

MAP SHEET 58- S16 E 2 FB.2092 PG 24-26

FILE NO \_\_\_\_\_  
 DRAWING NO \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION Rd. Fk. Elev. 1051'  
 BIG ISAAC 75' 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: *Daniel M. Radcliffe*  
 RPE \_\_\_\_\_ LLS 74

PLACE SEAL HERE

--- DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV B (8-78)

WELL TYPE OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW


LOCATION ELEVATION 1201' WATERSHED BIG ISAAC CREEK  
 DISTRICT GREENBRIER COUNTY DODDRIDGE  
 QUADRANGLE BIG ISAAC 75 TOPO *Uadis 15' NE*

SURFACE OWNER JAMES ROSS ACREAGE 24 Ac  
 OIL & GAS ROYALTY OWNER A. U. CAYNOR LEASE ACREAGE 30 Ac  
 LEASE NO 85650

PROPOSED WORK DRILL  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 ALEXANDER ESTIMATED DEPTH 5650'

WELL OPERATOR CON. GAS SUPPLY CORP. DESIGNATED AGENT THOMAS A. KUHN APR 6 1982  
 ADDRESS 445 WEST MAIN STREET ADDRESS 445 WEST MAIN STREET  
 CLARKSBURG, WEST VIRGINIA CLARKSBURG, WEST VIRGINIA



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

DATE MARCH 19 82  
 OPERATOR'S WELL NO 12761  
 API WELL NO \_\_\_\_\_  
 STATE 47 COUNTY 017 PERMIT 3085



RECEIVED

IV-35 (Rev 8-81)

AUG 11 1982

State of West Virginia

OIL AND GAS DIVISION WV DEPARTMENT OF MINES

Department of Mines Oil and Gas Division

Date August 9, 1982 Operator's Well No. 12761 Farm A. U. Gaynor API No. 47 - 017 - 3085

WELL OPERATOR'S REPORT OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1201' Watershed Big Isaac Creek District: Greenbrier County Doddridge Quadrangle Big Isaac

COMPANY Consolidated Gas Supply Corp.

ADDRESS 445 W. Main St., Clarksburg, WV

DESIGNATED AGENT Thomas A. Kuhn

ADDRESS 445 W. Main St., Clarksburg, WV

SURFACE OWNER James Ross

ADDRESS Rt. 3, Salem, WV

MINERAL RIGHTS OWNER Glenna Caynor

ADDRESS P. O. Box 23, Lost Creek, WV 26385

OIL AND GAS INSPECTOR FOR THIS WORK Stephen Casey

ADDRESS Rt. 2, Box 232-D Jane Lew, WV 26378

PERMIT ISSUED March 24, 1982

DRILLING COMMENCED June 18, 1982

DRILLING COMPLETED June 25, 1982

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Table with 4 columns: Casing Tubing Size, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16 Cond., 11 3/4, 13-10, 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Alexander Depth 5390-5490 feet

Depth of completed well 5195 feet Rotary x / Cable Tools

Water strata depth: Fresh 215-755 feet; Salt feet

Coal seam depths: 180-182 & 758-760 Is coal being mined in the area? x

OPEN FLOW DATA

Producing formation Benson Pay zone depth 5051-5063 5050-5076 feet

Gas: Initial open flow 58 Mcf/d Oil: Initial open flow Bbl/d Final open flow 218.6 Mcf/d Oil: Final open flow Bbl/d

Time of open flow between initial and final tests 2 hours

Static rock pressure 1760 psig (surface measurement) after 11 days 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

AUG 23 1982 (Continue on reverse side)

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

Well fractured in Benson with 50,000# sand, 800 bbls. of water & 500 gals. 15% HCL Perforations: 5051 - 5063' with 14 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
Shale			0	35	
Shale & Sand			35	95	
Red Rock			95	100	
Sand			100	180	
Coal			180	182	
Shale			182	220	Water 1/2" stream @ 215'
Red Rock & Shale			220	250	
Sand & Shale			250	270	
Red Rock & Shale			270	375	
Sand & Shale			375	505	
Red Rock			505	545	
Sand & Shale			545	650	
Red Rock & Shale			650	670	
Sand & Shale			670	758	Water 1/2" stream @ 755'
Coal			758	760	
Sand			760	830	
Red Rock & Shale			830	870	
Sand			870	890	
Red Rock & Shale			890	1105	
Sand & Shale			1105	2145	
Little Lime			2145	2155	
Blue Monday			2155	2175	
Big Lime			2175	2275	
Sand & Shale			2275	3080	
Shale			3080	3270	
Shale & Sand			3270	3760	
Sand			3760	4010	
Sand & Shale			4010	5020	
Brown Sand			5020	5030	
Shale			5030	5230	
Light Brown Sand			5230	5250	
Shale			5250	5290	
Dark Shale			5290	5380	
Brown Sand <i>ell</i>			5380	5664	T.D.
KBM 10' above G. L. Bottom hole plugged-off by float shoe set at				5195	

(Attach separate sheets as necessary)

Consolidated Gas Supply Corp.

Well Operator

By: *J.E. Dwyer* Manager of Production

Date: August 9, 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."

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

WELL LOG Well No. 12761

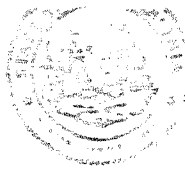
FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Gamma Ray Tops					
Big Lime			2124	2187	
Big Injun			2190	2282	
Gantz			2535	2570	
Fifty Foot			2636	2680	
Gordon Stray			2728	- -	
Gordon			- -	2847	
Fourth			2867	2890	
Warren			3407	3446	
Upper Speechley			3603	3657	
Speechley			3739	3757	
Balltown			3984	4078	
Bradford			4322	4515	
Riley			4810	5003	
Benson			5050	5076	
Total Depth				5195	

(Attach separate sheets as necessary)

Consolidated Gas Supply Corp.  
Well Operator  
By: J. E. Payne Manager of Production  
Date: August 9, 1982 by RDB

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."

AUG 23 1982



Form No. 20742  
 Form E. D. Gaynor  
 API # 97 - 017 - 3085  
 Date March 23 1982

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

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil  / Gas  /  
 (If "Gas", Production  / Underground storage  / Deep  / Shallow  /

LOCATION: Elevation: 1201' Watershed: Big Isaac Creek  
 District: Greenbrier County: Doddridge Quadrangle: Big Isaac

WELL OPERATOR Consolidated Gas Supply Corp.  
 Address 115 West Main Street  
Clarksburg, West Virginia

DESIGNATED AGENT Thomas A. Kuhn  
 Address 115 W. Main St.  
Clarksburg, WV 26301

OIL AND GAS ROYALTY OWNER Glenna Gaynor  
 Address P. O. Box 23  
Lost Creek, WV 26385  
 Acreage 30

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

SURFACE OWNER James Ross  
 Address Rt. 3  
Salem, WV  
 Acreage 2 1/2

COAL OWNER(S) WITH DECLARATION ON RECORD:  
 NAME None  
 Address \_\_\_\_\_

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

NAME \_\_\_\_\_  
 Address \_\_\_\_\_

OIL AND GAS INSPECTOR TO BE NOTIFIED:  
 NAME Stephen Casey  
 Address Rt. 2, Box 232-D  
Jane Lew, WV 26378  
 Telephone 881-7170

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

**RECEIVED**

MAR 24 1982

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  / other contract  / dated Jan. 11, 1973, to the undersigned well operator from Artie U. Gaynor et al.

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

Recorded on April 12, 1974, in the office of the Clerk of County Commission of

Doddridge County, West Virginia, in 98 Book at page 472. A permit is requested as follows:

PROPOSED WORK: Drill  / 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

BLANKET BOND

Consolidated Gas Supply Corp.  
 Well Operator  
 By: [Signature]  
 Its: Manager of Production

(Reverse)

(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) Little Swiss Drilling Co.

Address P. O. Box P

Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION Alexander

Estimated depth of completed well 5650 feet. Rotary x / Cable tools /

Approximate water strata depths: Fresh, 120 feet; salt, feet.

Approximate coal seam depths: Unknown

Is coal being mined in this area: Yes / No x /

CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight, New, Used), FOOTAGE INTERVALS (For Drill-ling, Left in Well), CEMENT FILL (UP OR SACKS, Cubic ft.), PACKERS (Kinds, Sizes, Depths set, 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, ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR drilling THIS PERMIT SHALL EXPIRE IF OPERATIONS HAVE NOT COMMENCED BY 11-24-82

BY [Signature]

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: \_\_\_\_\_