

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Mathews, G. Operator Well No.: 1852

LOCATION: Elevation: 1472.3' Quadrangle: Cameron, WV

District: Liberty County: Marshall

Latitude: 13512 Feet South of 39 Deg. 50 Min. 00 Sec.

Longitude: 4199 Feet West of 80 Deg. 32 Min. 30 Sec.

RECEIVED  
Office of Oil and Gas

SEP 3 2021

WV Department of  
Environmental Protection

Well Type: OIL \_\_\_\_\_ GAS X

Company Columbia Gas Transmission, LLC Coal Operator Murray Energy Corporation, American Consolidated Natural Resources, Inc.  
1700 MacCorkle Avenue S.E., P.O. Box 1273 or Owner 46226 National Road  
Charleston, WV 25325 St. Clairsville, OH 43950

Agent Brad Nelson Coal Operator \_\_\_\_\_  
Permit Issued Date 5/3/2021 or Owner \_\_\_\_\_

AFFIDAVIT

Pennsylvania  
STATE OF ~~WEST VIRGINIA~~, ad.  
County of Allegheny ss:

Brad Nelson and Bo Hampson being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well say that said work was commenced on the 21st day of June, 2021, and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Class A Cement	0'	30.55'	4-1/2"	7", 8-5/8", 10-3/4"
Class A Cement	30.55'	125'	N/A	4-1/2", 7", 8-5/8", 10-3/4"
Class A Cement	125'	254'	N/A	4-1/2", 7", 8-5/8", 10-3/4"
Class A Cement	254'	671'	N/A	4-1/2", 7", 8-5/8"
Class A Cement	671'	906'	N/A	4-1/2", 7", 8-5/8"
Thixotropic Cement	906'	1368'	N/A	4-1/2", 7", 8-5/8"
Class A Cement	1368'	1524'	N/A	4-1/2", 7", 8-5/8"

See additional plugging data.

Description of monument: 7" casing, 4' above ground level, API number affixed and that the work of plugging and filling said well was completed on the 2nd day of August, 2021.

And further deponents saith not. Brad Nelson

Bo Hampson

Commonwealth of Pennsylvania - Notary Seal  
Alexis Davis, Notary Public  
Allegheny County  
My commission expires March 24, 2025  
Commission number 1394405  
Member, Pennsylvania Association of Notaries

Sworn and subscribe before me this 24 day of August, 2021

My commission expires: 03-24-25 Alexis Davis  
Notary Public

Affidavit reviewed by the Office of Oil and Gas: Bony Shilley Title: inspector

8-31-21 09/17/2021



~ not to scale ~

\* Water reported at 1800' by the driller in 1915.

Trixtropic green dyed cement from 200' below to 100' above the Pittsburgh Coal as per MSHA regulations.

Pittsburgh Coal 1123'-1130'

Little Dunkard 1450'-1465'

Sea Level @ 1472.3 ft

Performed a blind back-off of the 4-1/2" casing and recovered 30.55'.

RECEIVED  
Office of Oil and Gas  
SEP 3 2021  
WV Department of  
Environmental Protection

Maxton 2141'-2165'  
(gas storage)

Big Lime 2260'-2360'

Big Injun 2372'-2530'  
(gas storage)

Lead plug from 2930'-2932'

Unknown plugging material(s) from 2932'-3681'.  
Possible lost tools from drilling in 1915.

TD 3681'

Cement Plug #7 Top @ 0'

Cement Plug #6 Top @ 125'

Squeeze Perfs @ 565'

10-3/4" casing @ 254'

Perfs at 1214'

8-5/8" casing @ 1524'

Cement Plug #5 Top @ 671'

Cement Plug #4 Top @ 906'

Cement Plug #3 Top @ 1368'

Cast Iron Bridge Plug @ 1603'-1605'

Cement Plug #2 Top @ 1605'

Attempt to pull all casing and cement to surface.

darker grey indicates plugging cement

lighter grey indicates existing cement

CBL on 4-1/2" casing indicated good cement from 2112'-2432'. The cement bond from 2080'-2122' was weak. A squeeze was attempted.

Squeeze Perfs @ 2114'-2116'

Cement Plug #1 Top @ 2126'

Perfs from 2141'-2165'

7" csg @ 2266'

4-1/2" casing @ 2289'

6-1/2" Open Hole from 2289'-2426'

Casing cuttings from 2426'-2450'

Cement from 2450'-2510'

Aquagel from 2510'-2528'

Cement from 2528'-2543'

6" Steel Mandrel Lead Plug from 2543'-2545'

Stone and cement from 2545'-2930'

# VICTORY B 1852

Post P&A  
(as of 7/30/2021)

Cuts made on the 4-1/2", 7", and 8-5/8" casings at the following depths as required by coal operator: 1275', 1131', 1130', 1127.6', 1125.3', 1123', 1120.7', 1119.7', and 1119.5'.

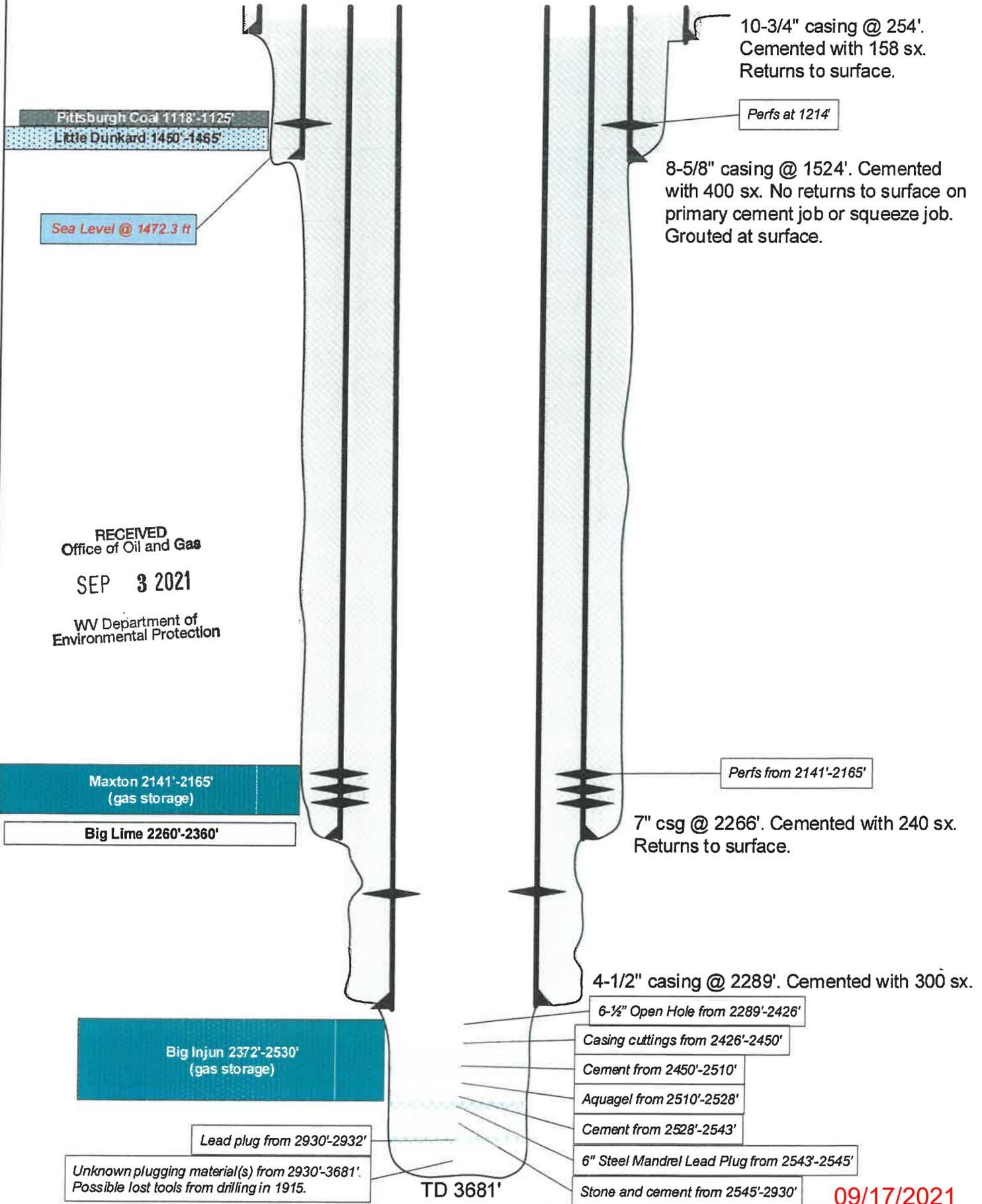
09/17/2021

~ not to scale ~

# VICTORY B 1852

Prior to P&A  
(as of 10/8/2020)

\* Water reported at 1800' by the driller in 1915.



RECEIVED  
Office of Oil and Gas  
SEP 3 2021  
WV Department of  
Environmental Protection

10-3/4" casing @ 254'.  
Cemented with 158 sx.  
Returns to surface.

Perfs at 1214'

8-5/8" casing @ 1524'. Cemented  
with 400 sx. No returns to surface on  
primary cement job or squeeze job.  
Grouted at surface.

Perfs from 2141'-2165'

7" csg @ 2266'. Cemented with 240 sx.  
Returns to surface.

4-1/2" casing @ 2289'. Cemented with 300 sx.

6-1/2" Open Hole from 2289'-2426'

Casing cuttings from 2426'-2450'

Cement from 2450'-2510'

Aquagel from 2510'-2528'

Cement from 2528'-2543'

6" Steel Mandrel Lead Plug from 2543'-2545'

Stone and cement from 2545'-2930'

Lead plug from 2930'-2932'

Unknown plugging material(s) from 2930'-3681'.  
Possible lost tools from drilling in 1915.

TD 3681'

09/17/2021



west virginia department of environmental protection

Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Monday, May 3, 2021

WELL WORK PLUGGING PERMIT  
Vertical Plugging

COLUMBIA GAS TRANSMISSION, LLC  
STORAGE TECHNICAL SERVICES - 6TH FLOOR  
1700 MACCORKLE AVE. SE.  
CHARLESTON, WV 25314

Re: Permit approval for 1852  
47-051-00264-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours 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 promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. 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 being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

  
James A. Martin  
Chief

RECEIVED  
Office of Oil and Gas

SEP 3 2021

WV Department of  
Environmental Protection

Operator's Well Number: 1852  
Farm Name: MATHEWS, G.  
U.S. WELL NUMBER: 47-051-00264-00-00  
Vertical Plugging  
Date Issued: 5/3/2021

Promoting a healthy environment.

09/17/2021

I

4705100264

## PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

### CONDITIONS

---

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

RECEIVED  
Office of Oil and Gas

SEP 3 2021

WV Department of  
Environmental Protection

09/17/2021

WELL LOG SUMMARY

COMPANY: **The Manufacturers Light & Heat Company**  
 DIV. FIELD: **4** **Cameron** **Vict B**  
 WELL NO.: **1852**  
 FARM: **Gay B. Mathews** ACRES: **53** LEASE NO.: **27243** DISTRICT: **Liberty** COUNTY: **Marshall** STATE: **W. Va.**  
 TOPO. MAP: Quadrangle \_\_\_\_\_ Ft. \_\_\_\_\_ of \_\_\_\_\_ of \_\_\_\_\_ and \_\_\_\_\_

CONTRACTOR: **CONTRACTOR**  
 ADDRESS: \_\_\_\_\_ Drilled from \_\_\_\_\_ Ft. to \_\_\_\_\_ Ft.  
 Type of Rig: \_\_\_\_\_  
**DRILLING CONTRACTOR**  
 ADDRESS: **Company Machine No. 4043**  
**P. O. Box # 156**  
**Cameron, West Virginia**  
 Drilled from \_\_\_\_\_ Ft. to \_\_\_\_\_ Ft.  
 Type of Rig: **Drilling Machine**

FIRST RIG COMMENCED (DATE): **1/19/62** DRILLING COMPLETED (DATE): **3/5/62** COMPLETED TOTAL DEPTH: **2426** ft. DATE PURCHASED: \_\_\_\_\_ FOR. WELL NO. \_\_\_\_\_

HOLE SIZE	BIT GAUGE (INCHES)	13"	10"	8"	6"	4"
FROM-TO (FEET)	0 to 254	0 to 1276	0 to 2266	0 to 2266	0 to 2426	
CASING AND TUBING SIZE (O.D.)	10-3/4"	8-5/8"	7"	7"	4-1/2"	
WEIGHT/FOOT	32#	24#	20#	20#	12.6#	
STEEL GRADE	H	J	J	J	J	
COUPLING TYPE	Short	Short	Short	Short	Short	
SETTING DEPTH	254'	1524'	2266'	2266'	2289'	
LEFT IN HOLE	254'	1524'	2266'	2266'	2289'	
NO. OF SACKS					300	
TYPE					I-S	
WEIGHT #/GAL.					14.5#	
MANUFACTURER	Original	Original	Original	Original	Halliburton	
TYPE	Well	Well	Well	Well	Formation	
SIZE	Record	Record	Record	Record	1 1/2" X 6 1/2"	
SETTING DEPTH					2291'	

RECEIVED

MAR 9 - 1962

Production Department  
S. G. D.

TREATMENT	TYPE *	SIZE AND/OR AMOUNT	ZONE TREATED	OPEN FLOW MCF/DAY	PERFORMED BY	DATE
			From to	Before After		
	(None)		From to	Before After		
			From to	Before After		
			From to	Before After		

DATE GAUGED	FORMATION	PAY ZONE	TYPE GAUGE (SPECIFY)	PRESSURE (SPECIFY UNITS)	SIZE OPENING-IN.	OPEN FLOW M.C.F./DAY	HRS. BLOWN
2   7   62	Maxton, Big Inj. & Lower	From to	Orifice	84/10 W.	1"	71.3	7
3   2   62	Big Inj.	From to	Orifice	72/10 W.	1/4"	4.7	2

DATE TAKEN	FORMATION	MINUTE PRESSURE - PSIG						WELLHEAD PRESSURE - PSIG					
		1	3	5	10	20	30	24 HR.	48 HR.	72 HR.	MAX. PRESS.	TIME	
3   5   62									585				

MISC. DEPTH MEASUREMENT TAKEN FROM:  Derrick Floor  Ground Other (Specify) \_\_\_\_\_ DIST. TO GROUND: **2** ft. ELEVATION: **1479'**  
 LOGGED:  Yes  No LOGGED BY (COMPANY): **Schlumberger Well Survey Corp.** DATE LOGGED: **10 2 8 62**

\* Note: Form PD-17 "Well Fracture Report" to be completed and attached, if applicable

REMARKS: Well was leaking gas from deeper sands. Pulled 2539' of 4 1/2" Tubing, Cemented back from 2510' to 2450' through 2" Tubing. Cut Window in 7" Csg. from 2073' to 2090' W/ Servco Section Mill & Undereamed a 1 1/2" hole from 2073' to 2079' 8" W/Servco Hole Opener. Cut Window in 7" Casing from 1675' to 1685' W/Servco Section Mill. Run 1 1/2" Tubing to 2289' & Cemented. 24' of Casing Cuttings left in hole from 2450' to 2426'. The 10", 8" & 7" Casings remain the same as was installed on W.O.1253-L-606-4.

Attach additional sheets and forward to Production Dept. Pittsburgh General Office

Verified by Andrew T. R. Schow  
DIVISION ENGINEER

Approved by [Signature]  
DIVISION SUPERINTENDENT

M. J. [Signature]

09/17/2021

RECEIVED  
Office of Oil and Gas  
SEP 3 2021

WV Department of  
Environmental Protection

WELL LOG SUMMARY

DIV. <b>4</b>	FIELD <b>Cameron</b>	FARM <b>Gay B. Mathews</b>	COUNTY <b>Marshall</b>	WELL NO. <b>1852</b>
------------------	-------------------------	-------------------------------	---------------------------	-------------------------

ORIGIN OF FORMATION DEPTHS  Driller's Log  Service Company Log  Combination

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS (Water, Gas, Oil encountered-Open Flows-Rock Pressure-etc.)
Pittsburgh Coal	1118	1125	7	
Murphy Sand	1235	1255	20	
Big Dunkard	1605	1627	22	
1st Salt Sand	1764	1825	61	
2nd Salt Sand	1935	1969	35	
Maxton Sand	2141	2165	24	
Big <del>XXXX</del> Lime	2265	2290	25	
Big Injun	2295	2530	235	
Total Depth		2426		
1 1/2" Tubing set @ 2291'				
				Notes: Well was leaking gas from deeper sands. Palled 2539' off 1 1/2" Tubing.
				Cemented back from 2510 to 2450 w/2" Tubing. Cut window in 7" Casing from 2073' to 2090' w/Service Section Mill and Underream a 11 1/2" Hole from 2073' to 2079' w/Service Hole Opener. Cut Window in 7" Casing from 1675' to 1685' w/Service Section Mill. Run 1 1/2" Tubing to 2289' & Cemented w/300 Bg. Cement, 14.5¢ per gal., good return of cement at surface. 1 1/2" Tubing set on a Formation
				Factor Shoe set at 2291'. 24' of Casing Cuttings left in hole from 2450 to 2426'

RECEIVED  
Office of Oil and Gas  
SEP 3 2021  
WV Department of  
Environmental Protection

Division 4  
 Record of well No. 1852 on G.S. Mathews Farm Acres  
Cameron Field Liberty Township Marshall County West Va. State  
 Rig Commenced 19 Completed 19  
 Drilling Commenced December 24, 19 54 Completed October 10, 19 54  
 Contractor A.G. Isminger Address Cameron, West Virginia  
 Driller's Name A.G. Isminger, Edison Isminger, Homer, Antil.

CASING AND TUBING RECORD

Conductor	18"	10"	8 1/4"	7"	6 5/8"	5 3/8"	4"	3"
Used in Drlg.		<u>2550'</u>	<u>Multiple 3-15'</u>				<u>5 12.6'</u>	
Left in well		<u>256'</u>	<u>1535</u>	<u>2283'</u>			<u>2539'</u>	

PACKER RECORD Casing measured with threads on. SHOOTING RECORD

Size	Depth Set	Type Packer	Date	Type Explosive	Amount	DEPTH		Volume Before Cu. Ft.	Volume After Cu. Ft.
						Top	Bottom		
<u>4 x 7"</u>	<u>2224</u>	<u>Anchor</u>	<u>10.26.54</u>			<u>2141</u>	<u>2165</u>	<u>29,326</u>	<u>29,326</u>

VOLUME AND PRESSURE

Date	Reading in Inches	Liquid	Size Orifice	Volume	Sand	PRESSURE IN MIN.					24 Hour R. P.	Max. R. P.	Hours	
						1	5	10	30	60				
<u>10/26/54</u>	<u>14/10</u>	<u>Water</u>	<u>1"</u>	<u>29,326</u>	<u>Big Injun</u>	<u>0</u>	<u>5</u>	<u>1/2</u>			<u>100</u>	<u>380</u>	<u>500</u>	<u>432</u>
					<u>Maxton</u>						<u>29 1/2</u>			<u>288.</u>

TOTAL INITIAL OPEN FLOW

CUBIC FEET PER 24 HOURS

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
<u>Pittsburgh Coal</u>	<u>1100</u>	<u>1107</u>	<u>7</u>	<u>In cleaning out open hole was found from</u>
<u>Little Dunkard Sand</u>	<u>1150</u>	<u>1165</u>	<u>15</u>	<u>2530 to 2930' 1.6" Lead Plug set at 2930</u>
<u>Maxton Sand</u>	<u>2141</u>	<u>2193</u>	<u>52</u>	<u>filled with cement and stone to the depth of</u>
<u>Big Injun Sand</u>	<u>2295</u>	<u>2530</u>	<u>335</u>	<u>2513' Second lead 6" Plug set at 2513'</u>
<u>Total Depth for Storage</u>	<u>2528</u>			<u>15' of Cement dumped on top of Plug. Making the</u> <u>total Storage depth to 2528'</u>
				<u>158 Sacks Cement was used cementing the 10 3/4'</u> <u>Casing. Good return to surface.</u>
				<u>400 Sacks Cement used between the 10 3/4"</u> <u>Casing and 8 5/8" No Return. 8 5/8" Casing</u>
<u>Waynesburg Coal.</u>	<u>750</u>	<u>754</u>		<u>was perforated at 1211' and 400 more Sacks</u>
<u>Maplestown Coal</u>	<u>1000</u>	<u>1007</u>		<u>cement used between the 10 3/4" and 8 5/8"</u>
<u>Pittsburgh Coal.</u>	<u>1100</u>	<u>1108</u>		<u>water in the cement returned to surface but</u>
<u>7" Casing set at 2267'</u>				<u>no cement, balance was filled from top of</u> <u>Casing to surface.</u>
				<u>240 Sacks Cement used between the 8 5/8" and</u> <u>7" Casing. good return to surface.</u>
				<u>Packer Record:</u>
				<u>1. 4 x 7" Anchor Packer set at 2224'</u> <u>anchor under packer 304'</u>
				<u>First Perforated joint at 2528' Second</u> <u>Perforated joint at 2299'</u>
				<u>7" Casing was shot by Schalmberger with 96</u> <u>shots. Top of shot 2141, Bottom 2165' in the</u> <u>Maxton Sand.</u>
				<u>Open flow was not increased after shooting, but</u> <u>some gas came in later with a rock pressure of</u> <u>29 1/2 in 288 Hours from Maxton Sand.</u>

RECEIVED  
Office of Oil and Gas

SEP 3 2021

WV Department of  
Environmental Protection

Examined above information and measurements and found to be correct by

Examined and Approved by

Contractor

Field Superintendent

NOTE—The above blank must be filled out carefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the bill for drilling. All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in what sand and at what depth Oil, Gas or water was found, the quantity of same, the quality of the sand, and thickness of pay.

09/17/2021



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

*Cammon*

**WELL RECORD**

Permit No. MARS -264

Oil or Gas Well Stone  
(KHO)

Company THE MANUFACTURERS LIGHT AND HEAT COMPANY

Address 800 Union Trust Bldg., Pgh., Penna.

Farm Gay Matthews Acres 60

Location (waters)

Well No. 1852 Elev. 1479'

District Liberty County Marshall

The surface of tract is owned in fee by

Address

Mineral rights are owned by

Address

Drilling commenced December 24, 1953

Drilling completed October 10, 1954

Date Shot 10-26-54 From To

With

Open Flow 14/10ths Water in 1" Inch

/10ths More in Inch

Volume 29,326 Cu. Ft.

Rock Pressure 500 lbs. 432 hrs.

Oil bbls., 1st 24 hrs.

Fresh water feet feet

Salt water feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			Anchor
13			Size of <u>4 x 7</u>
10	<u>254</u>	<u>256'</u>	Depth set <u>2224'</u>
8 1/2	<u>1524</u>	<u>1535'</u>	
7	<u>2263</u>	<u>2283'</u>	
4		<u>2539'</u>	
8			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED SIZE No. Ft. Date

COAL WAS ENCOUNTERED AT 750 FEET INCHES

1100 FEET INCHES 1000 FEET INCHES

FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Pittsburgh Coal			1100	1107		Open	
Little Dunkard Sand			1450	1465			In cleaning out/hole was found from 2530 to 2930' 1.6" Lead Plug set at 2930'
Maxton Sand			2141	2193			filled with cement and stone to the depth of 2543' Second lead 6" Plug set at 2543'
Big Injun Sand			2295	2530			15' of Cement dumped on top of Plug making the total storage depth to 2528'
Total Depth for storage			2528				158 sacks cement was used cementing the 10 3/4 casing, Good return to surface.
Waynesburg Coal			750	754			400 Sacks cement used between the 10-3/4 casing and 8-5/8" No Return. 8 5/8" casing was perforated at 1214' and 400 more sack cement used between 10 3/4 and 8 5/8" well in the cement returned to surface but no cement, balance was filled from top of casing to surface.
Mapletown Coal			1000	1007			240 sacks cement used between the 8 5/8" and 7" casing, good return to surface.
Pittsburgh Coal			1100	1108			
7" Casing set at 2267'							
							Packer Record: 1. 4 x 7 Anchor Packer set at 2224' Anchor under packer 304' First Perforated joint at 2528' Second Perforated Joint at 2259' 7" casing was shot by Schulmberger with 96 shots. Top of sb 2141, Bottom 2165' in the Maxton Sand Open flow was not increased after shooting, some gas came in later with a rock pressure of 294# in 288 Hours from Maxton Sand

RECEIVED  
Office of Oil and Gas

SEP 3 2021

WV Department of  
Environmental Protection



(Over)

09/17/2021

# The Wheeling Water Company

Final Report of Material charged to and used in Drilling and Equipping

Well No. 1852

Cameron District Nov 12 1915

We have this day finished work on Well No. 1852 on the most acre farm

of G. J. Mathews situate in Liberty District,

Marshall County, State of W. Va.

as shown by sketch on other side, and have left in and at said well the following material, which has been charged to said well on District Transfers.

- |                                    |                                    |
|------------------------------------|------------------------------------|
| <u>550 ft 6 7/8 casing</u>         | <u>20 7/8 machine Rope sockets</u> |
| <u>3-6 7/8 Wood Dry Hole Plugs</u> | <u>1-Sub 3 3/4 x 3'</u>            |
| <u>1-8" " " " "</u>                | <u>1-6 1/2" Trip spear</u>         |
| <u>1-10" " " " "</u>               | <u>1-6 7/8 Mandrill</u>            |
| <u>2-4 3/8 x 46' stems.</u>        | <u>1-6 7/8 Comp socket</u>         |
| <u>2-5' drilling jars</u>          | <u>1- Mill</u>                     |
| <u>1-2 1/2 x 44' stem</u>          |                                    |

List above ONLY material left in and at the well which is being used in the operation of said well, including Casing, Tubing, Wire Lines, Rods, Pumping Outfits, Packers, Tanks, Boilers, Engines, Casing heads, and all well connections, but not including Drips or Branch Lines.

Depth of Well 3681 Feet. Well produces Nothing from all Sand,

Signed: \_\_\_\_\_ Signed: \_\_\_\_\_

Foreman

Dist. Supt.

RECEIVED  
Office of Oil and Gas

SEP 3 2021

Checked by \_\_\_\_\_

Field Clerk.

WV Department of  
Environmental Protection

Checked by \_\_\_\_\_

Inventory Clerk.

of this report and forwarded to Pittsburgh Office. Retain one copy of this report for your files.

When work is completed report must be filled out on reverse side.

All charges for labor and material incident to above well must be charged to this well.

be returned to the person who furnished the material and when the well is completed.

This report is to be filled out on reverse side of this report and forwarded to Pittsburgh Office.

09/17/2021

The Manufacturers Light and Heat Co.  
Company

Division 4

Record of well No. 1852 on Gay B. Mathews Farm Acres

Cameron Field Liberty ~~Waynes~~ District Marshall County W. Va. State

Rig Commenced May 6, 19 15, Completed May 18, 19 53

Drilling Commenced May 21, 19 15, Completed Sept 1, 19 53

Contractor Braden & Fletcher Address

Driller's Name S. B. Stone Braker Grant Richards,

CASING AND TUBING RECORD

	Conductor	13"	10"	8 1/4"	7"	6 5/8"	5 3/16"	4"	3"	
Used in Drig.										
Left in well										

PACKER RECORD

SHOOTING RECORD

Size	Depth Set	Type Packer	Date	Type Explosive	Amount	DEPTH		Volume Before Cu. Ft.	Volume After Cu. Ft.
						Top	Bottom		

VOLUME AND PRESSURE

Date	Reading in Inches	Liquid	Size Orifice	Volume	Sand	PRESSURE IN MIN.					24 Hour R. P.	Max. R. P.	Hours
						1	5	10	30	60			

TOTAL INITIAL OPEN FLOW

CUBIC FEET PER 24 HOURS

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Conductor	14			
10" Casing	252			
Waynesburgh Coal	750	754		
Mapletown Coal	1000	1007		
Pittsburgh Coal	1100	1108		
Little Darkard Sand	1450	1465		
8" Casing	1515			
Big Darkard Sand	1620	1655		
Coal	1705	1720		
Sand	1768	1825		Little Gas and Water
Salt Sand @ 1800'	1900	1915		
Sand	1925	1950		
Sand	2010	2050		
Sand	2060	2140		
Maxim Sand	2145	2210		
6-5/8" Casing	2295			
Big Line	2265	2287		
Big Injun Sand	2287	2530		
Squaw Sand	2538	2550		
Thirty Foot	2906	2950		
Fifty Foot	3112	3140		
Gordon Stray	3155	3166		
Gordon Sand	3180	3208		
Fourth Sand	3244	3254		
Fifth Sand	3300	3306		
Total Depth	3681			

RECEIVED  
Office of Oil and Gas

SEP 3 2021

WV Department of  
Environmental Protection

Cont.

Examined above information and measurements and found to be correct by

Examined and Approved by

Contractor

Field Superintendent

NOTE—The above blank must be filled out carefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the bill for drilling. All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in what sand and at what depth Oil, Gas or water was found, the quantity of same, the quality of the sand, and thickness of pay.

09/17/2021

The Manufacturers Light and Heat Co.  
Company

Division A

Record of well No. 1852 on Gay R. Mathews Farm Acres

Field	Township District	County	State
Rig Commenced	19	Completed	19
Drilling Commenced	19	Completed	19
Contractor	Address		
Driller's Name			

CASING AND TUBING RECORD

Conductor	13"	10"	8 1/4"	7"	6 5/8"	5 3/16"	4"	3"		
Used in Drig.										
Left in well										

PACKER RECORD

SHOOTING RECORD

Size	Depth Set	Type Packer	Date	Type Explosive	Amount	DEPTH		Volume Before Cu. Ft.	Volume After Cu. Ft.
						Top	Bottom		

VOLUME AND PRESSURE

Date	Reading in inches	Liquid	Size Orifice	Volume	Sand	PRESSURE IN MIN.					24 Hour R. P.	Max. R. P.	Hours	
						1	5	10	30	60				

TOTAL INITIAL OPEN FLOW

CUBIC FEET PER 24 HOURS

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
All casing pulled but 550' of 6-5/8" casing which was left in well				
Sept. 14, * Well plugged in big solum sand with 3- 6-5/8" dry hole plugs at 2315'				
Witness: Walter Wright & Frank Nemo.				
November 10, Well Plugged in 8" with 8" dry hole plug in Big Dunkard sand at 1640'				
Nov. 11, Plugged in 10" hole with 10" dry hole plug at 1072				
Witness: Nath Dunham R. L. Reid, Sam Craig, Wm. Sloanaker Harvey Riser, John Wasson.				
MATERIAL LEFT IN HOLE ON ACCOUNT OF FISHING FOR 6-5/8" CASING from Braden & Fletcher				
2 - 1-3/8 X 46' STEEL				
2 SET DRILLING JARS				
1 " LONG STROKE JARS				
1 - 7/8" WIRE LINE ROPE SOCKET				
FROM J. J. Farvin				
1 - 6 1/2" TRIP SPRAR				
1 - 6-5/8" MANDRILL				
1 - 6-5/8" COMB. SOCKET				
1 - MILL				
FROM COMPANY TOOLS				
1 - SUB 3-3/4 X 5"				
1 - SET LONG STROKE JARS				
1 - 3-1/4 X 1 1/2" SEEN				
1 - 7/8" WIRE LINE ROPE SOCKET				

RECEIVED  
Office of Oil and Gas

SEP 3 2021

WV Department of  
Environmental Protection

Examined above information and measurements and found to be correct by

Examined and Approved by

Contractor

Field Superintendent

NOTE—The above blank must be filled out carefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the bill for drilling. All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in what sand and at what depth Oil, Gas or water was found, the quantity of same, the quality of the sand, and thickness of pay.

09/17/2021

1852

Company \_\_\_\_\_

Division \_\_\_\_\_

Record of Well No. 1852 on Ray Farm \_\_\_\_\_ Acres \_\_\_\_\_

Field \_\_\_\_\_ District Township \_\_\_\_\_ County \_\_\_\_\_ State \_\_\_\_\_

Rig Commenced \_\_\_\_\_ 19 \_\_\_\_\_ Completed \_\_\_\_\_ 19 \_\_\_\_\_

Drilling Commenced \_\_\_\_\_ 19 \_\_\_\_\_ Completed \_\_\_\_\_ 19 \_\_\_\_\_

Contractor \_\_\_\_\_ Address \_\_\_\_\_

Driller Name \_\_\_\_\_

RECEIVED Office of Oil and Gas

CASING AND TUBING RECORD

SEP 3 2021

Conductor	13"	10"	8 1/4"	7"	6 3/4"	5 1/2"	4"	3"
Used in Drig.								
Left in Well								

WV Department of Environmental Protection

PACKER RECORD

SHOOTING RECORD

Size	Depth Set	Type Packer	Date	Type Explosive	Amount	DEPTH		Volume Before Cu. Ft.	Volume After Cu. Ft.
						Top	Bottom		

VOLUME AND PRESSURE

Date	Reading in Inches	Liquid	Size Orifice	Volume	Sand	PRESSURE IN MIN.					24 Hr. R. P.	Max. R. P.	Hour	
						1	5	10	30	60				

TOTAL INITIAL OPEN FLOW

CUBIC FEET PER 24 HOURS

FORMATION	Top	BOTTOM	THICKNESS	REMARKS			
Clay yellow soft	0	14	14	Dark Black Dry soft	1140	1170	16
Sand white firm	14	24	10	Lime shell hard	1170	1200	30
Slate dark soft	24	124	100	Dark grey soft	1200	1220	20
Reddish grey soft	124	151	27	White hard	1220	1240	20
Sand white firm	150	185	35	Slate dark soft	1240	1300	60
Reddish grey soft	185	213	28	Sand dark hard	1300	1325	25
Slate dark soft	213	371	158	Reddish grey soft	1325	1340	15
Reddish grey soft	370	450	80	Slate grey soft	1340	1350	10
Slate dark soft	450	480	30	Dark grey soft	1350	1370	20
Sand brown hard	480	570	90	Dark grey hard	1370	1400	30
Slate white firm	510	540	30	Dark grey soft	1400	1450	50
Lime shell hard	540	630	90	Slate dark hard	1450	1460	10
Slate white soft	630	110	480	Dark grey soft	1460	1480	20
Lime shell hard	715	75	640	Dark grey soft	1480	1570	90
Dark grey soft	750	754	4	Lime shell hard	1570	1585	15
Slate white soft	105	154	49	Slate black soft	1585	1620	35
Slate dark soft	184	210	26	Slate dark medium	1620	1705	85
Sand white hard	210	240	30	Slate dark hard	1710	1740	30
Slate dark soft	240	240	0	" " "	1825	1820	5
Lime shell hard	240	420	180	Slate " soft	1740	1800	60
Slate white soft	420	70	350	" " "	1710	1720	10
Lime shell hard	420	140	98	Dark grey " " 2 1/4	1750	2010	260
Sand white soft	1001	1050	49	Slate dark soft	2250	2260	10
Slate dark soft	1050	1100	50	" " "	2140	2140	0
Slate " "	1100	1120	20	Sand fine black soft	2210	2224	14
Lime shell " hard	1120	1120	0	Dark grey lime shells black	2224	2262	38
Slate dark soft	1120	1120	0	" " " "	2530	2508	22
Lime shell hard	1140	1140	0	Dark grey light hard	2528	2530	2

Examined above information and measurements and found to be correct by

Examined and Approved by

Contractor

Field Superintendent

NOTE-The above blank must be filled out carefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the bill for drilling. All formations and known sands must be given by their proper name, with actual line measurements, and under the head of "Remarks" must be recorded in what sand and at what depth Oil, Gas or Water was found, the quantity of same, the quality of the sand, and thickness of pay.

09/17/2021

1852

Division \_\_\_\_\_ Company \_\_\_\_\_  
 Record of Well No. 1852 on Ray Matthews Farm \_\_\_\_\_ Acres \_\_\_\_\_  
 Field \_\_\_\_\_ District \_\_\_\_\_ County \_\_\_\_\_ State \_\_\_\_\_  
 Township \_\_\_\_\_  
 Rig Commenced \_\_\_\_\_ 19 \_\_\_\_\_ Completed \_\_\_\_\_ 19 \_\_\_\_\_  
 Drilling Commenced \_\_\_\_\_ 19 \_\_\_\_\_ Completed \_\_\_\_\_ 19 \_\_\_\_\_  
 Contractor \_\_\_\_\_ Address \_\_\_\_\_  
 Driller Name \_\_\_\_\_

Page 3

CASING AND TUBING RECORD

	Conductor	13"	10"	8 1/4"	7"	6 1/2"	5 1/2"	4"	3"		
Used in Drig.											
Left in Well											

PACKER RECORD

SHOOTING RECORD

Size	Depth Set	Type Packer	Date	Type Explosive	Amount	DEPTH		Volume Before Cu. Ft.	Volume After Cu. Ft.
						Top	Bottom		

VOLUME AND PRESSURE

Date	Reading in Inches	Liquid	Size Orifice	Volume	Sand	PRESSURE IN MIN.					24 Hr. R. P.	Max. R. P.	Hours	
						1	5	10	30	60				

TOTAL INITIAL OPEN FLOW

CUBIC FEET PER 24 HOURS

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Slates <i>shale</i>	255'	270'	3-5'	
Slates <i>dark</i>	275'	275'	3'	
<i>shale</i>	290'	300'	10'	
Slates <i>dark</i>	305'	312'	3-8"	
<i>shale</i>	316'	315'	1'	
Slates <i>dark</i>	316'	315'	1'	
Slates <i>dark</i>	320'	324'	3-8"	
Slates <i>dark</i>	325'	325'	1'	

RECEIVED  
Office of Oil and Gas

SEP 3 2021

WV Department of  
Environmental Protection

Examined above information and measurements and found to be correct by \_\_\_\_\_

Examined and Approved by \_\_\_\_\_

Contractor

Field Superintendent

NOTE—The above blank must be filled out carefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the bill for drilling. All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in what sand and at what depth Oil, Gas or Water was found, the quantity of same, the quality of the sand, and thickness of pay.

09/17/2021

*The Wheeling & Lake Erie Company*

1852

Division *Commonwealth* 248 Fourth Ave., Pittsburgh, Penna.

Record of Well No. *1* on *Liberty* Farm *60* Acres

*Commonwealth* Field *Liberty* District *Marshall* County *91 7/8* State

Rig Commenced *May 6* 1915, Completed *May 18* 1915

Drilling Commenced *May 7* 1915, Completed *Sept 1* 1915

Cost per foot *1.11* Contractor *Adams & Miller* Address *Commonwealth 91 7/8*

Drillers' Names *W.C. Strubel, Grant Richard, Carl Fisher, ...*

BOILER			ENGINE			RIG			
H. P.	No.	Name of Maker	H. P.	No.	Name of Maker	New	Old	Height	Name of Builder
								<i>82'</i>	<i>H.N. Yost</i>

CONDUCTOR AND CASING USED IN DRILLING									
Conductor	13 inch	10 inch	8 1/2 inch	8 inch	6 1/2 inch	5 1/2 inch	5 3/8 inch	5 inch	4 inch
<i>14</i>		<i>252</i>	<i>1575</i>	<i>2295</i>					

CONDUCTOR AND CASING LEFT IN WELL									
Conductor	13 inch	10 inch	8 1/2 inch	8 inch	6 1/2 inch	5 1/2 inch	5 3/8 inch	5 inch	4 inch

OIL WELL			GAS WELL							
When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods	Tanks	Size of Packer	Depth Set	Packed with	1st Minute's Pressure	Rock Pressure
FORMATION	Top	Bottom	Thickness	REMARKS						
<i>Waynesburg Coal</i>	<i>750</i>	<i>734</i>	<i>4</i>	<i>Little gas and water 1800ft</i>						
<i>Wb. Gray Coal</i>	<i>1000</i>	<i>1007</i>	<i>7</i>	<i>Little gas at 2180</i>						
<i>Pittsburgh Coal</i>	<i>1100</i>	<i>1108</i>	<i>8</i>	<i>" " " 2372</i>						
<i>Little Dunkard</i>	<i>1450</i>	<i>1465</i>	<i>15</i>	<i>Sept 14-1915 Well Plugged in 678</i>						
<i>Big Dunkard</i>	<i>1620</i>	<i>1655</i>	<i>35</i>	<i>Hole in Big Dunkard sand at 2315 ft</i>						
<i>Coal</i>	<i>1705</i>	<i>1710</i>	<i>5</i>	<i>with 3-678 Dry Hole Plugs</i>						
<i>Sand</i>	<i>1768</i>	<i>1825</i>	<i>57</i>	<i>Nov. 10-1915 Plugged with 1-8" Hole</i>						
<i>Sand</i>	<i>1900</i>	<i>1915</i>	<i>15</i>	<i>in Big Dunkard sand at 1640 ft.</i>						
<i>Sand</i>	<i>1925</i>	<i>1950</i>	<i>25</i>	<i>Nov. 11-1915. Plugged in 10" Hole</i>						
<i>Sand</i>	<i>2010</i>	<i>2050</i>	<i>40</i>	<i>with 1-10" Dry Hole at 1072 ft.</i>						
<i>Sand</i>	<i>2060</i>	<i>2140</i>	<i>80</i>	<i>with 1-10" Dry Hole at 1072 ft.</i>						
<i>Moxium Sand</i>	<i>2145</i>	<i>2210</i>	<i>65</i>	<i>Samuel Craig, Wm. Stonaker</i>						
<i>Big limestone</i>	<i>2262</i>	<i>2287</i>	<i>25</i>	<i>Harvey Risor, John Wassum</i>						
<i>Big limestone</i>	<i>2287</i>	<i>2520</i>	<i>243</i>	<i>Material left in well and casing</i>						
<i>Snow sand</i>	<i>2538</i>	<i>2550</i>	<i>12</i>	<i>From Braden &amp; Fletcher</i>						
<i>Windy foot</i>	<i>2906</i>	<i>2950</i>	<i>44</i>	<i>2-4 3/8 x 16 ft stems.</i>						
<i>Windy foot</i>	<i>3112</i>	<i>3140</i>	<i>28</i>	<i>2-set Drilling Jars</i>						
<i>Golden Strand</i>	<i>3153</i>	<i>3166</i>	<i>11</i>	<i>1- " long Stroke Jars</i>						
<i>Sand</i>	<i>3180</i>	<i>3208</i>	<i>28</i>	<i>1- 7/8" wire line Rope socket</i>						
<i>Fourth Sand</i>	<i>3244</i>	<i>3254</i>	<i>10</i>	<i>From J.J. Davin</i>						
<i>Fifth Sand</i>	<i>3300</i>	<i>3306</i>	<i>6</i>	<i>1- 6 1/2" Trip spear</i>						
<i>Total depth</i>	<i>3681</i>			<i>1- 6 7/8" Mandril.</i>						
				<i>1- 6 7/8" Comp socket.</i>						
				<i>1- Mill.</i>						
				<i>From Gannony Tools.</i>						
				<i>1- Sub 3/4 x 3"</i>						
				<i>1-set long stroke Jars.</i>						
				<i>1- 3/4 x 44 ft stem</i>						
				<i>1- 7/8" wire line Rope socket.</i>						

Examined above information and measurements and found to be correct by *W.C. Strubel* Contractor. Examined and approved by *W.C. Strubel* Superintendent of Co.

NOTE - The above blank must be filled out carefully by the Contractor, with a complete and accurate record of the Well, and accounting, when presented for payment the bill for drilling.

All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in what sand and at what depth Oil, Gas or Water was found, the quantity of same, the quality of the sand, and thickness of pay.

Make no memoranda of boiler and engine if owned by contractor.

RECEIVED  
 Office of Oil and Gas  
 SEP 9 2021  
 WV Department of Environmental Protection

WELL RECORD

Wheeling Nat Gas Co.

WELL No. 1852

OWNER Gay J. Matthews

DISTRICT Liberty

COUNTY Marshall

STATE W. Va

OWNED BY Wheeling Nat Gas Co

DIVISION Cameron

DATE 8/3/2021

ENTERED BY R. HOON FOLIO

BY [Signature]

RECEIVED  
Office of Oil and Gas

SEP 3 2021

WV Department of  
Environmental Protection

09/17/2021