

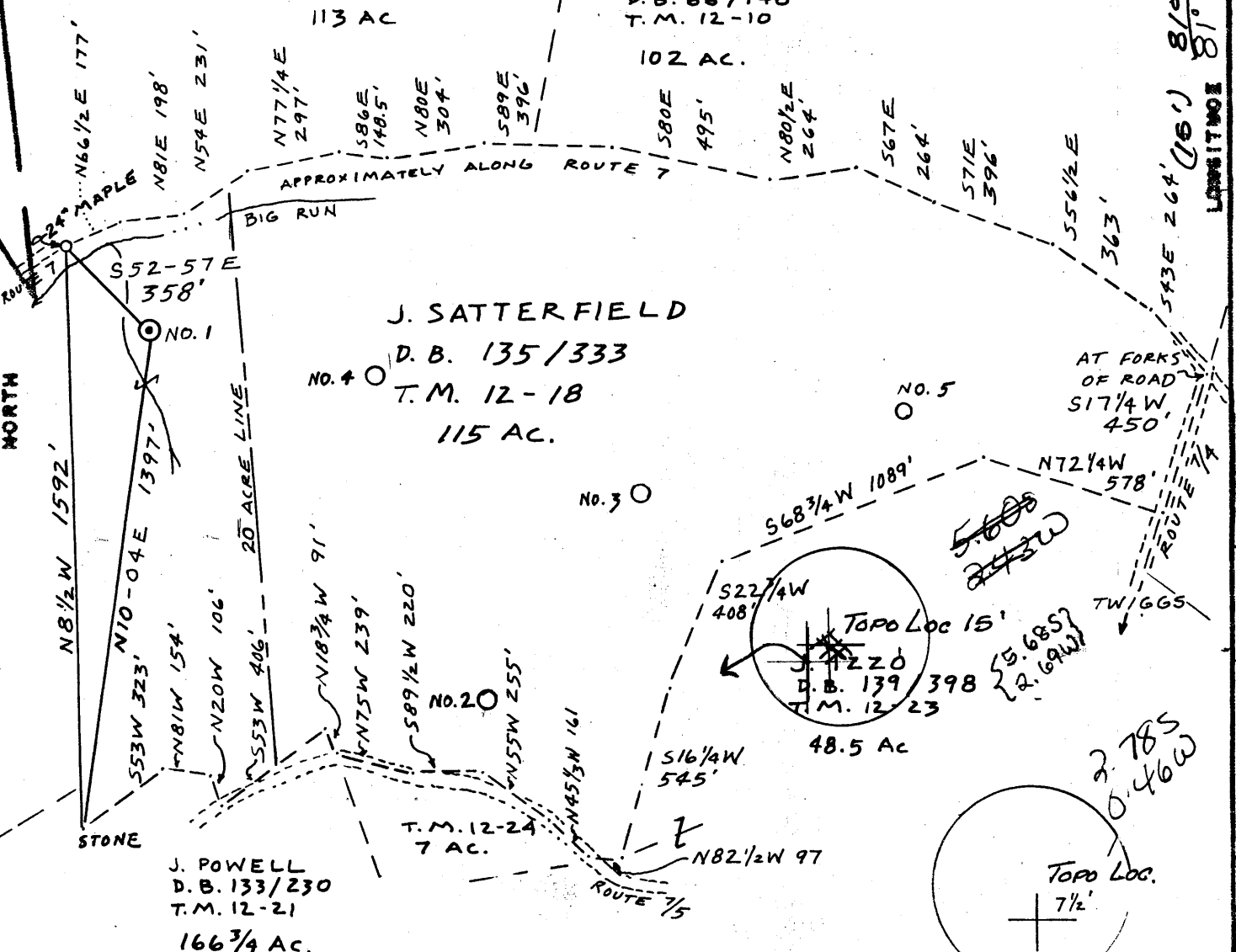
LATITUDE $39^{\circ}27'30''$
 (15') $39^{\circ}30'$
 14800' SOUTH
 2400' WEST

--- LINE PLOTTED FROM DEED
 — SURVEYED LINE
 ⊙ = LOCATION
 ○ = PROPOSED LOCATION

D.B. = DEED BOOK
 T.M. = TAX MAP

A. SMITH
 D.B. 96/114
 T.M. 12-9

M. BUTLER
 D.B. 66/148
 T.M. 12-10



2/18/80

FILE NO. L+M
 DRAWING NO. R.L.A. 1
 SCALE 1" = 500
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION BM 765'

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) Neal Hughes
 R.P.E. _____ L.L.S. 632

PLACE SEAL HERE

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



DATE FEBRUARY 1, 19 80
 OPERATOR'S WELL NO. 1
 API WELL NO. 47-073-0826-F
 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 785' WATER SHED BIG RUN
 DISTRICT UNION 5 COUNTY PLEASANTS
 QUADRANGLE BENS RUN 24, ST. MARYS 15'116 NE3
 SURFACE OWNER J. SATTERFIELD ACREAGE 115 AC
 OIL & GAS ROYALTY OWNER J. ROBERT LAIDLEY LEASE ACREAGE 115 Ac.
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUS OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUS AND ABANDON _____ CLEAN OUT AND REPLUS _____
 TARGET FORMATION GORDON ESTIMATED DEPTH 2800' SEP 8 1986
 WELL OPERATED BY BEACON RESOURCES DESIGNATED OPERATOR DENNY HARTON
 ADDRESS VIENNA, WV ADDRESS VIENNA, WV

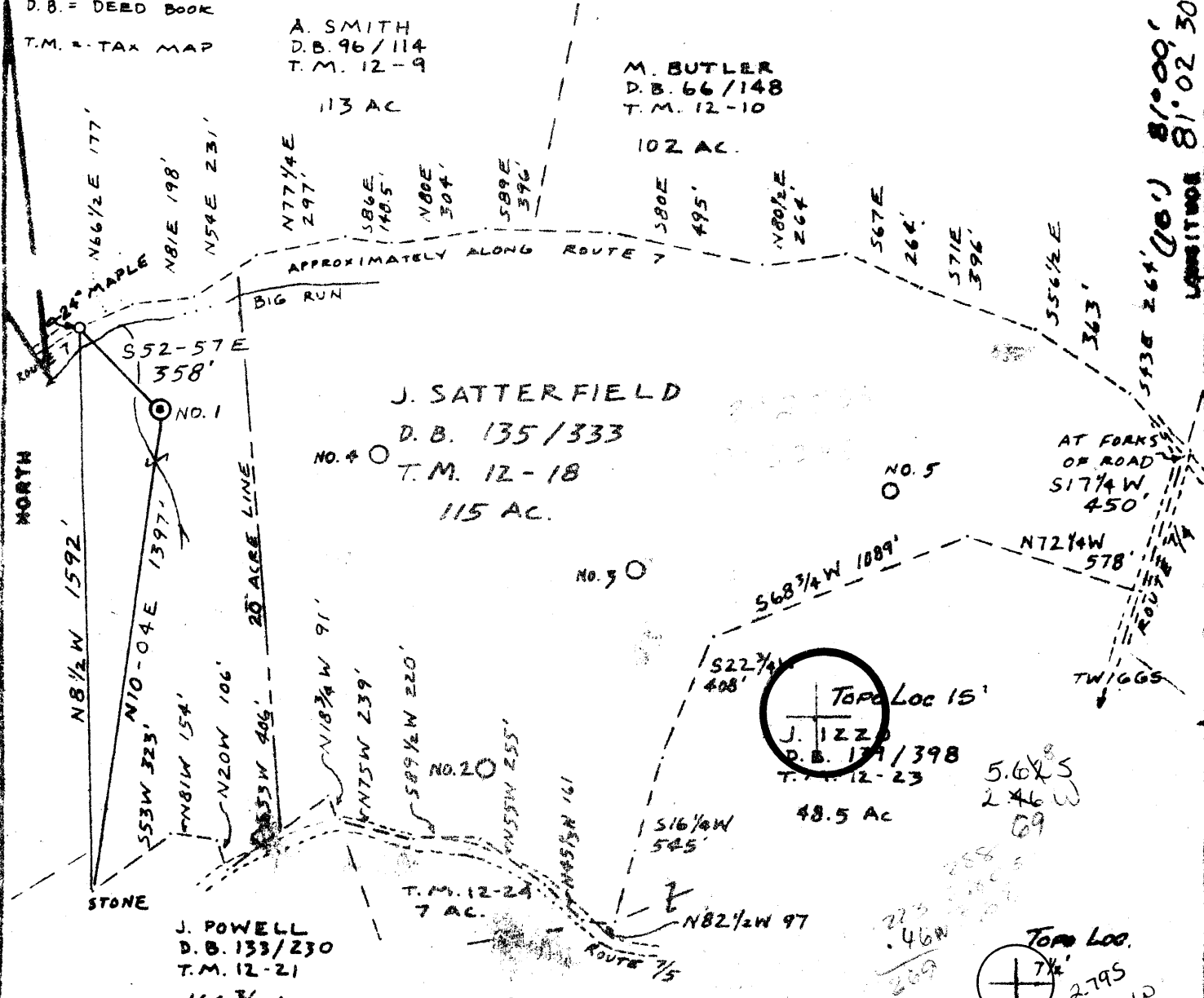
200000-6-D Shiloh Link (81)

LINE PLOTTED FROM DEED
 SURVEYED LINE

⊙ = LOCATION
 ○ = PROPOSED LOCATION

D.B. = DEED BOOK
 T.M. = TAX MAP

Latitude 39° 27' 30" (15')
 39° 30'
 14800' SOUTH
 2400' WEST



FILE NO. L+M
 DRAWING NO. R.L.A.1
 SCALE 1" = 500
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION BM 765

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 (SIGNED) Neal Hughes
 R.P.E. _____ L.L.S. 632

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 (8-78)



DATE FEBRUARY 1, 19 80
 OPERATOR'S WELL NO. 1
 API WELL NO. 47-073-0826
 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 785 WATER SHED BIG RUN
 DISTRICT UNION COUNTY PLEASANTS
 QUAD/ANGLE BENS RUN 7 1/2 ST MARYS 15' NE
 SURFACE OWNER J. SATTERFIELD ACRES 115
 OIL & GAS ROYALTY OWNER J. ROBERT LADLEY LEASE ACRES 115
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ RE-DRILL _____ FRACTURE OR STIMULATE _____ PLUS OFF OLD FORMATION _____ REPERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE (IF WELL) (SPECIFY) _____
 PLUS AND ABANDON _____ CLEAN OUT AND REPAIR _____
 TARGET FORMATION GORDON ESTIMATED DEPTH 2800'
 WELL OPERATOR LEM PETROLEUM COMPANY INC LEASE RICHARD HANSON &
 ADDRESS Rt. 1, Box 18, S.W. 1/4 Sec 22, T. 12 N., R. 12 W., Co. Pleasants, W. Va.
EMERSON & CANTON, W. VA.

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

Perf 1810-1850, 18 shots
 Frac - water foam, 150 sks 20/40 sand, 167,200 SCF N₂
 BD 2400 PSI
 ATP 2530 PSI
 Average rate 5 bbl water, 20 MSCF/minute
 ISIP 2870

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Permian Shales/Sands			0	450	 MAR 03 1987 DIVISION OF OIL & GAS DEPARTMENT OF ENERGY
Pennsylvanian Shales/Sands			451	1551	
Maxon Sand			1552	1576	
Shale			1577	1602	
Big Lime			1603	1643	
Shale			1644	1712	
Big Injun			1713	1863	
Shale			1864	2151	
Berea			2152	2153	
Shale			2154	2644	
Gordon			2645	2656	
Shale			2657	2681	
TD				<u>2681</u>	

(Attach separate sheets as necessary)

BEACON RESOURCES CORP.
 Well Operator
 By: [Signature]
 Date: 3/2/87

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 ... encountered in the drilling of a well."



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OCT 31 1980

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Quadrangle Bens Run
Permit No. 47-073-0826

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

Company L&M Petroleum Co.
Address Rt. 1, Box 18-B, Marietta, OH
Farm Robert Laidley #1 Acres 115
Location (waters) Big Run
Well No. 1 Elev. 785'
District Union County Pleasants
The surface of tract is owned in fee by Satterfield

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	286		
7			
5 1/2			
4 1/2	83 jts.	83 jts.	330 sx
3			
2			
Liners Used			

Address St. Marys, WV
Mineral rights are owned by J. Robert Laidley
Address 5053 Corvallis Dr. Mt. Pleasant, MI
Drilling Commenced Feb. 20, 1980
Drilling Completed Feb. 23, 1980
Initial open flow 200M cu. ft. _____ bbls.
Final production 100M cu. ft. per day _____ bbls.
Well open 6 hrs. before test _____ RP.

Well treatment details: Attach copy of cementing record.
Frac well on Sept. 16, 1980 using 60M# sand, 807 BW, at 2050 PSIG, 18 BPM, w/ 155MSCF Nitrogen

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Gordon Depth 2645 to 2656

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Maxon Sand			1552	1576		
Big Lime			1603	1643		
B. Injun Sand			1713	1863		
Weir Sand			1958	2016		
Berea Sand			2152	2162		
<u>Gordon Sand</u>			<u>2645</u>	<u>2656</u>	<u>Oil/Gas</u>	<u>?</u>

Note: No logs or samples taken above these depths.

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NOV 21 1980
OIL & GAS
COMMISSION

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OCT 15 1980
OIL & GAS DIVISION
DEPT. OF MINES

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AUG 13 1986



1) Date: August 11, 1986
 2) Operator's Well No. Robert Laidley #1
 3) API Well No. 47 - 073-0826 - F
 State _____ County _____ Permit _____

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

RE-FRAC

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage _____ / Deep _____ / Shallow)
- 5) LOCATION: Elevation: 785 Watershed: Big Run
 District: Union County: Pleasants Quadrangle: Bens Run 241
- 6) WELL OPERATOR Beacon Resources CODE: 3975 7) DESIGNATED AGENT Denny Harton
 Address #1 17th Street Address #1 17th Street
Vienna, WV 26105 Vienna, WV 26105
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Robert Lowther
 Address _____
Middlebourne, WV 26149
- 9) DRILLING CONTRACTOR: Name Beacon Resources
 Address #1 17th Street
Vienna, WV 26105
- 10) PROPOSED WELL WORK: Drill _____ / Drill deeper _____ / Redrill _____ / Stimulate
 Plug off old formation _____ / Perforate new formation
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Big Injun 1722-1860
- 12) Estimated depth of completed well, 1860 feet
- 13) Approximate trata depths: Fresh, _____ feet; salt, _____ feet.
- 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No
- 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									Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8						286		
Production	4 1/2						2660	330 sks	Depths set
Tubing									
Lin...									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-073-0826-F

Date September 2 19 86

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 September 2, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee	WPCP	S&E	Other
	<u>ALB</u>	<u>AS</u>	<u>AS</u>	<u>6207</u>	<u>AS</u>	<u>AS</u>	

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

John H. Johnston
 Director, Division of Oil and Gas
Margaret J. Hesse
 File



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FEB - 7 1980

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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 February 6, 1980

Surface Owner J. Satterfield

Company L&M Petroleum, Co.

Address _____

Address Rt. 1, Box 18-B, Marietta, OH

Mineral Owner J. Robert Laidley

Farm J. Robert Laidley Acres 115

Address 5053 Corvallis Dr., Mt. Pleasant, MI

Location (waters) Big Run

Coal Owner Same as above

Well No. 1 Elevation 785'

Address _____

District Union County Pleasants

Coal Operator None

Quadrangle Bens Run

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 10-8-80.

INSPECTOR

TO BE NOTIFIED Phillip Lee Tracy

P.O. Box 173-Dodd Street

ADDRESS Middlebourne, WV 26149

PHONE 758-4573

Robert Laidley
Deputy Director - Oil & Gas Division

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 11/15 1977 by J. Robert Laidley made to J.E. Olds and recorded on the 1st day of Nov. 1979 in Pleasants County, Book 154 Page 85

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:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address
of
Well Operator

Very truly yours, Phillip C. Hunter
(Sign Name) Phillip C. Hunter
Well Operator

Rt. #1, Box 18-B

Street

Marietta, OH 45750

City or Town

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

47-073- 0826

PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by _____

