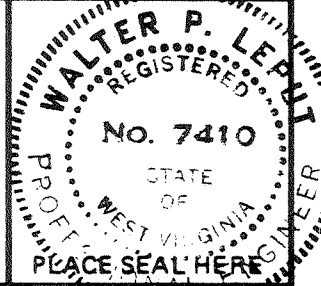


FILE NO. 7-10-82
 DRAWING NO. 7-10-82
 SCALE 1"=600'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION Q OF ROADS
500' SW (B62)

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.



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



DATE JULY 10
 OPERATOR'S WELL NO. #1
 API WELL NO. 47-017-3121-DD
 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 1010 WATER SHED NOTTER FORK
 DISTRICT WEST UNION COUNTY DODDRIDGE
 QUADRANGLE WEST UNION 7 1/2 415 EC
 SURFACE OWNER FLORA MARTIN ACREAGE 86.7
 OIL & GAS ROYALTY OWNER FLORA MARTIN LEASE ACREAGE 86.7
 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 ELK ESTIMATED DEPTH 5500
 WELL OPERATOR HYDROCARBON ENERGIES DESIGNATED AGENT Alvin Dreyer
 ADDRESS P.O. DRAWER 976 ADDRESS P.O. DRAWER 976
Buckhannon WV 26201 Buckhannon WV 26201

JUL 26 1982



Date: July 14, 1982

Operator's Well No. #1

API Well No. 47 017 3121-DD

State County Permit

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

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

LOCATION: Elevation: 1010 Watershed: Nutter Fork

District: West Union County: Doddridge Quadrangle: West Union 7.5

WELL OPERATOR Hydrocarbon Energies, Inc. DESIGNATED AGENT Alvin Sorcan

Address P.O. Drawer 976
Buckhannon, WV 26201

Address P.O. Drawer 976
Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER Flora Martin

Address Rt. 2, Box 308
West Union, WV 26456

Acreage 86.7

COAL OPERATOR

Address

SURFACE OWNER Flora Martin

Address Rt. 2, Box 308
West Union, WV 26456

Acreage 86.7

COAL OWNER(S) WITH DECLARATION ON RECORD:

Name Flora Martin

Address Rt. 2, Box 308
West Union, WV 26456

FIELD SALE (IF MADE) TO:

Address

Name

Address

OIL & GAS INSPECTOR TO BE NOTIFIED

Name Stephen Casey

Address Rt. 2, Box 232D
Jane Lew, WV 26378

COAL LESSEE WITH DECLARATION ON RECORD:

Name

Address

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease
other contract / dated , 19 , to the undersigned well operator from

(IF said deed, lease, or other contract has been recorded:)
Recorded on , 19 , in the office of the Clerk of the County Commission of County, West
Va., in Book at page . A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper X / Redrill / 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 COMMIS-
SION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

Hydrocarbon Energies, Inc.
Well Operator
By Alvin Sorcan
Its

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, ELK

Estimated depth of completed well, 5500 feet Rotary X / Cable tools _____ /

Approximate water strata depths: Fresh, 30 feet; salt, 660 feet.

Approximate coal seam depths: 665 Is coal being mined in the area? Yes _____ / No X /

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	Kinds	Sizes
Conductor	11 3/4				X	30				
Fresh Water										
Coal										
Intermediate	7"					± 1900	± 1900	Old casing		
Production	4 1/2		10 1/2	X		5500	5500	600 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 deeper. THIS PERMIT SHALL EXPIRE
IF OPERATIONS HAVE NOT COMMENCED BY 3-16-83.
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 _____

[Handwritten signature]