

3065(26)

BROWN(25)

LATITUDE 39° 12' 30"  
(15') 39° 15'

C.W. BROWN

M. WILLIAMS

ED ORR  
123.75 ACRES

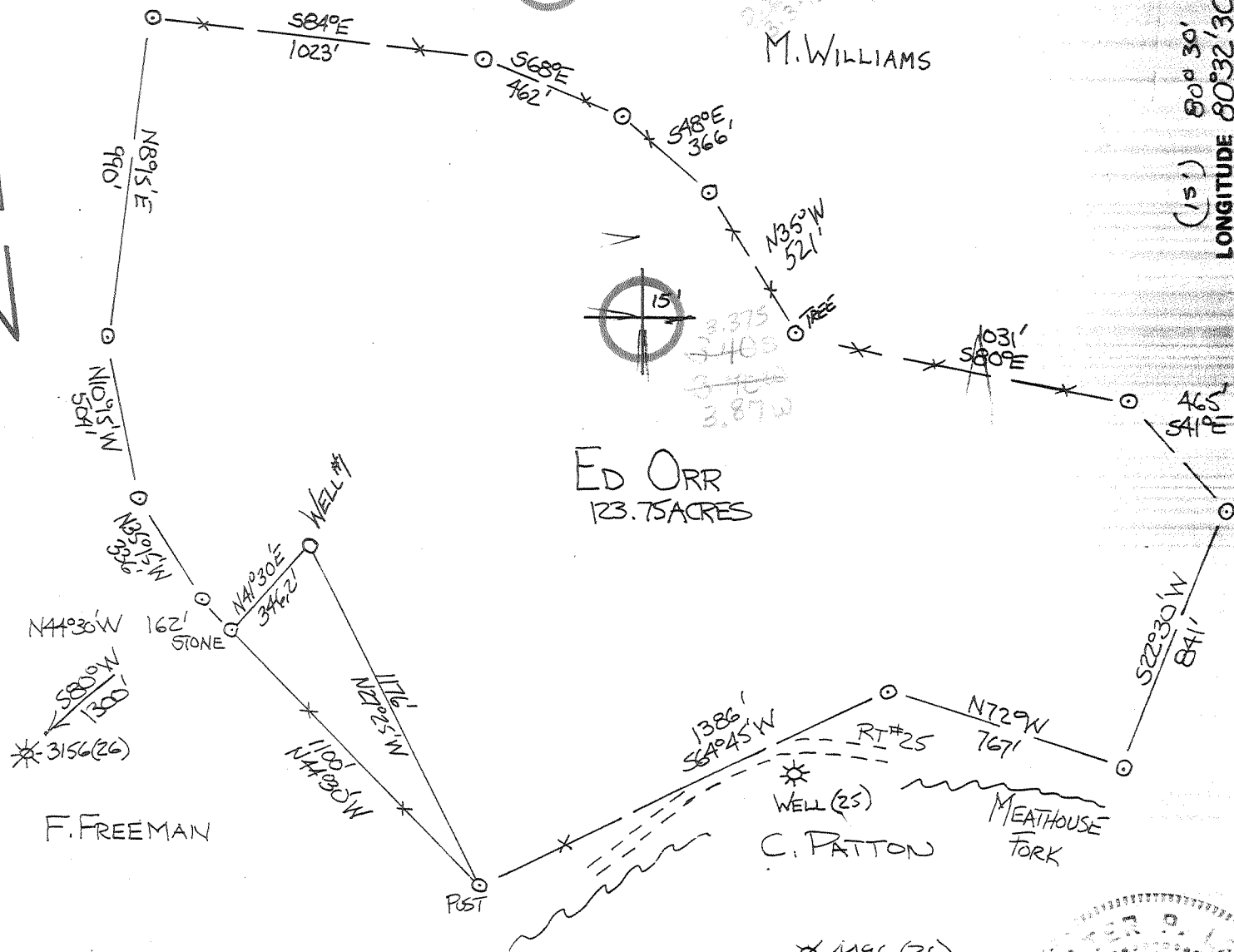
F. FREEMAN

C. PATTON

MEATHOUSE  
FORK

NORTH

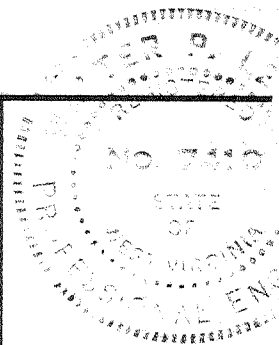
LONGITUDE 80° 32' 30"  
(15')



FILE NO. 5-12-1980  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1"=500'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION OF ROADS ± 1/4 MILE WEST (926)

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) Walter P. Lepert  
 R.P.E. 7410 L.L.S. \_\_\_\_\_



PLACE SEAL HERE

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

FORM IV-6  
(8-78)



DATE \_\_\_\_\_, 19\_\_\_\_  
 OPERATOR'S WELL NO. 5-369  
 API WELL NO. \_\_\_\_\_  
47 - 017 - 2748  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

*Corrected operator and well number*

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 1181 WATER SHED MEATHOUSE FORK  
 DISTRICT GREENBRIER COUNTY DODDRIDGE  
 QUADRANGLE BIG ISAAC 7 1/2 VADIS 15' NE  
 SURFACE OWNER E. MERRIT - H. GAINES ACREAGE 123.75  
 OIL & GAS ROYALTY OWNER ED ORR LEASE ACREAGE 123.75  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL X 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 \_\_\_  
 RGET FORMATION ALEXANDER ESTIMATED DEPTH 5500  
 L OPERATOR J & J Enterprises DESIGNATED AGENT James Willett  
 ADDRESS PO Box 48 ADDRESS Same Address  
Buckhannon, W. Va. 26201 472-9403

MAR 9 1981

BROWN(25)

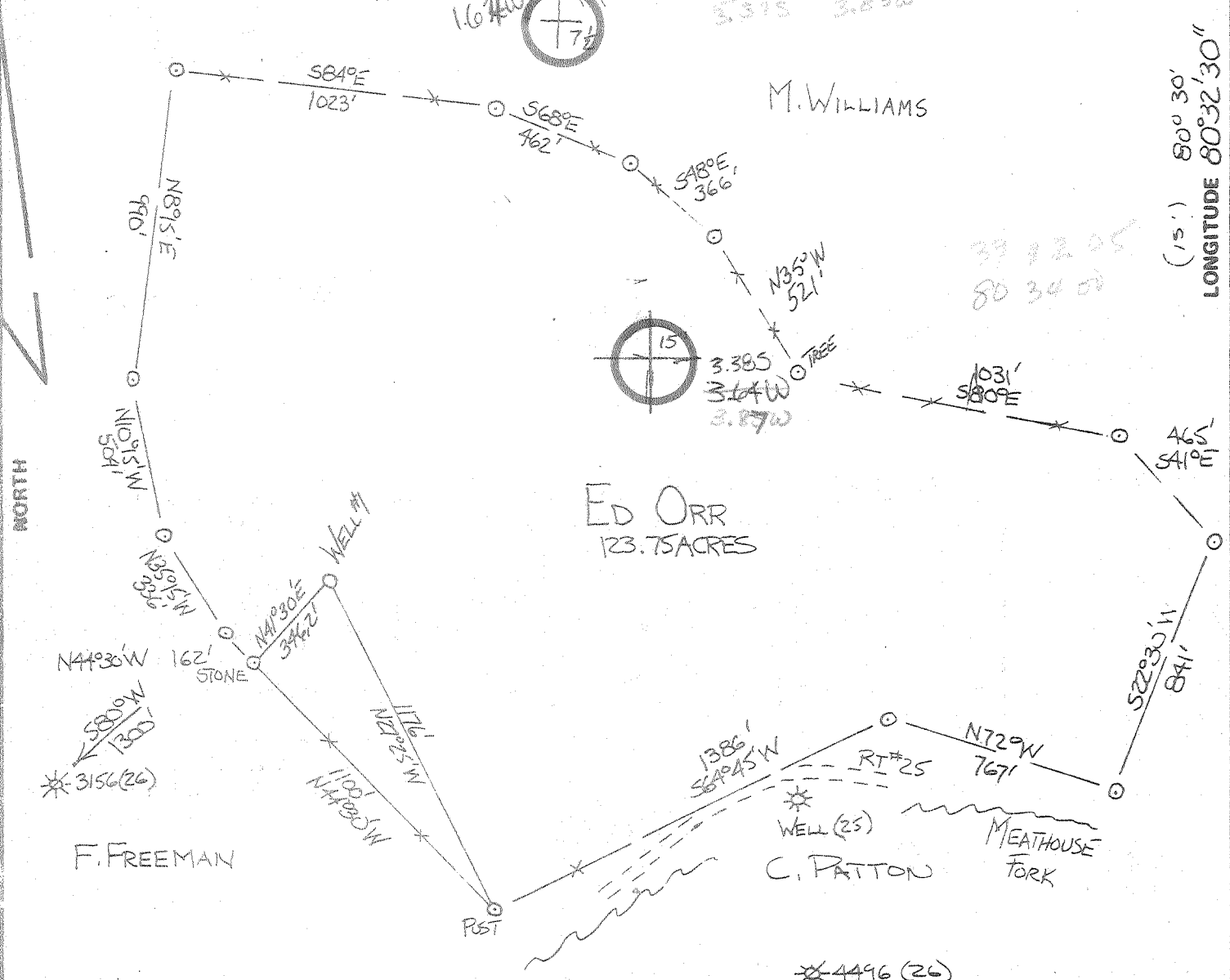
LATITUDE 39°12'30"  
 (15') 39°15'

C.W. BROWN

0.49  
 1.64  
 1.62  
 2.03  
 3.85



1.62  
 2.03  
 3.85



(15') 80°30'  
 LONGITUDE 80°32'30"

39 12 30  
 80 34 00

ED ORR  
 123.75 ACRES

FILE NO. 5-12-1980  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1"=500'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION ☉ OF ROADS ± 1/4  
 MILE WEST (926)

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) Walter P. Lepert  
 R.P.E. 7410 L.L.S. \_\_\_\_\_

PLACE SEAL HERE

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



DATE \_\_\_\_\_, 19\_\_\_\_  
 OPERATOR'S WELL NO. 1  
 API WELL NO. \_\_\_\_\_  
47 - 017 - 2748  
 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 1181 WATER SHED MEATHOUSE FORK  
 DISTRICT GREENBRIER COUNTY DODDRIDGE  
 QUADRANGLE BIG ISAAC 7 1/2 VADIS 15' NE  
 SURFACE OWNER E. MERRIT - H. GAINES ACREAGE 123.75  
 OIL & GAS ROYALTY OWNER ED ORR LEASE ACREAGE 123.75  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL X 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 ALEXANDER ESTIMATED DEPTH 5500  
 WELL OPERATOR DORAN + ASSOCIATES, INC. DESIGNATED AGENT  
 ADDRESS 728 WASHINGTON ROAD ADDRESS \_\_\_\_\_  
Pitt, Pa.

WELL OPERATOR'S REPORT  
OF

Operator's Well No. J-369  
API Well No. 47 - 017 2748  
State County Perm. State County Perm.

[08-78]

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

TYPE: Oil  / Gas  / Liquid Injection  / Waste Disposal   
(If "Gas", Production  / Underground storage  / Deep  / Shallow  /)  
Elevation: 1181 Watershed: Meathouse Fork  
District: Greenbrier County: Doddridge Quadrangle: Big Issac 7.5'

OPERATOR J & J Enterprises, Inc. DESIGNATED AGENT H.L. Barnett  
Address Box 48 Address Box 48  
Buckhannon, WV 26201 Buckhannon, WV 26201

PERMITTED WORK: Drill  / Convert  / Drill deeper  / Redrill  / Fracture or stimulate   
Plug off old formation  / Perforate new formation   
Other physical change in well (specify) \_\_\_\_\_

ISSUED ON 8-2, 19 80 OIL & GAS INSPECTOR FOR THIS WORK:  
Name Paul Garrett  
Address 321 Beech St.  
Clarksburg, WV 26301

LOGICAL TARGET FORMATION: Alexander Depth 5153-5406 feet  
Depth of completed well, 5579 feet Rotary  / Cable Tools   
Water strata depth: Fresh, 120 feet; salt, None feet.  
Coal seam depths: 152-55 Is coal being mined in the area? NO  
Work was commenced 8-13, 19 80, and completed 8-18, 19 80

LOGGING AND TUBING PROGRAM

LOG 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
Drill pipe	11 3/4	H-40	42	x		25	25	0 sks.	Kinds
Water line	8 5/8	ERW	23	x		1296	1296	315 sks.	
"	8 5/8	ERW	23	x		1296	1296	315 sks.	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	x		5514	5514	170 sks.	Depth set
									Perforations:
									Top Bottom
								4995 4999	
								5153 5406	

APPROVED  
SEP 18 1980

FLOW DATA  
Producing formation Alexander Pay zone depth 5153-5406 feet  
Gas: Initial open flow, \_\_\_\_\_ Mcf/d Oil: Initial open flow, \_\_\_\_\_ bbl/d  
Combined Final open flow, 381 Mcf/d Final open flow, \_\_\_\_\_ bbl/d  
Time of open flow between initial and final tests, 4 hours  
Static rock pressure, 1745 psig (surface measurement) after 72 hours shut in.  
[If applicable due to multiple completion--]

Second producing formation Benson Pay zone depth 4995-4999 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.

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

Alexander: Perforations: 5153-5406 (13 holes).  
Fracturing: 200 sks. 80/100 sand: 500 sks. 20/40 sand: 500 lbs. Acid:  
600 Bbls. fluid.

Benson: Perforations: 4995-4999 (13 holes)  
Fracturing: 150 sks. 80/100 sand: 500 sks. 20/40 sand: 250 lbs. Citric Acid:  
600 Bbls. fluid.

LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Cond.			0	25	
Sand			25	90	
Sand & shale			90	152	1/2" stream @ 120'
Coal			152	155	
Sandy shale			155	180	
Sand			180	200	
Sand & shale			200	625	
Sand			625	740	
Sandy shale			740	1145	
Sand			1145	1200	
Sandy shale			1200	1455	
Sand			1455	1505	
Sandy shale			1505	1645	
Sand			1645	1700	
Sandy shale			1700	1720	
Sand			1720	1740	
Sandy shale			1740	1970	
Little lime			1970	2045	
Shale			2045	2068	
Big Lime			2068	2140	
Sand			2140	2240	
Sandy shale			2240	2630	
Sand			2630	2670	
Sandy shale			2670	2820	
Sand & sandy shale			2820	3065	
Sand & sandy shale			3065	4125	
Sandy shale & brown sand			4125	4970	Ck. gas @ 4250 2/10 thru 2" w/water
Sandy shale			4970	4995	
Benson			4995	5010	
Brown sand			5010	5030	
Sandy shale			5030	5153	
Alexander			5153	5406	
Shaly sand			5406	5495	
Shale			5495	5435	
				F.D.	T.D. 5580-Drills Only 6573-Loggers Gas ck @ 5435 10/10 thru 2" w/water

(Attach separate sheets to complete as necessary)

J & J Enterprises, Inc.  
Well Operator  
By Peter Battles  
Peter Battles  
Geologist

E: 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."



THIS PERMIT MUST BE POSTED AT THE WELL SITE

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

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 2-5-81

Oil and Gas Division

*Robert T. [Signature]*  
Deputy Director - Oil & Gas Division

# OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner 93a: E. L. Merritt et ux - address unknown  
30a + 120 poles: Harold & Josephine Gains  
Mineral Owner Ed Orr et al address unknown  
Address Box 624, Tampa, FL 33601  
Coal Owner Willis G. Tetrick, Jr.  
Address (Maxwell Sutton and The Union National  
Coal Operator Bank of Clarksburg - Trustees)  
Address Union National Center West, Clarksburg  
WV 26201

DATE May 21, 1980  
Company Doran & Associates, Inc.  
Address 728 Washington Rd., Pgh., PA 15228  
Farm Ed Orr Acres 123.75  
Location (waters) Meathouse Fork  
Well No. 1 Elevation 1181  
District Greenbrier County Doddridge  
Quadrangle Big Issac 7 1/2

RECEIVED

JUN 2 1980

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR  
TO BE NOTIFIED Paul Garrett  
ADDRESS Clarksburg, WV 26301  
PHONE 304-622-3871

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 June 15 19 78 by Parkersburg National Bank made to Clarence W. Mutschelknaus and recorded on the 14th day of Dec. 19 78 in Doddridge County, Book 106 Page 188

XXX 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 this 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,  
(Sign Name) Donald R. Laughlin  
Well Operator  
Donald R. Laughlin  
728 Washington Road  
Street  
Pittsburgh,  
City or Town  
PA 15228  
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.

47-017-2748

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 \_\_\_\_\_

BLANKET BOND

