



1) Date: November 8, 1983
 2) Operator's Well No. Kendal # 1
 3) API Well No. 47-033-2956
 State _____ County _____ Permit _____

J. Kendal # 1 72.9 ac.

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: 1124 Watershed: West Frok River
 District: Clay County: Harrison Quadrangle: Clarksburg 7 1/2
 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 9) DRILLING CONTRACTOR:
 Name Stephen Casey Name _____
 Address Jane Lew Address _____
884-7470
 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, 2850 feet
 13) Approximate trata depths: Fresh, 40 feet; salt, 1065 feet.
 14) Approximate coal seam depths: 255, 530 Is coal being mined in the area? Yes / No _____

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 NOV 15 1983

OIL & GAS DIVISION
 DEPT. OF MINES

15) 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		
Conductor	11 3/4			X		35'			Kinds
Fresh water									Sizes
Coal									
Intermediate	8 5/8		23#	X		1325	1325	To Surface	By rule 15.05
Production	4 1/2		10 1/2#	X			2850	300 sks	or as req. by rule 15.01D
Tubing									Perforations:
Liners									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-033-2956

Date December 5, 19 83

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 December 5, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>ls</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>173</u>
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[Signature]
 Administrator, Office of Oil and Gas



OFFICE USE ONLY

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

1) WELL OPERATOR: HYDROSEARCH INDUSTRIES, INC.
 Address: P.O. Box 970, Beckmansville, WV 26205

2) LOCATION: CLAY District, HARRISON County, West Fork River Watershed, Shallow Depth

3) PROPOSED WELL WORK: Drill type, 3 1/2 inch diameter, 1000 feet depth, Perforate new formation (Perforate old formation) X

4) GEOLOGICAL TARGET FORMATION: Silt Sand

5) ESTIMATED DEPTH TO COMPLETED WELL: 1000 feet

6) APPROXIMATE TANK DEPTH: 1000 feet

7) APPROXIMATE COAL STRATA DEPTHS: 300 feet

8) IS A GAS INSPECTOR TO BE NOTIFIED? Yes

9) DESIGNATED AGENT: Raymond S. ...

10) DRILLING CONTRACTOR: ...

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 OIL & GAS DIVISION
 DEPT. OF MINES

Casing or Tubing Type	Casing or Tubing Size	Casing or Tubing Weight	Specifications		Depth (ft)	Remarks
			Grade	Wall Thickness		
Production	3 1/2	10.0	API 5L X 52	0.281	1000	Perforated at 1000 ft
Intermediate	3 1/2	10.0	API 5L X 52	0.281	1000	
Production	3 1/2	10.0	API 5L X 52	0.281	1000	

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: _____

Bond	Agency	Plan	Casing	Fee
BB				

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.

I N F O R M A T I O N S U P P L I E D U N D E R C O D E § 22-4-11(d)

I N L I E U O F F I L I N G L E A S E (S) A N D O T H E R C O N T I N U I N G C O N T R A C T (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 Kendall (et ux)	Hydrocarbon ENERGIES INC.	1/8	1126-456
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1) Date: Nov. 8, 19 83
2) Operator's
Well No. J, Kendal # 1
3) API Well No. 47 - 033-2956
State County Permit

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

72.9 acres

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

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

- (i) Name John H. Kendall
Address Box 22
Shinnston W.V. 26431
- (ii) Name _____
Address _____
- (iii) Name _____
Address _____

5(i) COAL OPERATOR

Address _____

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

Name Clay Development
Address P.O. Box 548

Shinnston W.V. 26431
Name Consolidation Coal Co
Address P.O. Box 1314

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:

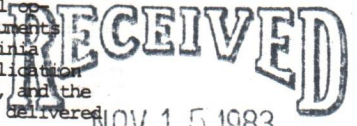
Name _____
Address _____

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.



OIL & GAS DIVISION

DEPT. OF MINES

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.

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 Sorcan, President

this 8 day of November, 19 83.
My commission expires 12-20, 19 90.

Louis A. Jensen
Notary Public, Upshur County,
State of West Virginia

WELL

OPERATOR Hydrocarbon Energies, Inc.

By Alvin Sorcan
Its President


Address P. O. Drawer 976


Buckhannon, WV 26201

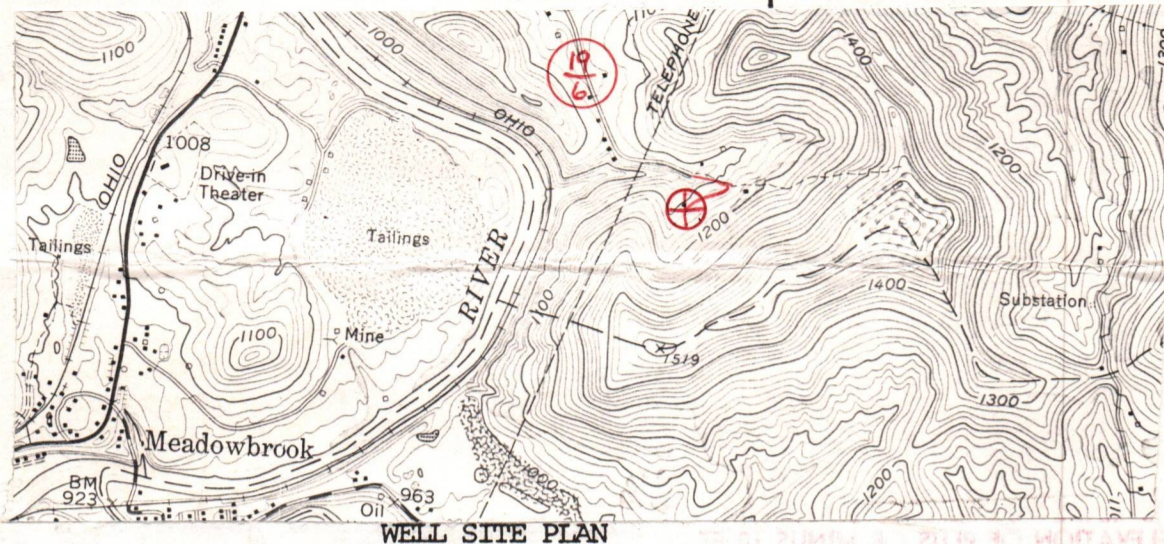
Telephone 472-9600

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

LEGEND

Well Site 













Access Road 

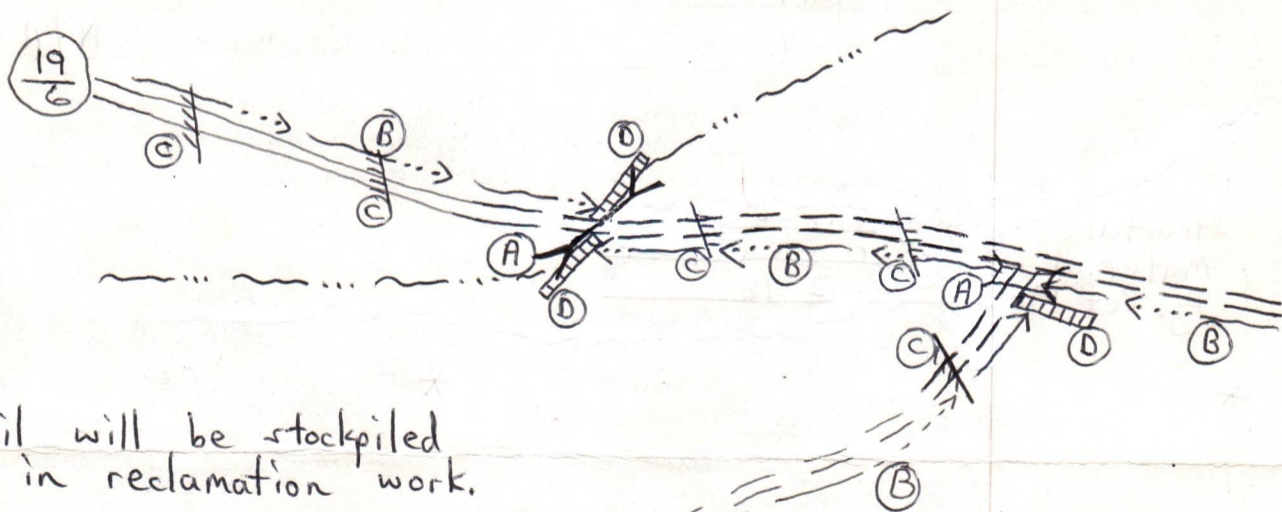


WELL SITE PLAN

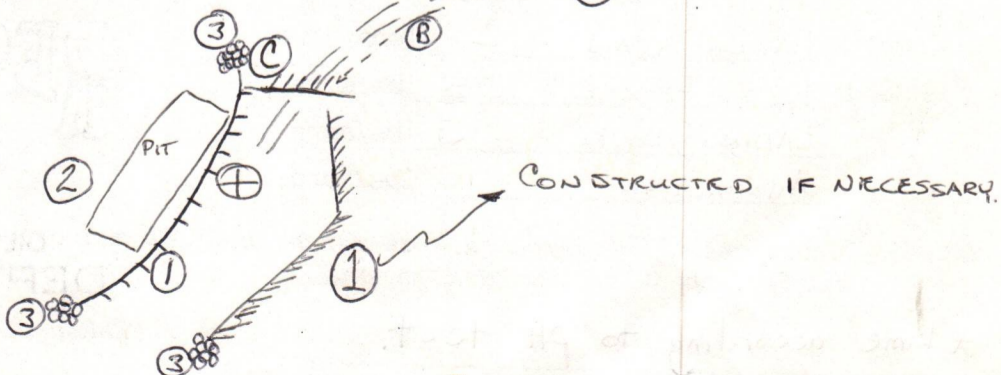
Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

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



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



SLOPE OF ROAD WILL BE 5-10% OR LESS

ANY TIMBER WILL BE CUT AND PILED ALL BRUSH WILL BE BURNED OR BURIED.

CULVERT + DITCHES WILL BE MAINTAINED



1) Date: November 8, 1983
 2) Operator's Well No. Kendal #1
 3) API Well No. 47 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: 1124 Watershed: WEST FORK RIVER
 District: clay County: HARRISON Quadrangle: CLARKSBURG 7 1/2
- 6) WELL OPERATOR HYDROCARBON ENERGIES INC 7) DESIGNATED AGENT ALVIN SORCON
 Address P.O. DRAWER 976 Address P.O. DRAWER 976
BUCKHANNON W.V. 26201 BUCKHANNON W.V. 26209
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name STEPHEN CASEY Name
 Address JANIE LEW Address
884-7470
- 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, 2850 feet
- 13) Approximate trata depths: Fresh, 40 feet; salt, 1065 feet.
- 14) Approximate coal seam depths: 255, 530 Is coal being mined in the area? Yes / No

15) 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		
Conductor	<u>11 3/4</u>			<input checked="" type="checkbox"/>		<u>35'</u>			Kinds
Fresh water									
Coal									Sizes
Intermediate	<u>8 5/8</u>		<u>23#</u>	<input checked="" type="checkbox"/>		<u>1325</u>	<u>1325</u>	<u>TO SURFACE</u>	
Production	<u>4 1/2</u>		<u>10.5#</u>	<input checked="" type="checkbox"/>			<u>2850</u>	<u>300 SKS</u>	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The 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.

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 the filing of the Application.

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: Nov 18, 19 83

CLAY DEVELOPMENT, INC.
 By
 Its PRESIDENT

SENINI JO. DEPT. MINES
DIVISION & GAS TILES

1983 NOV 22 AM

DELETED

P 360 030 430

RECEIPT FOR CERTIFIED MAIL

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

PS Form 3800, Apr. 1976

SENT TO Clay Development		STREET AND NO. P.O. Box 548	P.O. STATE AND ZIP CODE Shinnston W.V. 26431
POSTAGE		CERTIFIED FEE \$ 37	
CONSULT POSTMASTER FOR FEES		OPTIONAL SERVICES	
RETURN RECEIPT SERVICE		SPECIAL DELIVERY	RESTRICTED DELIVERY
SHOW TO WHOM AND DATE DELIVERED		SHOW TO WHOM AND DATE DELIVERED	SHOW TO WHOM AND DATE DELIVERED
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY
TOTAL POSTAGE AND FEES		\$ 172	
POSTMARK OR DATE		NOV 22 1983	

P 360 030 431

RECEIPT FOR CERTIFIED MAIL

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

PS Form 3800, Apr. 1976

SENT TO John Kendall		STREET AND NO. Box 22	P.O. STATE AND ZIP CODE Shinnston W.VA 26433
POSTAGE		CERTIFIED FEE \$ 37	
CONSULT POSTMASTER FOR FEES		OPTIONAL SERVICES	
RETURN RECEIPT SERVICE		SPECIAL DELIVERY	RESTRICTED DELIVERY
SHOW TO WHOM AND DATE DELIVERED		SHOW TO WHOM AND DATE DELIVERED	SHOW TO WHOM AND DATE DELIVERED
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY
TOTAL POSTAGE AND FEES		\$ 172	
POSTMARK OR DATE		NOV 22 1983	

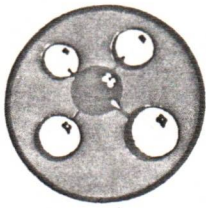
P 360 030 439

RECEIPT FOR CERTIFIED MAIL

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

PS Form 3800, Apr. 1976

SENT TO Consolidated Coal		STREET AND NO. P.O. Box 1314	P.O. STATE AND ZIP CODE Morgantown W.VA 26505
POSTAGE		CERTIFIED FEE \$ 37	
CONSULT POSTMASTER FOR FEES		OPTIONAL SERVICES	
RETURN RECEIPT SERVICE		SPECIAL DELIVERY	RESTRICTED DELIVERY
SHOW TO WHOM AND DATE DELIVERED		SHOW TO WHOM AND DATE DELIVERED	SHOW TO WHOM AND DATE DELIVERED
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY
TOTAL POSTAGE AND FEES		\$ 172	
POSTMARK OR DATE		NOV 22 1983	



Hydrocarbon Energies, Inc.

PETROLEUM CONSULTING
COMPLETION — PRODUCTION — WELL OPERATING

RECEIVED
FEB 29 1984
OIL & GAS DIVISION
DEPT. OF MINES

Post Office Drawer 976
BUCKHANNON, WEST VIRGINIA 26201

(304) 472-9600

February 28, 1984

W. Va. Department of Mines
Oil and Gas Division
1615 Washington Street East
Charleston, West Virginia 25311

Dear Mr. Lewis:

I am writing in concern with IV-36 forms (oil and gas ratio test) which you are requesting. I have yet to file them on the following wells:

Kittle #1 - Harrison - 2859 Rev.	Kourpas #1 - Harrison - 2952
Lane #1 - Harrison - 2918	Kourpas #2 - Harrison - 2955
Lane #2 - Harrison - 2917 Rev.	Kourpas #3 - Harrison - 2953
Kendal #1 - Harrison - 2956	Jett #1 - Harrison - 2954
	Jett #2 - Harrison - 2950

These wells are offset to each other and are presently not in production. We have flowed some oil from them, but we are not actively producing them. We are anticipating a gas purchase contract will be finalized by mid-summer.

We would like to wait until these wells are put into production full time, as to receive an accurate test.

Please contact me if any of our preliminary information is needed.
Thank you.

Yours truly,

Louis A. Ferrari
Land Manager

LAF/mg

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

Put Swedge in 8 5/8 Casing To Produce Well Natural

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Shale	Gr	S	0	20	No Water Reported
Sand	W	H	20	194	
Coal	Bl	S	194	199	Coals: 194, 240, 326
Shale	Gr	S	199	240	
Coal	Bl	S	240	244	
SD.& SH.	Gr	S	244	326	
Coal	Bl	S	326	331	
Shale	Gr	S	331	650	
Sand	W	H	650	692	
Shale	Gr	S	692	880	
Sand	W	H	880	960	
Shale	Gr	S	960	1552	
Big Lime	Br	H	1552	1630	
Big Injun	W	H	1630	1710	Show Gas @ 1645
Shale	Gr	S	1710	2108	
50' Sand	W	H	2108	2140	
30' Sand	W	H	2140	2245	Show Gas @ 2175
Gordon Stray	Br	M	2245	2335	Show Gas @ 2380
Gordon	Br	M	2335	2450	
4th Sand	W	H	2450	2508	Show Gas @ 2630
Shale	Gr	S	2508	2600	
5th Sand	W	H	2600	2652	Check Gas @ 2258
Shale	Gr	S	2652	2780	Check @ T.D.
Total Depth				2780	900mcf 404mcf

(Attach separate sheets as necessary)

Well Operator _____
 By: Alvin Loren - President
 Date: 1-24-84

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."

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

RECEIVED
JAN 3 - 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 33-2956

Oil or Gas Well _____
(KIND)

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

Drillers' Names _____

Remarks: Inspect new location
C.O. 1 should start moving in this eve.

12-19-83
DATE

Steve Casey
DISTRICT WELL INSPECTOR

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

RECEIVED
JAN 3 - 1984

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 33-2956

Oil or Gas Well _____
(KIND)

Company Hydro Carbon

Address _____

Farm Kendall

Well No. 1

District Clay County Harr.

Drilling commenced 12-19-83

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 _____ 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 5/8			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. 1

Remarks: 8 5/8 1811' 320 SKS. Halliburton

12-21-83

DATE

Steve Casper

DISTRICT WELL INSPECTOR

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

RECEIVED

JAN 9 - 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

DEPT. OF MINES
Oil or Gas Well
(KIND)

Permit No. 33-2956

Company	Address	Farm	Well No.	District	County	Drilling commenced	Drilling completed	Date shot	Depth of shot	Initial open flow	Open flow after tubing	Volume	Rock pressure	Oil	Fresh water	Salt water	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS	
																	Size				
<u>Hydro-Carbon</u>		<u>Kendall</u>		<u>Clay</u>	<u>Harr.</u>	<u>12-19-83</u>	<u>12-30-83</u>											16			Kind of Packer
							<u>2287'</u>											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 <u>194</u> FEET <u>60</u> INCHES				
																	<u>240</u> FEET <u>48</u> INCHES <u>326</u> FEET <u>60</u> INCHES				
																	_____ FEET _____ INCHES _____ FEET _____ INCHES				

Drillers' Names C.O. 1

Remarks: appx. 800 000 gas at 2258'
TD 2287' pulling drill pipe

12-30-83
DATE

Steve Casper
DISTRICT WELL INSPECTOR

RECEIVED
JAN - 8 1985

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

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

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

WELL OPERATOR Hydrocarbon Energies, Inc.
Address P.O. Drawer 976
Buckhannon, W. Va. 26201

DESIGNATED AGENT Alvin Sorcan
Address Rt. 4, Box 444
Buckhannon, W. Va. 26201

GEOLOGICAL TARGET FORMATION: 5th Sand Depth 2600 - 2652 feet
Perforation Interval Natural 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
<u>11-1-84</u>		<u>11-29-84</u>		<u>28 days</u>
TUBING PRESSURE <u>None</u>	CASING PRESSURE <u>525</u>	SEPARATOR PRESSURE <u>140</u>	SEPARATOR TEMPERATURE <u>40</u>	
OIL PRODUCTION DURING TEST <u>None</u> bbls.	GAS PRODUCTION DURING TEST <u>1,812</u> Mcf		WATER PRODUCTION DURING TEST & SALINITY bbls. ppm.	
OIL GRAVITY	PRODUCING METHOD (Flowing, pumping, gas lift, etc.) <u>Flowing</u>			

GAS PRODUCTION		
MEASUREMENT METHOD FLANGE TAP <input checked="" type="checkbox"/> PIPE TAP <input type="checkbox"/> L-10 <input type="checkbox"/>	POSITIVE CHOKE <input type="checkbox"/> CRITICAL FLOW PROVER <input type="checkbox"/>	
ORIFICE DIAMETER <u>1/2</u>	PIPE DIAMETER (INSIDE DIAM.) <u>2 inch</u>	NOMINAL CHOKE SIZE - IN.
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) <u>.65</u>	FLOWING TEMPERATURE	GAS TEMPERATURE _____ °F
24 HOUR COEFFICIENT.	24 HOUR COEFFICIENT PRESSURE - _____ psia	

TEST RESULTS			
DAILY OIL <u>None</u> bbls.	DAILY WATER bbls.	DAILY GAS <u>64.7</u> Mcf.	GAS-OIL RATIO SCF/STB

Hydrocarbon Energies, Inc.
Well Operator

By: Alvin Sorcan
Its: _____



RECEIVED
OCT 30 1985

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

DIVISION OF OIL & GAS
DEPT. OF ENERGY

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
February 16, 1984

COMPANY Hydrocarbon Energies, Inc.

PERMIT NO 033-2956 (12-05-83)

P. O. Drawer 976

FARM & WELL NO J. Kendall #1

Buckhannon, West Virginia 26201

DIST. & COUNTY Clay/Harrison

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

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

SIGNED Steve Casey

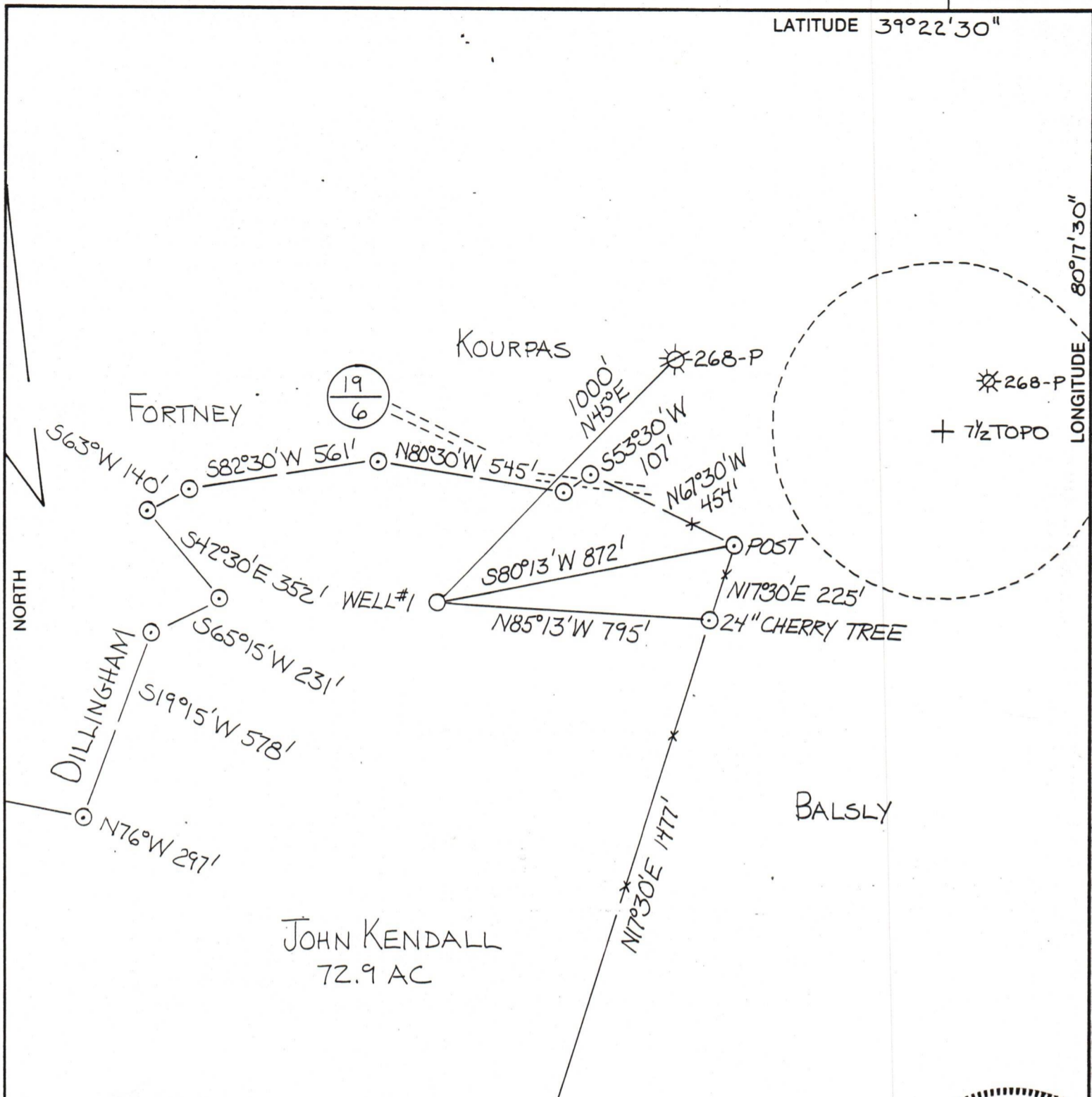
DATE 10-29-85

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

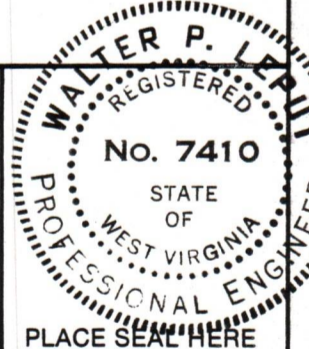
DATE



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

FILE NO. 10-30-1983
 DRAWING NO. 10-30-1983
 SCALE 1"=400'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION BM ± 2500'
NORTHWEST (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. Lepuit
 R.P.E. 7410 L.L.S. _____



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE OCT 30, 19 83
 OPERATOR'S WELL NO. KENDAL #1
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 STATE COUNTY PERMIT 47 033 2956

LOCATION: ELEVATION 1124 WATER SHED WEST FORK RIVER
 DISTRICT CLAY COUNTY HARRISON
 QUADRANGLE CLARKSBURG 7 1/2

SURFACE OWNER JOHN KENDALL ACREAGE 72.9
 OIL & GAS ROYALTY OWNER JOHN KENDALL LEASE ACREAGE 72.9
 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 2850
 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