

Minimum Error of Closure 1' IN 200'
 Source of Elevation ROAD FORK AT McDONALD SCHOOL HOUSE ELEV 1044.17'

"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 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

New Location
 Drill Deeper
 Abandonment

MAP 58-S.20E.7 F.B. 537 P. 28-29

Company CONSOLIDATED GAS SUPPLY CORP. 196
 Address CLARKSBURG, WEST VIRGINIA
 Farm WM GASTON
 Tract _____ Acres 65 Lease No. 2350
 Well (Farm) No. _____ Serial No. 1231
 Elevation (Spirit Level) 1424' 669
 Quadrangle WESTON-NW WEST MILFORD
 County HARRISON District UNION
 Engineer Jackson M. Jarvis
 Engineer's Registration No. 2397
 File No. _____ Drawing No. _____
 Date 3-17-66 Scale 1" = 30 P.

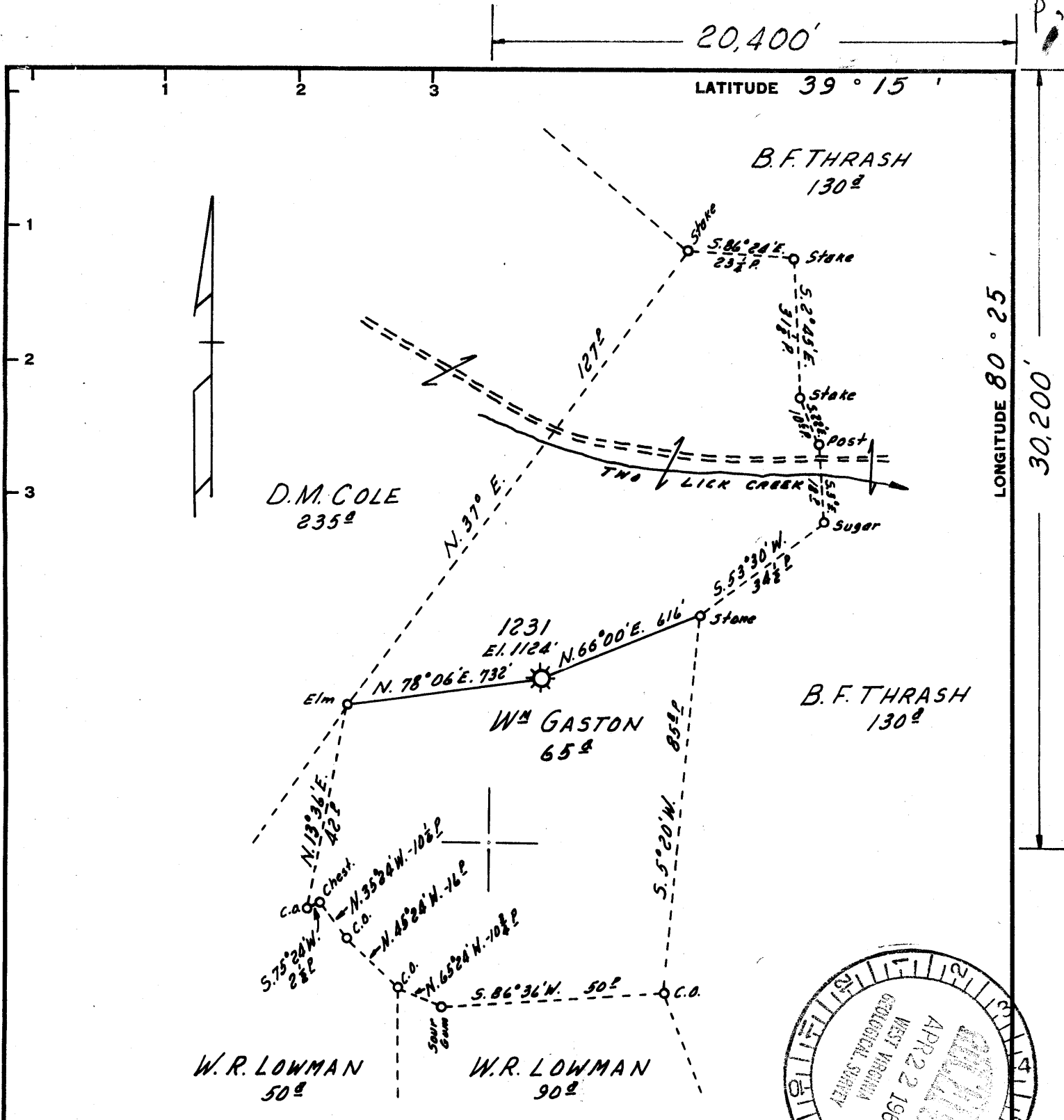
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. HAR-417-00-F

7 1/2 NW
 + 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.

JUL 21 1966
 well was drilled on
 workover permit



Minimum Error of Closure..... 1' IN 200'

Source of Elevation ROAD FORK AT McDONALD SCHOOL HOUSE Elev. 1124.17

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New Location.....

Drill Deeper.....

Abandonment.....

MAP 58-S.20E.7 F.B. 537 P. 28-29

Company CONSOLIDATED GAS SUPPLY CORP.

Address CLARKSBURG, WEST VIRGINIA

Farm Wm GASTON

Tract _____ Acres 65 Lease No. 2350

Well (Farm) No. _____ Serial No. 1231

Elevation (Spirit Level) 1124

Quadrangle WESTON-NW

County HARRISON District UNION

Engineer Jackson M. Jarwin

Engineer's Registration No. 2397

File No. _____ Drawing No. _____

Date 3-17-66 Scale 1" = 30 P.

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

WELL LOCATION MAP
FILE NO. HAR-417(00-C)

+ 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.



RECEIVED
NOV 10 1986

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
Department of Mines
Oil and Gas Division

Date November 4, 1986
Operator's
Well No. 1231
Farm William Gaston
API No. 47 - 033 - 0417

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

*drilled deeper
on frac permit*

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

LOCATION: Elevation: 1124' Watershed Two Lick Creek
District: Union County Harrison Quadrangle Weston

COMPANY Consolidated Gas Transmission Corp.
ADDRESS 445 W. Main St., Clarksburg, WV
DESIGNATED AGENT W. A. Fox
ADDRESS 445 W. Main St., Clarksburg, WV
SURFACE OWNER Jeff Ashcraft
ADDRESS Rt. 2, Jane Lew, WV 26378
MINERAL RIGHTS OWNER Glada M. Gaston
ADDRESS 3 Cypress Run, Apt. 32C, Homosassa, FL. 32646
OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey
ADDRESS Rt. 2, Box 232-D, Jane Lew, WV 26378
PERMIT ISSUED July 14, 1986
~~DRILLING COMMENCED~~ September 10, 1986
~~DRILLING COMPLETED~~ September 19, 1986
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cord.			
13-10"			
9 5/8			
8 1/4			
8 5/8		1145	
6 5/8		1617	
5 1/2			
4 1/2		4540	
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Balltown Depth 3362-3385 feet
Depth of completed well 3500 feet Rotary / Cable Tools
Water strata depth: Fresh n/a feet; Salt feet
Coal seam depths: 110-115 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Balltown Pay zone depth 3362-3385 feet
Gas: Initial open flow n/a Mcf/d Oil: Initial open flow Bbl/d
Final open flow 440 Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests n/a hours
Static rock pressure 1200 psig (surface measurement) after 14 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

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

Perforated Balltown - 3328 - 3384 with 22 holes.
Fractured with 59,000# sand and 750 gal. HCL-15%.

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			110	115	
Dunkard			540	700	
Salt			900	1300	
Injun			1669	1749	
Gantz			1925	1940	
Fifty Foot			2125	2160	
Thirty Foot			2170	2190	
Stray			2208	2261	
Gordon			2292	2312	
Fifth			2415	2429	
Speechley			3120	3139	
Bayard			3330	3340	
Balltown			3362	3385	
Total Depth				3500	

2500' marked
0234' above
1236' marked

(Attach separate sheets as necessary)

Consolidated Gas Transmission Corp.
Well Operator

By: J. L. Twinn Manager of Production
Date: November 5, 1986 for W. E. Kelly

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."



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle WESTON N. W.

Permit No. NONE H-417-(DD-C) WELL RECORD

Oil or Gas Well GAS
(KIND)

Company CONSOLIDATED GAS SUPPLY CORP.
Address 445 WEST MAIN STREET CLARKSBURG, W. VA.
Farm WILLIAM GASTON Acres 65
Location (waters) TWO LICK CREEK
Well No. 6234 Elev. 1124
District UNION County HARRISON
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced APRIL 29, 1909
Drilling completed JUNE 30, 1909
Date Shot 8/29/1919 From 2414 To 2425
With 30 QTS.

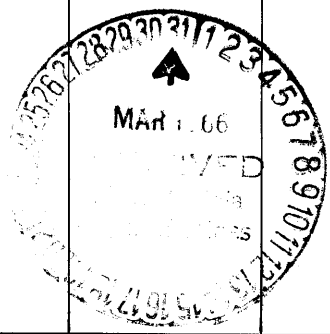
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	215	0	Size of
8 1/4	1145	1145	
6 3/8	1617	1617	Depth set
5 3/16	2234	2234	
4 1/2			
3			Perf. top
2	2450	0	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Open Flow /10ths Water in _____ Inch
12 /10ths Merc. in 4" OPENING Inch
Volume 2,471,040 Cu. Ft.
Rock Pressure 890 lbs. 24 hrs.
Oil NONE bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) NOT ACIDIZED
WELL FRACTURED (DETAILS) NOT FRACTURED

Attach copy of cementing record.
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
Amount of cement used (bags) NO CEMENTING
Name of Service Co. _____
COAL WAS ENCOUNTERED AT 110 FEET 60 INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____
ROCK PRESSURE AFTER TREATMENT _____ HOURS _____
Fresh Water NONE RECORDED Feet _____ Salt Water NONE RECORDED Feet _____
Producing Sand FIFTH SAND WILL DRILL DEEPER Depth 2434

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
PITTSBURGH COAL			110	115			
DUNKARD			540	700			
SALT SAND			900	1300			
INJUN			1669	1740			
GANTZ			1925	1940	GAS	1926	
50 FOOT			2125	2160			
30 FOOT			2170	2190			
STRAY SAND			2206	2261	GAS	2206	
GORDON			2292	2312			
FIFTH SAND			2415	2430	GAS	2415	
TOTAL DEPTH				2434			WILL DRILL DEEPER



Duplicate
Depositing permit was cancelled

7/85

RECEIVED
JUN 26 1986



1) Date: June 23, 1986
 2) Operator's Well No. 1231
 3) API Well No. 47 033 0417-F
 State County Permit

STATE OF WEST VIRGINIA

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
 DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1124' Watershed: Two Lick Creek
 District: Union County: Harrison Quadrangle: Weston 669
- 6) WELL OPERATOR CGTC 196 CODE: 10900 7) DESIGNATED AGENT W. A. Fox
 Address 445 West Main Street Address 445 West Main Street
Clarksburg, West Virginia Clarksburg, WV 26301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Stephen Casey Name Unknown at this time.
 Address Rt. 2, Box 232-D Address _____
Jane Lew, WV 26378
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify) Pull 4 1/2", re-run to 3500'.
- 11) GEOLOGICAL TARGET FORMATION, Balltown 433
- 12) Estimated depth of completed well, 3500 feet
- 13) Approximate strata depths: Fresh, n/a feet; salt, _____ feet.
- 14) Approximate coal seam depths: 110-115 Is coal being mined in the area? Yes / No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	8 1/4						1145		
Coal	6 5/8						1145		Sizes
Intermediate									
Production	4 1/2	K-55	10.5	X		3500	3500	<u>to 1147</u>	Depths set
Tubing	2					1930	1930	<u>OR AS REQUIRED BY Rule 15.01</u>	Perforations:
Lin.									Top Bottom
									Unknown at this time.

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-033-0417-F Date July 14 1986

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.
 Permit expires July 14, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>AB</u>	Plat: <u>AS</u>	Casing: <u>AS</u>	Fee: <u>26938</u> <u>26939</u>	WPCP: <u>AS</u>	S&E: <u>AS</u>	Other:
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John N Johnston
 Director, Division of Oil and Gas
 By Margaret J. Hesse File

NOTE: Keep one copy of this permit posted at the drilling location.

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.