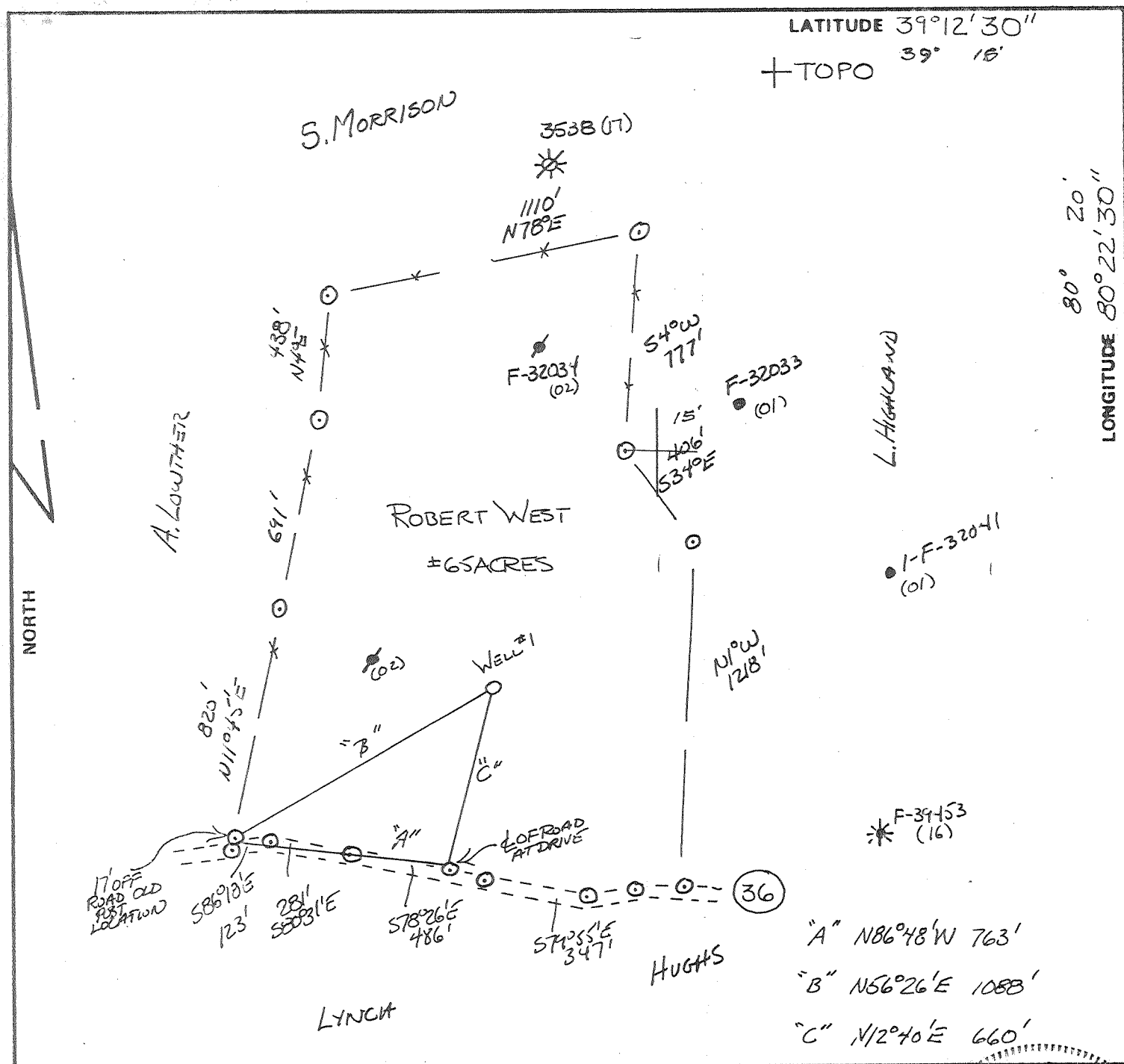


← 4900' →

LATITUDE 39°12'30"

+ TOPO 39° 18'

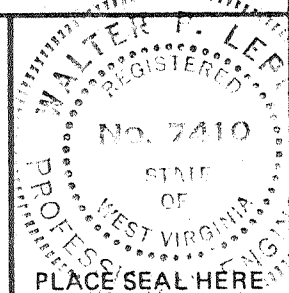
LONGITUDE 80° 22' 30"



"A" N86°48'W 763'
 "B" N56°26'E 1088'
 "C" N12°40'E 660'

FILE NO. 7-15-81
 DRAWING NO. 7-15-81
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION 4 OF ROADS
±1000' (SW) (1047)

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. Leep
 R.P.E. 7410 L.L.S. _____



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



DATE 7-15-1981, 19__
 OPERATOR'S WELL NO. _____
 API WELL NO. _____
47 - 033 - 2669-REN
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

Cancelled

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1032 WATER SHED WEST FORK RIVER
 DISTRICT UNION COUNTY HARRISON
 QUADRANGLE WEST MILFORD 7 1/2
 SURFACE OWNER ROBERT WEST ACREAGE 14.1
 OIL & GAS ROYALTY OWNER ROBERT WEST LEASE ACREAGE 65
 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 5TH SAND ESTIMATED DEPTH 2700
 WELL OPERATOR HYDROCARBON ENERGIES, INC DESIGNATED AGENT AL SORAN
 ADDRESS RT #4 Box 444 BUCKHANNON W.Va. ADDRESS RT 4 Box 444 BUCKHANNON W.V.

FEB 3 1987

LATITUDE 39°12'30"
39° 15'

TOPO
0165
0.13W

S. MORRISON

3538 (17)

1110'
N78°E

F-32034
(02)

54°W
777'

F-32033
(01)

L. HIGHLAND

A. LOWMEYER

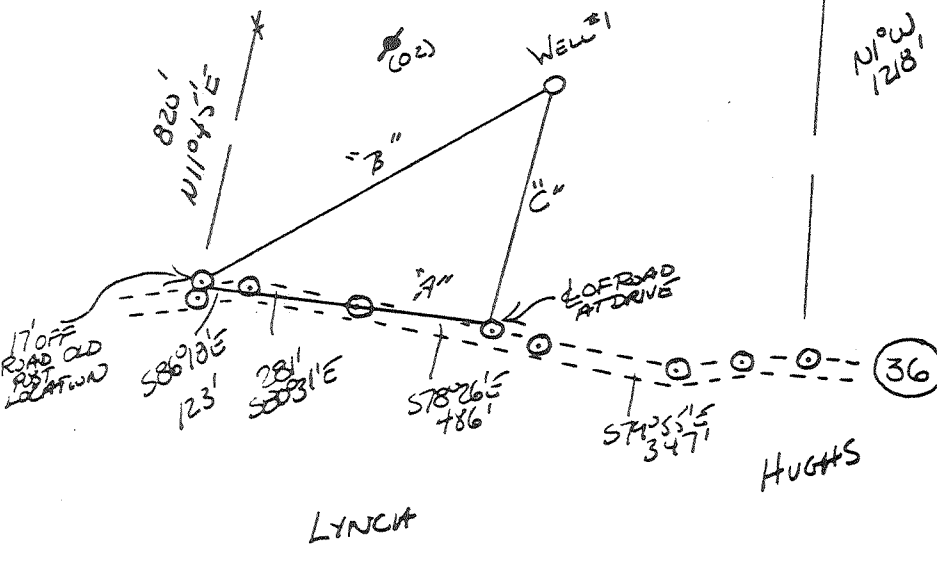
ROBERT WEST
≈ 65 ACRES

corrected 15' loc
3.04S
3.20W
3.16W

F-32041
(01)

NORTH

LONGITUDE 80°22'30"
80° 20'



"A" NB6°48'W 763'
"B" NS6°26'E 1088'
"C" N12°40'E 660'

FILE NO. 7-15-81
DRAWING NO. 7-15-81
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 IN 200
PROVEN SOURCE OF ELEVATION LOFF ROADS
±1000' (SW) (1047)

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) G. Hall P. Lepit
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 7-15-1981, 19__
OPERATOR'S WELL NO. _____
API WELL NO. _____
47 - 033 - 2669
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 1032 WATER SHED WEST FORK RIVER
DISTRICT UNION COUNTY HARRISON
QUADRANGLE WEST MILFORD 7 1/2 WESTON 15' NW
SURFACE OWNER ROBERT WEST ACREAGE 14.1
OIL & GAS ROYALTY OWNER ROBERT WEST LEASE ACREAGE 65
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 A, D ESTIMATED DEPTH 2700
WELL OPERATOR HYDROCARBON ENERGIES INC. DESIGNATED AGENT
ADDRESS RT#4 Box 444 BUCKHANNON W. Va. ADDRESS RT#4 Box 444

OCT 08 1981



Date: August 9, 1982

Operator's Well No. #1

API Well No. 47 033 2669-REN.
State County Permit

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

WELL TYPE: Oil / Gas xx /
(If "Gas", Production xx / Underground storage / Deep / Shallow x /)

LOCATION: Elevation: 1032 Watershed: West Fork River
District: Union County: Harrison Quadrangle: West Milford

WELL OPERATOR Hydrocarbon Energies, Inc DESIGNATED AGENT Alvin Sorcan
Address P.O. Drawer 976 Address P.O. Drawer 976
Buckhannon, WV 26201 Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER Robert West
Address Rt. 5, Box 621
Clarksburg, WV 26301

COAL OPERATOR
Address

Acresage
SURFACE OWNER Robert West
Address Rt. 5, Box 621
Clarksburg, WV 26301
Acresage 65

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Robert West
Address Rt. 5, Box 621
Clarksburg, Wv 26301
Name
Address

FIELD SALE (IF MADE) TO:
Address

COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Stephen Casey
Address Rt. 2, Box 232-D
Jane Lew, WV

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease x other contract / dated 9/20, 1980, to the undersigned well operator from Robert West

(If said deed, lease, or other contract has been recorded:)
Recorded on 11/21, 1980, in the office of the Clerk of the County Commission of Harrison County, West Va., in Book 1097 at page 1133. A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper / Redrill xx / Fracture or stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify)

—planned as shown on the work order on the reverse side hereof.

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.

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.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

RECEIVED

AUG 13 1982

OIL & GAS DIVISION
DEPT. OF MINES

BLANKET BOND

Hydrocarbon Energies, Inc.

Well Operator

By Alvin Sorcan
Its President

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) _____

Address _____

GEOLOGICAL TARGET FORMATION, 5th Sand

Estimated depth of completed well, 2700 feet Rotary _____ / Cable tools xx /

Approximate water strata depths: Fresh, 30 feet; salt, _____ feet.

Approximate coal seam depths: 115 Is coal being mined in the area? Yes _____ / No x /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			New	Used	FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft			For drilling	Left in well		
Conductor	11 3/4					XX			Kinds
Fresh Water									
Coal									Sizes
Intermediate	8 5/8		23	x			1200	200 sks	
Production	4 1/2		10 1/2	x			2700	350 Sks.	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: 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.

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.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.

ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,

ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR Drilling Renewed. THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 4-27-83.

BY [Signature]

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 _____

Oil and Gas Division

SEP 16 1981

OIL AND GAS WELL PERMIT APPLICATION

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

DATE July 24, 1981
Company Hydrocarbon Energies, Inc.
Address Rt. 4, Box 444, Buckhannon WV 26
Farm Robert West Acres 65
Location (waters) West Fork River
Well No. # 1 Elevation 1032
District Union County Harrison
Quadrangle West Miford

Surface Owner Robert West
Address Rt. 5, Box 621, Clarksburg, WV 26301
Mineral Owner Robert West
Address Rt. 5, Box 621, Clarksburg, WV
Coal Owner Robert West
Address Same as above
Coal Operator _____
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 5-24-82.

INSPECTOR
TO BE NOTIFIED Stephen Casey
ADDRESS Rt. 2, Box 232-D, Jane Lew, WV
PHONE 884-7470

Jeff B. Burdette
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 Sept 20 1980 by Robert West made to Hydrocarbon Energies, and recorded on the 21st day of Nov 1980 in Harrison County, Book 1097 Page 1133
NEW WELL DRILL DEEPER REDRILL XX 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

Rt. 4, Box 444
Street
Buckhannon, WV 26201
City or Town
WV 26201
State

Very truly yours,
(Sign Name) Alvin Sorcin
Well Operator

47-033-2669

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

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

PROPOSED WORK ORDER TO Redrill DRILL _____ DEEPEN XX FRACTURE-STIMULATE
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME Al Sorcan
 ADDRESS _____ ADDRESS Rt. 4, Box 444, Buckhannon WV
 TELEPHONE _____ TELEPHONE 472-0007
 ESTIMATED DEPTH OF COMPLETED WELL: 2700 ROTARY _____ CABLE TOOLS XX
 PROPOSED GEOLOGICAL FORMATION: 5th Sand
 TYPE OF WELL: OIL _____ GAS _____ COMB. XX 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			
9 - 5/8			
8 - 5/8			
7			
5 1/2			
4 1/2		2700	200 SKs
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 30 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 115
 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 ~~at least~~ 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