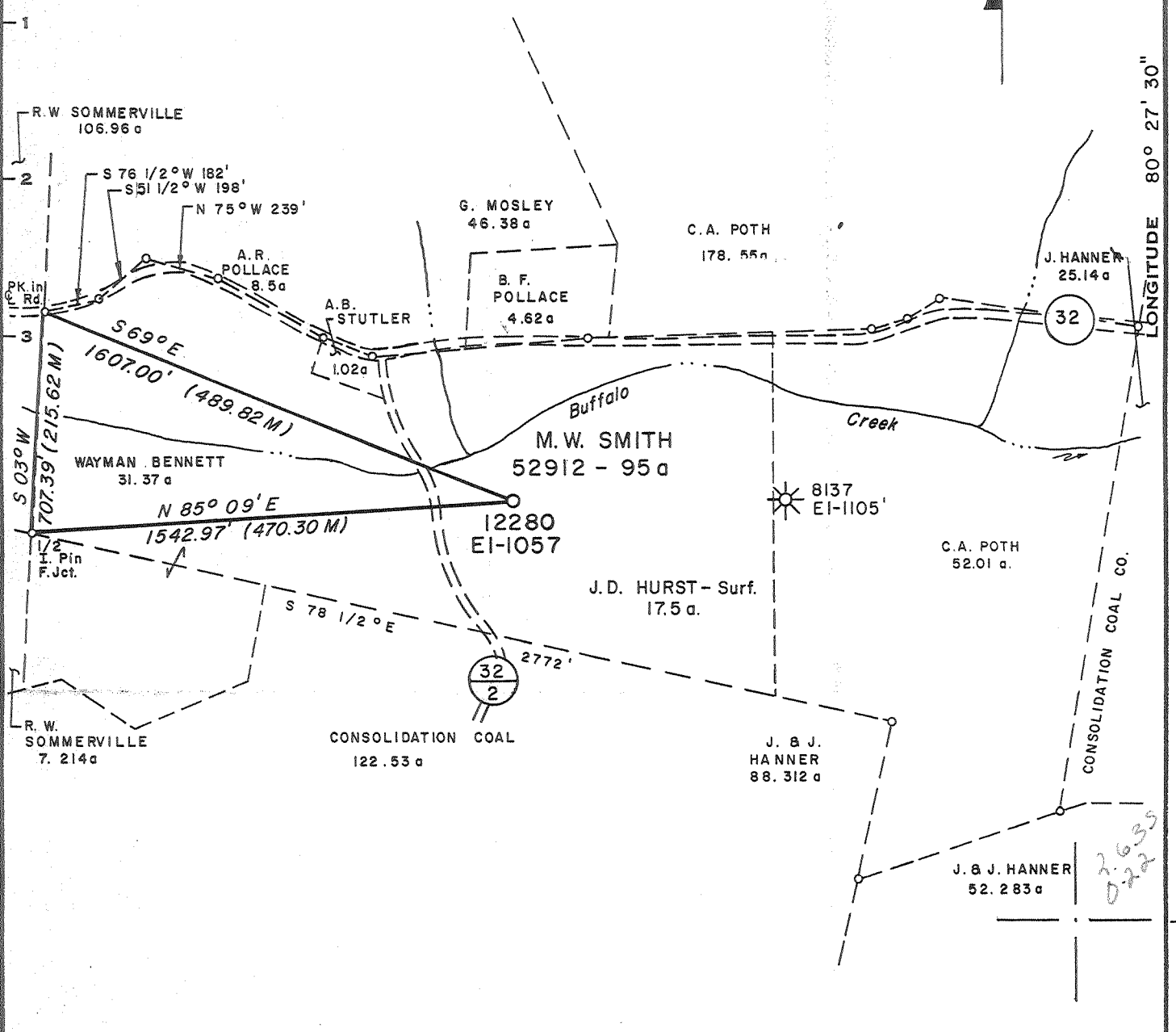


Jamie 6/21/90



LONGITUDE 80° 27' 30"

13,910'
(4239.82 M)

Minimum Error of Closure 1' in 200'
 Source of Elevation B. M. C.G.S.C. Well # 8137 EI-1105'

"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."

Frac 6-25/90

- New Location
- Drill Deeper
- Abandonment

Map Sheet 55 S17 E 8

F. B. 1834 Pg. 20 & 22, 26-28

Company ENSOURCE INC. 256
 Address PO DRAWER 1739 Clarkburg, W. Va. 26301
 Farm M.W. SMITH (J.D. Hurst - Surf.)
 Tract Acres 95 Lease No. 52912
 Well (Farm) No. 12280 Serial No. 12280
 Elevation (Spirit Level) 1057' Weston 15 N W
 Quadrangle West Milford, W. Va. 7 1/2 - 1961
 County Harrison District Union
 Engineer Michael S. Zeman
 Engineer's Registration No. 5525
 File No. _____ Drawing No. _____
 Date 4-6-77 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. HAR-1137-Frac

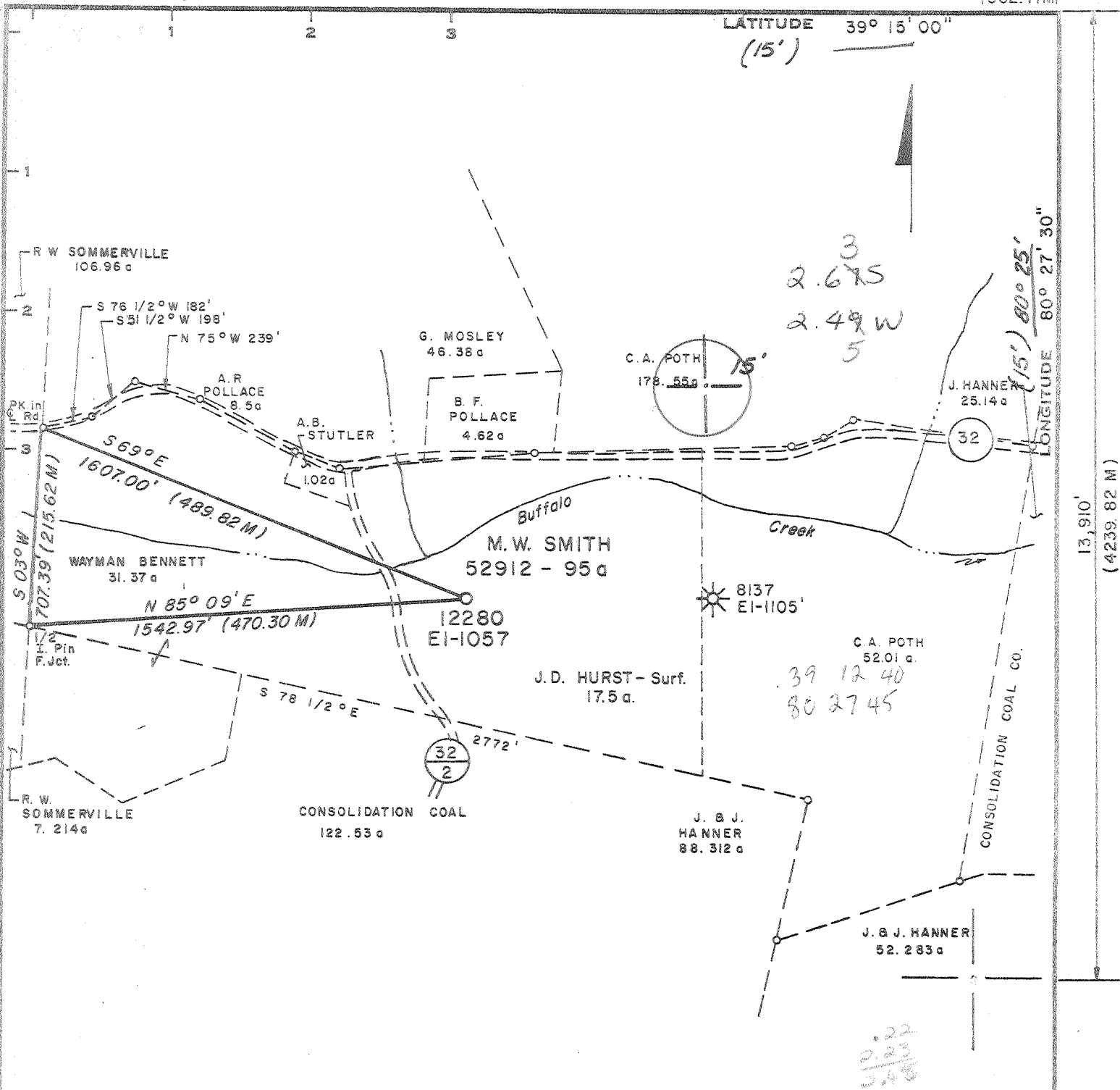
+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

JUN 29 1990
47-033

OWWO 6-6 Jarvisville (151)

7431

LATITUDE 39° 15' 00"
(15')



Minimum Error of Closure 1' in 200'
 Source of Elevation B.M. C.G.S.C. Well # 8137 EI-1105'
 "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 S17 E8

F. B. 1834 Pg. 20 & 22, 26-28

Company Consolidated Gas Supply Corporation
 Address Clarksburg, W. Va.
 Farm M.W. SMITH (J.D. Hurst - Surf.)
 Tract Acres 95 Lease No. 52912
 Well (Farm) No. 12280 Serial No. 12280
 Elevation (Spirit Level) 1057' NW
 Quadrangle West Milford, W. Va. 7 1/2 - 1961, WESTON 15'
 County Harrison District Union
 Engineer Michael S. Zeman
 Engineer's Registration No. 5525
 File No. _____ Drawing No. _____
 Date 4-6-77 Scale 1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. HAR-1137

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000, latitude and longitude lines being represented by border lines as shown.
 OCT 7 1977
 - Denotes one inch spaces on border line of original tracing. 47-033



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APR 27 1978

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MAY 25 1990
DEPT. OF ENERGY

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

RECEIVED
WELL RECORD
NOV 15 1990
DEPT. OF ENERGY

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

Quadrangle WEST 01

Permit No. HAZ-1137

Company <u>Consolidated Gas Supply Corporation</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Clarksburg, W. Va.</u>	Size			
Farm <u>N. W. 1/4</u> Acres <u>95</u>	Cond.			
Location (waters) <u>Buffalo Creek</u>	XXXX <u>11"</u>	<u>30'</u>	<u>30'</u>	To surface
Well No. <u>1228</u> Elev. <u>1057'</u>	<u>9 5/8</u>			
District <u>Union</u> County <u>Harrison</u>	<u>8 5/8</u>	<u>111 1/2'</u>	<u>111 1/2'</u>	To surface
The surface of tract is owned in fee by <u>J. P. Hurrell</u>	<u>7</u>			
Address <u>Good Hope, W. Va.</u>	<u>5 1/2</u>			
Mineral rights are owned by <u>Jesse D. Williams</u>	<u>4 1/2</u>	<u>11158'</u>	<u>11158'</u>	100 bags
Address <u>Riverside CA</u>	<u>3</u>			
Drilling Commenced <u>1-12-78</u>	<u>2</u>			
Drilling Completed <u>1-17-78</u>	Liners Used			
Initial open flow <u>198 M</u> cu. ft. _____ bbls.				
Final production <u>273 M</u> cu. ft. per day _____ bbls.				
Well open _____ hrs. before test _____ RP.				

Well treatment details:

Attach copy of cementing record.

Well fractured in Benson with 50,000# sand, 736 bbl water & 750 gal 15% acid
Perforations: 4348-4356' with 16 holes

Coal was encountered at 800 Feet 2 1/2" Inches
Fresh water 60' 1 1/2" stream Feet _____ Salt Water None Feet _____
Producing Sand Benson Depth 4348-4356'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Top Soil			0	3		
Sand & Shale			3	800	Water	60' Fresh
Coal			800	802		
Sand & Shale			802	1125		
Big Lime			1125	1180		
Big Injun			1180	1575		
Sand & Shale			1575	2007		
Gordon & Stray			2007	2133	Gas	2105' 158 M
4th Sand			2133	2242		
5th			2242	2315		
Warren			2681	2708		
Speechley			2898	3015		
<u>Balltown</u>			3120	3269		
Bradford			3671	3793		
Riley			4012	4250		
Benson			4345	4357	Gas	4348-4356'
Total Depth				4498'		

KBM 11' above G.L.

Consolidated Gas Supply Corporation
445 West Main Street
Clarksburg, W. Va.

(over)

* Indicates Electric Log tops in the remarks section.

NOV 16 1990

Well Operator's Report of Well Work

Farm name: HURST, J.D. Operator Well No.: SMITH #12280

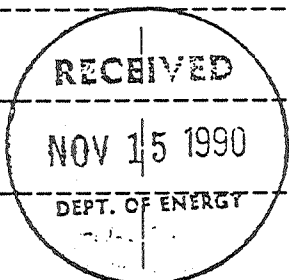
LOCATION: Elevation: 1057.00 Quadrangle: WEST MILFORD

District: UNION County: HARRISON
 Latitude: 13910 Feet South of 39 Deg. 15Min. 0 Sec.
 Longitude 1190 Feet West of 80 Deg. 27 Min. 30 Sec.

Company: ENSOURCE, INC.
 P. O. DRAWER 1738
 CLARKSBURG, WV 26301-0000

Agent: GREGORY A. SHOCKLEY

Inspector: STEVE CASEY
 Permit Issued: 06/25/90
 Well work Commenced: 10/23/90
 Well work Completed: 11/09/90
 Verbal Plugging
 Permission granted on: _____
 Rotary Cable Rig
 Total Depth (feet) _____
 Fresh water depths (ft) _____
 Salt water depths (ft) _____
 Is coal being mined in area (Y/N)? _____
 Coal Depths (ft): _____

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
NO CHANGE. SEE ORIGINAL REPORT.			
			

OPEN FLOW DATA

Producing formation Balltown Pay zone depth (ft) 3240'-3252
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow 368 MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure 720 psig (surface pressure) after 48 Hours

Second producing formation _____ Pay zone depth (ft) _____
 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

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.

For: ENSOURCE, INC.

By: M.A. Shockley District Manager
 Date: November 13, 1990

NOV 16 1990



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APR 28 1978

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle WINSTON
Permit No. HAR-1137

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

Company Consolidated Gas Supply Corporation
Address Clarksburg, W. Va.
Farm M. W. Smith Acres 95
Location (waters) Buffalo Creek
Well No. 12280 Elev. 1057'
District Union County Harrison
The surface of tract is owned in fee by _____
J. P. Hurst
Address Good Hope, W. Va.
Mineral rights are owned by Jesse D. Williams
Address Riverside CA
Drilling Commenced 1-12-78
Drilling Completed 1-17-78
Initial open flow 198 M cu. ft. _____ bbls.
Final production 273 M cu. ft. per day _____ bbls.
Well open 2 hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13 1/2 11"	30'	30'	To surface
9 5/8			
8 5/8	111 1/2'	111 1/2'	To surface
7			
5 1/2			
4 1/2	445 1/2'	445 1/2'	400 bags
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well fractured in Benson with 50,000# sand, 736 bbl water & 750 gal 15% acid
Perforations: 4348-4356' with 16 holes

Coal was encountered at 800 Feet 2 1/2" Inches
Fresh water 60' 1 1/2" stream Feet _____ Salt Water None Feet _____
Producing Sand Benson Depth 4348-56'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Top Soil			0	3		
Sand & Shale			3	800	Water	60' Fresh
Coal			800	802		
Sand & Shale			802	1125		
Big Lime			1125	1180		
Big Injun			1180	1575		
Sand & Shale			1575	2007		
Gordon & Stray			2007	2133	Gas	2105' 158 M
4th Sand			2133	2242		
5th			2242	2315		
Warren			2681	2708		
Speechley			2898	3015		
Balltown			3128	3269		
Bradford			3671	3793		
Riley			4012	4250		
Benson			4345	4357	Gas	4348-4356'
Total Depth				4498'		

KBM 11' above G.L.

Consolidated Gas Supply Corporation
445 West Main Street
Clarksburg, W. Va.

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
SEP 30 1977

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 September 28, 1977

Surface Owner J. P. Hurst

Company Consolidated Gas Supply Corporation

Address Good Hope, W. Va.

Address Clarksburg, W. Va.

Mineral Owner Jesse D. Williams, Jr., Agt.

Farm M. W. Smith Acres 95

Address 4000 Peice St., Riverside, CA

Location (waters) Buffalo Creek

Coal Owner No Coal

Well No. 12280 Elevation 1057'

Address _____

District Union County Harrison

Coal Operator Coal Stripped - Well on strip

Quadrangle WESTON

Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

provisions being in accordance with Chapter 22
of the W. Va. Code, the location is hereby approved
for drilling. This permit expires
on 1-30-78

INSPECTOR
TO BE NOTIFIED Paul Garrett
ADDRESS 621 Beech St., Clarksburg, W. Va.
PHONE 622-3871

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 2-13-09 19 by M. W. Smith made to Reserve Gas Co. and recorded on the 18th day of December 19 09 in Harrison County, Book 179 Page 472

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 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address
of
Well Operator

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

Consolidated Gas Supply Corporation
Street
445 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

HAR-1137 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12.b and will carry out the specified requirements."

47-033

Signed by [Signature]

[Handwritten signature]

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 Co. NAME R. E. Rayne
 ADDRESS Indiana, Pa. ADDRESS Bridgeport, W. Va.
 TELEPHONE --- TELEPHONE 623-3611
 ESTIMATED DEPTH OF COMPLETED WELL: 4475' ROTARY XXX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson
 TYPE OF WELL: OIL _____ GAS XXX 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			
13 - 10 11"	40'	40'	To Surface
9 - 5/8			
8 - 5/8	1000'	1000'	To Surface
7			
5 1/2			
4 1/2	4475'	4475'	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? Stripping Completed 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

RECEIVED
MAY 25 1990

033-1137-F
Issued 6/25/90
Page 3 of 8
Expires 6/25/92

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
WELL WORK PERMIT APPLICATION

- 1) Well Operator: ²⁵⁶ Ensource Inc. 16100 (0) 668
- 2) Operator's Well Number: 12280 3) Elevation: 1057'
- 4) Well type: (a) Oil / or Gas X /
(b) If Gas: Production / Underground Storage /
Deep / Shallow X /
- 5) Proposed Target Formation(s): Balltown 433
- 6) Proposed Total Depth: 4458 feet *From Well Record Balltown 3128' - 3269'*
- 7) Approximate fresh water strata depths: 60'
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: 800'
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
- 11) Proposed Well Work: Recomplete in Balltown formation.
- 12) *Real Existing Well.*

CASING AND TUBING PROGRAM

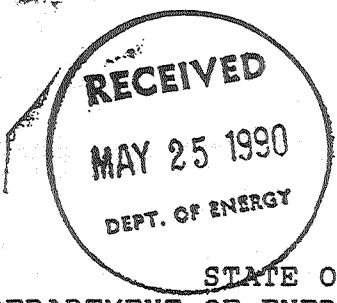
TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11"			30'	30'	Surface.
Fresh Water	8 5/8"	No changes	See original completion report.	1114'	1114'	Surface
Coal						
Intermediate						
Production	4 1/2"			4458'	4458'	400 Cocks
Tubing						
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

002241
13

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Blanket sure Agent
 (Type)



1) Date: May 15, 1990
2) Operator's well number
Smith #12280
3) API Well No: 47 - 033 - 1137-FRAC
State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name J. D. Hurst
Address Rt 1, Box 202
Lost Creek, WV 26385
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Stephen Casey
Address Rt. 2, Box 232-D
Jane Lew, WV 26378
Telephone (304)- _____

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:
_____ Personal Service (Affidavit attached)
X Certified Mail (Postmarked postal receipt attached)
_____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.
I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Ensource, Inc.
By: Gregory A. Shockley
Its: Designated Agent (District Manager)
Address P. O. Drawer 1738
Clarksburg, WV 26301
Telephone (304) 624-9653

Subscribed and sworn before me this 15th day of May, 1990

Dayzel L. Carder Notary Public
My commission expires March 23, 1993