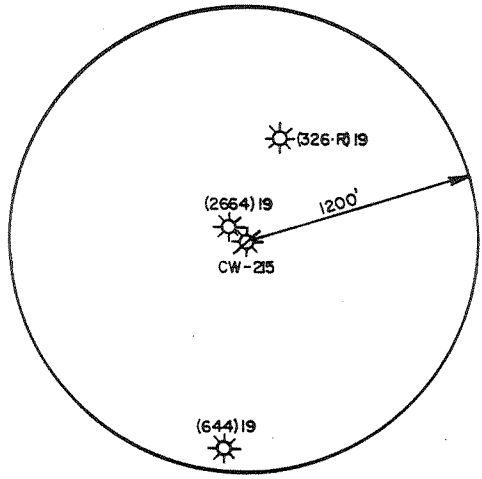


MA 7/1/82

2,750'

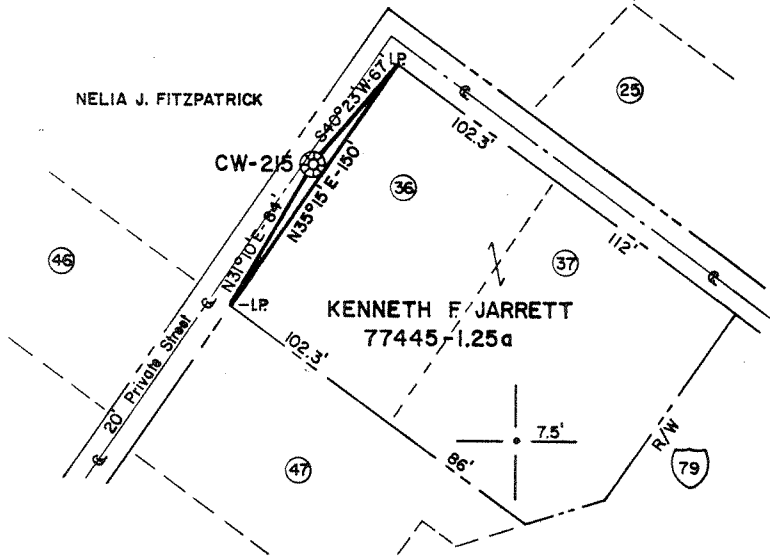
LATITUDE 39° 10' 00"

LONGITUDE 80° 22' 30"



VICINITY MAP SHOWING WELLS WITHIN 1200' SCALE: 1" = 1000'

NORTH



MAP SHT. Q118132 FF 4250193

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 100'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION U.S.G.S. B.M. N-9 NORTH OF McWHORTER - 1111'

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) Warrell 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)

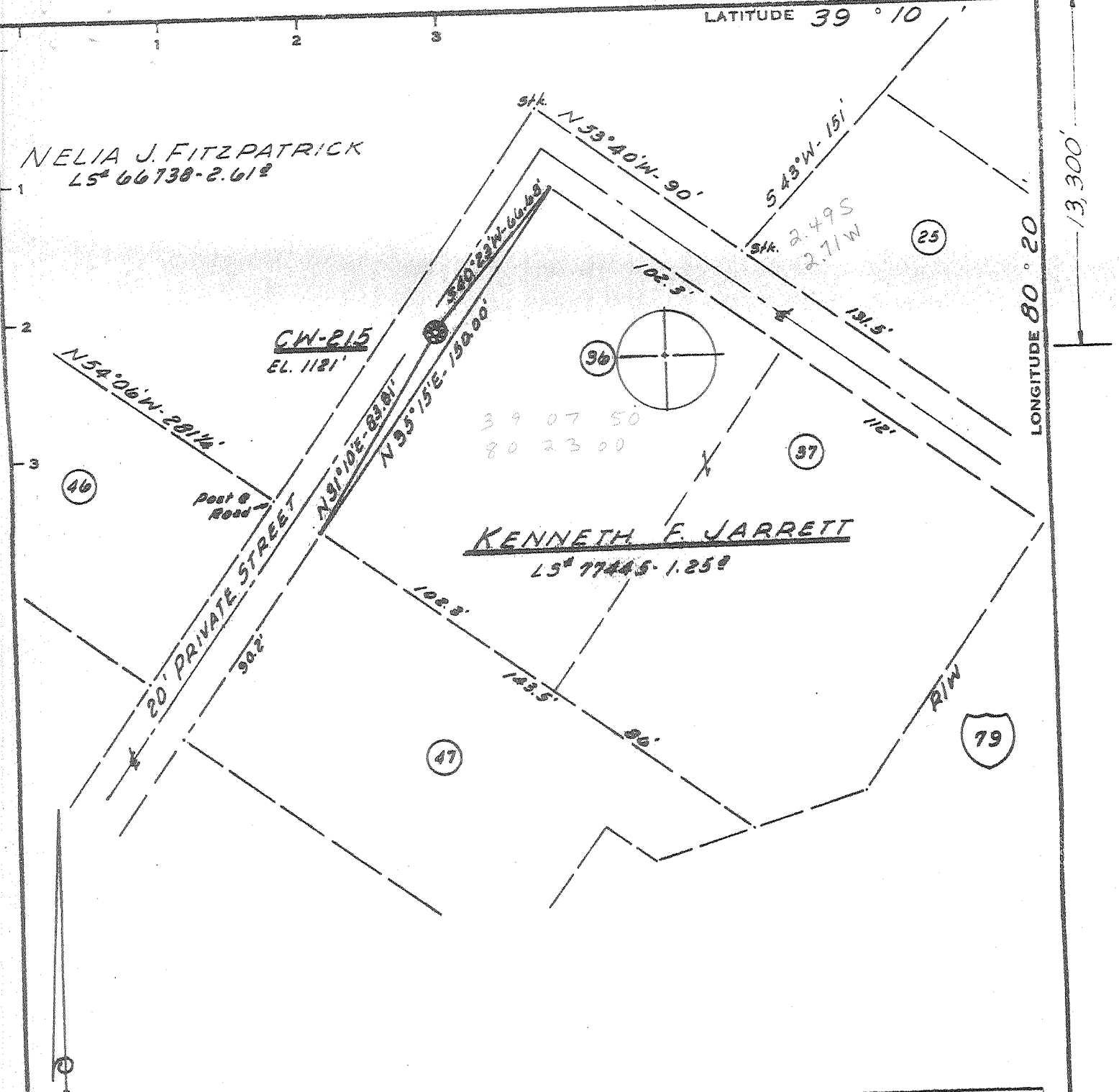


DATE 6-21, 19 82
 OPERATOR'S WELL NO. CW-215
 API WELL NO. 47-033-0699-R-P
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE X DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1121' WATER SHED McKINNEY RUN
 DISTRICT GRANT COUNTY HARRISON
 QUADRANGLE WEST MILFORD 7.5'
 SURFACE OWNER KENNETH F. JARRETT ACREAGE 1.25a
 OIL & GAS ROYALTY OWNER KENNETH F. JARRETT LEASE ACREAGE 1.25a
 LEASE NO. 77445
 PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL X FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON X CLEAN OUT AND REPLUG ___
 TARGET FORMATION GANTZ ESTIMATED DEPTH 1850'
 WELL OPERATOR CON. GAS SUP. CORP DESIGNATED AGENT THOMAS A. KUHN
 ADDRESS 445 W. MAIN ADDRESS 445 W. MAIN
CLARKSBURG, W.V. 26301 CLARKSBURG, W.V. 26301

(153)



Minimum Error of Closure 1' IN 200'
 Source of Elevation B.M. = U.S.G.S. - N.9 NORTH OF McWHORTER
ELEVATION - 1111.0'
 "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

65-73
 MAP SHT. 57, 59, 523-E12, F.B. 1644 PG. 35-36

Company CONSOLIDATED GAS SUPPLY CORP.
 Address CLARKSBURG, WEST VA
 Farm KENNETH F. JARRETT
 Tract Acres 1.25 Lease No. 77445
 Well (Farm) No. 10578 Serial No. CW-215
 Elevation (Spirit Level) 1121'
 Quadrangle WESTON C
 County HARRISON District GRANT
 Engineer Jackson M. Jarvis
 Engineer's Registration No. 2397
 File No. _____ Drawing No. _____
 Date FEB. 22, 1973 Scale 1" = 50'

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

WELL LOCATION MAP
 FILE NO. HAR-699-RED-P

+ 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

IV-35
(Rev 8-81)

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State of West Virginia

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Department of Mines
Oil and Gas Division

Date January 11, 1983

Operator's

Well No. CW-215

Farm Kenneth F. Jarrett

API No. 47 - 033 - 0699-RED

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 / Underground Storage X / Deep / Shallow /)

LOCATION: Elevation: 1121' Watershed McKinney Run

District: Grant County Harrison Quadrangle West Milford

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 Kenneth F. Jarrett, Agent

ADDRESS Box 200, McWhorter, WV 26101

MINERAL RIGHTS OWNER Kenneth F. Jarrett, Agent

ADDRESS Box 200, McWhorter, WV 26101

OIL AND GAS INSPECTOR FOR THIS WORK Stephen

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

PERMIT ISSUED June 28, 1982

DRILLING COMMENCED July 12, 1982

DRILLING COMPLETED October 25, 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.			
10 3/4 13-1/4	310	310	To surface
9 5/8			
8 5/8			
7	999	999	To surface
5 1/2			
4 1/2			
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gantz Depth 1850 feet

Depth of completed well 1158 feet Rotary X / Cable Tools

Water strata depth: Fresh N/A feet; Salt feet

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

OPEN FLOW DATA

Producing formation None - Lost Creek Storage Observation Pay zone depth feet

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 measurement) after 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

JAN 24 1983

(Continue on reverse side)

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

None - Lost Creek Storage Observation Well

WELL LOG

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					
Lower Dunkard			445	506	
Gas Sand			556	585	
Little Lime			1269	1289	
Big Lime			1309	1375	
Big Injun			1375		
Total Depth				1458	

(Attach separate sheets as necessary)

Consolidated Gas Supply Corp.

Well Operator

By: J. E. Devinn Manager of Production

Date: January 11, 1983

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."



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Weston
Permit No. HAR-699-Red-P

Company Consolidated Gas Supply Corp.
Address Clarksburg, WV
Farm Kenneth F. Jarrett Acres 1.25
Location (waters) McKinney Run
Well No. CW-215 (10578) Elev. 1121
District Grant County Harrison
The surface of tract is owned in fee by _____
K. F. Jarrett
Address McWhorter, WV
Mineral rights are owned by Same
Address _____
Drilling Commenced 7-1-73
Drilling Completed 8-1-73
Initial open flow _____ cu. ft. _____ bbls.
Final production 0 cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.			
XX -10"	295	295	160 SKS
9 5/8			
8 5/8			
7			
5 1/2			
4 1/2			
3			
2			
Liners Used			

Attach copy of cementing record.

*Redrilled and reabandoned a/c Lost Creek Storage

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Big Lime			1307	1378		
Big Injun			1378	1467		
<u>Gantz</u>			1685	1712		<u>Gas</u> 1692-1709
<u>Gantz "A"</u>			1713	1736		
Total Depth				1850 K. B.		

(over)

* Indicates Electric Log tops in the remarks section.



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: 1121' Watershed: McKinney Run
District: Grant County: Harrison Quadrangle: West Milford

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: Kenneth F. Jarrett, Agent
Address: Box 200
McWhorter, WV 26101
Acreage: 1.25

COAL OPERATOR: None
Address: _____

SURFACE OWNER: Kenneth F. Jarrett, Agent
Address: Box 200
McWhorter, WV 26101
Acreage: 1.25

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME: None
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: Stephen Casey
Address: Rt. 2, Box 232-D
Jane Lew, WV 26378
Telephone: 831-7170

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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 Feb. 10, 1948, to the undersigned well operator from Kenneth F. Jarrett et ux.

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

Recorded on September 5, 1968, in the office of the Clerk of County Commission of Harrison County, West Virginia, in 212 Book at page 381. 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 By: Consolidated Gas Supply Corp.
Well Operator
J. E. Payne by R. D.
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) S. W. Jack Drilling Co.
Address Indiana, Pa.

GEOLOGICAL TARGET FORMATION Gantz
Estimated depth of completed well 1250 feet. Rotary x / Cable tools /
Approximate water strata depths: Fresh, None feet; salt, feet.
Approximate coal seam depths: None
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									Kinds
Fresh water									
Coal									Sizes
Intermed.									
Production Tubing									Depths set
Liners									Perforations: Top Bottom

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.

The 225' of 10 3/4" casing that is in the well will remain and no new casing will be used.
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 redrilling. THIS PERMIT SHALL EXPIRE IF OPERATIONS HAVE NOT COMMENCED BY 8-9-83

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:



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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JUN 5 1973

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 June 4, 1973

Surface Owner Kenneth F. Jarrett, Agt.

Company Consolidated Gas Supply Corporation

Address Box 200, McWhorter, W. Va.

Address Clarksburg, W. Va.

Mineral Owner Same

Farm Kenneth F. Jarrett Acres 1 1/2

Address _____

Location (waters) McKinney Run

Coal Owner None

Well No. CW-215 Elevation 1121'

Address _____

District Grant County Harrison

Coal Operator None

Quadrangle WESTON

Address _____

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 redrilling. This permit shall expire if operations have not commenced by 10-6-73.

Robert L. Forder
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED U.M.W. Blosser
Colfax, W. Va. PH: 363-9105

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 2-19-68 19 by Kenneth F. Jarrett, Agt. made to Consolidated Gas Supply and recorded on the 5th day of September 1968, in Harrison County, Book 949 Page 384

 NEW WELL DRILL DEEPER XXX REDRILL FRACTURE OR STIMULATE
 XXX 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.

Very truly yours,
(Sign Name) Robert L. Forder Manager of Prod.
Well Operator

Address of 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

241-699-Red. PERMIT NUMBER

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

PROPOSED WORK ORDER TO Re-DRILL DEEPEN FRACTURE-STIMULATE
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME S. W. Jack NAME R. E. Bayne
 ADDRESS Indiana, Pa. ADDRESS Bridgeport, W. Va.
 TELEPHONE - - TELEPHONE 623-3611
 ESTIMATED DEPTH OF COMPLETED WELL: 200' below Gantz ROTARY xxx CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Gantz
 TYPE OF WELL: OIL _____ GAS _____ COMB. _____ STORAGE xxx 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			
9 - 5/8			
8 - 5/8	This well will be redrilled to 200' below Gantz sand		
7	and abandoned solid with cement to surface.		
5 1/2			
4 1/2	This well never was owned by G.G.S.C. and no records of Gantz		
3	are available. Logging will determine		Perf. Top
2	depth to be redrilled.		Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS N. R. FEET SALT WATER N.R. 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