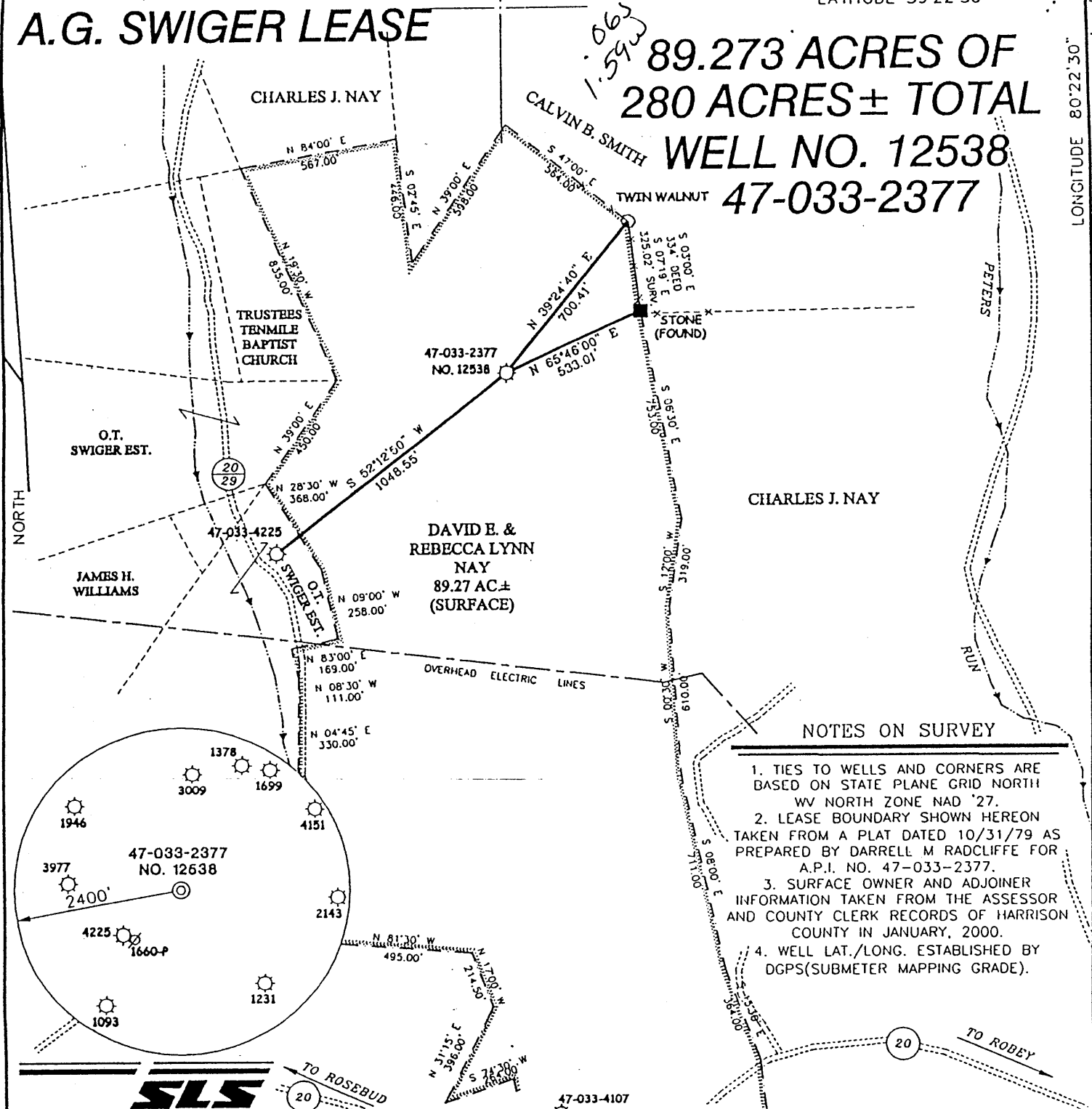


A.G. SWIGER LEASE

89.273 ACRES OF 280 ACRES ± TOTAL WELL NO. 12538 47-033-2377



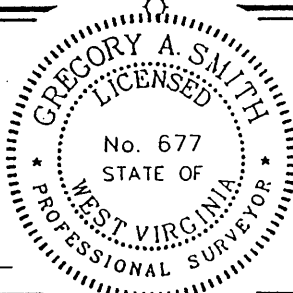
NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A PLAT DATED 10/31/79 AS PREPARED BY DARRELL M RADCLIFFE FOR A.P.I. NO. 47-033-2377.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF HARRISON COUNTY IN JANUARY, 2000.
4. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).



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.

P.S. 677 *Gregory A. Smith*



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

DATE FEBRUARY 7, 2000
 OPERATORS WELL NO. 12538
 API WELL NO. 47 - 033 - 2377F
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 4329P12538 (86-67)
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 1075' SCALE 1" = 500'

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS



WELL TYPE : OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

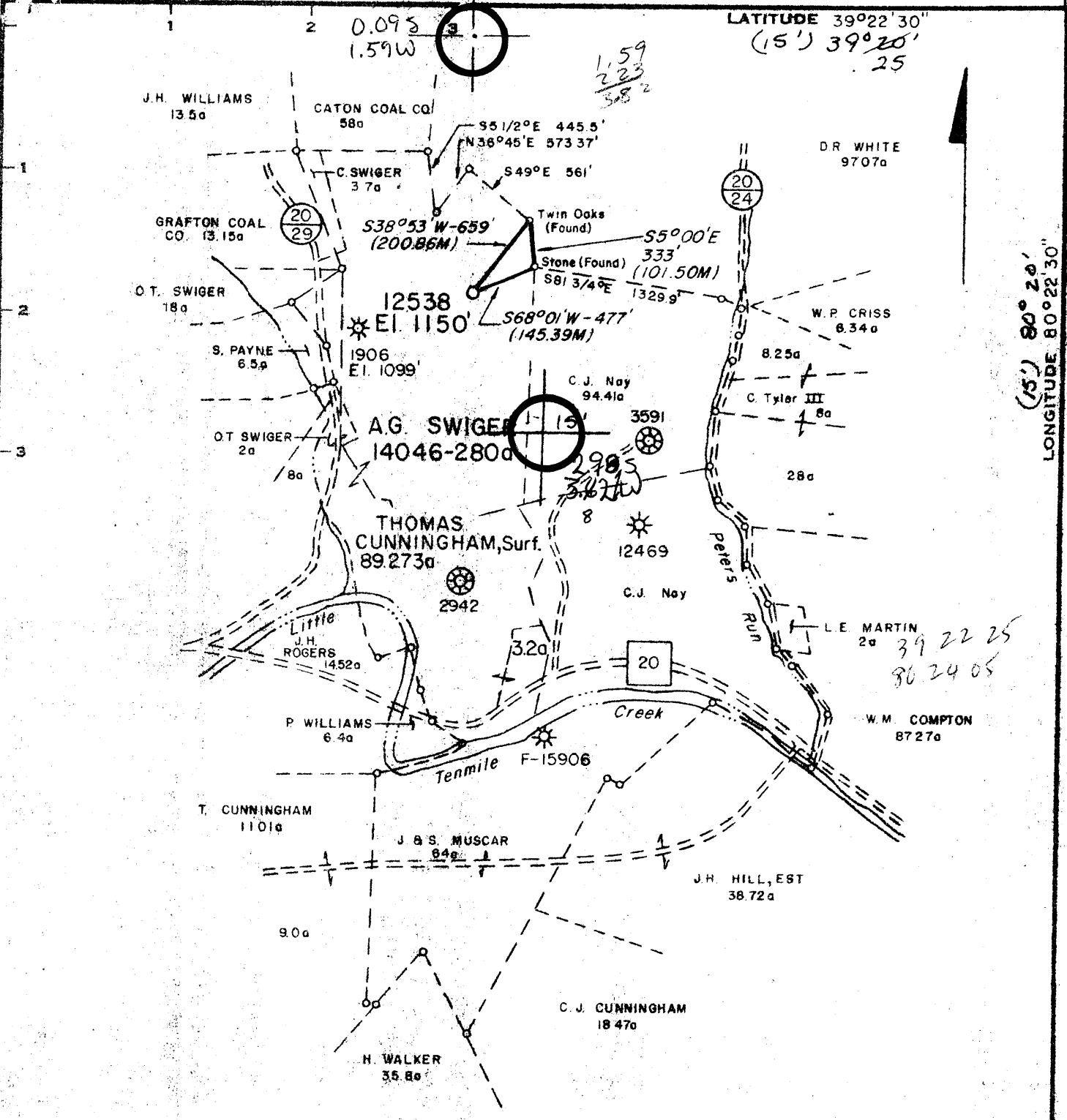
LOCATION :
 ELEVATION 1146' WATERSHED TRIBUTARY OF LITTLE TENMILE CREEK
 DISTRICT EAGLE COUNTY HARRISON QUADRANGLE WOLF SUMMIT 7.5'

SURFACE OWNER DAVID E. & REBECCA LYNN NAY ACREAGE 89.27
 ROYALTY OWNER ERNEST C. SWIGER et al LEASE ACREAGE 280

PROPOSED WORK : LEASE NO. _____
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER _____
 PHYSICAL CHANGE IN WELL (SPECIFY) WORKOVER TARGET FORMATION INJUN
 ESTIMATED DEPTH 2200'

WELL OPERATOR JACKSON FUEL CORPORATION DESIGNATED AGENT DAVID NICHOLS
 ADDRESS P.O. BOX 219 VOLGA, WV 26238 ADDRESS P.O. BOX 219 VOLGA, WV 26238

LONGITUDE 80°22'30" LAT. 39°22'30" COUNTY NAME HARR PERMIT 2377 F



Minimum Error of Closure 1' in 200'
 Source of Elevation B.M. Consolidated Gas Supply Corporation Well No 1906 El. 1099'
 "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 41 S6-E12

F.B. 1975 Pg. 24-25
 F.B. 1947 Pg. 2-7 & 11,12

Company GEORGE JACKSON
 Address Clarksburg, W. Va.
 Farm A.G. SWIGER (T. Cunningham, Surf.)
 Tract Acres 280 Lease No. 14046
 Well (Farm) No. _____ Serial No. 12538
 Elevation (Spirit Level) 1150' CLARKSBURG 15'
 Quadrangle Wolf Summit, W. Va. 7 1/2' - 1960 C
 County Harrison District Eagle
 Engineer Kennel M. Radcliffe
 Engineer's Registration No. L.L.S. #74
 File No. _____ Drawing No. _____
 Date 11-17-78 Scale 1"=1000'
 REVISED 10-31-79

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. 033-2377

+ 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.
 — Denotes one inch spaces on border line of original tracing.

3600' BALLTOWN



RECEIVED

AUG - 5 1980

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES OIL & GAS DIVISION
DEPT. OF MINES
Oil and Gas Division

WELL RECORD

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

Quadrangle Wolf Summit 7 1/2

Permit No. 47-033-2377

Company George Jackson
Address P.O. Box 1698, Clarksburg, W.Va.
Farm A. G. Swiger Acres 280
Location (waters) Tennant Creek
Well No. 12538 Elev. 1150
District Eagle County Harrison
The surface of tract is owned in fee by T. Cunningham
Address Lumberport, W.Va.
Mineral rights are owned by T. Cunningham
Address Lumberport, W.Va.
Drilling Commenced 6/13/80
Drilling Completed 6/23/80
Initial open flow show cu. ft. _____ bbls.
Final production 622 M cu. ft. per day _____ bbls.
Well open 48 hrs. before test 1380 RP.

Casing and Tubing	Used in Drilling	Losses in Well	Cement (all) Cu. ft. (Std.)
Size			
20-16			
Cond.			
13-10"	29.40	29.40	
9 5/8"			
8 5/8"	1,164.80	1,164.80	
7			
5 1/2			
4 1/2		3,420.60	
3			
2			
Liners Used			

Well treatment details:
1000- BHL. Water Acid & Sand

Attach copy of cementing record.

P.I. card purp @ 3298-3348

Coal was encountered at -0- Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Balltown Depth 3298

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Red Clay			0	5		
Shale			5	24		
Sand			24	70		
Shale			70	80		
Sand			80	129		
Red Rock			129	165		
Sand			165	195		
Shale			195	200		
Sand			200	240		
Red rock			240	280		
Sand			280	317		
Shale			317	335		
Sand			335	390		
Shale			390	405		
Sand			405	450		
Shale			450	472		
Sand			472	500		
Shale			500	530		
Sand			530	600		
Shale			600	635		
Sand			635	1050		
Shale			1050	1090		
Sand			1090	1100		

(over)

* Indicates Electric Log tops in the remarks section.

AUG 15 1980

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Shale			1100	1150		
Red Rock			1150	1215		
Shale			1215	1250		
Sand			1250	1260		
Red Rock			1260	1320		
Lime			1320	1345		
Red Rock			1345	1367		
Lime			1367	1450		
Sand			1450	1506		
Shale			1506	2070		
Sand			2070	2095		
Red Rock			2095	2190		
Sand			2190	2340		
Shale			2340	2363		
Sand			2363	2399		
Shale			2399	2440		
Sand			2440	2522		
Shale			2522	2755		
Sand			2755	2800		
Shale			2800	2875		
Sand			2875	2917		
Shale			2917	2985		
Sand			2985	2995		
Shale			2995	3095		
Sand			3095	3110		
Shale			3110	3467	T D	

Date August 4, 1980

APPROVED George Jackson, Owner

By [Signature]
(Title)



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MAY 19 1980

Blanket Bond
#420324

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 **April 30, 1980**

Surface Owner **T. Cunningham**
Address **Lumberport, W.Va. 26386**

Company **George Jackson**
Address **P.O. Box 1698, Clarksburg, W.Va. 26301**

Howard St. Ingego Maxwell, Apt. 225
C. Swiger, et al. Union Bank
Building, Clarksburg, W.Va. 26301

Farm **A.G. Swiger** Acres **200**

Coal Owner _____
Address _____

Location (waters) **Tennile Creek**
Well No. **12538** Elevation **1150'**

Coal Operation **No coal operations-stripped**
Address _____

District **Eagle** County **Harrison**

Quadrangle **Wolf Summit 7 1/2'**

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 1-23-81.

INSPECTOR **Paul Garrett**

TO BE NOTIFIED _____

ADDRESS **321 Beech, Clarksburg, W.Va. 26301**

PHONE **622-3871,**

Robert T. [Signature]
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 **December 21 19 08** by **A.G. Swiger** made to **Hope Natural Gas Co.** and recorded on the **21** day of **December 08 Harrison 176**. **This is a joint drilling venture between Consolidated Gas Supply Corp. & George Jackson**

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 **same** 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

Very truly yours,
(Sign Name) *George Jackson*
George Jackson
P.O. Box 1698
Street
Clarksburg
City or Town
West Virginia 26301
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

47-033-2377

PERMIT NUMBER

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

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Hugh Spencer _____ NAME George Jackson _____
 ADDRESS West Union, W.Va. 26456 _____ ADDRESS P.O. Box 1698, Clarksburg, W.Va _____
 TELEPHONE 873-1602 _____ TELEPHONE 624-6861 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 3,600 _____ ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Balltown _____
 TYPE OF WELL: OIL _____ GAS COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10	20 ft.		
9 - 5/8			
8 - 5/8	1,200 ft.	1,200 ft. cemented to surface	
7			
5 1/2			
4 1/2	3,450 ft.		
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 50 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