

1992	
Month	Production
Jan 1992	239.000
Feb 1992	234.000
March 1992	254.000
April 1992	218.000
May 1992	277.000
June 1992	294.000
July 1992	259.000
Aug 1992	498.000
Sept 1992	145.000
Oct 1992	295.000
Nov 1992	272.000
Dec 1992	254.000
TOTAL Production.	2,569.000

FRANK TODD NO. 1029 WELL.

Liberty District, Marshall County, W. Va.
By Manufacturers Light & Heat Co.
Completed June 21, 1904.
Record from Mr. Schillhahn Sept. 30, 1939.

now: 051 605

	Top.	Bottom.
Pittsburgh Coal	1018	- 1025
Big Dunkard Sand	1635	- 1750
Gas Sand	1857	- 1920
Salt Sand	1925	- 1975
Maxton Sand	2050	- 2060
Big Lime	2108	- 2150
Big Injun Sand	2155	- 2410
30-Foot Sand	2775	- 2802
50-Foot Sand (gas, 2960')	2950	- 2986
Gordon Stray Sand	2990	- 3020
Gordon Sand (gas, 3039')	3035	- 3057
Total depth		3231

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

WELL WORK PERMIT

This permit, issued to COLUMBIA GAS TRANSMISSION CORP. is evidence of permission granted to perform the specified well work at the location described on the attached plat, subject to the provisions of Chapters 22 and 22B of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the _____ pages attached hereto. Notification shall be given to the Oil and Gas Inspector RANDAL MICK at 304-986-3324 prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be reported to 1-800-654-3312.

Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and in addition may result in civil and/or criminal penalties.

Well work to be conducted under this permit shall be commenced within two (2) years from date of issue.

Theodore M. Streit
Chief

By: *Jamie Stevens*

Title: *Petro. Eng. Tech.*

Operator's Well No: F. TODD #1029

Farm Name: RICHARDS, MYRA

API Well Number : 47- 51-00605 T

Date Issued : 09/01/93

Expires two (2) years from issue date.

SEP 3 1993