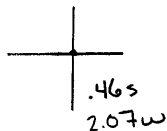


Latitude



Longitude

Topo Location

7.5' Loc. _____ 15' Loc. _____
 _____ (calc.) _____

Company _____

Farm _____

15' Quad _____
(sec.)

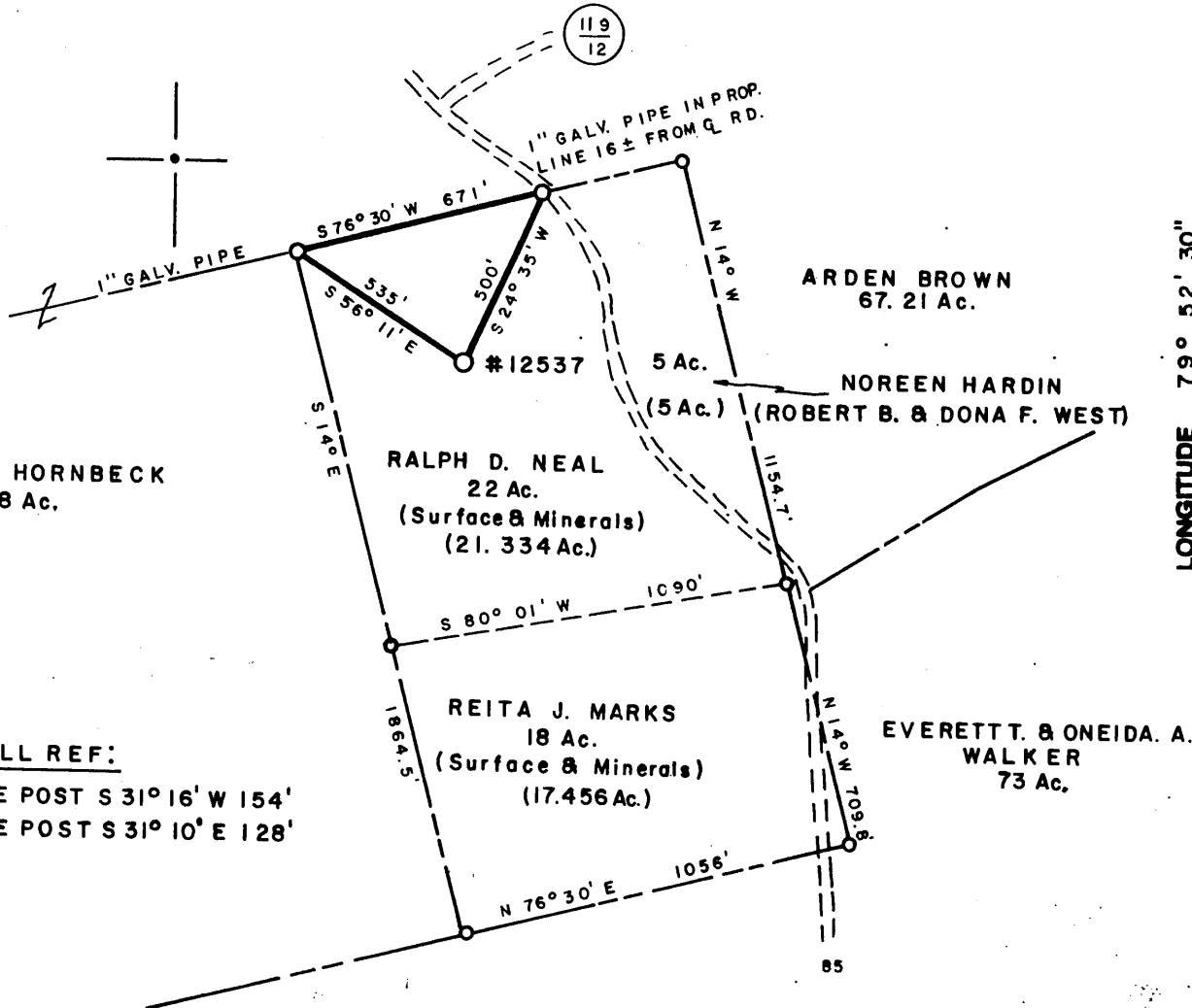
7.5' Quad Gladesville

District Clinton

WELL LOCATION PLAT

County 061 Permit 440

Jamie
9/4/91



WELL REF:
 LOC. TO FENCE POST S 31° 16' W 154'
 LOC. TO FENCE POST S 31° 10' E 128'

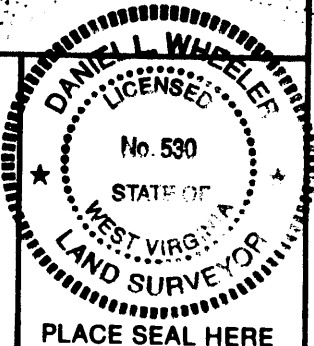


D.L. WHEELER & ASSOCIATES, INC.
 RT. 1, BOX 346
 CLARKSBURG, WV. 26301
 Tele. Ph.: 304-623-5851
 Fax. No.: 304-623-6131

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION WELL # 12537
 ELEV. 2153'

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 ENERGY.
 (SIGNED) *Daniel L. Wheeler*
 R.P.E. _____ L.L.S. 530
 DANIEL L. WHEELER



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



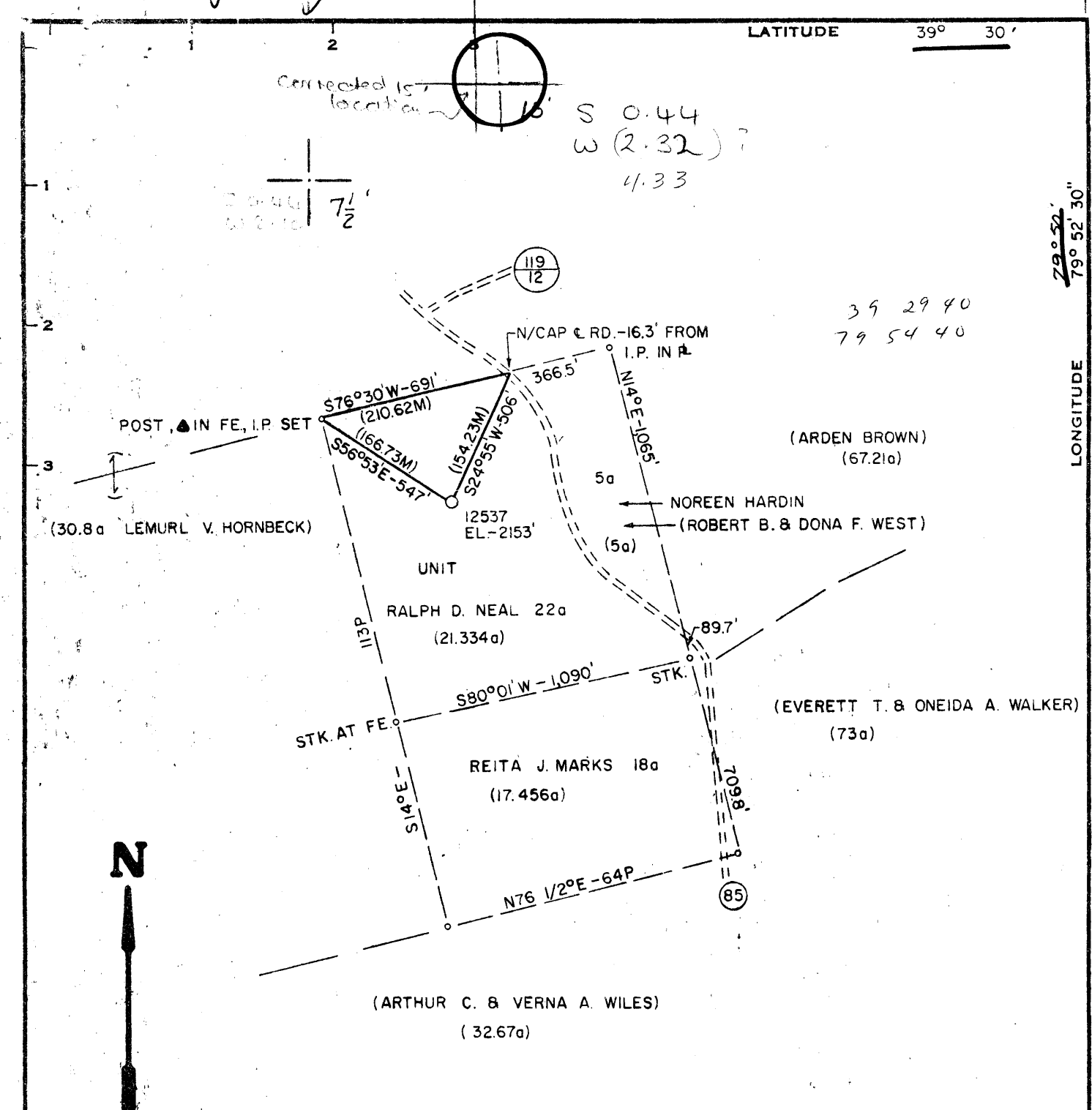
DATE JUNE 14, 19 91
 OPERATOR'S WELL NO. # 12537
 API WELL NO. 47-061-0440-P
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP SHALLOW ___
 LOCATION: ELEVATION 2153' WATERSHED BRAINS CREEK
 DISTRICT CLINTON COUNTY MONONGALIA
 QUADRANGLE GLADESVILLE 7.5'
 SURFACE OWNER RALPH D. NEAL ACREAGE 22
 OIL & GAS ROYALTY OWNER RALPH D. NEAL LEASE ACREAGE 22
 LEASE NO. _____
 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 HELDERBURG ESTIMATED DEPTH 8259'
 WELL OPERATOR HOPE GAS, INC. DESIGNATED AGENT CALVIN MORRISON
 ADDRESS P.O. BOX 2868 ADDRESS P.O. BOX 2868
 CLARKSBURG, WV. 26301 CLARKSBURG, WV. 26301

COUNTY NAME
 PERMIT

Corrected 15' location

S 0.44
W (2.32) ?
4.33



39 29 40
79 54 40

79° 52' 30"

LONGITUDE

Minimum Error of Closure 1' IN 200'
 Source of Elevation B.M. = ROAD FORK ELEV. 1988' GLADESVILLE 7 1/2' TOPO.
 "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 1032 A-5

F.B. 1920 PG. 6-8

Company CONSOLIDATED GAS SUPPLY CORP.
 Address CLARKSBURG, W.V.
 Farm RALPH D. NEAL (SURF & MIN.)
 Tract Acres 22a of 304.74 Lease No. 91366
 Well (Farm) No. Serial No. 12537
 Elevation (Spirit Level) 2153' NC
 Quadrangle GLADESVILLE 7 1/2' Thornton 15'
 County MONONGALIA District CLINTON
 Engineer Kennell M Radcliffe
 Engineer's Registration No. 665 #14
 File No. Drawing No.
 Date JUNE 22, 1978 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. MON -440

+ 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.
 AUG 16 1978
 — Denotes one inch spaces on border line of original tracing. **47-061**

FORM 32
 Deep Well Held by SOUTH BURNS CHAPEL 313 7722
 6-6



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

RECEIVED
NOV 20 1978
OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD 15

Quadrangle Gladesville

Permit No. MON-1110
47-061

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

Company <u>Consolidated Gas Supply Corp.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>145 N. Main St., Clarksburg, WV</u>	Size			
Farm <u>Ralph D. Neal</u> Acres <u>22 of 30</u>	20-16			
Location (waters) <u>Brains Creek</u>	Cond.			
Well No. <u>12537</u> Elev. <u>2153'</u>	<u>13 10" 13 3/8'</u>	<u>20'</u>	<u>20'</u>	To surface
District <u>Clinton</u> County <u>Monongalia</u>	<u>9 5/8</u>	<u>1070'</u>	<u>1070'</u>	To surface
The surface of tract is owned in fee by _____	<u>8 5/8</u>			
<u>Ralph D. Neal</u>	<u>7</u>			
Address <u>Morgantown, WV</u>	<u>5 1/2</u>			
Mineral rights are owned by <u>Same</u>	<u>4 1/2</u>	<u>8298'</u>	<u>8298'</u>	<u>100 Sks.</u>
Address _____	<u>3</u>			
Drilling Commenced <u>August 23, 1978</u>	<u>2</u>			
Drilling Completed <u>September 15, 1978</u>	Liners Used			
Initial open flow <u>NT</u> cu. ft. _____ bbls.				
Final production <u>1958M</u> cu. ft. per day _____ bbls.				
Well open <u>4</u> hrs. before test <u>11 Day 3000#</u> RP.				

Well treatment details: Attach copy of cementing record.
Well fractured in Chert with 95,000# sand, 1200 bbls. water with 5% Hcl, 2000 Gal 20% Hcl & 7000 gls. Raw Acid. Perforations: 7911-7950 with 6 holes, 7990-7992' with 2 holes, 8000-8021' with 2 holes & 8038-8041' with 6 holes. Total 38 holes.

Coal was encountered at None Feet _____ Inches _____
Fresh water None Feet _____ Salt Water None Feet _____
Producing Sand Chert Depth See perforations.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Fill			0	20		
Shale & Sand			20	532		
Sandy Shale			532	615		
Red Rock & Shale			615	898		
Lime			898	1017		
Red Rock			1017	1035		
Shale & Sand			1035	1270		
Shale			1270	7539		
Tully			7539	7613		
Shale			7613	7900		
Onondaga			7900	7925		
Chert			7925	8110		
Oriskany			8110	8170		
Helderberg			8170	8269		
					T.D.	

7900
2153
5747

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet 15	Bottom Feet	Oil, Gas or Water	* Remarks
Gamma Ray Log Tops						
Little Lime			742	755		
Big Lime			780	985		
Tully			7536	7607		
Onondaga			7920	7937		
Chert			7937	8128		
Oriskany			8128	8182		
Helderberg			8182	- -		
Total Depth				8269		

Consolidated Gas Supply Corp.
 445 West Main Street
 Clarksburg, West Virginia

Date November 17, 19 78

APPROVED: Consolidated Gas Supply Corp. (Owner)

By J. E. Payne Manager of Prod.

(Title)

Handwritten initials



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JUL 27 1978

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE July 25, 1978

Surface Owner Ralph D. Neal

Company Consolidated Gas Supply Corporation

Address Morgantown, West Virginia

Address 445 West Main St., Clarksburg, WV

Mineral Owner Same

Farm Ralph D. Neal Acres 22 of 304.74

Address _____

Location (waters) Brians Creek

Coal Owner No Coal

Well No. 12537 Elevation 2153

Address _____

District Clinton County Monongalia

Coal Operator None

Quadrangle Gladesville

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 drilling. This permit shall expire if operations have not commenced by 11-27-78.

INSPECTOR
TO BE NOTIFIED William Blosser

ADDRESS Colfax, WV

Deputy Director - Oil & Gas Division

PHONE 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 12-20 1977 by Ralph D. Neal made to Consolidated Gas Supply and recorded on the 31st day of December 1977, in Monongalia County, Book 801 Page 474

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:

Very truly yours,
(Sign Name) J. Payne
Well Operator, Manager of Production

W. VA. OIL & GAS CONSERVATION COMMISSION
1613 WASHINGTON STREET, EAST
CHARLESTON, WEST VIRGINIA 25311

Address of Well Operator Consolidated Gas Supply Corporation
Street 445 West Main Street, Clarksburg
City or Town West Virginia
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.

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

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Union Drilling Company, Inc. NAME R. E. Bayne, Manager of Production
 ADDRESS Buckhannon, WV ADDRESS Clarksburg, WV
 TELEPHONE _____ TELEPHONE 623-3611
 ESTIMATED DEPTH OF COMPLETED WELL: 8275 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Helderberg
 TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT LIFT UP OR SACKS - CUBIC FT.
20 - 16			
13 - XX			
9 - 5/8	30'	30'	To Surface
8 - 5/8	1020'	1020'	To Surface
7			
5 1/2			
4 1/2	8275'	8275'	200 Bags
3			
2			Perf. Top
Liners			Perf. Bottom
			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET _____ SALT WATER _____ 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