

LATITUDE 39 ° 50 30  
39 ° 47 30  
+ 7.5

0.165 ✓  
0.44

3.045  
0.43W

LONGITUDE 80 ° 35'

COAL OWNED BY RECONSTRUCTION

NEW LOCATION.....

DRILL DEEPER.....

ABANDONMENT.....

0-25-24-29

COMPANY THE MANUFACTURERS LIGHT & HEAT

ADDRESS 800 UNION TRUST BLDG., PGH. PA.

FARM JOHN DAVIS

TRACT 150<sup>143</sup> ACRES LEASE No. 31092

WELL (FARM) No. 1 SERIAL No. 4630

ELEVATION (SPIRIT LEVEL) 1247.43'

QUADRANGLE CAMERON - SC

COUNTY MARSHALL DISTRICT LIBERTY

ENGINEER Robert R. Heill

ENGINEER'S REGISTRATION No. 361-E (SF)

No. Y-25-A35 DRAWING No.

DATE 2 SEPT. 61 SCALE 1" = 800'

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

WELL LOCATION MAP

FILE No. MARS-429-REDRILL  
was 700SI

+ 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.

**Latitude**

+  
 .225  
 .43w

**Longitude**

**Topo Location**

**7.5' Loc.** \_\_\_\_\_ **15' Loc.** \_\_\_\_\_  
 (calc.)

**Company** Cameron Heat & Light Co

**Farm** Davis #2

**15' Quad** \_\_\_\_\_  
 (sec.)

**7.5' Quad** Cameron

**District** Liberty

**WELL LOCATION PLAT**

**County** 051 **Permit** 70051

row 429



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-4630

Farm John Davis #2

API No. 47 - 051 - 00429R

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: 1247 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 Andrew J. Stahara

ADDRESS RD 5 Box 174, Cameron, WV 26033

MINERAL RIGHTS OWNER SAME

ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK

R. Mick ADDRESS 111 Blockshire Dr. Mannington, WV 26582

PERMIT ISSUED FOR RECONDITIONING 9-29-61

DRILLING COMMENCED RECONDITIONING 9-29-61

DRILLING COMPLETED RECONDITIONING 7-13-62

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. Rows include sizes 20-16, 13-10, 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

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GEOLOGICAL TARGET FORMATION Gordon Stray Depth 2854-2870, feet

Depth of completed well 3000' feet Rotary / Cable Tools X

Water strata depth: Fresh feet; Salt 1584-1600feet

Coal seam depths: 900-908 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Gordon Stray Pay zone depth 2854-2870 feet

Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d

Final open flow 212 Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure 66 psig (surface measurement) after 10 hours shut in

(If applicable due to multiple completion--)

Second producing formation Pay zone depth feet

Gas: Initial open flow 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 psig (surface measurement) after hours shut in

17170

MAY 07 1993

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

See Attached Sheet

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			900	908	
Murphy Sand			1003	1030	
Big Dunkard Sand			1390	1427	
First Salt Sand			1584	1600	
Maxton			1900	1924	
Lower Maxton Sand			2000	2014	
Big Lime			2016	2046	
Big Injun Sand			2049	2318	
30' Sand			2658	2673	
50' Sand			2698	2722	
Gordon Stray			2854	2870	
Total Depth				3000	

DF=411  
DFT=418

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(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 those encountered in the drilling of a well."

Well 4630

The well was originally drilled for production December 23, 1918, purchased from the Cameron Gas Company, then reconditioned in July 1962. The following is the reconditioning procedure:

- Ran 248' of 10 3/4" smls csg w/ Steel Die Nipple and connected to existing 24' of 10 3/4" csg. Cemented with 125 sks. Good returns to surface.
- Ran 1035' of 8 5/8" smls csg w/ Steel Die Nipple and connected it to existing 278' of 8 5/8" csg. Cemented with 250 sks. Good returns to surface.
- Ran 1914' of 7" smls. csg on a steel casing shoe set at 1900' on top of 123' of existing 7" csg. Cemented w/ 250 sks. cement. No returns to surface.
- Drilled 6 1/4" hole to 2845'. Ran 2845' of 4 1/2" smls tbg with a 4 1/2" Baker Guide Shoe set at 2845' and cemented with 450 sks. cement. Good returns to surface. Drilled out to total depth of 3000'.

Well is presently being produced from the Gordon Stray thru the 4 1/2" tbg into Cameron Gas Company's lines. Columbia Gas Transmission monitors the well for storage gas migration purposes.

4/20/93

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permits.dam

MAY 07 1993

Davis Well 1988

Well NUMBER 11630

Davis Well 1989

Jan 1988	2,148.00
Feb 1988	3,754.00
March 1988	3,616.00
April 1988	1,849.00
May 1988	1,208.00
June 1988	1,410.00
July 1988	830.00
Aug 1988	416.00
Sept 1988	605.00
Oct 1988	793.00
Nov 1988	3,103.00
Dec 1988	3,576.00
<b>Total Production</b>	<b>23,708.00</b>

Jan 1989	3,633.00
Feb 1989	3,205.00
March 1989	2,977.00
April 1989	2,983.00
May 1989	1,388.00
June 1989	8.00
July 1989	2.00
Aug 1989	1,201.00
Sept 1989	1,864.00
Oct 1989	648.00
Nov 1989	2,566.00
Dec 1989	3,838.00
<b>Total Production</b>	<b>24,313.00</b>

Davis Well 1990

Davis Well 1991

Jan 1990	3,450.00
Feb 1990	3,601.00
March 1990	2,356.00
April 1990	1,791.00
May 1990	812.00
June 1990	863.00
July 1990	1,401.00
Aug 1990	1,400.00
Sept 1990	1,539.00
Oct 1990	97.00
Nov 1990	1,776.00
Dec 1990	-2,840.00
<b>Total Production</b>	<b>21,926.00</b>

Jan 1991	3,281.00
Feb 1991	2,840.00
March 1991	2,937.00
April 1991	2,171.00
May 1991	951.00
June 1991	000.00
July 1991	000.00
Aug 1991	000.00
Sept 1991	000.00
Oct 1991	56.00
Nov 1991	2,283.00
Dec 1991	3,245.00
<b>TOTAL Production</b>	<b>18,364.00</b>

Davis Well 1992

Jan 1992	3,790.00
Feb 1992	3,822.00
March 1992	3,089.00
April 1992	2,763.00
May 1992	445.00
June 1992	12.00
July 1992	90.00
Aug 1992	10.00
Sept 1992	108.00
Oct 1992	2,293.00
Nov 1992	3,370.00
Dec 1992	3,472.00
<b>TOTAL Production</b>	<b>23,264.00</b>

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API #

47-051-00429



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Quadrangle Cameron

Permit No. MARS-429-R

WELL RECORD

*Gas Straps*  
Oil or Gas Well GAS  
(KIND)

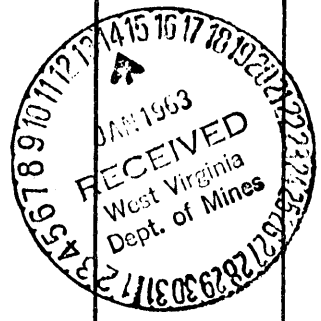
Company The Mfrs. Lt. and Ht. Co.  
Address 800 Union Trust Bldg., Pittsburgh 19, Pa.  
Farm John Davis Acres 143  
Location (waters) \_\_\_\_\_  
Well No. 4630 Elev. 1247.43'  
District Liberty County Marshall  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling commenced September 29, 1961  
Drilling completed July 13, 1962  
Date Shot 7/13/62 From 2844 To 3000  
With Orifice Well Tester  
Open Flow 2.0 /10ths Water in \_\_\_\_\_ Inch  
1 1/4" /10ths Merc. in \_\_\_\_\_ Inch  
Volume 212.83 ~~XXXXXX~~ MCF Cu. Ft.  
Rock Pressure 66 lbs. 10 days ~~xxx~~ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
Fresh water \_\_\_\_\_ feet  
Salt water \_\_\_\_\_ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10 3/4"	246	270	Size of
8 5/8"	1027	1305	
7"	1900	2023	Depth set
6 3/16			
4 1/2"	2845	2845	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_

COAL WAS ENCOUNTERED AT 900 FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Formation	Color	THICKNESS	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
✓ Pittsburgh Coal		8	900	908			
✓ Murphy Sand		27	1003	1030			
✓ Big Dunkard Sand		37	1390	1427			
✓ First Salt Sand		16	1584	1600			
✓ Maxton Sand		24	1900	1924			
✓ Lower Maxton Sand		14	2000	2014			
✓ Big Lime		30	2016	2046			
✓ Big Injun Sand		269	2049	2318		2016	
✓ Thirty Foot Sand		15	2658	2673		1247	
✓ Fifty Foot Sand		24	2698	2722		769	
✓ Gordon Stray		16	2854	2870			
✓ Gordon Sand		Not logged					
4 1/2" Tubing Set at				2845			
Total Depth				3000			
Maximum Depth Logged				2905			



DAVIS NO. 2 WELL.

*Liberty*.....District, Marshall County, W. Va.

By Cameron Heat & Light Co.

MNV-13.

Elevation..... *NJ*

Completed Dec. 23, 1918, to 2168'

Drilled down to Gordon in year 1920 (to 2945').

Casing in well: 10", 270' (pulled out); 8 1/2", 1305'; 6 5/8", 2023'.

Tubing in well: 3-inch, 2945 feet.

One pecker in Big Injun Sand at 2065 feet.

One pecker in Gordon Sand at 2940 feet.

2168 feet at \$2.25 = \$4878.00, less gas, \$312.00; cost \$4566.00.

Record from Mr. Straub 9-11-39.

	Top.	Bottom.
Conductor	0	16
Pittsburgh Coal	909	914
Murphy Sand (gas, 1016')	1001	1036
Little Dunkard Sand	1310	1330
Big Dunkard Sand	1415	1440
Gas Sand (water, 1595')	1510	1600
Sand	1885	1915
Maxton Sand (gas, 2010')	1955	2020
Big Lime	2023	2065
Big Injun Sand (gas, 2150-2165')	2065	.....
Total depth (Dec. 23, 1918)		2168

Drilled down to Gordon in year 1920:

Gordon Stray Sand	2925	2940
Total depth		2945