

Minimum Error of Closure 1' in 200'

Source of Elevation B.M. - Consolidated Gas Supply Corporation Well 4971

Elevation - 1195'

"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 Sheet 55 S-18 E-6

FB.1754 Pg.12-13

Company Consolidated Gas Supply Corporation

Address 445 W. Main St., Clarksburg, W. Va.

Farm D.L. Hall, DAUGHERTY (SURF)

Tract Acres 280 Lease No. 2394

Well (Farm) No. Serial No. 12059

Elevation (Spirit Level) 1219' ? NW

Quadrangle West Milford 7 1/2' Weston 15'

County Harrison District Union

Engineer Jackson M. Jarvis

Engineer's Registration No. 2397

File No. Drawing No.

Date 11-14-75 Scale 1" = 1320'

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

WELL LOCATION MAP
FILE NO. HAR-925

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. 47-033

NOTE: LATITUDE, LONGITUDE AND WELL TIES FROM DGPS SUBMITTER SURVEY DATED 01/26/00.

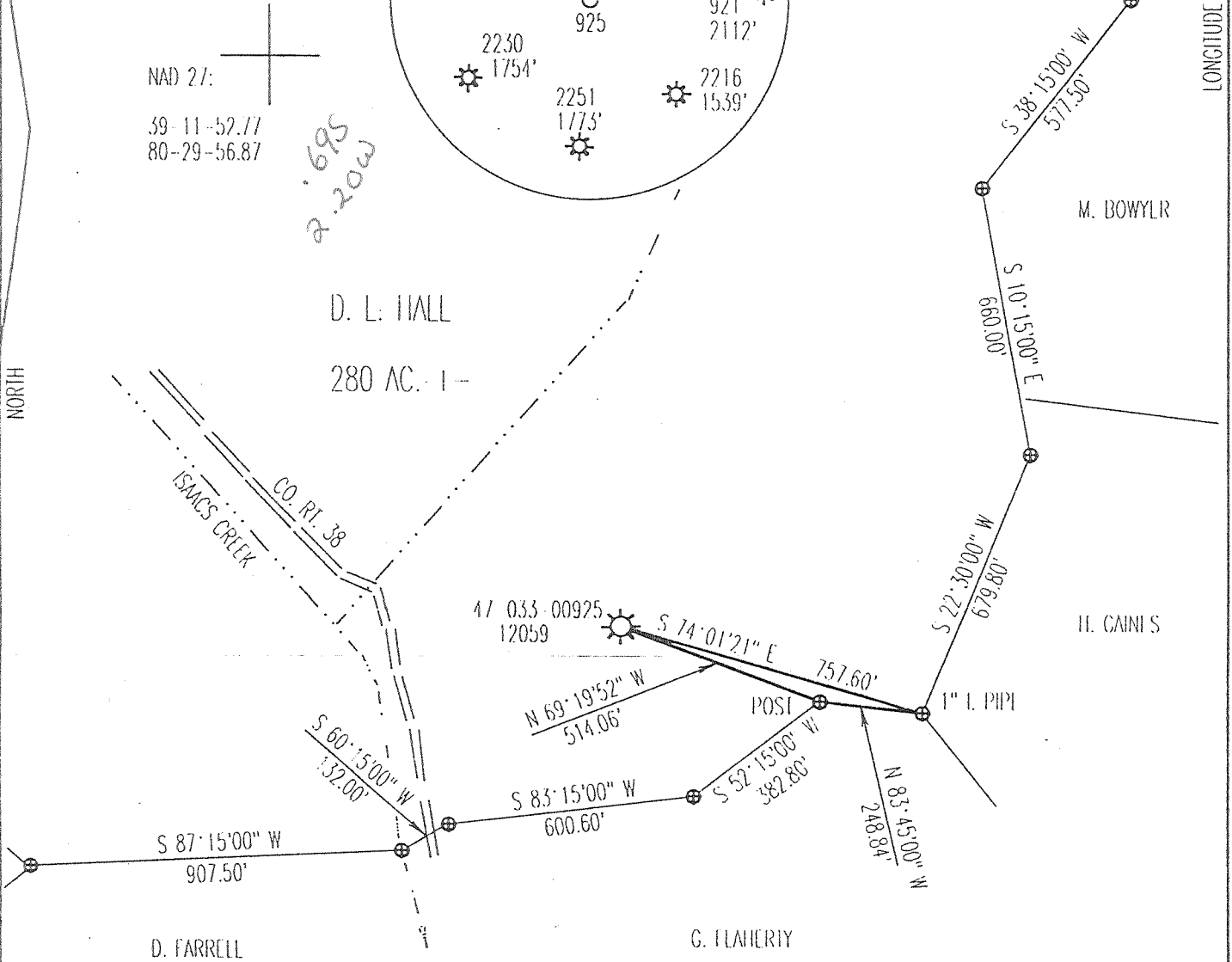
SURFACE AND ADJOINING OWNERSHIP AND BOUNDARY INFORMATION FROM COURT HOUSE.

LATITUDE 39 12 30

SCALED COOR.:

3,640' SOUTH
11,600' WEST

LONGITUDE 80-27-30



(1) DENOTES LOCATION OF WELL ON UNFILED STATE TOPOGRAPHIC MAPS

FILE NUMBER: _____ DRAWING NUMBER: 12059.PCS SCALE: 1" = 400' MINIMUM DEGREE OF ACCURACY: 1 IN 200 PROVEN SOURCE OF ELEVATION: DGPS SURVEY 01/26/00 SUBMITTER SYSTEM: _____	I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY. (SIGNATURE) _____ STEPHEN D. LOSH, P.S. #674	
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STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS 110 McJUNKIN ROAD NIRO, WV 25143-2506 FORM WW 6	LAND SURVEYING SERVICES 21 CEDAR LANE, BRIDGEPORT, WV 26350 PHONE: 304-842-2018 OR 842-5162	DATE: JANUARY 26, 2000 OPERATORS WELL NO.: 12059 API WELL NO. 47-033-00925 F STATE COUNTY PERMIT
WELL TYPE: OIL ___ GAS <input checked="" type="checkbox"/> LIQUID INJECTION ___ WASTE DISPOSAL ___ (IF "GAS") PRODUCTION <input checked="" type="checkbox"/> STORAGE ___ DLEP ___ SHALLOW <input checked="" type="checkbox"/>	LOCATION: ELEVATION 1223.95' WATERSHED ISMACS CREEK DISTRICT _____ UNION _____ COUNTY HARRISON QUADRANGLE WEST MILFORD LAST NUMBER 2594	SURFACE OWNER IRIDIE R. DAUGHERTY ACRES 252.86 OIL & GAS ROYALTY OWNER D. L. HALL LEASE ACRES 280.00
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE (SPECIFY) _____ TARGET FORMATION _____ PLUG & ABANDON ___ CLEAN OUT & REPLUG ___ ESTIMATED DEPTH _____	WELL OPERATOR CNG TRANSMISSION CORP. DESIGNATED AGENT JAMES D. BLASINGAMI ADDRESS 445 W. MAIN ST. CLARKSBURG, WV 26301 ADDRESS 445 W. MAIN ST. CLARKSBURG, WV 26301	COUNTY NAME HARRISON PERMIT 0925F

MAR 3 2000

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Reviewed _____

Well Operator's Report of Well Work

Farm name: Daugherty, Freddie R. Operator Well No.: WV 12059

LOCATION: Elevation: 1223.93 Quadrangle: West Milford

District: Union County: Harrison
Latitude: 3640 Feet South of 39 Deg. 12 Min. 30 Sec.
Longitude 11600 Feet West of 80 Deg. 27 Min. 30 Sec.
Dominion

Company: CNG Transmission Corp.

P O Box 1248
Jane Lew, WV 26378

Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
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Address:			
Agent: <u>Brian Sheppard</u>			
Inspector: <u>Tim Bennett</u>			
Date Permit Issued: <u>3/01/00</u>			
Date Well Work Commenced: <u>6/29/00</u>			
Date Well Work Completed: <u>8/18/00</u>		<u>See Original WR-35</u>	
Verbal Plugging: <u>N/A</u>			
Date Permission granted on: <u>N/A</u>		<u>for existing casing program.</u>	
Rotary <input type="checkbox"/> Cable <input checked="" type="checkbox"/> Rig			
Total Depth (feet):			
Fresh Water Depth (ft.): <u>N/A</u>			
Salt Water Depth (ft.): <u>N/A</u>			
Is coal being mined in area (N/Y)? <u>N</u>			
Coal Depths (ft.): <u>N/A</u>			

Office of Oil & Gas
Permitting
SEP 27 2000
WV Division of Environmental Protection

OPEN FLOW DATA

Balltown 3562-3594'
Producing formation Speechley Pay zone depth (ft) 3326-3332'
Gas: Initial open flow - MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 292 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 12 Hours
Static rock Pressure 300 psig (surface pressure) after 12 Hours

Second producing formation 5th Sand Pay zone depth (ft) 2626-2674'
Gas: Initial open flow * MCF/d Oil: Initial open flow * Bbl/d
Final open flow * MCF/d Final open flow * Bbl/d
Time of open flow between initial and final tests * Hours
Static rock Pressure * psig (surface pressure) after * Hours

* Commingled

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: [Signature]
By: Manigie, Field Engineering
Date: 9-22-00

NR

HAR 0925 F

COMPANY/WELL NO.: CNGT WEWV12059

08/16/2000 PLAN TO FRAC 8/18/00

08/18/2000 PERFED AND FRACED AS FOLLOWS:
09/13/2000

BALLTOWN, 3562 - 3594', 20 HOLES, B.D. 1337#, AVG RATE 19 BPM, AVG PRESS

1477#, 469 BBLs, TOT SAND 31,000#, ISIP 1178#

SPEECHLEY, 3326 - 3332', 18 HOLES, B.D. 2615#, AVG RATE 15 BPM, AVG PRESS

2294#, 417 BBLs, TOT SAND 25,000# ISIP 1667#

5TH SAND, 2626 - 2674', 14 HOLES, BD 1068#, AVG RATE 18 BPM, AVG PRESS

2243#, 368 BBLs, TOT SAND 21,500#, ISIP 1926#

SICP = 550#. GOOD SHOW OF OIL. SWABBING.

08/22/2000 SICP = 490#. O.F. = 260 MCF. SWABBED AND SAND PUMPED.

08/23/2000 SICP = 390#. O.F. = 267 MCF. SWABBED AND SAND PUMPED OFF SOLID

PLUG AT 3660'.

08/25/2000 WORKING ON WELL. ROCK PRESSURE = 300#, OF = 267

MCF. SWABBING AND SAND PUMPING OFF SOLID PLUG @ 3660'.

08/26/2000 DRILLED OUT SOLID PLUG AND PUT ON BOTTOM. TD AT 4682'. O.F. = 292 MCF.

T.B.I.L. - 300#.

FINAL REPORT



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

RECEIVED

JUN 23 1976

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Quadrangle WESTON
Permit No. HAR-925

Rotary XX Oil
Cable _____ Gas XX
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Company Consolidated Gas Supply Corporation
Address Clarksburg, W. Va.
Farm D. L. Hall Acres 280
Location (waters) Isaacs Creek
Well No. 12059 Elev. 1219'
District Union County Harrison
The surface of tract is owned in fee by _____

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10*	20	20	To Surface
9 5/8			
8 5/8	197	197	To surface
7			
5 1/2			
4 1/2	1750	1750	100 bags
3			
2			
Liners Used			

Address _____
Mineral rights are owned by _____
Address _____
Drilling Commenced 12-23-75
Drilling Completed 01-01-76
Initial open flow 64 M cu. ft. _____ bbls.
Final production 1,639 M cu. ft. per day _____ bbls.
Well open 14 days hrs. before test 1750# RP.

Well treatment details:

Attach copy of cementing record.

Well fractured 1-14-76 with 950 bbl water, 60,000# sand, 500 gal acid & 2500 HHP
Perforations: 1654'-1662' with 21 holes

Coal was encountered at 280 Feet 48" Inches
Fresh water 75' Feet _____ Salt Water _____ None Feet _____
Producing Sand Benson 1654-62' Depth _____ See perms

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			0	280	Water	75' Fresh
Coal			280	284		
Sand & Shale			284	1705		
Little Lime			1705	1745		
Big Lime			1745	1805		
Big Injun			1805	1910		
Sand & Shale			1910	2325	Gas	2167'
Gordon Stray			2325	2440		
Sand & Shale			2440	2490		
5th Sand			2490	2660		
Sand & Shale =			2660	2700		
Bayard			2700	2725		
Sand & Shale			2725	3440		
Balltown			3440	3620	Gas	1628'
Sand & Shale			3620	4460		
Riley			4460	4600		
Sand & Shale			4600	4645		
<u>BENSON</u>			4645	4665	Gas	1654-62'
			btm 4 1/2" csq 4950 109 TO 4815		Consolidated Gas Supply Corporation 445 West Main Street Clarksburg, W. Va.	
KBM 11' above G.L.						

(over)

* Indicates Electric Log tops in the remarks section.

JUN 30 1976



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

DEC-13 1975

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE December 10, 1975

Surface Owner O. G. Daugherty
Address Lost Creek, W. Va.
Mineral Owner David Garrett
Address 104 Grover Ct., Charlettsville, Va.
Coal Owner No Coal
Address _____
Coal Operator None
Address _____

Company Consolidated Gas Supply Corporation
Address Clarksburg, W. Va.
Farm D. L. Hall Acres 280
Location (waters) Isaacs Creek
Well No. 12059 Elevation 1219'
District Union County Harrison
Quadrangle WESTON

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22,
of the W. Va. Code, the location is hereby approved
for drilling. This permit shall expire if
operations have not commenced by 4-16-76.

Robert R. [Signature]

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Paul Garrett
PH: 622-3871 ADDRESS Clarksburg W. Va.

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 1-26-01 19 by D. L. Hall made to Hope Natural Gas Co. and recorded on the 20th day of April 1901, in Harrison County, Book 121 Page 136

~~XXXXX~~ 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 _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:
West Virginia Geological and Economic Survey
P. O. Box 379
Morgantown, W. Va. 26505
AC 304-296-4461

Very truly yours,
(Sign Name) [Signature] Paul Garrett Manager of Prod.
Well Operator

Address
of
Well Operator

Consolidated Gas Supply Corporation
Street
115 West Main Street
City or Town
Clarksburg, W. Va.
State

*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.

BLANKET BOND

44-925 PERMIT NUMBER
47-033

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

PROPOSED WORK ORDER TO XXX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME S. W. Jack Drilling Company NAME R. E. Bayne
 ADDRESS Indiana, Pa. ADDRESS Bridgeport, W. Va.
 TELEPHONE _____ TELEPHONE 623-3611
 ESTIMATED DEPTH OF COMPLETED WELL: 4830' ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson
 TYPE OF WELL: OIL _____ GAS XX 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			
XXXX 11"	20'	20'	To surface
9 - 5/8			
8 - 5/8	500'	500'	To surface
7			
5 1/2			
4 1/2	4830'	4830'	125 Bags
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 85' FEET SALT WATER None FEET
 APPROXIMATE COAL DEPTHS None
 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