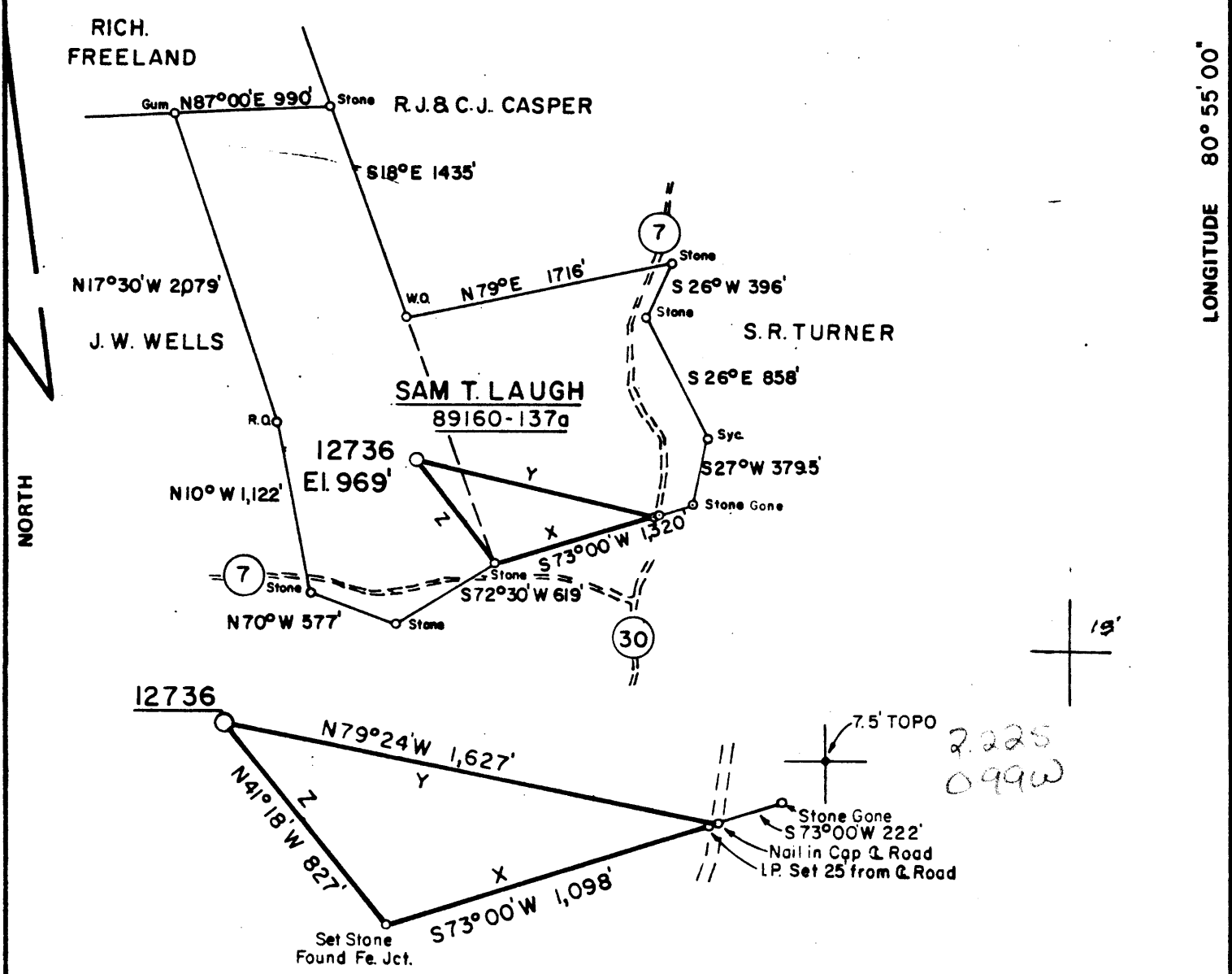


Cl 9/2

5,175'

LATITUDE 39° 27' 30"  
39° 30'

LONGITUDE 80° 55' 00"



MAP SHEET 61-S1 W17 F. B. 2043 PG. 32-35

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1,000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200'  
 PROVEN SOURCE OF ELEVATION U.S.G.S. BM-747' MIDDLEBOURNE 7.5 TOPO

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 MINES.  
 (SIGNED) Wanell M. Radcliffe  
 R.P.E. \_\_\_\_\_ L.L.S. 741

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)

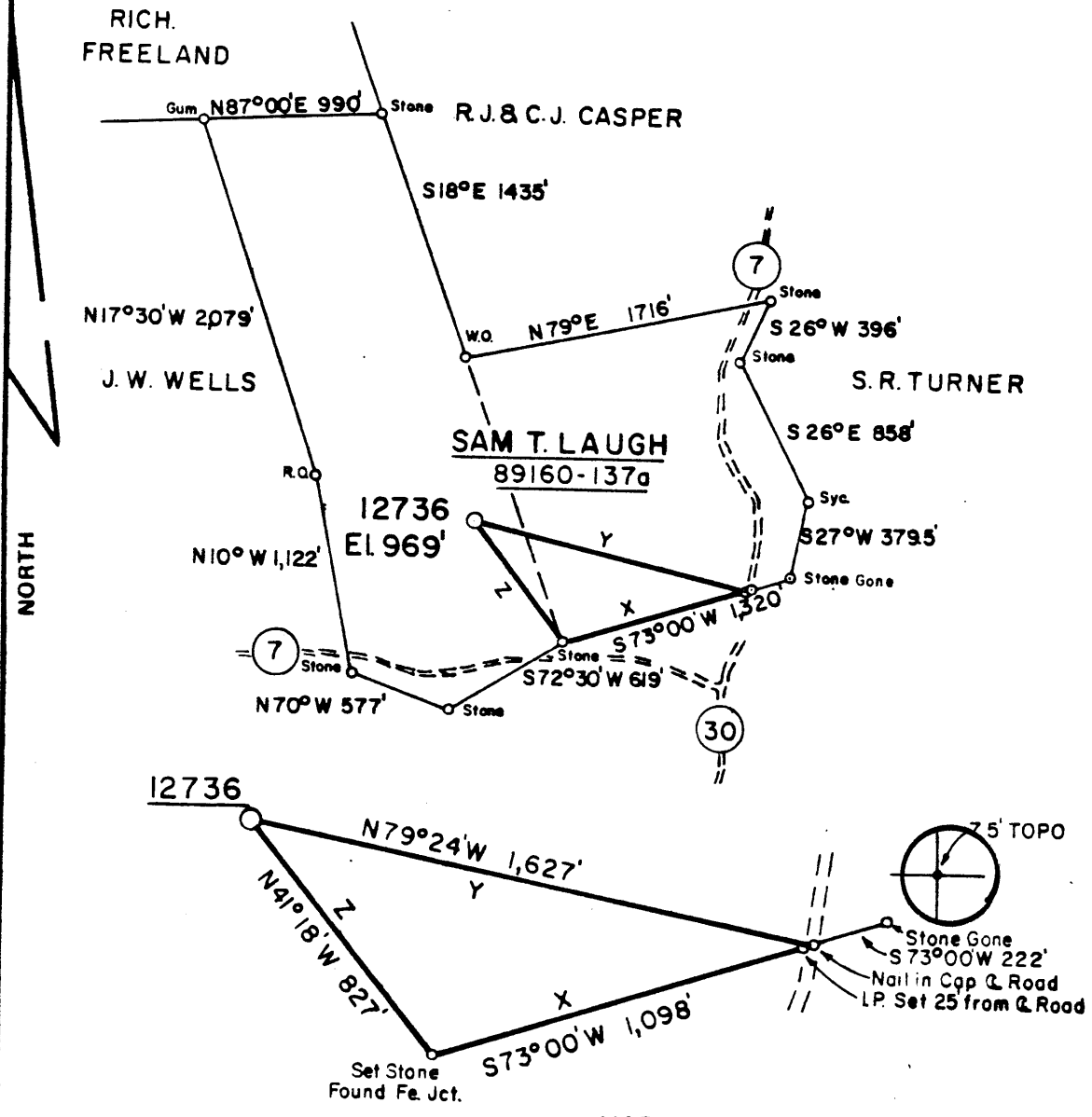


DATE AUGUST 27, 19 81  
 OPERATOR'S WELL NO. 12736  
 API WELL NO. \_\_\_\_\_  
47 - 095 - 0945-P  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL X GAS \_\_\_\_\_ LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 969 WATER SHED SANCHO CREEK of MIDDLE ISLAND CREEK  
 DISTRICT MEADE COUNTY TYLER  
 QUADRANGLE MIDDLEBOURNE 7.5 TOPO  
 SURFACE OWNER SAM T. LAUGH ACREAGE 137  
 OIL & GAS ROYALTY OWNER SAM T. LAUGH LEASE ACREAGE 137  
 LEASE NO. 89160  
 PROPOSED WORK: DRILL X CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION BEREA ESTIMATED DEPTH 2575'  
 WELL OPERATOR CON. GAS SUPPLY CORP. DESIGNATED AGENT THOMAS A. KUHN  
 ADDRESS 445 WEST MAIN STREET ADDRESS 445 WEST MAIN STREET  
CLARKSBURG WEST VIRGINIA CLARKSBURG WEST VIRGINIA



MAP SHEET 61-S1W17 F. B. 2043 PG. 32-35

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1,000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200'  
 PROVEN SOURCE OF ELEVATION U.S.G.S. 2M-747'  
 MIDDLEBOURNE 7.5 TOPO

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 MINES.  
 (SIGNED) Wanell M. Radcliffe  
 R.P.E. \_\_\_\_\_ L.L.S. 7411

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)



DATE AUGUST 27, 19 81  
 OPERATOR'S WELL NO. 12736  
 API WELL NO. \_\_\_\_\_  
47 - 095 - 0945  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL X GAS \_\_\_\_\_ LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_\_\_ STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 969 WATER SHED SANCHO CREEK of MIDDLE ISLAND CREEK  
 DISTRICT MEADE COUNTY TYLER  
 QUADRANGLE MIDDLEBOURNE 7.5 TOPO West Union 15 NW  
 SURFACE OWNER SAM T. LAUGH ACREAGE 137  
 OIL & GAS ROYALTY OWNER SAM T. LAUGH LEASE ACREAGE 137  
 LEASE NO. 89160  
 PROPOSED WORK: DRILL X CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

SEP 22 1981

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION BEREA ESTIMATED DEPTH 2575'  
 WELL OPERATOR CON GAS SUPPLY CORP. DESIGNATED AGENT THOMAS A. KUHN  
 ADDRESS 445 WEST MAIN STREET ADDRESS 445 WEST MAIN STREET  
CLARKSBURG WEST VIRGINIA CLARKSBURG WEST VIRGINIA



IV-35  
(Rev 8-81)

Date February 1, 1982  
Operator's  
Well No. 12736  
Farm Sam T. Laugh  
API No. 17 - 095 - 0915

**RECEIVED** State of West Virginia  
Department of Mines  
Oil and Gas Division  
FEB 2 - 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 069' Watershed Sancho Creek of Middle Island Creek  
District: Meade County Tyler Quadrangle Middlebourne

COMPANY Consolidated Gas Supply Corp.

ADDRESS 115 W. Main St., Clarksburg, WV

DESIGNATED AGENT Thomas A. Kuhn

ADDRESS 115 W. Main St., Clarksburg, WV

SURFACE OWNER Sam T. Laugh

ADDRESS RD 1, Middlebourne, WV 26119

MINERAL RIGHTS OWNER Sam T. Laugh

ADDRESS RD 1, Middlebourne, WV 26119

OIL AND GAS INSPECTOR FOR THIS WORK Phillip

Lee Tracy ADDRESS Rt. 23, Alma, WV 26320

PERMIT ISSUED September 3, 1981

DRILLING COMMENCED October 26, 1981

DRILLING COMPLETED October 30, 1981

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 Cond.			
11 <del>13-10"</del>	32	32	To surface
9 5/8			
8 5/8	1805	1805	To surface
7			
5 1/2			
4 1/2	2511	2511	270 Sk.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Berea Depth 2131-2136 feet

Depth of completed well 2558 feet Rotary X / Cable Tools   

Water strata depth: Fresh none feet; Salt    feet

Coal seam depths: 1350-1353 & 1405-1410 Is coal being mined in the area? X

OPEN FLOW DATA

Producing formation Weir Pay zone depth 2278-2288 feet

Gas: Initial open flow 0 Mcf/d Oil: Initial open flow None Bbl/d

Final open flow 8 Mcf/d Final open flow None Bbl/d

Time of open flow between initial and final tests n.a. hours

Static rock pressure 600 psig (surface measurement) after 14 <sup>days</sup> hours shut in

(If applicable due to multiple completion--)

Second producing formation Berea Pay zone depth 2132-2136 feet

Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 0 Bbl/d

Final open flow 0 Mcf/d Oil: Final open flow 0 Bbl/d

Time of open flow between initial and final tests N.A. hours

Static rock pressure N.A. psig (surface measurement) after N.A. hours shut in

FEB 22 1982

(Continue on reverse side)

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

November 2, 1981

Well perforated in Berea from 2432-2436' with 8 holes.

December 2, 1981

Well fractured in Weir with 90,000# sand, 700 bbls. 20# gel. & 500 gals. 15% Hcl.  
Perforations: 2278-2288' with 10 holes.

Well perforated in bottom Injun from 1954 to 1960 & 1942 - 1948' with 24 holes.

Well perforated in top Injun from 1922-1927, 1916-1920 & 1906-1910 with 26 holes

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Clay			0	10	
Shale & Red Rock			10	45	
Sand & Shale			45	100	
Shale & Red Rock			100	125	
Sand			125	165	
Shale & Red Rock			165	290	
Shale			290	320	
Red Rock & Shale			320	465	
Sandy Shale			465	530	
Shale & Red Rock			530	590	
Sand			590	680	
Shale & Red Rock			680	740	
Sand			740	805	
Red Rock			805	835	
Shale			835	1135	
White Sand			1135	1155	
Shale			1155	1350	
Coal			1350	1353	
Shale			1353	1405	
Coal			1405	1410	
Shale & Sand			1410	1820	
Lime & Shale			1820	1855	
Big Lime			1855	1900	
Injun			1900	2080	
Shale & Sand			2080	2160	
Shale & Silt Stone			2160	2280	
Sand & Silt			2280	2330	
Shale & Sand			2330	2568	
KBM 10' above <b>Berea</b> G. L.					
Gamma Ray Tops					
Big Lime			- -	1898	
Big Injun			1903	1968	
Pocono			1968	2086	
Weir			2272	2364	
Berea			2431	2436	
Total Depth				2558	

(Attach separate sheets as necessary)

Consolidated Gas Supply Corp.

Well Operator

By: J. E. Payne Manager of Production

Date: February 1, 1982

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."



Well No. 12736  
Farm Sam T. Laugh  
API # 47 - 095 - 0945  
Date September 2, 1981

STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil X / Gas \_\_\_ /  
(If "Gas", Production \_\_\_ / Underground storage \_\_\_ / Deep \_\_\_ / Shallow \_\_\_ /  
LOCATION: Elevation: 969' Watershed: Sancho Creek of Middle Island Creek  
District: Meade County: Tyler Quadrangle: Middlebourne

WELL OPERATOR Consolidated Gas Supply Corp.  
Address 445 West Main Street  
Clarksburg, WV 26301

DESIGNATED AGENT Thomas A. Kuhn  
Address 445 West Main Street  
Clarksburg, WV 26301

OIL AND GAS ROYALTY OWNER Sam T. Laugh  
Address RD 1  
Middlebourne, WV 26149  
Acreage 137

COAL OPERATOR None  
Address \_\_\_\_\_

SURFACE OWNER Sam T. Laugh  
Address RD 1  
Middlebourne, WV 26149  
Acreage 137

COAL OWNER(S) WITH DECLARATION ON RECORD:  
NAME \_\_\_\_\_  
Address \_\_\_\_\_  
NAME \_\_\_\_\_  
Address \_\_\_\_\_

FIELD SALE (IF MADE) TO:  
NAME \_\_\_\_\_  
Address \_\_\_\_\_

COAL LESSEE WITH DECLARATION ON RECORD:  
NAME None  
Address \_\_\_\_\_

OIL AND GAS INSPECTOR TO BE NOTIFIED:  
NAME Phillip Lee Tracy  
Address P. O. Box 173 - Dodd Street  
Middlebourne, WV 26149  
Telephone 758-4573

**RECEIVED**  
SEP 3 - 1981  
OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed \_\_\_ / lease X / other contract \_\_\_ / dated Mar 28, 1976, to the undersigned well operator from S. T. Laugh, et ux.

(If said deed, lease, or other contract has been recorded:)

Recorded on April 5, 1976, in the office of the Clerk of County Commission of Tyler County, West Virginia, in 208 Book at page 308. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill Deeper \_\_\_ / Redrill \_\_\_ / Fracture or stimulate \_\_\_ / Plug off old formation \_\_\_ / Perforate new formation \_\_\_ / Other physical change in well (specify) \_\_\_\_\_

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
1613 WASHINGTON ST., E.  
CHARLESTON, WV 25311  
Telephone - 304/348-3092

Consolidated Gas Supply Corporation  
Well Operator

By: J.E. Dague  
Manager of Production

**BLANKET BOND:**

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Pan Eastern Drilling Corporation

Address Route 2, Box 44AA

Lowell, Ohio 45744

GEOLOGICAL TARGET FORMATION Berea  
Estimated depth of completed well 2575' feet. Rotary X / Cable tools      /  
Approximate water strata depths: Fresh, Unknown feet; salt,      feet.  
Approximate coal seam depths: Unknown  
Is coal being mined in this area: Yes      / No X /

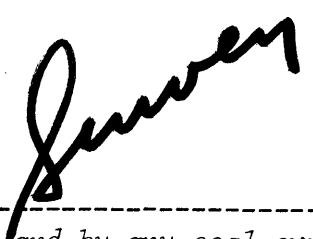
CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill-ling	Left in Well		
Conductor	16			X		30	30	To surface	Kinds
Fresh water	11 3/4	H-40	42	X		250	250	To surface	
Coal									Sizes
Intermed.	8 5/8	K-55	24	X		1800	1800	To surface	
Production	4 1/2	K-55	10.5	X		2575	2575	250 sks	Depths set
Tubing									
Liners									Perforations: Top Bottom Unknown at this time

*NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.  
A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.*

**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 5-10-82.



J. J. Auger  
Deputy Director, Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator      / owner      / lessee      / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regularions.

Date:     , 19     

By:     

Its:

RECEIVED

FORM OG-8

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

FEB 17 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE 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.

None  
COAL OPERATOR OR OWNER  
ADDRESS  
None  
COAL OPERATOR OR OWNER  
ADDRESS  
Sam T. Laugh  
LEASE OR PROPERTY OWNER  
RD 1, Middlebourne, WV 26149  
ADDRESS

Consolidated Gas Supply Corp.  
NAME OF WELL OPERATOR  
145 W. Main St., Clarksburg, WV  
COMPLETE ADDRESS  
February 9, 1982  
WELL AND LOCATION  
Meade District  
Tyler County  
Well No. 12736  
Sam T. Laugh Farm

STATE INSPECTOR SUPERVISING PLUGGING William Blosser, Rt. 1, Box 317, Fairmont, WV

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Harrison } ss:

D. Ross Morrison and Donald L. Boshell  
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 Consolidated Gas Supply Corp., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 13th day of January, 1982, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL	PLUGS USED SIZE & KIND	CASING	
			CSG PULLED	CSG LEFT IN
	Cement 2152 - 2100		11'	
	Gel 2100 - 2346		0	32
	Set solid bridge plug @ 2346'			
	Cement 2346 - 2050		8 5/8"	
	Gel 2050 - 2015		0	1805
	Set solid bridge plug @ 2015'			
	Gel 2015 - 1936		4 1/2"	
	Set solid bridge plug @ 1936'		1188	1353
	Cement 1936 - 1850			
	Gel 1850 - 1450			
	Cement 1450 - 1350			
	Remove 1188' of 4 1/2" casing	Went installed		
	Gel 1350 - 1188	on top of 8 5/8"		
	Cement 1188 - 1138	casing.		
	Gel 1138 - surface			
COAL SEAMS		DESCRIPTION OF MONUMENT		
(NAME)		Erected regular well marker		
(NAME)		properly installed & inscribed.		
(NAME)				
(NAME)				

and that the work of plugging and filling said well was completed on the 13th day of January, 1982.

And further deponents saith not.

Sworn to and subscribed before me this 16th day of February, 1982.

My commission expires:  
September 13, 1986

D. Ross Morrison  
Donald L. Boshell  
Joseph D. [Signature]  
Notary Public  
Permit No. 117-095-0945-P