



FILE NO. _____
 DRAWING NO. _____
 SCALE **1" = 50'**
 MINIMUM DEGREE OF ACCURACY **1:200**
 PROVEN SOURCE OF ELEVATION **ROAD WT. ELEV. 711'**

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 R. Miller*
 R.P.E. _____ L.L.S. **351**



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

FORM IV-6 (8-78)



DATE **27 JUNE**, 19 **85**
 OPERATOR'S WELL NO. **21**
 API WELL NO. **47 - 029 - 0119**
 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 **714'** WATER SHED **OHIO RIVER**
 DISTRICT **CHESTER CORP. (Gen)** COUNTY **HANCOCK** **Walsville 15'**
 QUADRANGLE **EAST LIVERPOOL SOUTH 7 1/2' QUAD. 330** **131 EC 6**

SURFACE OWNER **MASONIC LODGE #142** ACREAGE **2.84**
 OIL & GAS ROYALTY OWNER **MASONIC LODGE #142** LEASE ACREAGE **2.84**
 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 **GORDON** ESTIMATED DEPTH **1800'**
 WELL OPERATOR **MASONIC TEMPLE OR** DESIGNATED AGENT **CARL SHEPHERD** **AUG 12 1985**
 ADDRESS **FIRST STREET 578** ADDRESS **237 CAROLINA AVENUE**
CHESTER, W.VA. 26034 **CHESTER, W.VA. 26034**

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

Going to use well without any stimulating of any kind.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand & Gravel		soft	0'	101'	Some had Pans
Blue Rock		Hard	101'	114'	Fresh water at 65ft.
Lite Gray Shale		M. Hard	114'	160'	Fresh water at 101 ft
Gray Lime		E. Hard	160'	168'	
Dark Gray Shale		M. Hard	168'	210'	
Lime Streaks of White Sand		E. Hard	210'	226'	
Dark Gray Shale		M. Hard	226'	260'	
Light Gray Shale		Soft	260'	300'	
Shale & Lime Shells		M. Hard	300'	357'	
Dark Gray Sand		Hard	357'	368'	Show of Gas at 362 ft.
Gray Shale with Lime		M. Hard	368'	412'	
Sand Gray		Hard	412'	425'	
Gray Shale Streaks of Sand		Hard and Soft	425'	478'	Pottsville
Dark Gray Shale		M. Hard	478'	505'	
Lime		Hard	505'	514'	
White Sand		Hard	514'	520'	
Light Gray Sand		M. Hard	520'	540'	Got 5 thousand ft. at 528 ft.
Dark Gray Shale, broke into Sand		Soft	540'	543'	Got 15 thousand ft. at 549 ft
Light Gray Sand		M. Hard	543'	557'	T.D.
		Some streaks Hard.			

(Attach separate sheets as necessary)

Masonic Temple Co
Well Operator

By: Carl Shepherd

Date: 11/29/85

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 those encountered in the drilling of a well."



1) Date: _____, 19____
 2) Operator's Well No. #1
 3) API Well No. 47 -029-0118
 State _____ County _____ Permit _____

RECEIVED

JUL 26 1987

STATE OF WEST VIRGINIA
 DEPARTMENT OF ~~ENERGY~~ OIL AND GAS DIVISION
ENERGY
 APPLICATION FOR A WELL WORK PERMIT

- OIL & GAS DIVISION: X
 DEPT. OF ENERGY Gas X
 B (If "Gas", Production X) / Underground storage _____ Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 714 Watershed: Ohio River
 District: GRANT County: Hancock Quadrangle: E. Co., South 7 1/2
- 6) WELL OPERATOR: Masonius Temple 7) DESIGNATED AGENT: Carl E. Shepherd
 Address: First Street Address: 237 Caroline Avenue
Chester, W.Va. 26034 Chester, W.Va. 26034
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR
 Name: Robert Souther Name: C.O.W. Resources
 Address: 3rd St Middlebourne, W.Va. Address: P.O. Box 191
Chester, W.Va. 26034
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate X /
 Plug off old formation _____ / Perforate new formation _____ /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Gordon 419
- 12) Estimated depth of completed well, 1800 feet
- 13) Approximate strata depths: Fresh, 110-160 feet; salt, 290 feet.
- 14) Approximate coal seam depths: None Is coal being mined in the area? Yes _____ / No X /

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"	A	40#		X	110ft	110ft		Kinds
Fresh water	8"	A	28#		X	210ft	210ft	C.I.T.S	
Coal	<u>NONE</u>								Sizes
Intermediate	7"	A		X		460ft	460ft		
Production	4 1/2"	A		X		1800ft	1800ft	200SKS	Depths set:
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-029-0118 Date July 26 19 85

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 July 26, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>SB</u>	Agent: <u>MN</u>	Plat: <u>MN</u>	Casing: <u>MN</u>	Fee: <u>115</u>
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K. Parker
 DIRECTOR, DIVISION OF OIL AND GAS
 File _____

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

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