

5-1-83

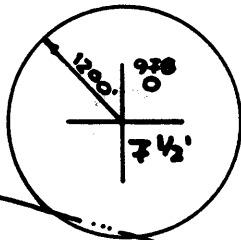
4480'
30

LATITUDE 39° 27' 30"

FRANCIS THORN

GLYDIS BONNER 50 AC.

STONE & WATERBEECH POINTERS



0.855
0.85 W

(PERMIT NO. 47-095-0978)
BONNER #1

BONNER #2
ELEV. 680'

GENE CARR

DORIS SMITH

GLADYS BONNER

GAIL STULL

CONSTANCE MORRIS

WATERBEECH

LORENA SMITH

MIDDLE ISLAND CREEK

MIDDLE ISLAND CREEK

NORTH

LORENA SMITH

LONGITUDE 80° 00'

3.735
0.88 W

FILE NO. _____
DRAWING NO. _____
SCALE 1"=500'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION ROAD INT. ELEV. 631'

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) William D. Shaw
R.P.E. _____ L.L.S. 551

PLACE SEAL HERE

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



DATE 31 MAY, 19 83
OPERATOR'S WELL NO. BONNER #2
API WELL NO. 47 - 095 - 1031
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

JUN 06 1983

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
LOCATION: ELEVATION 680' WATER SHED MIDDLE ISLAND CREEK
DISTRICT UNION 6 241 COUNTY TYLER
QUADRANGLE BENS RUN 7 1/2' QUAD St. Mary's 15' NE 116 3
SURFACE OWNER GLYDIS BONNER ESTATE ACREAGE 50
OIL & GAS ROYALTY OWNER GLYDIS BONNER LEASE ACREAGE 50
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 OHIO SHALE ESTIMATED DEPTH 5999' 6-6 Shiloh-Wick (86)
WELL OPERATOR OVERJOHN, INC. DESIGNATED AGENT PERCY JOHNSON
ADDRESS 6335 EMERSON AVENUE ADDRESS 6335 EMERSON AVENUE

4480'

LATITUDE 39° 27' 30"

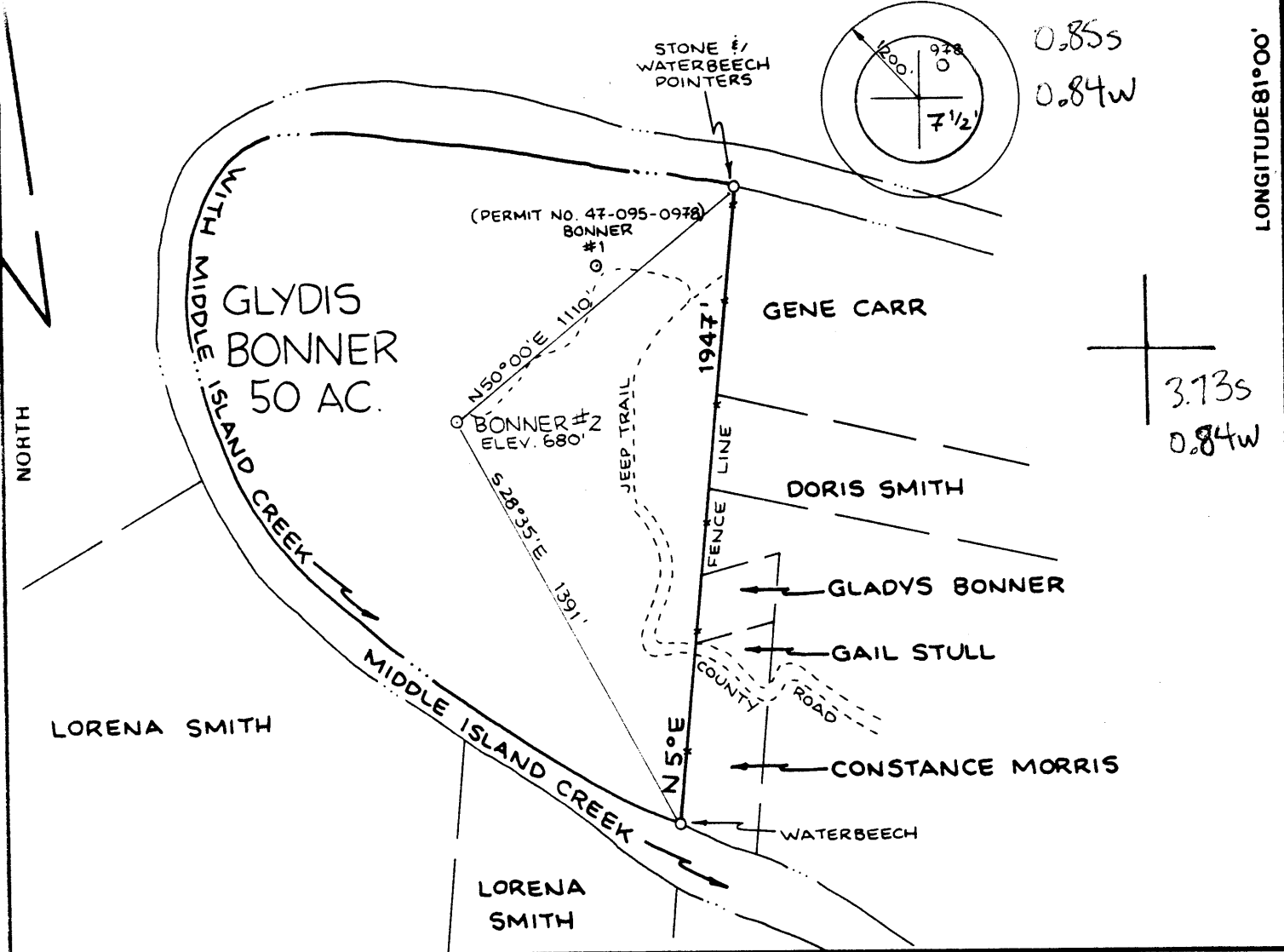
39° 30'

CODE / CARD / PLOT

FRANCIS THORN

4500'

LONGITUDE 81° 00'



FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION RD. INT. ELEV. 631'

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) William P. Hesser
 R.P.E. _____ L.L.S. 551

PLACE SEAL HERE

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



DATE 10 DECEMBER, 1982
 OPERATOR'S WELL NO. BONNER #2
 API WELL NO. _____
47 - 095 - 1031-DD
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 680' WATER SHED MIDDLE ISLAND CREEK
 DISTRICT UNION 6 COUNTY TYLER
 QUADRANGLE BENS RUN 7 1/2' QUAD. 841 St. Marys 116 NE3
 SURFACE OWNER GLYDIS BONNER ESTATE ACREAGE 50
 OIL & GAS ROYALTY OWNER GLYDIS BONNER LEASE ACREAGE 50
 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 OHIO SHALE ESTIMATED DEPTH 5999'
 WELL OPERATOR ROBERT J. LEMON DESIGNATED AGENT GERALD W. LAUDERMAN
 ADDRESS 36 GIANT TIRE, ROUTE 4 ADDRESS P.O. BOX 266
MARIETTA, OH 45750 528 PADEN CITY, W.VA. 26159

MAY 20 1985

V-35
ev 8-81)



Date October 20, 1985
Operator's Well No. Bonner #2
Farm Denzil Bonner Lease
API No. 47 - 095 - 103100

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State of West Virginia
Department of Mines
Oil and Gas Division

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 680' Watershed Middle Island Creek
District: Union County Tyler Quadrangle Bens Run

COMPANY Robert J. Lemon
ADDRESS P.O. Box 1062, Marietta, Ohio 45750
DESIGNATED AGENT Karen Sayer
ADDRESS 4 1/2 Street, Williamstown, WV 26187
SURFACE OWNER Denzil Bonner
ADDRESS 667 Knollwood Drive, Mt. Airy, NC 27030
MINERAL RIGHTS OWNER Same
ADDRESS Same

OIL AND GAS INSPECTOR FOR THIS WORK Robert
Lothor ADDRESS General Delivery, Middlebourne,
West Virginia 26149

PERMIT ISSUED May 16, 1985
DRILLING COMMENCED 6/10/85
DRILLING COMPLETED 8/10/85

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.			
13-10"			
9 5/8			
8 5/8	345'	Yes	Cemented to surface
7	720'	Yes	No
5 1/2	1300'	Yes	No
4 1/2			
3			
2	1428'	Yes	No
Liners used			

GEOLOGICAL TARGET FORMATION Keener & Big Injun Depth 1600' feet
Depth of completed well 1561' feet Rotary / Cable Tools XX
Water strata depth: Fresh 70'-95' feet; ^{Sulfur} Salt 23'-330' feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Keener Pay zone depth 1530' to 1559' feet
Gas: Initial open flow 100,000 Mcf/d Oil: Initial open flow 25 Bbl/d
Final open flow 100,000 Mcf/d Final open flow 20 Bbl/d
Time of open flow between initial and final tests 24 hours
Static rock pressure 550 psig (surface measurement) after 12 hours shut in
(If applicable due to multiple completion--)

*natural
comp well*

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 FEB Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

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

NONE
COMPLETION NATURAL

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 & Shale			0	70	
Sand & Water			70	95	Fresh Water
Shale			95	100	
Shale			100	120	
Lime			120	135	
Lime			135	150	
Shale			150	185	
Shale			185	195	
Shale			195	210	
Slate			210	225	
Slate			225	265	
Lime			265	275	
Lime			275	300	
Shale			300	315	
Lime			315	337	Sulfur Water
Lime			337	345	
Gray Shale			345	360	
Gray Shale			360	390	
Gray Shale			390	400	
Lime			400	425	
Lime			425	435	
Gray Shale			435	450	
Sand			450	480	
Gray Shale			480	510	
Gray Shale			510	540	
Gray Shale			540	564	
Top of the Big Red Cave			565	623	Ran 7" Casing to 623'
Red Shale			623	655	
Red Shale			655	685	
Top of the First Cow Run			685	700	
Gray Shale			700	750	
Shale & Lime			750	810	
Top of the Second Cow Run			810	860	
Lime & Shale			860	906	
Shale			906	968	
Shale & Lime			968	1017	
Shale & Lime			1017	1032	
Sand			1032	1065	
Lime			1065	1076	
Shale			1076	1080	
Lime			1080	1105	

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

Well Operator

By: Robert J. [Signature]

Date: _____

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

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

None
Completed Natural

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Page 2					
Sand & Lime			1105	1143	
Lime			1143	1186	
Shale & Lime			1186	1222	
Shale & Lime			1222	1270	
Shale			1270	1300	
Shale			1300	1355	
Shale			1355	1399	
Sand			1399	1444	
Lime			1444	1454	
Shale & Lime			1454	1475	
Lime			1475	1501	
Lime			1501	1528	
Lime			1528	1530	
Sand			1530	1559	Keener- Oil & Gas
Shale			1559	1561	TD

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

Hi-WEST PETROLEUM & EXPLORATION
Well Operator

By: *[Signature]*

Date: OCTOBER 20, 1986

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

FEB 18 1987



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MAY 16 1985

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

OIL & GAS DIVISION

- 4) WELL TYPE: DEPT. OF MINES Gas XX /
B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow _____ /)
- 5) LOCATION: Elevation: 680' Watershed: Middle Island Creek
District: Union County: Tyler Quadrangle: Bens Run
- 6) WELL OPERATOR Robert J. Lemon 7) DESIGNATED AGENT Gerald W. Lauderman
Address C/O Giant Tire, Route 4 Address 101 East Madison Street
Marietta, Ohio 45750 Paden City, West Virginia 26159
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
Name Robert A. Lothar Name Gerald W. Lauderman
Address General Delivery Address 101 East Madison Street
Middlebourne, West Virginia 26149 Paden City, West Virginia 26159
- 10) PROPOSED WELL WORK: Drill XX / Drill deeper _____ / Redrill _____ / Stimulate _____ /
Plug off old formation _____ / Perforate new formation _____ /
Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Ohio Shale
- 12) Estimated depth of completed well, 5999' feet
- 13) Approximate trata depths: Fresh, 800' feet; salt, 600' feet.
- 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No XX /
- 15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	10 3/4"					350'		CTS	Kinds <u>NEAT</u>
Fresh water									Sizes
Coal									
Intermediate	7"					1500'		CTS	
Production						5999'	5999'	450 sacks	Depths set <u>or as req. by rule 15.01</u>
Tubing									Perforations:
Liners									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-095-1031DD

May 16 19 85
Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires May 16, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>SB</u>	Agent: <u>MJ</u>	Plat: <u>MJM</u>	Casing: <u>MJM</u>	Fee: <u>1698</u>
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Margaret J. Hass
Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.



1) Date: 5-31, 1993
 2) Operator's Well No. Bonner 12
 3) API Well No. 47 State 099 County 1031 Permit

DRILLING CONTRACTOR:

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 600' Watershed: Middle Island Creek
 District: Union County: Taylor Quadrangle: Bons Run 1/4
- 6) WELL OPERATOR Over-John Inc.
 Address 6115 Pearson Ave. Parkersburg, W.V. 26101
- 7) OIL & GAS ROYALTY OWNER Glydia Bonner Estate
 Address 1978 Pershing Way Morrow, GA 30260
 Acreage 50
- 8) SURFACE OWNER Glydia Bonner Estate
 Address Same
 Acreage 50
- 9) FIELD SALE (IF MADE) TO:
 Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Robert A. Dethmer
 Address General Delivery Middlebourne, W.V. 26149
- 11) DESIGNATED AGENT Patsy Johnson
 Address 6115 Pearson Ave. Parkersburg, W.V. 26101
- 12) COAL OPERATOR _____
 Address _____
- 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Name _____
 Address _____
- 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Name _____
 Address _____
- 15) PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Ohio Shale
- 17) Estimated depth of completed well, 5900' feet
- 18) Approximate water strata depths: Fresh, 800' feet; salt, 600' feet.
- 19) Approximate coal seam depths: _____ Is coal being mined in the area? Yes / No

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	10 3/4"					350'			Kinds
Fresh water									
Coal									Sizes
Intermediate	7"					1500'			Depths set
Production									Perforations:
Tubing									Top Bottom
Liners									

21) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

23) Required Copies (See reverse side.)

24) 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 lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: [Signature]
 My Commission Expires 12/21/91

Signed: [Signature]
 Its: [Signature]

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-095-1031

Date June 1, 1993

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires February 1, 1934

unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee

Administrator, Office of Oil and Gas

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—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.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
 - (1) A brief description of the tract of land including the district and county wherein the tract is located;
 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
 - (4) A brief description of the royalty provisions of each such lease or contract.
- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) 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.
- 24) 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 the receipt of this Application by the Department.

.....

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 _____