

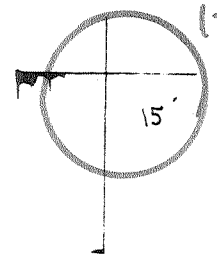
Plot 4/31/82 Card CSD

5,725'

LATITUDE 38° 55'

38 54 20
90 31 10

0-80 S
1-10 W



LONGITUDE 80° 30'

NORTH

PHILLIP J. CATHER
201a

DANA BLAKE
82900-1/2 of 28.50a
C. H. WHITE
72381-1/2 of 28.50a

ELEANOR
LINGER
90a

Sto. & Ptrs.

RUSSELL R. POSEY
290a
N 35° W - 1254'

DANA S. BLAKE 64708

12764
El. 1202'

91.50a.

ALLMAN
BRINKLEY
110a

OTIS L. SCOTT
103a

C. H. WHITE
&
A. R. JENKINS
100a

NORA A.
DUVALL
75a

MP. SHT. 71. S 38 E4 - FB. 2123 PG - 19-21

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 1000'
MINIMUM DEGREE OF
ACCURACY 1 IN 200
PROVEN SOURCE OF
ELEVATION CON. GAS SUP. CORP.
WELL 11842 ELV. 1202'

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 REGU-
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
MENT OF MINES.
(SIGNED) Daniel M Radcliffe
R.P.E. _____ L.L.S. 74

PLACE SEAL HERE

(+) DENOTES LOCATION OF
WELL ON UNITED STATES
TOPOGRAPHIC MAPS 7.5
FORM IV-6
(8-78)



DATE 04 - 06 1982
OPERATOR'S WELL NO. 12764
API WELL NO. _____
47 - 041 - 3184
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
LOCATION: ELEVATION 1202' WATERSHED OIL CREEK
DISTRICT COLLINS SETTLEMENT COUNTY LEWIS
QUADRANGLE PETERSON, W.V. Bushville 15' EC
SURFACE OWNER DANA S. BLAKE ACREAGE 91.5
OIL & GAS ROYALTY OWNER DANA S. BLAKE LEASE ACREAGE 91.5
LEASE NO. 64708
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 ___ 656 ASPINALL-FINSTER APR 26 1982
TARGET FORMATION _____ ESTIMATED DEPTH _____
WELL OPERATOR CON. GAS SUP. CORP. DESIGNATED AGENT THOMAS A. KUHN 186
ADDRESS 445 W. MAIN ADDRESS 445 W. MAIN
CLARKSBURG, W.V. 26301 CLARKSBURG, W.V. 26301

RECEIVED

JUL 6 - 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES



IV-35
(Rev 8-81)

State of West Virginia
Department of Mines
Oil and Gas Division

Date July 2, 1982
Operator's
Well No. 12761
Farm Dana S. Blake
API No. 17 - 041 - 3184

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: 1202' Watershed Oil Creek
District: Collins Settle County Lewis ment Quadrangle Peterson

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 Dana S. Blake

ADDRESS Rt. 2, Box 102, Roanoke, Va. 26123

MINERAL RIGHTS OWNER Dana S. Blake

ADDRESS Rt. 2, Box 102, Roanoke, Va. 26123

OIL AND GAS INSPECTOR FOR THIS WORK Robert

Bates ADDRESS 109 Minnich St. Weston, WV 26152

PERMIT ISSUED April 19, 1982

DRILLING COMMENCED May 18, 1982

DRILLING COMPLETED May 24, 1982

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 3/4 13-11 1/2	30	30	
9 5/8			
8 5/8	1823	1823	To surface
7			
5 1/2			
4 1/2	3792	3792	150-Sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Balltown Depth 3500 - 3672 feet

Depth of completed well 4920 feet Rotary X / Cable Tools

Water strata depth: Fresh 17 feet; Salt

Coal seam depths: None Is coal being mined in the area? X

OPEN FLOW DATA

Producing formation Balltown Pay zone depth See perforat feet

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

Final open flow 1858 Mcf/d Final open flow

Time of open flow between initial and final tests 4 hours

Static rock pressure 1085 psig (surface measurement) after 14 days hours shut in

(If applicable due to multiple completion--)

Second producing formation Pay zone depth

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

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

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

Perforations: 3625-3629' with 4 holes & 3518-3524' with 6 holes.
Fractured with 50,000# sand, 600 bbls. 15# gel water & 500 gals. 15% Hcl.

Perforations: 3068-3074' with 6 holes & 2881-2885' with 4 holes.
Fractured with 50,000# sand, 600 bbls. 15# gel water & 500 gals. 15% Hcl.

Perforations: 2482-2486' with 4 holes & 2430-2436' with 6 holes.
Fractured with 50,000# sand, 600 bbls. 15# gel water & 500 gals. 15% Hcl.

Perforations: 2312-2318 with 12 holes.
Fractured with 50,000# sand, 600 bbls. 15# gel water & 500 gals. 15% Hcl.

P. J. Card puffs @ (2324-30, 2438-44, 2490-94, 2894-98, 3058-93, 3534-40, 3640-44)
Gordon WELL LOG Ely Warren Balltown

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Top Soil			0	5	
Sand & Shale	Gray		5	68	
Sand	White		68	95	
Sand & Shale	Gray		95	145	
Sand	White		145	158	
Red Rock	Red		158	165	
Red Rock & Shale	Red		165	310	
Red Rock	Red		310	405	
Shale	Gray		405	620	
Red Rock	Red		620	640	
Shale & Sand	Gray		640	1011	
Red Rock	Red		1011	1060	
Sand	White		1060	1105	
Sand & Shale	Gray		1105	1120	
Sand	Light Gray		1120	1270	
Shale	Dark Gray		1270	1300	
Sand	Gray		1300	1420	
Shale & Sand	Gray		1420	1985	
Little Lime	White		1985	2005	
Sandy Shale	Gray		2005	2045	
Big Lime	White		2045	2156	
Big Injun	Dark Gray		2156	2210	
Pocono	Gray		2210	2250	
Sand & Shale	Gray		2250	2490	
Gordon Stray & Gordon			2490	2605	
Shale	Gray		2605	2710	
Red Rock	Red		2710	2743	
Red Rock & Shale	Red & Gray		2743	2850	
Sandy Shale	Gray		2850	2940	
Shale	Gray		2940	3150	
Sandy Shale	Light Gray		3150	3500	
Shale & Sand	Gray		3500	4100	
Sand	White		4100	4230	
Shale	Gray		4230	4590	
Sand <i>BEASONS</i>	Light Gray		4590	4720	
Shale	White		4720	4885	T.D.
KBM 10' above G. L.					

(Attach separate sheets as necessary)

Consolidated Gas Supply Corp.
Well Operator
By: *J. E. Payne* *by R. B. S.* Manager of Production
Date: July 2, 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. 12764

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					
Fifty Foot			2305	2346	
Thirty Foot			2367	2395	
Gordon Stray			2403	- -	
Gordon			- -	2572	
Fourth			2607	2636	
Fifth			2701	2715	
Bayard			2734	2762	
Elizabeth			2887	2900	
Warren			3058	3093	
Upper Speechley			3260	3297	
Speechley			3365	3404	
Balltown			3500	3672	
Bradford			4061	4158	
Riley			4355	4544	
Benson			4623	2651	
Total Depth				4920	

(Attach separate sheets as necessary)

Consolidated Gas Supply Corp.

Well Operator

By: J. E. Dwayne Manager of Production

Date: July 2, 1982

by RSD

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."

JUL 19 1982

(Obverse)

(Revised 3-81)



WELL NO. 12751
Farm Dana S. Blake
API #47 -041 -3184
Date

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

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil ___ / Gas X /

(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow ___ /

LOCATION: Elevation: 1202' Watershed: Oil Creek
District: Collins Settle - County: Lewis - Quadrangle: Peterson
ment

WELL OPERATOR Consolidated Gas Supply Corp.
Address 1115 West Main Street
Clarksburg, West Virginia

DESIGNATED AGENT Thomas A. Kuhn
Address 1115 W. Main St.
Clarksburg, WV 26301

OIL AND GAS
ROYALTY OWNER Dana S. Blake
Address Pt. 2, Box 102
Roanoke, Va. 26423
Acreage 91.5

COAL OPERATOR None
Address

SURFACE OWNER Dana S. Blake
Address Pt. 2, Box 102
Roanoke, Va. 26423
Acreage 91.5

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

FIELD SALE (IF MADE) TO:
NAME
Address

NAME
Address

COAL LESSEE WITH DECLARATION ON RECORD:
NAME None
Address

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME Robert Bates
Address 109 Minnich St.
Weston, WV 26452
Telephone 269-3820

RECEIVED

APR 19 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 X / other contract ___ / dated Sept. 17, 1952, to the undersigned well operator from Dana S. Blake et al.

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

Recorded on December 19, 1952, in the office of the Clerk of County Commission of Lewis County, West Virginia, in 222 Book at page 311. 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

BLANKET BOND

Consolidated Gas Supply Corp.
Well Operator
By: J. E. Payne
Its: Manager of Production

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN)

Address

GEOLOGICAL TARGET FORMATION

Benson

Estimated depth of completed well 1875 feet. Rotary X / Cable tools / feet. Approximate water strata depths: Fresh, 95 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	Weight	Size	Grade	per ft	Used	FOOTAGE INTERVALS	CEMENT FILL	PACKERS
Conductor	11 3/4"	1 1/2"	X	30	To surface	30		
Fresh water								
Coal	8 5/8"	2 1/4"	X	1800	To surface	1800		
Intermed.								
Production	4 1/2"	1 1/2"	X	1875	250' ave.	1875		
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, ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR drilling

IF OPERATIONS HAVE NOT COMMENCED BY 12-22-82 THIS PERMIT SHALL EXPIRE

BY  12-22-82

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:

WAIVER

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 regulations.

Date: _____, 19____.

By: _____

Its: _____