



1) Date: January 24, 19 84
 2) Operator's Well No. Wilcox # 1
 3) API Well No. 47 - 033 - 2984
 State County Permit

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

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1001 Watershed: West Fork River
 District: Clay County: Harrison Quadrangle: Clarksburg
- 6) WELL OPERATOR Hydrocarbon Energies, Inc. 7) DESIGNATED AGENT Alvin Sorcan
 Address P. O. Drawer 976 Address Rt. 4, Box 444
Buckhannon, WV 26201 Buckhannon, wV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Steve Casey
 Address Jane Lew 884-7470
- 9) DRILLING CONTRACTOR: Name
 Address
- 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, 5th Sand
- 12) Estimated depth of completed well, 2800 feet
- 13) Approximate trata depths: Fresh, 15,30 feet; salt, feet.
- 14) Approximate coal seam depths: 70,175, Is coal being mined in the area? Yes No
- 15) CASING AND TUBING PROGRAM

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 OIL & GAS DIVISION
 DEPT. OF MINES

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	11 3/4					35			Kinds
Fresh water									
Coal	8 5/8		23	X		1125	1125	to surface	NEAT
Intermediate	8 5/8		23	X		1125	1125	to surface	
Production	4 1/2		10 1/2	X			2800	300 sks.	Depths set
Tubing									OR AS REG. BY RULE 15.01
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-033-2984 Date February 23, 19 84

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 February 23, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond	Agent: <u> </u>	Plat: <u> </u>	Casing <u> </u>	Fee <u>311</u>
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Margaret J. Hass
 Administrator, Office of Oil and Gas

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

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File

(2/8/84)
 2/21



OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1) LOCATION: B (II "G", Production) Well No. _____
 Elevation: _____
 District: _____
 County: _____
 Quarter: _____
 Designated Agent: _____
 Address: _____

2) WELL OPERATOR: _____
 Address: _____

3) DRILLING CONTRACTOR: _____
 Name: _____
 Address: _____

4) ON & GAS INSPECTOR TO BE NOTIFIED: _____
 Name: _____
 Address: _____

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DEPT. OF MINES
OIL & GAS DIVISION

5) PROPOSED WELL WORK: Drill _____
 Perform new formation _____
 Other physical change in well (specify): _____

6) GEOLOGICAL TARGET FORMATION: _____

7) Estimated depth of completed well: _____
 Approximate true depth: _____
 Approximate coal seam depth: _____
 Is coal being mined in the area? Yes _____

8) CASING AND TUBING PROGRAM

Casing or Tubing Type	Size	Grade	SPECIFIC GRAVITY		Foot	New	Foot	Foot	Foot
			Weight per ft.	Volume					
Conductor	4 1/2"				35				
Production	8 1/2"				115				
Intermediate	8 1/2"				115				
Coal	8 1/2"				115				
Production	4 1/2"				300				

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: _____

Reason: _____

MARKET	Agent	Plant	Gains	Fee

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, 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 § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book Page
-----------------------	-----------------------	---------	-----------

John Wilcox (et ux)

Hydrocarbon Energies

1/8

to be recorded



1) Date: JANUARY 24, 1983
2) Operator's Well No. Wilcox #1
3) API Well No. 47-033-2984
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED

- (i) Name John Wilcox
Address 615 Linda Ave
Blackwood N.J. 08612
- (ii) Name Lowell Brookover (LEASES SURFACE)
Address G-ipsy W.VA. 26361
- (iii) Name Martha A. Martin
Address 5031 S.W. 139 COURT
MIAMI FLA 33175

5(i) COAL OPERATOR

Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:

Name Clay Development Co.
Address P.O. Box 386
Shinnston W.V.

Name Consolidation Coal Co.
Address P.O. Box 1314
Maryanstown W.V. 26505

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:

Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

6) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
- The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

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FEB 2 - 1984

OIL & GAS DIVISION
DEPT. OF MINES

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

ALVIN SORCEAN - PRESIDENT
this 24 day of JANUARY, 1984.
My commission expires 12/20, 1990.

Bonnie A. Jensen
Notary Public, Upshur County,
State of W.VA.

WELL

OPERATOR Hydrocarbon ENERGIES INC

By Alvin Sorcean
Its President

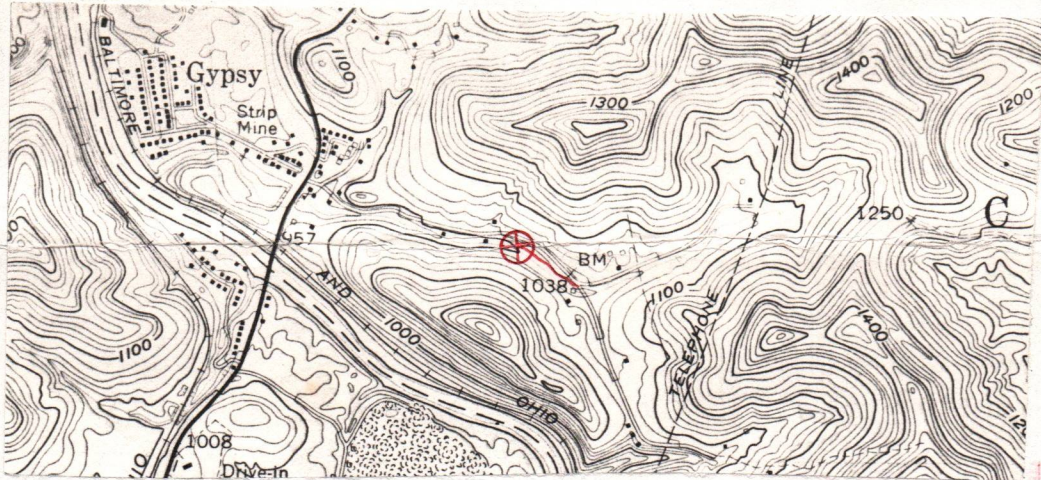
Address P.O. DRAWER 976

Buckhannon W.V. 26201

Telephone (304) 472-9600

ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE CLARKSBURG 7 1/2

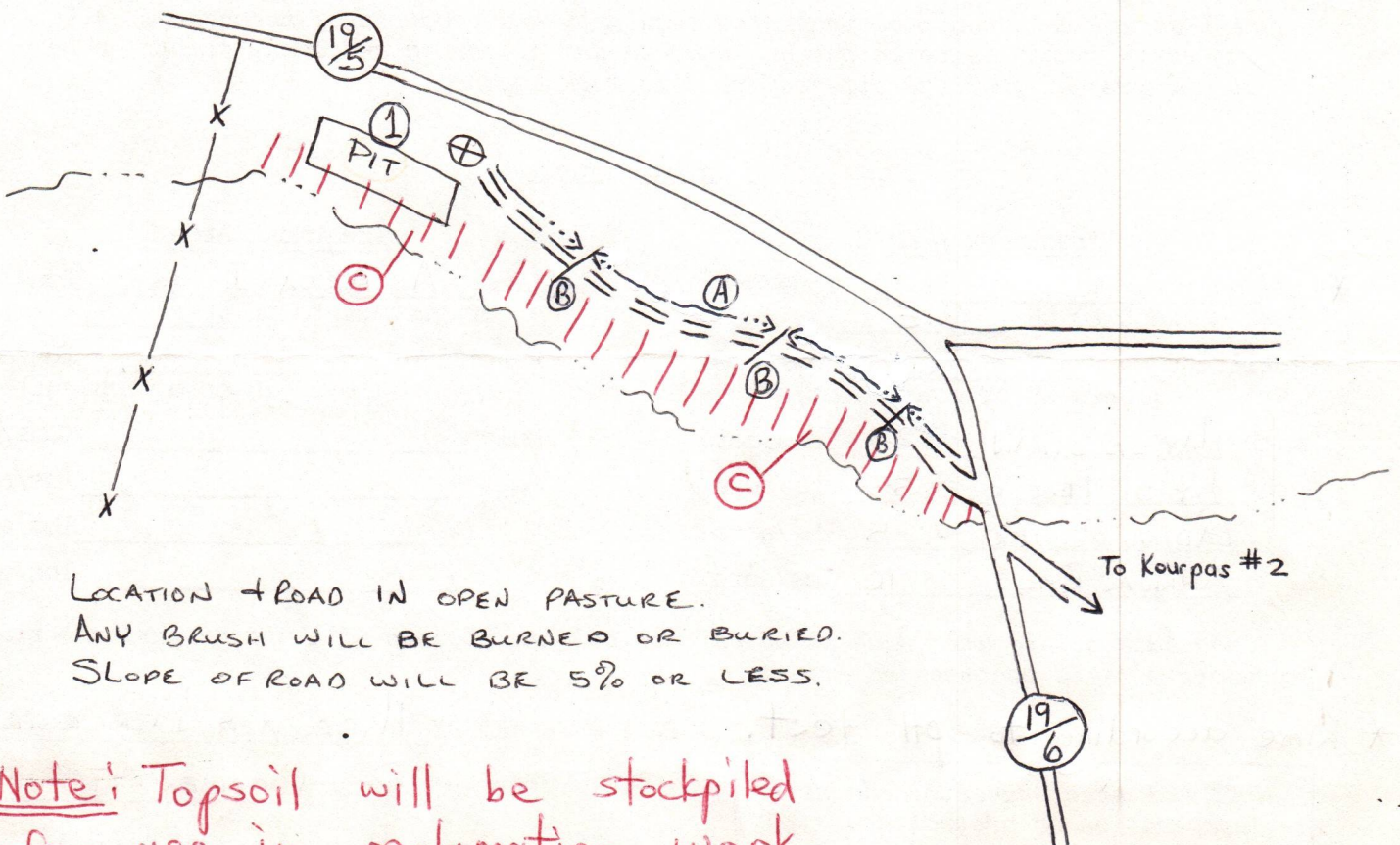
LEGEND	
Well Site	
Access Road	



WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND			
Property boundary		Diversion	
Road		Spring	
Existing fence		Wet spot	
Planned fence		Building	
Stream		Drain pipe	
Open ditch		Waterway	



LOCATION + ROAD IN OPEN PASTURE.
ANY BRUSH WILL BE BURNED OR BURIED.
SLOPE OF ROAD WILL BE 5% OR LESS.

Note: Topsoil will be stockpiled
for use in reclamation work.

RECEIVED

IV-9
(Rev. 8-81)

FEB 10 1984



State of West Virginia

Department of Mines
Oil and Gas Division

DATE 1-23-84

WELL NO. WILCOX #1

API NO. 47-033-2984

J. Wilcox #1 35 Ac.

OIL & GAS DIVISION
DEPT. OF MINES

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME HYDROCARBON ENERGIES, INC.

Address P.O. Box 976, BUCKHANNON, W.V.

Telephone 472-9600

LANDOWNER JOHN WILCOX

Revegetation to be carried out by AL SORCAN (Agent)

DESIGNATED AGENT AL SORCAN

Address BUCKHANNON, W.V.

Telephone 472-9600

SOIL CONS. DISTRICT WEST FORK

This plan has been reviewed by West Fork SCD. All corrections and additions become a part of this plan: 2/6/84 (Date)

THIS REVIEW IS MADE FOR SITE AS SHOWN. A CHANGE OF ELEVATION OF PLUS OR MINUS 10 FT. OR SLOPE OF PLUS OR MINUS 3 PERCENT MAKES THIS PLAN NOT ACCEPTABLE TO WFSCD.

Kenneth E Knight
(SCD Agent)

ON SITE REVIEW
2/1/84

ACCESS ROAD

LOCATION

Structure DRAIN DITCH (A)

Spacing ALONG SIDE OF ROAD
(Inside road cuts)

Page Ref. Manual 2-12

Structure DRILLING PIT (1)

Material EARTH

Page Ref. Manual N/A

Structure CULVERT OR BREAKERS (B)
(at natural drains) or (according to Oil & Gas Manual)

Spacing 12 OR 100

Page Ref. Manual 2-7 2-4

Structure _____ (2)

Material _____

Page Ref. Manual _____

Structure Filter Strip (C)

Material undisturbed natural vegetation

Page Ref. Manual 2-16

Structure _____ (3)

Material _____

Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

Treatment Area II

*Lime _____ Tons/acre
or correct to pH 6.5

*Lime AS AREA I Tons/acre
or correct to pH _____

Fertilizer 600 lbs/acre
(10-20-20 or equivalent)

Fertilizer _____ lbs/acre
(10-20-20 or equivalent)

Mulch HAY OR STRAW 2 Tons/acre

Mulch _____ Tons/acre

Seed* KY 31 FESCUE 35 lbs/acre

Seed* _____ lbs/acre

LADINO CLOVER 5 lbs/acre

_____ lbs/acre

ANNUAL RYE 10 lbs/acre

_____ lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

*Lime according to pH test.

PLAN PREPARED BY HYDROCARBON ENERGIES, INC.

ADDRESS P.O. DRAWER 976

BUCKHANNON, W.V.


PHONE NO. 472-9600


NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

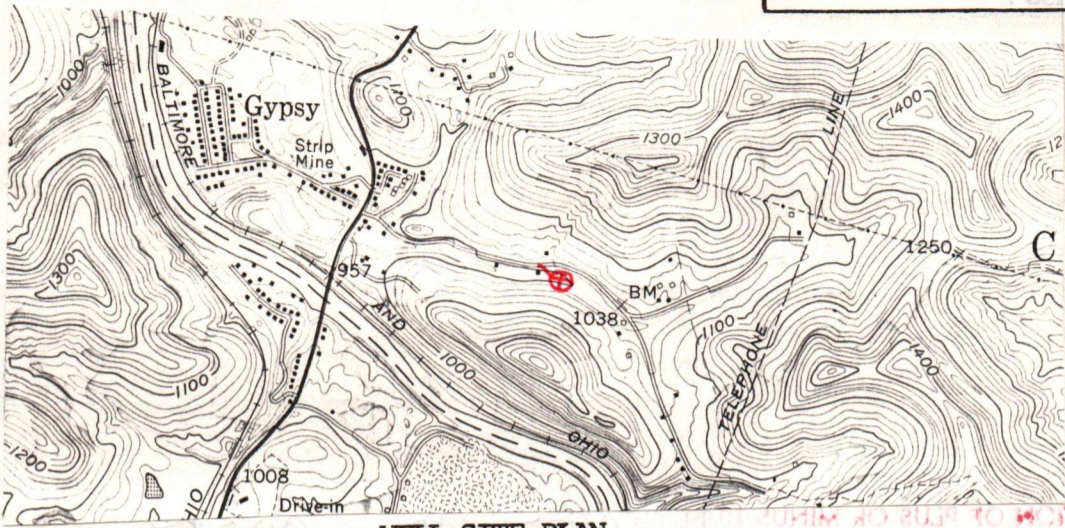
IV-9 REVERSE
(REV 8-81)

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE CLARKSBURG 7 1/2

LEGEND

Well Site 



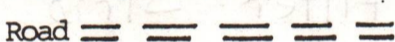






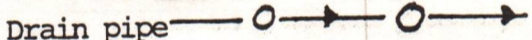
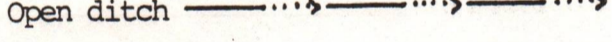
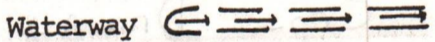
Access Road 

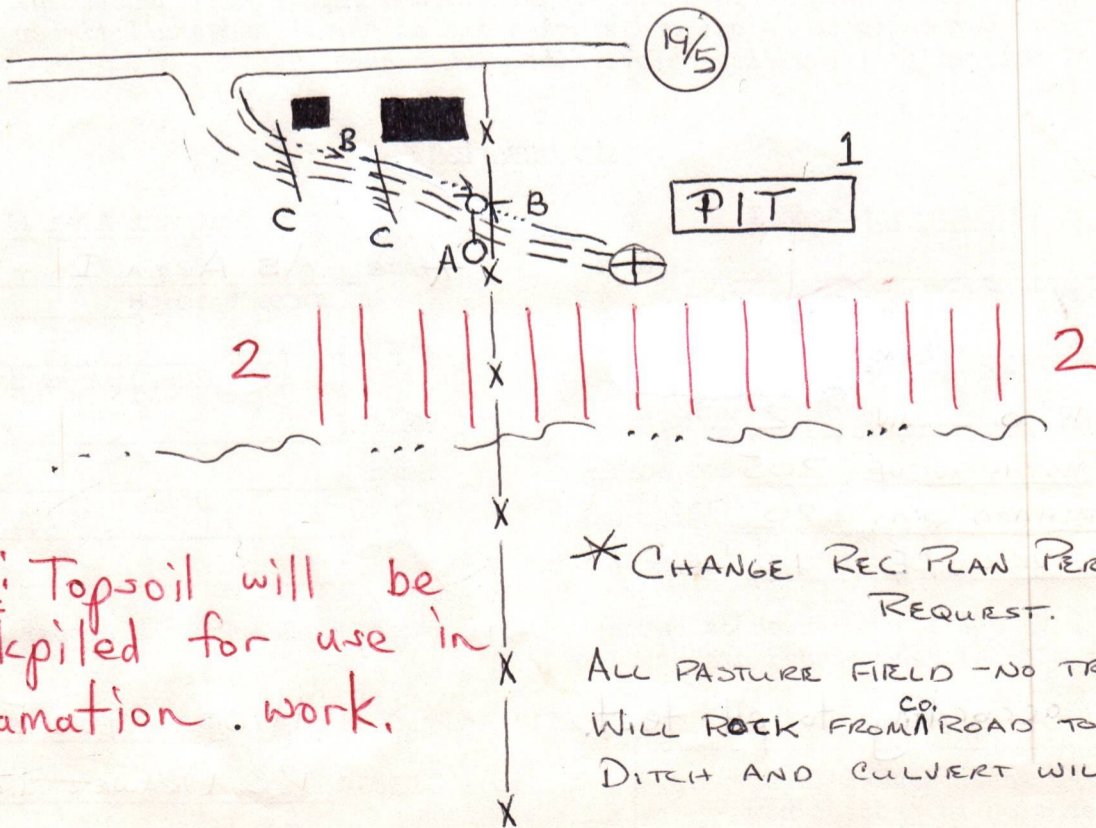


WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

Property boundary 	Diversion 
Road 	Spring 
Existing fence 	Wet spot 
Planned fence 	Building 
Stream 	Drain pipe 
Open ditch 	Waterway 



Note: Topsoil will be stockpiled for use in reclamation work.

* CHANGE REC. PLAN PER LAND OWNER REQUEST.

ALL PASTURE FIELD - NO TREES OR BRUSH
WILL ROCK FROM ^{CO.} ROAD TO LOCATION.
DITCH AND CULVERT WILL BE MAINTAINED



RECEIVED

IV-9 (Rev 8-81)

MAY 24 1984

DATE 5-7-84
WELL NO. Wilcox #1
API NO. 47-033-2984

Rec'd. (WF SCD) OIL & GAS DIVISION State of West Virginia
DEPT. OF MINES Department of Mines
MAY 16 1984 Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME HYDROCARBON ENERGIES, INC. DESIGNATED AGENT ALVIN SORCAN
Address BUCKHANNON, W.V. Address BUCKHANNON, W.V.
Telephone 472-9600 Telephone 472-9600
LANDOWNER JOHN WILCOX SOIL CONS. DISTRICT WEST FORK
Revegetation to be carried out by ALVIN SORCAN (Agent)

This plan has been reviewed by West Fork SCD. All corrections and additions become a part of this plan: 5/22/84 (Date)

THIS REVIEW IS MADE FOR SITE AS SHOWN. A CHANGE OF ELEVATION OF PLUS OR MINUS 10 FT. OR SLOPE OF PLUS OR MINUS 3 PERCENT MAKES THIS PLAN NOT ACCEPTABLE TO WFSCD.

Kenneth E Knight ON SITE REVIEW
(SCD Agent) 5/16/84

ACCESS ROAD

LOCATION

Structure CULVERT (A)
(according to Oil & Gas Manual) (at natural drains)
Spacing 18 min. I.D.
Page Ref. Manual 2-7

Structure Drilling Pit (1)
Material Earthen
Page Ref. Manual N/A

Structure DRAINAGE DITCH (B)
(Inside road cuts)
Spacing ALONG SIDE OF ROAD
Page Ref. Manual 2-12

Structure Filter Strip (2)
Material undisturbed natural vegetation
Page Ref. Manual 2-16

Structure Cross Drains (C)
Spacing 60' apart
Page Ref. Manual 2-4

Structure _____ (3)
Material _____
Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

Treatment Area II

*Lime _____ Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch HAY OR STRAW 2 Tons/acre
Seed* KY 31 FESCUE 35 lbs/acre
LADINO CLOVER 5 lbs/acre
ANNUAL RYE 10 lbs/acre

*Lime AS AREA I Tons/acre
or correct to pH _____
Fertilizer _____ lbs/acre
(10-20-20 or equivalent)
Mulch _____ Tons/acre
Seed* _____ lbs/acre
_____ lbs/acre
_____ lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

*Lime according to pH test. PLAN PREPARED BY HYDROCARBON ENERGIES, INC.

NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

ADDRESS P.O. DRAWER 976
BUCKHANNON, W.V. 26201
PHONE NO. 472-9600

RECEIVED

FEB 10 1984

OIL & GAS DIVISION
DEPT. OF MINES

OIL and GAS LEASE

THIS AGREEMENT made and entered into this the 4th day of November,
19 83, by and between John C. Wilcox and Patricia F. Wilcox (wife),
Martha A. Martin (widow)

hereinafter called Lessor (whether one or more), and hereinafter called Lessee,
HYDROCARBON ENERGIES, INC.
64 1/2 E. MAIN STREET, P.O. DRAWER 976
BUCKHANNON, WV 26201

WITNESSETH, that said Lessor, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt of which is hereby acknowledged, and of the covenants hereinafter contained on the part of said Lessee, to be paid, kept and performed, has granted, demised, leased and let, exclusively unto Lessee, with covenants of general warranty, for the purpose and with the rights of drilling, producing, and otherwise operating for oil and gas, and of laying pipe lines and building tanks, roads, stations, and electric power lines, houses for valves, meters, regulators and other appliances, with all other rights and privileges necessary, incident to or convenient for the operation of this land alone and conjointly with neighboring lands, all that certain

tract of land situate in the Township of Clay District, County of HARRISON,
State of West Virginia, and bounded substantially (now or formerly) as follows:

On the North by lands of MARTIN, Vast
On the East by lands of KOURPAS
On the South by lands of McIntyre
On the West by lands of BROOKOVER

and containing, for the purpose of calculating rentals, 35 acres of land whether actually containing more or less; and part of all of said land is described in that certain deed to Lessor from M. MARTIN dated 5/22/50

recorded in Book 691, Page 510, in the Recorder's Office of said County.

1. It is agreed that this lease shall remain in force for a primary term of 1 (ONE) years from the date hereof and as long thereafter as the said land is operated by Lessee in the production of oil or gas.

2. (a) Lessee covenants and agrees to deliver to the credit of Lessor, his heirs or assigns, free of costs, in the pipe line to which said Lessee may connect its wells, a royalty of one-eighth (1/8) of native oil produced and saved from the leased premises.

(b) Lessee covenants and agrees to pay Lessor as a royalty for the native gas from each and every well drilled on said premises producing native gas, an amount equal to one-eighth (1/8) of the gross proceeds received from the sale of same at the prevailing price for gas sold at the well, for all native gas saved and marketed from the said premises, payable quarterly.

3. If Lessee shall not have either begun operations for the commencement of a well on the premises within 60 days from the date hereof Lessee agrees to pay to the Lessor the sum of THREE-Hundred - Fifty - 00/100's - DOLLARS (\$ 350.00) annually, commencing 60 days

from date as a rental for 12 months such commencement is delayed, subject however to the right of cancellation hereinafter granted to Lessee, and it is understood and agreed that the rental as hereinbefore provided for is the chief consideration until commencement of a well. The commencement of a well shall, however, be and operate as a full liquidation of all rentals thereafter accruing under this provision of this lease during the remainder of the term hereof. In the event of completion of a commercially unproductive well on the Premises the Lessee shall be under no obligation to make delay rental payments for a period of one year following the completion of such well. At the expiration of this rental free period, Lessee may continue to hold this lease for such further term as it may desire, not to exceed the primary term thereof, upon the payment of the rentals above mentioned. Lessee may, at its option, pay rentals quarterly or annually.

4. 1/2 of All payments under this lease shall be made by check or voucher to the order of John C. and/or Patricia Wilcox, mailed to 615 Linda Ave, Blackwood N.J. 08012

until the Lessee shall have written notice from the Lessor, its heirs or assigns, accompanied by original or certified copies of deeds or other documents as Lessee may require evidencing such change of ownership directing payments to be made otherwise, and any payments made as above until such direction, and thereafter in accordance with such direction shall absolve the Lessee from any liability to any heir or assign of the Lessor. All payments of royalty are to be made according to Lessor's respective interests therein, as hereafter set forth, and this lease shall not be forfeited for Lessee's failure to pay any rentals or royalties until Lessee has received written notice by registered mail of such default and shall fail, for a period of thirty (30) days after receipt of such notice to pay same.

44 1/2 of all payments under this lease shall be made to Mrs. Martha A. Martin, mailed to 5031 S.W. 139 Court Miami, Fla. 33175 as provided for in section 4.

5. Lessor excepts and reserves a total amount of 200,000 cubic feet of gas annually or such part thereof as Lessor may use each year from the gas that Lessee may hereafter produce or otherwise have available from one gas production well completed and operated by Lessee hereunder upon the leased premises, which said amount of 200,000 cubic feet of gas per year Lessor shall be entitled to receive free of cost for heat and light in one dwelling house on the leased premises when and as long as Lessee may elect to produce or operate a well for the aforesaid purposes upon the leased premises, by Lessor laying the necessary lines and making connections at Lessor's cost at such point on the demised premises as may be designated by the Lessee, provided said gas is used with economical appliances and is measured by meter furnished by Lessee. The regulation of such gas will be by regulators furnished by Lessor, and approved by Lessee, placed at a point designated by Lessee, with said gas to be used at Lessor's own risk and Lessee not to be in any way liable for any interruption or insufficient supply of such gas for said domestic use caused by pumping stations, breakage of lines or otherwise, and nothing here-in shall prevent the Lessee from abandoning any well or wells or pipelines on the leased premises and removing the pipe therefrom at any time. If more than 200,000 cubic feet per year is used, the excess shall be paid for at the rate charged to domestic consumers in the same area, and in case of default in payment for gas used in excess of said 200,000 cubic feet, Lessee is hereby authorized to deduct the amount thereof from any royalty or other payments that are then due, or may later become due, under the terms of this lease.

6. In addition to the covenants of general warranty hereinabove contained, Lessor further covenants and agrees, that if Lessor's title to the leased premises shall come into dispute or litigation, or, if, in the judgment of Lessee, there are bona fide adverse claims to the rentals or royalties hereinabove provided for, then Lessee, at its option, may withhold the payment of said rentals or royalties until final adjudication or other settlement of such dispute, litigation, claim or claims; and that Lessee, at its option, may pay and discharge any taxes, mortgages or other lien or liens, existing, levied, assessed or which may hereafter come into existence or be levied or assessed on or against the leased premises, and, in the event it exercises such option, Lessee shall be subrogated to the lien and any and all rights of any holder or holders thereof, and may reimburse itself by applying to the discharge of any such mortgage, tax, or other lien or liens, any rental or royalty accruing hereunder.

7. If an when drilling or other operations hereunder are delayed or interrupted by lack of water, labor or material, or by fire, storm, flood, war, rebellion, insurrection, riot, strike, differences with workmen, or failure of carriers to transport or furnish facilities for transportation, or as a result of some order, rule, regulation, requisition or necessity of the government, or as the result of any other cause whatsoever beyond the control of Lessee, the time of such delay or interruption shall not be counted against Lessee, anything in this lease to the contrary notwithstanding. All express or implied covenants of this lease shall be subject to all Federal and State Laws, Executive Orders, Rules or Regulations, and this lease shall not be terminated, in whole or in part, nor Lessee held liable in damages for failure to comply therewith, if compliance is prevented by, or if such failure is the result of any such Law, Order, Rule or Regulation.

8. Lessee shall have the right at any time during the term of this lease or after the expiration or termination thereof to remove all machinery, fixtures, pipe lines, houses, buildings, and other structures placed on said premises, including the right to pull and remove all casing and tubing.

9. If the Lessee shall begin operations for the commencement of a well during the term of this lease or any extension thereof, the Lessee shall then have the right to complete the drilling of such wells, and if oil or gas or either of them be found in paying quantities, this lease shall continue and be in force and with like effect as if such well had been completed within the term first herein mentioned.

10. ~~Lessee shall have the right to assign this lease or any interest and the assignee of Lessee shall have corresponding rights, privileges, and obligations with respect to said royalties and rentals as to the acreage assigned to it. Lessee agrees that no assignment will be made only to a partner of the Lessee.~~

11. Lessee shall upon completion of the first productive well upon said premises make a diligent effort to obtain a pipeline connection but any delay shall not be counted against the Lessee provided Lessee shall resume delay rental payments for quarterly periods, beginning one year from the date that the first productive well shall be completed until said first well shall be connected to a pipeline.

12. Lessee may, at any time during the term hereof, cancel and surrender this lease, and be relieved of any and all obligations, payments and liabilities thereafter to accrue as to the leased premises, by the mailing of a notice of such surrender, and a check covering all rentals, if any, due up to the date of such cancellation or surrender.

13. It is agreed that said Lessee may drill or not drill on said land as it may elect, and the consideration and rentals paid and to be paid hereunder constitute adequate compensation for such privilege.

14. It is agreed that said Lessee shall have the privilege of using free of charge sufficient water, oil and gas from the said premises to run all machinery necessary for drilling and operations thereon, and at any time to remove all machinery and fixtures placed on said premises.

15. No well shall be drilled by Lessee within 200 feet of the dwelling house or barn now on said premises, except by consent of Lessor.

16. The leased premises may be fully and freely used by Lessor for any purpose, excepting such parts as are used by Lessee in operation hereunder.

17. Lessee shall pay Lessor for all damages to growing crops, fences or trees caused by Lessee's operations and shall bury all permanent pipelines below plow depth through cultivated areas upon request of Lessor or within a reasonable length of time thereafter.

18. This instrument may be executed in counterparts each having the same validity as if the original. Should any one or more of the parties named as Lessor fail to execute this lease, it shall nevertheless be binding upon all such parties who do execute it as Lessor.

L.F.
W.
T.W.

19. For the purpose of conserving the interest of the parties hereto and protecting said premises, and the oil or gas field within which the same are included from unnecessary and wasteful drilling and undue depletion of its resources, Lessor further grants to the Lessee, its heirs and assigns, the right to consolidate the above described premises or any part thereof at the option of Lessee with others to form a unit not to exceed 640 acres for development to the same effect as if said premises together with others in the area had been jointly leased by various Lessors to the Lessee as a single undivided tract and in such event Lessor agrees to accept, in lieu of the royalty hereinbefore recited, such proportion of one-eighth (1/8) of the oil or gas marketed from the unitized area as his acreage included therein bears to the total acreage of the unitized area. Lessee may give notice to Lessor of such consolidation by mail to the above address or by filing a declaration of record describing the properties so consolidated or unitized.

20. If Lessor owns any lesser interest in the oil and gas and under the premises than the entire undivided interest therein, then the royalties, rentals, and other payments herein provided shall be paid to the Lessor only in the proportion which his interest bears to the whole and undivided interest therein.

All the terms, conditions, limitations and covenants herein contained shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, successors, personal representatives and assigns, but no representations other than those herein contained shall be binding on either party.

IN WITNESS WHEREOF, the parties to this agreement have hereunto set their hands and seals the day and year first above written.

John C. Wilcox (Seal)
SSN 235-40-5486

William T. Wilcox (Seal)
SSN 157-26-3455

Thomas M. Hutchinson
HYDROCARBON ENERGIES INC.

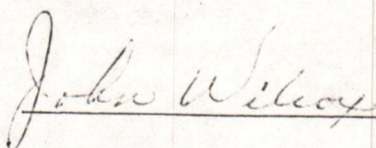
Thomas M. Hutchinson (Seal)
THOMAS M. HUTCHINSON
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires March 11, 1987

ADDENDUM

Attached to and made a part of that certain Oil and Gas Lease dated November 4, 1983 between John C. Wilcox (et al) and Hydrocarbon Energies, Inc. for thirty five acres in Clay District of Harrison County, West Virginia:

1. Item No. 10 in the above described lease was deleted and shall be replaced by the contents of this addendum.
2. Lessee shall have the right to assign lease to any partnership, co-ownership, joint venture or any other entity in order to finance drilling operations on the lease.
3. Assignee shall have the same rights and obligations as Assignor had in the above described lease.

The undersigned agrees to the terms of this addendum and to the terms of the above described lease.



John Wilcox



Patricia Wilcox

Hood & Wilcox

SENT TO Clay Development Street and No P. O. Box 386 Shinnston, WV 26431		POSTAGE \$		CERTIFIED FEE \$		CONSULT POSTMASTER FOR FEES		TOTAL POSTAGE AND FEES \$ 1.72	
OPTIONAL SERVICES		RETURN RECEIPT SERVICE		RESTRICTED DELIVERY		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		RESTRICTED DELIVERY	
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY		DATE DELIVERED		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY		DATE DELIVERED		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	
RESTRICTED DELIVERY		DATE DELIVERED		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY		DATE DELIVERED		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	

NO INSURANCE COVERAGE PROVIDED - NOT FOR INTERNATIONAL MAIL (See Reverse)

RECEIPT FOR CERTIFIED MAIL P 360 030 445

Hood & Wilcox

SENT TO Consolidation Coal Co. Street and No P. O. Box 1314 Morgantown, WV 26505		POSTAGE \$ 37		CERTIFIED FEE \$ 75		CONSULT POSTMASTER FOR FEES		TOTAL POSTAGE AND FEES \$ 1.12	
OPTIONAL SERVICES		RETURN RECEIPT SERVICE		RESTRICTED DELIVERY		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		RESTRICTED DELIVERY	
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY		DATE DELIVERED		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY		DATE DELIVERED		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	
RESTRICTED DELIVERY		DATE DELIVERED		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY		DATE DELIVERED		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	

NO INSURANCE COVERAGE PROVIDED - NOT FOR INTERNATIONAL MAIL (See Reverse)

RECEIPT FOR CERTIFIED MAIL P 360 030 446

DEPT. OF MINES OIL & GAS DIVISION

RECEIVED FEB 2 - 1984

DEPT. OF MINES OIL & GAS DIVISION FEB 2 - 1984 RECEIVED

RECEIPT FOR CERTIFIED MAIL P 360 030 447 NO INSURANCE COVERAGE PROVIDED - NOT FOR INTERNATIONAL MAIL (See Reverse)

SENT TO John Wilcox Street and No 615 Linda Ave. Blackwood NJ 08012		POSTAGE \$ 37		CERTIFIED FEE \$ 75		CONSULT POSTMASTER FOR FEES		TOTAL POSTAGE AND FEES \$ 1.12	
OPTIONAL SERVICES		RETURN RECEIPT SERVICE		RESTRICTED DELIVERY		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		RESTRICTED DELIVERY	
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY		DATE DELIVERED		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY		DATE DELIVERED		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	
RESTRICTED DELIVERY		DATE DELIVERED		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY		DATE DELIVERED		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	

NO INSURANCE COVERAGE PROVIDED - NOT FOR INTERNATIONAL MAIL (See Reverse)

RECEIPT FOR CERTIFIED MAIL P 360 030 449

Wilcox #1

RECEIPT FOR CERTIFIED MAIL P 360 030 449 NO INSURANCE COVERAGE PROVIDED - NOT FOR INTERNATIONAL MAIL (See Reverse)

SENT TO Lowell Brookover Street and No Gypsy, WV 26361		POSTAGE \$		CERTIFIED FEE \$		CONSULT POSTMASTER FOR FEES		TOTAL POSTAGE AND FEES \$ 1.72	
OPTIONAL SERVICES		RETURN RECEIPT SERVICE		RESTRICTED DELIVERY		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		RESTRICTED DELIVERY	
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY		DATE DELIVERED		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY		DATE DELIVERED		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	
RESTRICTED DELIVERY		DATE DELIVERED		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY		DATE DELIVERED		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	

NO INSURANCE COVERAGE PROVIDED - NOT FOR INTERNATIONAL MAIL (See Reverse)

RECEIPT FOR CERTIFIED MAIL P 360 030 448

Wilcox #1

RECEIPT FOR CERTIFIED MAIL P 360 030 448 NO INSURANCE COVERAGE PROVIDED - NOT FOR INTERNATIONAL MAIL (See Reverse)

SENT TO Martha A. Martin Street and No 5031 S.W. 139 Court Miami, Fla 33175		POSTAGE \$		CERTIFIED FEE \$		CONSULT POSTMASTER FOR FEES		TOTAL POSTAGE AND FEES \$ 1.72	
OPTIONAL SERVICES		RETURN RECEIPT SERVICE		RESTRICTED DELIVERY		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		RESTRICTED DELIVERY	
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY		DATE DELIVERED		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY		DATE DELIVERED		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	
RESTRICTED DELIVERY		DATE DELIVERED		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY		DATE DELIVERED		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	

NO INSURANCE COVERAGE PROVIDED - NOT FOR INTERNATIONAL MAIL (See Reverse)

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

Frac: 7-3-84 1 Stage 5th Sand

PERFS	BKRD	RATE	PSI	SAND	H2O	CO2	ISIP
2501-44	2800	26	2500	59,000#	650	20 Tons	1900#

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Shales	G	S	0	73	Water @ 38'
Coal	Bl	S	73	82	Hole Damp @ 890'
Sdy Shale	Br	M	82	190	
Coal	Bl	S	190	195	Coals @ 73,190,365,480,573
Shale	Gr	S	195	213	
Sand	Br	M	213	280	
Shale	Gr	S	280	365	
Coal	Bl	S	365	372	
Shale	Gr	S	372	480	
Coal	Bl	S	480	485	
Shale	Gr	S	485	573	
Coal	Bl	S	573	577	
Shale	Gr	S	577	810	
Sand	W	H	810	930	
Shale	Rd & Gr	S	930	1462	
Big Lime	Br	H	1462	1524	
Big Injun	W	H	1524	1620	Show Gas @ 1545'
Shale	Gr	S	1620	2028	
50' Sand	W	H	2028	2055	
30' Sand	W	H	2055	2130	
Gordon Str.	Br	M	2130	2238	
Gordon	Br	M	2238	2330	
4th Sand	W	H	2330	2406	
Shale	Gr	S	2406	2510	
5th Sand	Br	M	2510	2566	Show Gas @ 2515'
Shale	Gr	S	2566	2704	
Total Depth				2704	

(Attach separate sheets as necessary)

Well Operator

By: Alvin Soreen

Date: _____

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 coal, encountered in the drilling of a well."



IV-35
(Rev 8-81)

Date 7-27-84
Operator's
Well No. Wilcox # 1
Farm John Wilcox
API No. 47-033 - 2984

RECEIVED
State of West Virginia
Department of Mines
Oil and Gas Division
MAR 19 1985

OIL & GAS DIVISION
DEPT. OF MINES
WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

RECEIVED
JUL 31 1984

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal /
(If "Gas," Production / Underground Storage / Deep / Shallow)

LOCATION: Elevation: 1001 Watershed West Fork River
District: Clay County Harrison Quadrangle Clarksburg 7 1/2

COMPANY Hydrocarbon Energies, Inc.
ADDRESS P.O. Drawer 976, Buckhannon, WV 26201
DESIGNATED AGENT Alvin L. Sorcan
ADDRESS Rt. 4, Box 444, Buckhannon, WV 26201
SURFACE OWNER John Wilcox
ADDRESS 615 Linda Ave., Blackwood, NJ 08012
MINERAL RIGHTS OWNER John Wilcox
ADDRESS Same
OIL AND GAS INSPECTOR FOR THIS WORK Steve Casey
ADDRESS Jane Lew, WV 26378

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
11 3/4	112'	112'	135 sks To Surface
9 5/8			
8 5/8	1067'	1067'	265 sks To Surface
7			
5 1/2			
4 1/2		2665'	310 sks (1300-2665)
3			
2			
Liners used			

PERMIT ISSUED _____
DRILLING COMMENCED 6-19-84
DRILLING COMPLETED 6-23-84
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON _____

GEOLOGICAL TARGET FORMATION 5th Sand Depth 2510 feet
Depth of completed well 2704' feet Rotary / Cable Tools _____
Water strata depth: Fresh 38 feet; Salt 890 feet
Coal seam depths: 73,190,365,480,573 Is coal being mined in the area? Yes

OPEN FLOW DATA
Producing formation 5th Sand Pay zone depth 2510-50 feet
Gas: Initial open flow Small Mcf/d Oil: Initial open flow Show Bbl/d
Final open flow 25 Mcf/d Final open flow 5 Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 375 psig (surface measurement) after 96 hours shut in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ Mcf/d Oil: 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

(Continue on reverse side)

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED
JUN 26 1984

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 33-2984

Oil or Gas Well _____
(KIND)

Company Hydrocarbon Energy

Address _____

Farm f Wilcox

Well No. 1

District Clay County Harr.

Drilling commenced 6-19-84

Drilling completed _____ Total depth _____

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water 35 feet _____ feet

Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 3/4			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names C.O. 2

Remarks: open shaft 73' to 82'
11 3/4 122' 135 SKS. Halliburton

6-20-84
DATE

Steve Casey
DISTRICT WELL INSPECTOR

Form 26
2/16/82

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks:

_____ I hereby certify I visited the above well on this date.

DATE

DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED

JUN 27 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 33-2984

Oil or Gas Well _____
(KIND)

Company <u>Hydrocarbon C.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Wileox</u>	16			Kind of Packer _____
Well No. <u>1</u>	13			
District _____ County <u>Harr.</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 3/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Drillers' Names <u>C. O. Z</u>	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Remarks: 8 5/8 1067' 2655. Halliburton

6-22-84
DATE

Steve Casey
DISTRICT WELL INSPECTOR

Form 26
2/16/82

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner		Location		Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED				BRIDGES		CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST	

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.
DATE

DISTRICT WELL INSPECTOR

RECEIVED
MAR 19 1985

Date: 3-13, 19 85

**OIL & GAS DIVISION
DEPT. OF MINES**

Operator's Well No. Wilcox # 1
API Well No. 47 - 033 - 2984
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

WELL OPERATOR'S REPORT
OF
INITIAL GAS-OIL RATIO TEST

WELL OPERATOR Hydrocarbon Energies, Inc. DESIGNATED AGENT Alvin Sorcan
Address P. O. Drawer 976 Address Route 4, Box 444
Buckhannon, W. Va. 26201 Buckhannon, W. Va. 26201

GEOLOGICAL TARGET FORMATION: 5th Sand Depth 2510 feet
Perforation Interval 2501 - 2544 feet

GUIDELINES FOR TESTING:

- 1- A minimum of gas vented or flared
- 2- A 24 hour preflow into pipelines or tanks
- 3- Uniform producing rate during the 24 hour test per test period
- 4- Measurement standards as for Form IV-39, "Report of Annual Production" (see Regulation 21.01)
- 5- Separate Form IV-36 for each producing formation in a multiple completion

TEST DATA				
START OF TEST-DATE	TIME	END OF TEST-DATE	TIME	DURATION OF TEST
2-15-85		2-21-85		7 Days
TUBING PRESSURE	CASING PRESSURE	SEPARATOR PRESSURE	SEPARATOR TEMPERATURE	
220	240	90	40	
OIL PRODUCTION DURING TEST	GAS PRODUCTION DURING TEST		WATER PRODUCTION DURING TEST & SALINITY	
28.3 bbls.	196 Mcf		bbls. ppm.	
OIL GRAVITY	PRODUCING METHOD (Flowing, pumping, gas lift, etc.)			
.47 °API	Flowing and Pumping			

GAS PRODUCTION		
MEASUREMENT METHOD	POSITIVE CHOKE	
FLANGE TAP <input checked="" type="checkbox"/> PIPE TAP <input type="checkbox"/> L-10 <input type="checkbox"/>	CRITICAL FLOW PROVER <input type="checkbox"/>	
ORIFICE DIAMETER	PIPE DIAMETER (INSIDE DIAM.)	NOMINAL CHOKE SIZE - IN.
3/8	2 inch	
DIFFERENTIAL PRESSURE RANGE	MAX. STATIC PRESSURE RANGE	PROVER & ORIFICE DIAM. - IN.
DIFFERENTIAL	STATIC	GAS GRAVITY (Air=1.0)
		MEASURED ESTIMATED
GAS GRAVITY (Air=1.0)	FLOWING TEMPERATURE	GAS TEMPERATURE °F
.65		
24 HOUR COEFFICIENT	24 HOUR COEFFICIENT	
	PRESSURE - psia	

TEST RESULTS			
DAILY OIL	DAILY WATER	DAILY GAS	GAS-OIL RATIO
4.04 bbls.	None bbls.	28 Mcf.	SCF/STE

Hydrocarbon Energies, Inc.
Well Operator

By: Alvin Sorcan
Its: President



State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

RECEIVED
OCT 30 1985

DIVISION OF OIL & GAS
DEPT. OF ENERGY

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
March 26, 1985

COMPANY Hydrocarbon Exploration, Inc.

PERMIT NO 033-2984 (2-23-84)

P. O. Drawer 976

FARM & WELL NO John Wilcox #1

Buckhannon, West Virginia 26201

DIST. & COUNTY Clay/Harrison

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work		
25.04	Prepared before Drilling to Prevent Waste		
25.03	High-Pressure Drilling		
16.01	Required Permits at Wellsite		
15.03	Adequate Fresh Water Casing		
15.02	Adequate Coal Casing		
15.01	Adequate Production Casing		
15.04	Adequate Cement Strength		
15.05	Cement Type		
23.02	Maintained Access Roads		
25.01	Necessary Equipment to Prevent Waste		
23.04	Reclaimed Drilling Pits		
23.05	No Surface or Underground Pollution		
23.07	Requirements for Production & Gathering Pipelines		
16.01	Well Records on Site		
16.02	Well Records Filed		
7.05	Identification Markings		

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED Steve Casey

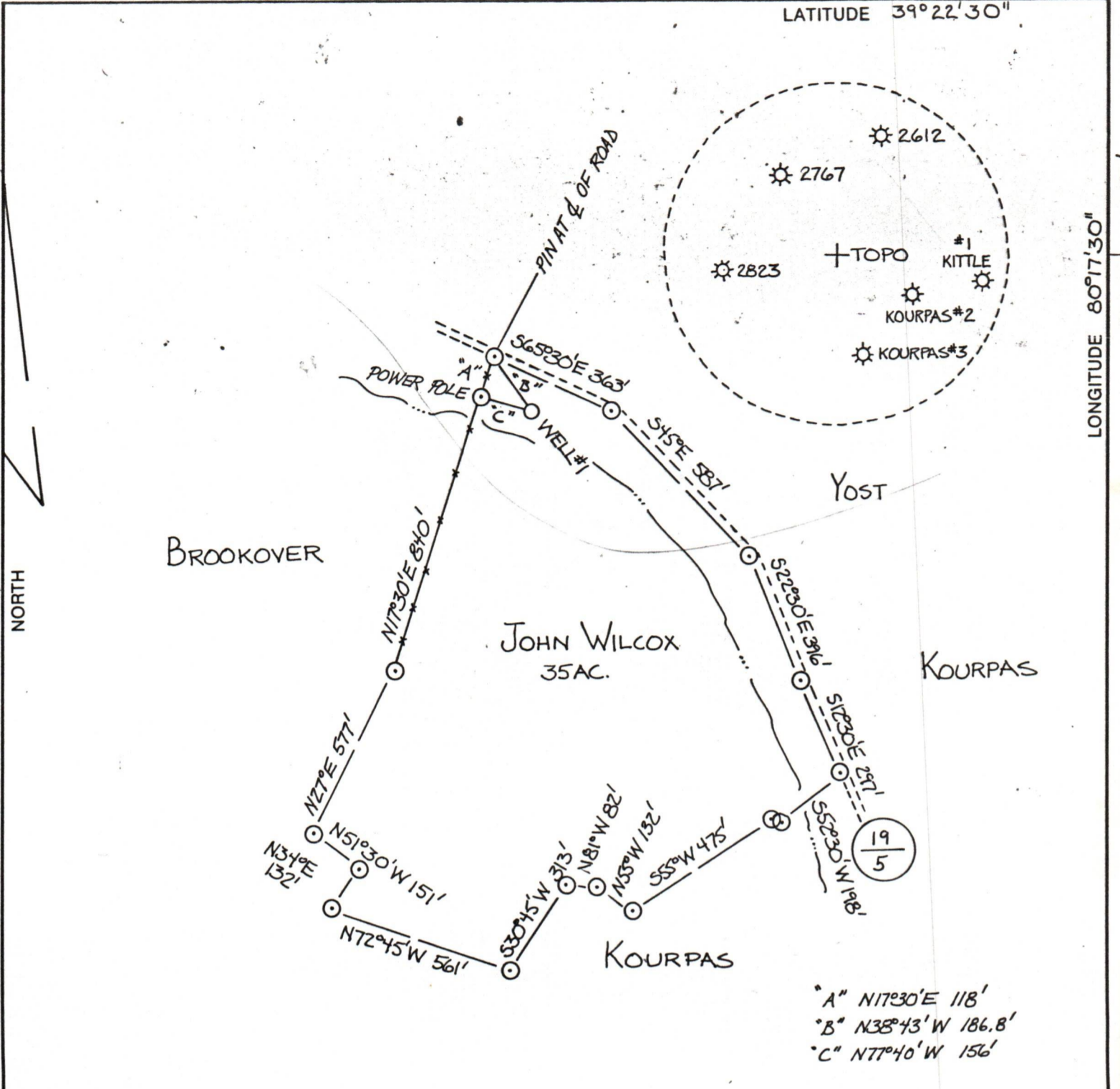
DATE 10-29-85

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

Administrator-Oil & Gas Division

November 5, 1985

DATE

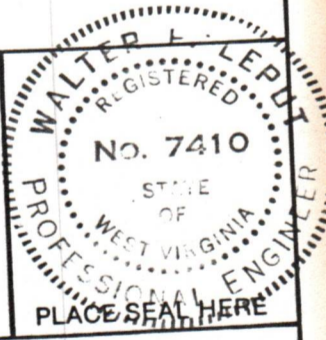


"A" N17°30'E 118'
 "B" N38°43'W 186.8'
 "C" N77°40'W 156'

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

FILE NO. 1-16-1984
 DRAWING NO. 1-16-1984
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION & OF ROADS
600' SOUTHEAST BM (1038)

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



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE JAN 16, 1984
 OPERATOR'S WELL NO. _____
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1001 WATERSHED WEST FORK RIVER
 DISTRICT CLAY COUNTY HARRISON
 QUADRANGLE CLARKESBURG 712
 SURFACE OWNER JOHN WILCOX ACREAGE 35
 OIL & GAS ROYALTY OWNER JOHN WILCOX LEASE ACREAGE 35
 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 2800
 WELL OPERATOR HYDROCARBON ENERGIES INC. DESIGNATED AGENT AL SORCAN
 ADDRESS PO DRAWER 976 ADDRESS PO DRAWER 976
BUCKHANNON W.VA. 26201 BUCKHANNON W.VA. 26201

COUNTY NAME _____
 PERMIT _____