



1) Date: June 3, 19 83  
 2) Operator's Well No. #5  
 3) API Well No. 47 State 33 County 2916 Permit

DRILLING CONTRACTOR:

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil X / Gas X /  
 B (If "Gas", Production X / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X /)
- 5) LOCATION: Elevation: 1479 Watershed: West Fork River  
 District: Clay County: Harrison Quadrangle: Clarksburg 7 1/2
- 6) WELL OPERATOR Hydrocarbon Energies Inc. 11) DESIGNATED AGENT Alvin Sorcan  
 Address P.O. Drawer 976 Address P.O. Drawer 976  
Buckhannon, WV 26201 Buckhannon, WV 26201
- 7) OIL & GAS ROYALTY OWNER P.K. Balsly Heirs 12) COAL OPERATOR \_\_\_\_\_  
 Address c/o David Taylor Address \_\_\_\_\_  
Spring St., Clarksburg, WV  
 Acreage 38
- 8) SURFACE OWNER George Kendal 13) COAL OWNER(S) WITH DECLARATION ON RECORD:  
 Address 1806 Greensburg Ave. Ap 1A Name Clay Development  
North Versailles, PA 15137 Address PO Box 548  
 Acreage \_\_\_\_\_ Shinnston, WV 26431  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_
- 9) FIELD SALE (IF MADE) TO:  
 Address \_\_\_\_\_
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name Steven Casey  
 Address Route 2, Box 232-D  
Jane Lew, WV 26378
- 15) PROPOSED WORK: Drill X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Fracture or stimulate \_\_\_\_\_  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify) \_\_\_\_\_
- 16) GEOLOGICAL TARGET FORMATION, 5TH Sand
- 17) Estimated depth of completed well, 3200 feet
- 18) Approximate water strata depths: Fresh, 30 679 feet; salt, 810, 990 feet.
- 19) Approximate coal seam depths: 390, 630, 700 Is coal being mined in the area? Yes \_\_\_\_\_ / No X /

RECEIVED  
 JUN - 6 1983  
 OIL & GAS DIVISION  
 DEPT. OF MINES

20) 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		40	40	To surface	Kinds
Fresh water						730	730	CTS	by Rule 15-05
Coal									Sizes
Intermediate	8 5/8		23	X		1550	1550	To surface	
Production	4 1/2		10 1/2	X		3200	3200	500 Sks.	Depths set OR 45 req by Rule 15-01
Tubing									Perforations:
Liners									Top Bottom

21) 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.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing 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.

23) Required Copies (See reverse side.)

24) 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.

Notary: L.A. Jensen  
 My Commission Expires 12/20/90

Signed: Alvin Sorcan  
 Its: PRESIDENT

OFFICE USE ONLY  
**DRILLING PERMIT**

Permit number 47-033-2916 Date July 18 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. 10) 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.)

Permit expires March 18, 1984 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>LS</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>673</u>
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[Signature]  
 Administrator, Office of Oil and Gas



Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.  
"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—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.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
  - (1) A brief description of the tract of land including the district and county wherein the tract is located;
  - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
  - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
  - (4) A brief description of the royalty provisions of each such lease or contract.
- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) 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.

**24) 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.**

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 \_\_\_\_\_





1) Date: June 6, 19 84  
 2) Operator's Well No. Balsley # 5  
 3) API Well No. 47 - 033-2916 (REV)  
 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 X / Gas X /  
 B (If "Gas", Production X / Underground storage                      / Deep                      / Shallow X /)
- 5) LOCATION: Elevation: 1475 Watershed: West Fork River (M26)  
 District: Clay 2 County: Harrison Quadrangle: Clarksburg 7 1/2 227
- 6) WELL OPERATOR Hydrocarbon Energies, Inc. 7) DESIGNATED AGENT Al Sorcan  
 Address P. O. Drawer 976 23625 Address Rt. 4, Box 444  
Buckhannon, WV 26201 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Steve Casey  
 Address Rt. 2, Box 232 D  
Jane Lew, WV 26378
- 9) DRILLING CONTRACTOR: Name                       
 Address
- 10) PROPOSED WELL WORK: X Drill                      / Drill deeper                      / Redrill                      / Stimulate X  
 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, 3000 feet  
 13) Approximate strata depths: Fresh, 120 feet; salt, 700 feet.  
 14) Approximate coal seam depths: 475, 520, 610 Is coal being mined in the area? Yes                      / No X
- 15) CASING AND TUBING PROGRAM

**RECEIVED**  
 JUN 26 1984  
 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				X	35'			Kinds
Fresh water									
Coal	8 5/8		23	X		1525	1525	to surface	AREAT
Intermediate	"		"	"		"	"	" "	
Production	4 1/2		10 1/2	X			3000	300 sks.	Depths set
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-033-2916-REV Date July 24, 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 July 24, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BLANKET</u>	Agent: <u>LS</u>	Plat: <u>MA</u>	Casing: <u>MA</u>	Fee: <u>627</u>
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*Margaret J. Hasse*  
 Administrator, Office of Oil and Gas

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

File





OFFICE USE ONLY

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

4) WELL LOCATION: District: Way County: Hammond Water field: West Potomac Elevation: 1175 B (If Gas, Production) Shallow Underground storage None

5) WELL OPERATOR: Name: Hydrocarbon Services, Inc. Designated Agent: Al Boncasi Address: Box 414, Bugtunn, WV 26021

6) DRILLING CONTRACTOR: Name: Steve Cassey Address: Box 222, Jane Lew, WV 26026

7) PROPOSED WELL WORK: Drill: None Redrill: None Plug off old formation: None Other physical change in well (specify): None

8) GEOLOGICAL TARGET FORMATION: None

9) ESTIMATED DEPTH OF COMPLETED WELL: 3000 feet

10) APPROXIMATE DATA DEPTH: 150 feet

11) APPROXIMATE COAL SEAM DEPTH: 150 feet

12) CASINO AND TUBING PROGRAM: None

RECEIVED  
JUN 28 1984  
OIL & GAS DIVISION  
DEPT. OF MINES

OFFICE USE ONLY

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

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

OTHER INSPECTIONS

Reason:	Agent:	Permit:	Casing:	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
Josephine Balsley	Hydrocarbon Eng. Inc.	1/8	1117-448
Mrs. David Taylor	"	1/8	1117-456
Margeurite Balsley	"	1/8	1117-452
Oscar Volksdorf	"	1/8	1133-776
Roland Weisner	"	1/8	1133-780



1) Date: June 6, 1984  
2) Operator's Well No. Balsley # 5  
3) API Well No. 47 - 033-2916 (REV)  
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 George Kendal  
Address 609 Spring St.  
Fairmont, WV 26554  
(ii) Name Bridget Kendal  
Address % John & Chris Kendal  
201 South Spruce St  
(iii) Name Birdsboro, Pa  
Address \_\_\_\_\_

5(i) COAL OPERATOR \_\_\_\_\_  
Address \_\_\_\_\_  
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Clay Development  
Address P. O. Box 386  
Shinnston, WV 26431  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
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 lease 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.

RECEIVED

JUN 26 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 Sorcan - President, this 6<sup>th</sup> day of JUNE, 1984. My commission expires 12-20, 1990.

Louis A. Jenani  
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 ———



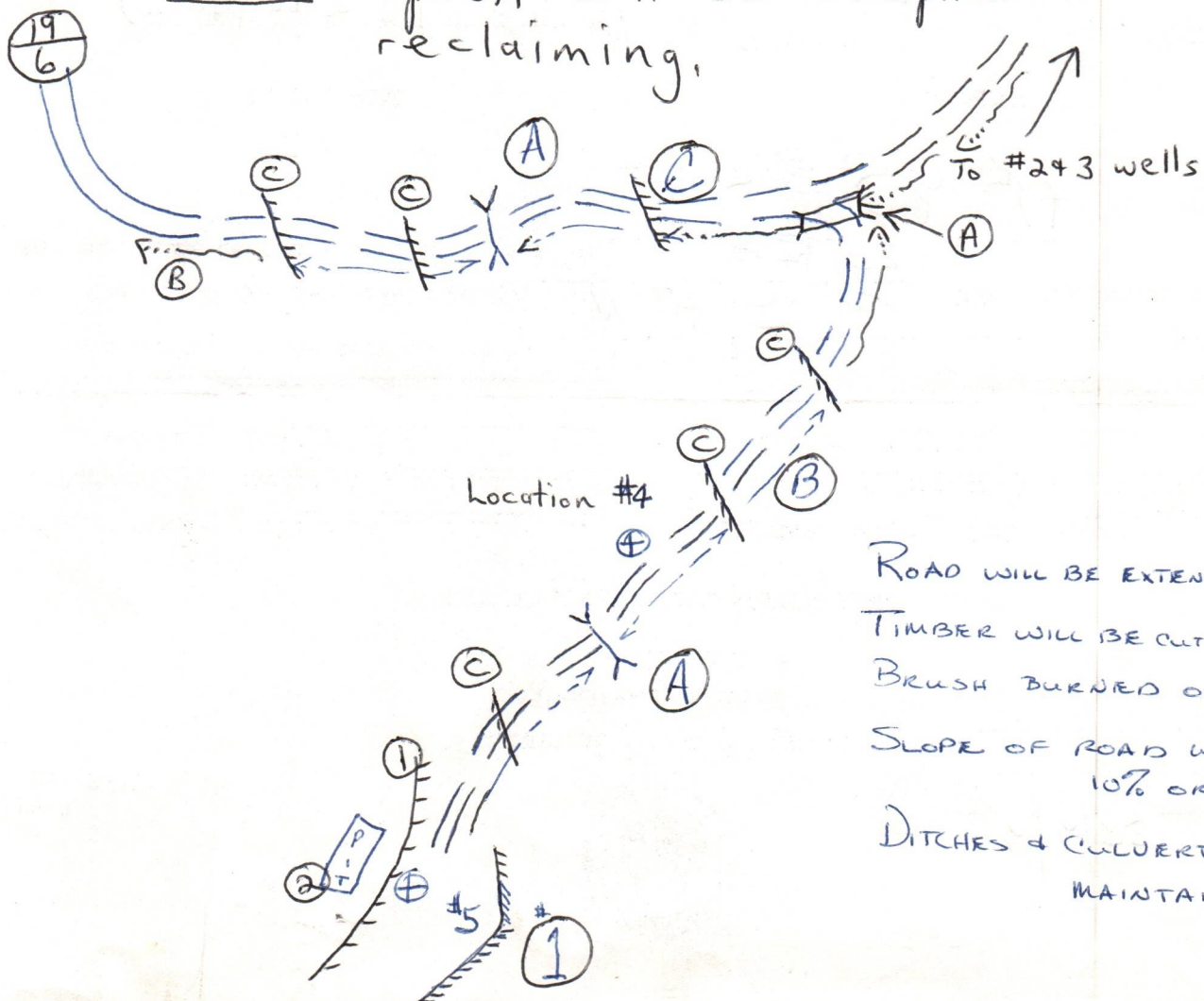
WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, well site, 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	—x—x—x—x—	Wet spot	☉
Planned fence	—/—/—/—/—	Building	■
Stream	~~~~~	Drain pipe	○→○→○→
Open ditch	———>———>———>———>———	Waterway	⇄⇄⇄⇄

Note: Topsoil will be stockpiled for use in reclaiming.



ROAD WILL BE EXTENDED FROM #4  
 TIMBER WILL BE CUT & STACKED  
 BRUSH BURNED OR BURIED.  
 SLOPE OF ROAD WILL BE  
 10% OR LESS.  
 DITCHES & CULVERTS WILL BE  
 MAINTAINED.





State of West Virginia  
 Department of Mines  
 Oil and Gas Division

DATE 6/6/83  
 WELL NO. #5  
 BALSLEY HRS. #5

API NO. 47 - 033 - 2916

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Hydrocarbon Energies Inc.  
 Address PO Drawer 976, Buckhannon, WV  
 Telephone 304/472-9600  
 LANDOWNER George Kendal

DESIGNATED AGENT Alvin Sorcan  
 Address PO Drawer 976, Buckhannon, WV  
 Telephone 304/472-9600  
 SOIL CONS. DISTRICT West Fork SCD  
 Alvin Sorcan (Agent)

This plan has been reviewed by Met Fork SCD. All corrections and additions become a part of this plan: 6/14/83

(SCD Agent) Kenneth E. Wright

ACCESS ROAD

(A) Structure CUTS (according to Oil & Gas Manual) Spacing 2-7 Page Ref. Manual 2-7  
 Structure DRAIN DITCH Spacing ALONG SIDE OF ROAD (Inside road cuts) Page Ref. Manual 2-12  
 Structure BREAKERS Spacing 80-150' APART Page Ref. Manual 2-4

(1) Structure DIVERSION BREAKER Material EARTH (BUILT IF NECESSARY) Page Ref. Manual 2-12  
 Structure DRILLING PIT Material EARTH Page Ref. Manual N/A  
 Structure BRICKS Material BRICKS Page Ref. Manual N/A

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  
 \*Lime according to pH test. Lime Tons/acre 6.5 or correct to pH 6.5  
 Fertilizer lbs/acre 600 (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  
 \*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

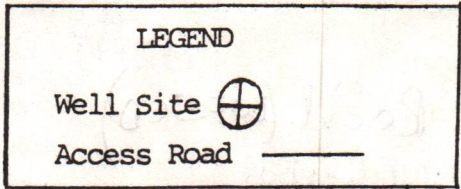
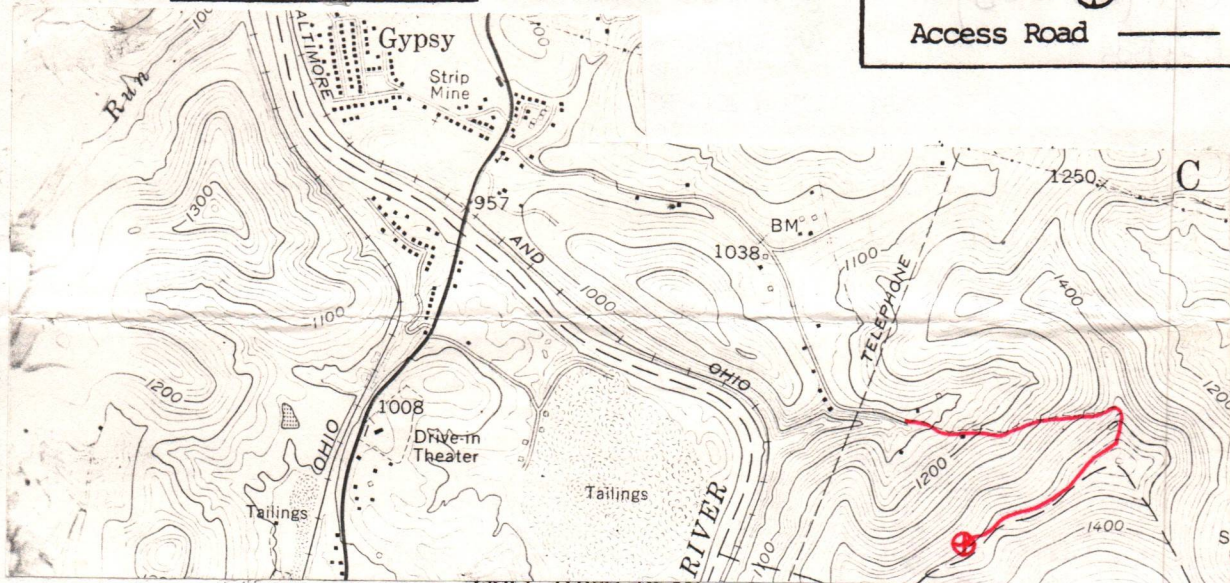
Treatment Area II  
 Lime Tons/acre As Area I or correct to pH  
 Fertilizer lbs/acre (10-20-20 or equivalent)  
 Mulch Tons/acre  
 Seed\* lbs/acre  
 lbs/acre  
 lbs/acre

PLAN PREPARED BY Stewart Richards  
 ADDRESS P.O. Drawer 976  
 Buckhannon, WV 26201  
 PHONE NO. 472-9600

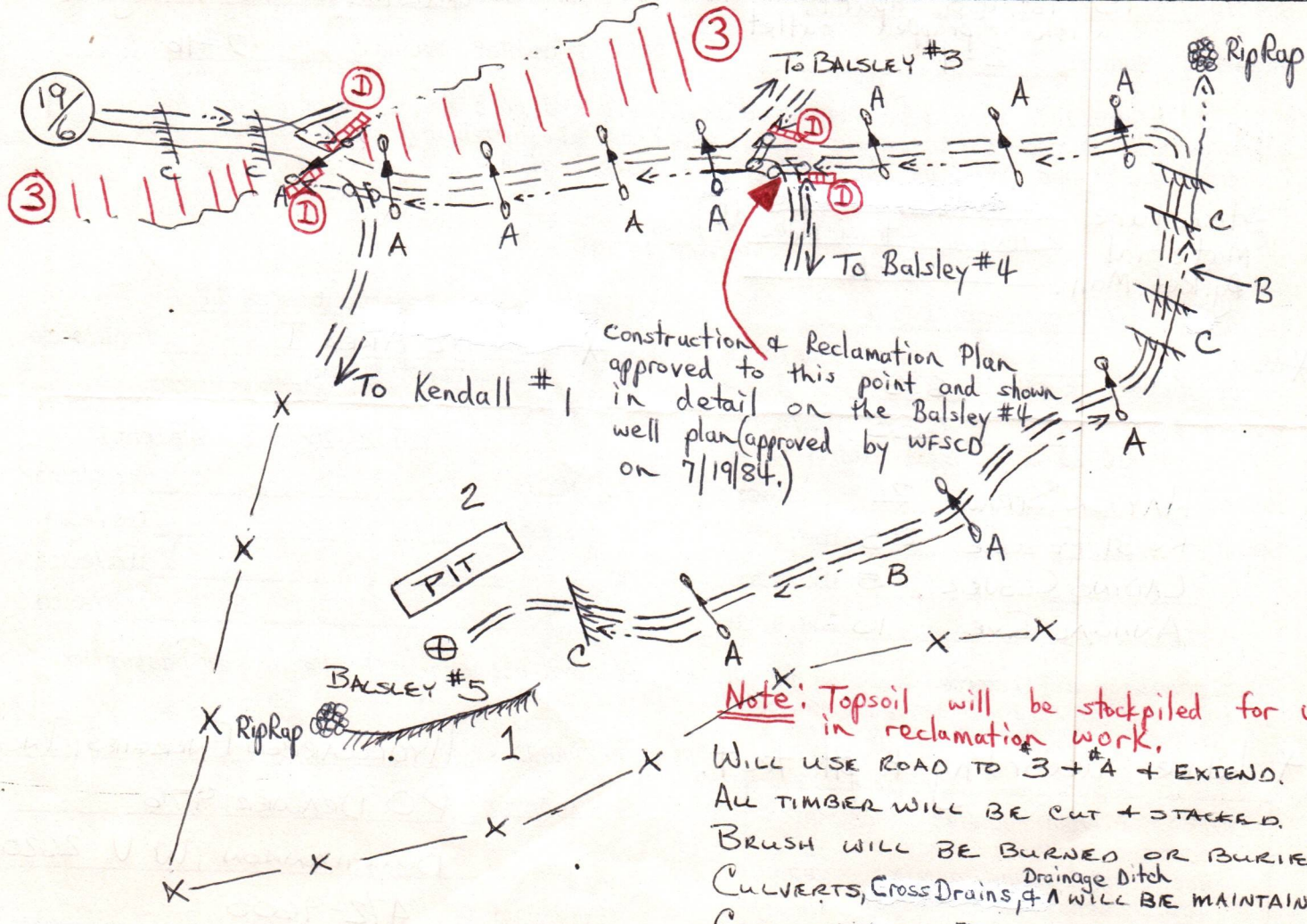
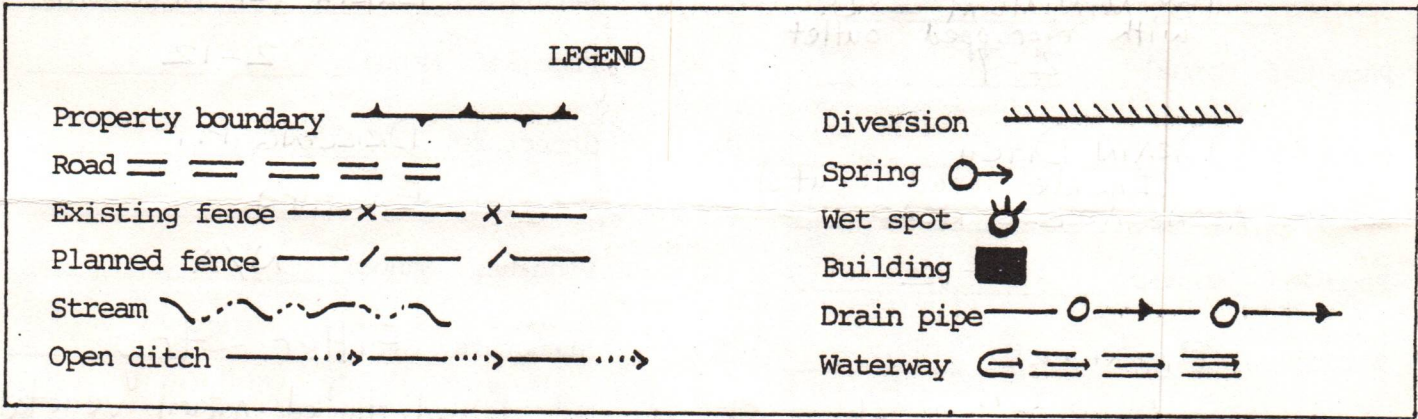
NOTES: Please request landowner cooperation to protect new seeding for one growing season. Attach separate sheets as necessary for comments.



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



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.



Construction & Reclamation Plan approved to this point and shown in detail on the Balsley #4 well plan (approved by WFSO on 7/19/84.)

Note: Topsoil will be stockpiled for use in reclamation work.  
Will use road to 3 + 4 + extend.  
All timber will be cut + stacked.  
Brush will be burned or buried.  
Culverts, Cross Drains, Drainage Ditch, & A will be maintained.  
Cut will be 2:1 or less.





JUL 24 1984

IV-9 (Rev 8-81)

OIL & GAS DIVISION DEPT. OF MINES State of West Virginia

DATE 6-11-84 WELL NO. BALSLEY #5 API NO. 47-033-2619-Rev.

Rec'd. (WFSCD) JUL 6 1984

Department of Mines Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME HYDROCARBON ENERGIES, INC. DESIGNATED AGENT ALVIN SORCAN Address BUCKHANNON, W.V. 26201 Telephone 472-9600 LANDOWNER JOHN KENDAL 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: 7/19/84 (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)

ACCESS ROAD

LOCATION

Structure CULVERT (according to Oil & Gas Manual) Spacing 15 MINIMUM I.D. with riprapped outlet Page Ref. Manual 2-7

Structure DIVERSION BREAKER (1) Material EARTH (IF NECESSARY) Page Ref. Manual 2-12

Structure DRAIN DITCH (Inside road cuts) Spacing ALONG ACCESS ROAD Page Ref. Manual 2-12

Structure DRILLING P.T (2) Material EARTHEN Page Ref. Manual N/A

Structure BREAKERS (C) Spacing 60' to 80' Apart with riprapped outlet Page Ref. Manual 2-4

Structure Filter Strip (3) Material undisturbed natural vegetation Page Ref. Manual 2-16

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.

Structure Sediment Barrier (D) Material Hay or Straw bales Pg. Ref. Man. 2-16 REVEGETATION

Treatment Area I

Treatment Area II

\*Lime or correct to pH 6.5 Tons/acre 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 or correct to pH Tons/acre Fertilizer lbs/acre (10-20-20 or equivalent) Mulch Tons/acre Seed\* lbs/acre

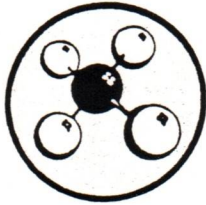
\*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

\*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





*Hydrocarbon Energies, Inc.*

PERMITS & COMPLETION  
COMPLETION - PRODUCTION - WELL OPERATING

**RECEIVED**  
MAY 3 - 1984  
OIL & GAS DIVISION  
DEPT. OF MINES

Post Office Drawer 976  
BUCKHANNON, WEST VIRGINIA 26201

(304) 472-9600

April 30, 1984

Mr. Ted M. Streit  
Department Of Mines  
Oil and Gas Division  
1615 Washington Street East  
Charleston, West Virginia 25311

Dear Ted:

The following permits are undrilled and will expire if they haven't already:

- 1) P. K. Balsly #2 (Harr - 2913)
- 2) P. K. Balsly #3 (Harr - 2914)
- 3) P. K. Balsly #4 (Harr - 2915)
- 4) P. K. Balsly #5 (Harr - 2916)

We will probably be renewing them, but the locations will be revised. Please contact me if I can provide you with any other information. Thank you.

Sincerely,

Louis A. Ferrari  
Land Manager

LAF/mg  
Enclosure



● **SENDER:** Complete items 1, 2, 3, and 4. Add your address in the "RETURN TO" space on reverse.

**(CONSULT POSTMASTER FOR FEES)**

- The following service is requested (check one):
  - Show to whom and date delivered .....
  - Show to whom, date, and address of delivery..
- RESTRICTED DELIVERY**  
(The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$ \_\_\_\_\_

**3. ARTICLE ADDRESSED TO:**

Bridget Kendal  
40 John & Criss Kendal  
201 South Spruce St.  
Bladsboro PA.

ARTICLE NUMBER

P 360-030-465

- 4. TYPE OF SERVICE:**
- REGISTERED
  - INSURED
  - CERTIFIED
  - COD
  - EXPRESS MAIL

(Always obtain signature of addressee or agent)

I have received the article described above:

- Addressee
- Authorized agent

**5. DATE OF DELIVERY**

POSTMARK

**6. ADDRESSEE'S ADDRESS (Only if requested)**

**7. UNABLE TO DELIVER BECAUSE:**

**7a. EMPLOYEES INITIALS**

Balsley #3, #4, #5

**P 360 030 465**  
**RECEIPT FOR CERTIFIED MAIL**

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

SENT TO Bridget Kendal 40 John & Criss Kendal 201 South Spruce St. Bladsboro PA.		POSTAGE \$
CONSULT POSTMASTER FOR FEES		
OPTIONAL SERVICES		
RETURN RECEIPT SERVICE		
SHOW TO WHOM AND DATE DELIVERED	SHOW TO WHOM AND DATE DELIVERED	
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	SHOW TO WHOM AND DATE DELIVERED 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		\$ 0.00
POSTMARK		BLADSBORO PA JUN 2 1984

Balsley #3, #4, #5

**CERTIFIED MAIL**

**P 360 030 465**

W A 111

**RECEIVED**  
JUN 26 1984  
OIL & GAS DIVISION  
DEPT. OF MINES



P 754 105 378

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Balsley-Jett #2 Balsley No 3,4,5

PS Form 3800, Feb. 1982 \* U.S.G.P.O. 1983-403-517

Sent to	Clay Development
Street and No.	P.O. Box 386
P.O. State and ZIP Code	Shinuston W.V. 26437
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$11.45
Postmark or Date	JUN 2 9 1984

CERTIFIED

P 754 105 378

MAIL

DEPT. OF MINES  
OIL & GAS DIVISION

JUN 2 9 1984

RECEIVED

Balsley-Jett #2 Balsley No 3,4,5

SENDER: Complete items 1, 2, 3, and 4. Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

The following service is requested (check one):

Show to whom and date delivered .....

Show to whom, date, and address of delivery .....

RESTRICTED DELIVERY  
(The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$

ARTICLE ADDRESSED TO:  
Clay Development  
P.O. Box 386  
Shinuston W.V. 26437

ARTICLE NUMBER  
P 754 105 378

TYPE OF SERVICE:  
 REGISTERED  INSURED  
 CERTIFIED  COD  
 EXPRESS MAIL

(Always obtain signature of addressee or agent)

I have received the article described above:  
 Addressed  Authorized agent

SIGNATURE

DATE OF DELIVERY

POSTMARK

6. ADDRESSEE'S ADDRESS (Only if required)

7. UNABLE TO DELIVER BECAUSE:

7A. EMPLOYEES INITIALS



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

FORM	PERFS	HOLES	SAND	H2O	RATE*	ISIP	Co2	BRKD
5th Sand	2942-2978	16	59,000	633	26	1900	20tns	2500

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS	
					Including indication of all fresh and salt water, coal, oil and gas	
SH		G S	0	15		
SD		BR M	15	130		
SH		G S	130	255		
SD		BR M	255	460		
SH		G S	460	529		
Coal		BL S	529	537	H2O @ 529'	Coal
SD		W H	537	631		
SH		G S	631	942		
SD		W H	942	1035		
SH		G S	1035	1225		
SD		W H	1225	1360		
SH		G S	1360	1520		
SD		W H	1520	1565		
SH		G S	1565	1949		
Big Lime		G H	1949	1990		
Big Injun		W H	1990	2094		
SH		G S	2094	2496		
50'		W H	2496	2530		
30'		W H	2530	2606		
Gordon Stray		BR M	2606	2716		
Gordon		BR M	2716	2840		
4th Sand		BR M	2840	2900		
Sh		G S	2900	2940		
5th Sand		W H	2940	2980	Gas @ TD Odor-could not test	
SH		G S	2980	3106		
TD				3106		

(Attach separate sheets as necessary)

Well Operator

By: Alvin Loren - President

Date: 10-9-84

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."





IV-35  
(Rev 8-81)

**RECEIVED**

OCT 12 1984

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

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date Oct. 9, 1984  
Operator's Well No. Balsley # 5  
Farm George Kendal  
API No. 47- 033 -2916

**RECEIVED**

MAR 19 1985

OIL & GAS DIVISION

**DEPT. OF MINES**

WELL OPERATOR'S REPORT  
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1475 Watershed West Fork River  
District: Clay County Harrison Quadrangle Clarksburg 7½

COMPANY Hydrocarbon Energies, Inc.

ADDRESS P. O. Drawer 976, Buckhannon

DESIGNATED AGENT Alvin Sorcan

ADDRESS Rt. 4, Box 444, Buckhannon

SURFACE OWNER George Kendal II

ADDRESS 609 Spring St. Fairmont, WV

MINERAL RIGHTS OWNER Josephin Balsley (et al)

ADDRESS 717 Stout St., Bridgeport, WV

OIL AND GAS INSPECTOR FOR THIS WORK Steve Casey

ADDRESS Jane Lew

PERMIT ISSUED 7-24-84

DRILLING COMMENCED 8-21-84

DRILLING COMPLETED 8-25-84

IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON \_\_\_\_\_

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	30'	Pulled	
9 5/8			
8 5/8	1103	1103	To surface 200 sks
7			
5 1/2			
4 1/2		3045	to surface
3			560 sks
2			
Liners used			

GEOLOGICAL TARGET FORMATION 5th Sand Depth 2940 feet

Depth of completed well 3106 feet Rotary X / Cable Tools \_\_\_\_\_

Water strata depth: Fresh 529 feet; Salt None feet

Coal seam depths: 529 Is coal being mined in the area? Yes

OPEN FLOW DATA

Producing formation 5th Sand Pay zone depth 2940-2980 feet

Gas: Initial open flow Smell Mcf/d (Oil: Initial open flow None Bbl/d)

Final open flow 26 Mcf/d Final open flow 6 Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 475 psig (surface measurement) after 72 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



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

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AUG 28 1984

OIL & GAS DIVISION

DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 33-2916

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Hydro-Carbon

Address \_\_\_\_\_

Farm Kendall

Well No. Balsley 5

District Clay County Harr.

Drilling commenced \_\_\_\_\_

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 529 feet \_\_\_\_\_ feet

Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

Drillers' Names COI

Remarks: drl. at 1590'

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

CASING CEMENTED 8 5/8 SIZE 2005K5 No. FT. 1103' Date \_\_\_\_\_

NAME OF SERVICE COMPANY Halliburton

COAL WAS ENCOUNTERED AT 529 FEET 96 INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

5-24-84  
DATE

Steve Casper  
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

AUG 2.8 1984

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 33-2916

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Hydro-Carbon

Address \_\_\_\_\_

Farm G. Kendal

Well No. Balsley 5

District Clay County Harr.

Drilling commenced 8-22-84

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 \_\_\_\_\_ 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 1/2			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 CO 1

Remarks:

8-22-84  
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



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

RECEIVED

AUG 31 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 33-2916

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Hydro Carbon

Address \_\_\_\_\_

Farm Kendal

Well No. Balaly 5

District \_\_\_\_\_ County Haver

Drilling commenced 8-22-84

Drilling completed 8-25 Total depth 3106

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 1/4			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 COI

Remarks: 4 1/2 at 3073' 560 SKS, Halliburton

8-25-84

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, 1985  
Operator's Well No. Balsley # 5  
API Well No. 47 - 033 - 2916  
State County Permit

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

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 2940 feet  
Perforation Interval 2942 - 2978 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
2-22-85		2-28-85		7 Days
TUBING PRESSURE	CASING PRESSURE	SEPARATOR PRESSURE	SEPARATOR TEMPERATURE	
0	560	100	40	
OIL PRODUCTION DURING TEST	GAS PRODUCTION DURING TEST	WATER PRODUCTION DURING TEST & SALINITY		
45.5 bbls.	70 Mcf	None bbls. ppm.		
OIL GRAVITY	PRODUCING METHOD (Flowing, pumping, gas lift, etc.)			
.46 °API	Flowing and Pumping			

GAS PRODUCTION		
MEASUREMENT METHOD		POSITIVE CHOKE
FLANGE TAP <input checked="" type="checkbox"/>	PIPE TAP <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
6.5 bbls.	None bbls.	10 Mcf.	SCF/STB

Hydrocarbon Energies, Inc.  
Well Operator

By: Alvin Sorcan  
Its: President



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MAR 1 9 38

OIL & GAS DIVISION

RECEIVED  
MAR 23 1938

OIL & GAS DIVISION  
DEPT. OF MINES

*Handwritten notes:*  
Mines  
Case No.





State of West Virginia  
 Department of Mines  
 Oil and Gas Division  
 Charleston 25305  
 May 30, 1984

WALTER N. MILLER  
 DIRECTOR

THEODORE M. STREIT  
 ADMINISTRATOR

Hydrocarbon Energies, Inc.  
 P.O. Box 976  
 Buckhannon, W.Va. 26201

In Re: PERMIT NO:	HAR-2916
FARM:	P.K. Balsly Heirs
WELL NO:	Five
DISTRICT:	Clay
COUNTY:	Harrison
ISSUED:	7-18-83

Gentlemen:

The FINAL INSPECTION REPORT for the above captioned well has been received in this office. Only the column checked below applies:

XXX The well designated by the above permit number has been released under your Blanket Bond. (PERMIT CANCELLED - NEVER DRILLED)

Please return the enclosed cancelled single bond which covered the well designated by the above permit number to the surety company who executed said bond in your behalf, in order that they may give you credit on their records.

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

Very truly yours,

*Theodore M. Streit*  
 Theodore M. Streit, Administrator  
 Office of Oil & Gas - Dept. Mines



1-1-77

Received for Recording \_\_\_\_\_ Lease # \_\_\_\_\_  
 Recorded \_\_\_\_\_ Map Ref. \_\_\_\_\_  
 Book \_\_\_\_\_ Pg \_\_\_\_\_ Renewal # \_\_\_\_\_  
 Expires \_\_\_\_\_

BOOK 1117 PAGE 452

### OIL and GAS LEASE

THIS AGREEMENT made and entered into this the 5th day of July,  
 19 82, by and between Marguerite Balsley (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 as follows:

On the North by lands of Minnie Bice  
 On the East by lands of Lister  
 On the South by lands of Stone  
 On the West by lands of Kourpas

**RECEIVED**  
 JUN - 6 1983  
 OIL & GAS DIVISION  
 DEPT. OF MINES

and containing, for the purpose of calculating rentals, 101 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 \_\_\_\_\_

Phoebe Kate Balsley dated 1-27-19

recorded in Book 285, Page 466, in the Recorder's Office of said County, it being the intent of Lessor to include all lands owned by the Lessor in 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.

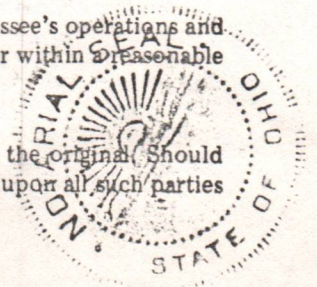
3. Lessor agrees to pay Lessor, in their proportionate shares, an amount of (\$1500.00) Fifteen Hundred Dollars advanced royalty. The advance royalty shall be deducted from the initial royalty checks due to Lessor through the production of oil and/or gas, as described in item 2 above. In the event of completion of a commercially unproductive well on premises, the Lessee shall hold the lease in full force, without rental or royalty payments for a term of one year. At the expiration of this one year period the lease shall become null and void. M-G-B

4. 1/6 of All payments under this lease shall be made by check or voucher to the order of Bend Marguerite Balsley, mailed to 140 Nt. Varsity Drive, South, Ind. 46615

\_\_\_\_\_ 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.



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 herein 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.
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.





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.

b This lease covers one sixth interest in the above described tract.

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.

x Marguerite Balsley

REC'D  
AUG 9 11 51 AM '82  
COUNTY CLERK'S OFFICE  
HARRISON COUNTY  
WEST VIRGINIA

(Seal)

(Seal)

(Seal)

Attest: \_\_\_\_\_

Hydrocarbon Energies, Inc. \_\_\_\_\_

Larry Grubb  
Larry Grubb; Vice-President

Alvin Sorcan  
Alvin Sorcan; President

STATE OF WEST VIRGINIA

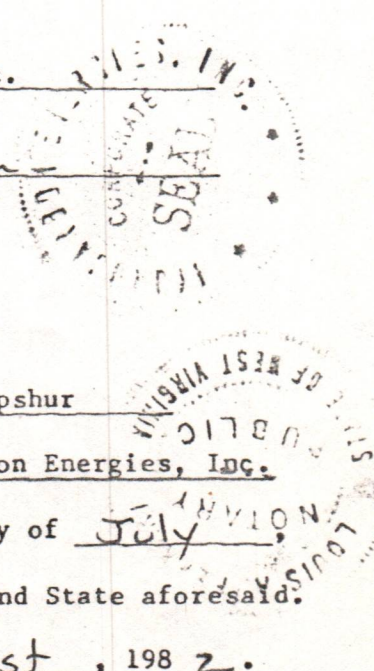
COUNTY OF UPSHUR

I, Louis A. Ferrari, a Notary Public in and for the County of Upshur and State aforesaid, do certify that Alvin Sorcan (President-Hydrocarbon Energies, Inc.) whose name has signed to the writing above, bearing date the 5<sup>th</sup> day of July 1982, has this day acknowledged the same before me in my said County and State aforesaid.

Given under my hand and Official Seal this 1<sup>st</sup> day of August, 1982.

My Commission Expires Dec. 15, 1990.

L.A. Ferrari (Seal)





1-1-77

Received for Recording \_\_\_\_\_ Lease # \_\_\_\_\_  
 Recorded \_\_\_\_\_ Map Ref. \_\_\_\_\_  
 Book \_\_\_\_\_ Pg. \_\_\_\_\_ Renewal # \_\_\_\_\_  
 Expires \_\_\_\_\_

BOOK **1117** PAGE **456** **OIL and GAS LEASE**

THIS AGREEMENT made and entered into this the 5th day of July,  
 19 82, by and between Maude B. Taylor and David D. Taylor (husband)

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 jointly 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 as follows:

On the North by lands of Minnie Bice  
 On the East by lands of Lister  
 On the South by lands of Stone  
 On the West by lands of Kourpas

and containing, for the purpose of calculating rentals, 101 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 \_\_\_\_\_

Phoebe Kate Balsley dated 1-27-19

recorded in Book 285, Page 466, in the Recorder's Office of said  
 County, it being the intent of Lessor to include all lands owned by the Lessor in 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. Lessor agrees to pay Lessor, in their proportionalte shares, an  
 amount of (\$1500.00) Fifteen Hundred Dollars advanced royalty. The  
 advance royalty shall be deducted from the initial royalty checks due  
 to Lessor through the production of oil and/or gas, as described in  
 item 2 above. In the event of completion of a commerically unproductive  
 well on premises, the Lessee shall hold the lease in full force, without  
 rental or royalty payments for a term of one year. At the expiration of  
 this one year period the lease shall become null and void.

4. 1/6 of All payments under this lease shall be made by check or voucher to the order of \_\_\_\_\_  
Maude B. Taylor, mailed to 314 Spring Ave, Clarksburg, WV

26301 until the Lessee shall have written notice from the Lessor, its heirs or assigns, ac-  
 companied 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.



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 herein 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.

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.

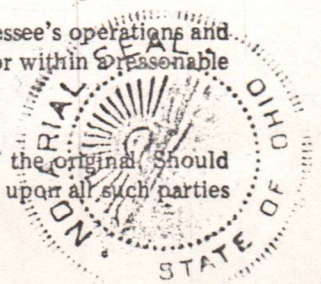
14. It is agreed that said Lessee shall have the privilege of using free of charge sufficient water, oil and gas from the said premises to run all machinery necessary for drilling and operations thereon, and at any time to remove all machinery and fixtures placed on said premises.

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.





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.

This lease covers one ~~half~~ interest in the above described tract.

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.

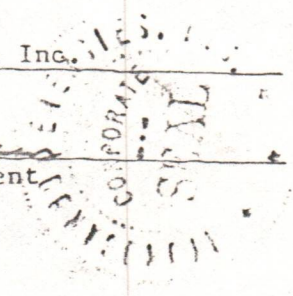
IN WITNESS WHEREOF, the parties to this agreement have hereunto set their hands and seals the day and year first above written.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (Seal)  
\_\_\_\_\_ (Seal)  
\_\_\_\_\_ (Seal)

Naude B. Taylor (Seal)  
Alvin Sorcan

Attest: \_\_\_\_\_  
Larry Grubb  
Larry Grubb, Vice-President

Hydrocarbon Energies, Inc. \_\_\_\_\_  
Alvin Sorcan  
Alvin Sorcan; President



STATE OF WEST VIRGINIA  
COUNTY OF UPSHUR

I, Louis A. Ferrari, a Notary Public in and for the County of Upshur and State aforesaid, do certify that Alvin Sorcan (President-Hydrocarbon Energies, Inc. whose name has signed to the writing above, bearing date the 5<sup>th</sup> day of July, 1982, has this day acknowledged the same before me in my said County and State aforesaid.

Given under my hand and Official Seal this 1<sup>st</sup> day of August, 1982.  
My Commission Expires Dec. 15, 1990.

Louis A. Ferrari (Seal)



1-1-77

Received for Recording \_\_\_\_\_ Lease # \_\_\_\_\_  
 Recorded \_\_\_\_\_ Map Ref. \_\_\_\_\_  
 Book \_\_\_\_\_ Pg \_\_\_\_\_ Renewal # \_\_\_\_\_  
 Expires \_\_\_\_\_

BOOK 1117 PAGE 448 **OIL and GAS LEASE**

THIS AGREEMENT made and entered into this the 5th day of July,  
 1982, by and between Josephine Balsley (widow)

hereinafter called Lessor (whether one or more), and 64 1/2 E. MAIN STREET, P.O. DRAWER 976  
 hereinafter called Lessee, 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 jointly 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 as follows:

On the North by lands of Minnie Bice  
 On the East by lands of Lister Bice  
 On the South by lands of Stone  
 On the West by lands of Kourpas

and containing, for the purpose of calculating rentals, 101 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 Phoebe Kate Balsley dated 1-27-19

recorded in Book 285, Page 466, in the Recorder's Office of said County, ~~it being the intent of Lessor to include all lands owned by the Lessor in 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. Lessor agrees to pay Lessor, in their proportionate shares, an amount of (\$1500.00) Fifteen Hundred Dollars advanced royalty. The advance royalty shall be deducted from the initial royalty checks due to Lessor through the production of oil and/or gas, as described in item 2 above. In the event of completion of a commercially unproductive well on premises, the Lessee shall hold the lease in full force, without rental or royalty payments for a term of one year. At the expiration of this one year period the lease shall become null and void.

4. 1/6 of All payments under this lease shall be made by check or voucher to the order of Josephine Balsley, mailed to 717 Stout St., Bridgeport, WV

2630230 J.B. 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.



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 herein 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.

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.

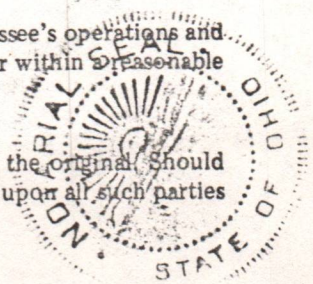
14. It is agreed that said Lessee shall have the privilege of using free of charge sufficient water, oil and gas from the said premises to run all machinery necessary for drilling and operations thereon, and at any time to remove all machinery and fixtures placed on said premises.

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.





~~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.~~

SIXTH J.V.B

This lease covers one ~~half~~ interest in the above described tract.

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.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (Seal)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (Seal)  
\_\_\_\_\_ (Seal)

Josephine Babiley (Seal)

\_\_\_\_\_  
\_\_\_\_\_ (Seal)

\_\_\_\_\_  
\_\_\_\_\_ (Seal)

\_\_\_\_\_ (Seal)

Attest:  
Larry Grubb  
Larry Grubb; Vice-President

Hydrocarbon Energies, Inc.  
Alvin Sorcan  
Alvin Sorcan; President

STATE OF WEST VIRGINIA  
COUNTY OF UPSHUR

I, Louis A. Ferrari, a Notary Public in and for the County of Upshur and State aforesaid, do certify that Alvin Sorcan (President-Hydrocarbon Energies, Inc. whose name has signed to the writing above, bearing date the 5<sup>th</sup> day of July, 1982, has this day acknowledged the same before me in my said County and State aforesaid. Given under my hand and Official Seal this 5<sup>th</sup> day of July, 1982.  
My Commission Expires Dec. 15, 1990.

Louis A. Ferrari (Seal)  
NOTARY PUBLIC  
WEST VIRGINIA  
JUL 2 1982  
UPSHUR COUNTY



**SENDER:** Complete items 1, 2, 3, and 4. Add your address in the "RETURN TO" space on reverse.

**(CONSULT POSTMASTER FOR FEES)**

1. The following service is requested (check one).  
 Show to whom and date delivered .....  
 Show to whom, date, and address of delivery..  
 **RESTRICTED DELIVERY**  
*(The restricted delivery fee is charged in addition to the return receipt fee.)*

TOTAL \$ \_\_\_\_\_

3. ARTICLE ADDRESSED TO:  
**George Kendal**  
**609 Spring St.**  
**Fairmont W.Va. 26554**

4. TYPE OF SERVICE: REGISTERED  INSURED   
 CERTIFIED  COD   
 EXPRESS MAIL  ARTICLE NUMBER **P 360 030 466**

I have received the article described above.  
 SIGNATURE  Addressee  Authorized agent

5. DATE OF DELIVERY \_\_\_\_\_ POSTMARK \_\_\_\_\_

6. ADDRESSEE'S ADDRESS (Only if requested) \_\_\_\_\_

7. UNABLE TO DELIVER BECAUSE: \_\_\_\_\_ 7A. EMPLOYEES INITIALS \_\_\_\_\_

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

Balsley #3, #4, #5

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

**P 360 030 466**

SENT TO  
**George Kendal**  
 STREET AND NO.  
**609 Spring St.**  
 P.O. STATE AND ZIP CODE  
**Fairmont W.V. 26554**

POSTAGE \$ \_\_\_\_\_

CONSULT POSTMASTER FOR FEES	
OPTIONAL SERVICES	
CERTIFIED FEE	_____
SPECIAL DELIVERY	_____
RESTRICTED DELIVERY	_____
RETURN RECEIPT SERVICE	_____
SHOW TO WHOM AND DATE DELIVERED	_____
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY WITH RESTRICTION	_____
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTION	_____
TOTAL POSTAGE AND FEES PAID	_____
POSTMARK OR DATE	_____

BUCKHANNON W.V. JUN 26 1984 4 8 52 NMF

**CERTIFIED MAIL**  
**P 360 030 466**

Balsley #3, #4, #5

**RECEIVED**  
 JUN 26 1984  
 OIL & GAS DIVISION  
 DEPT. OF MINES

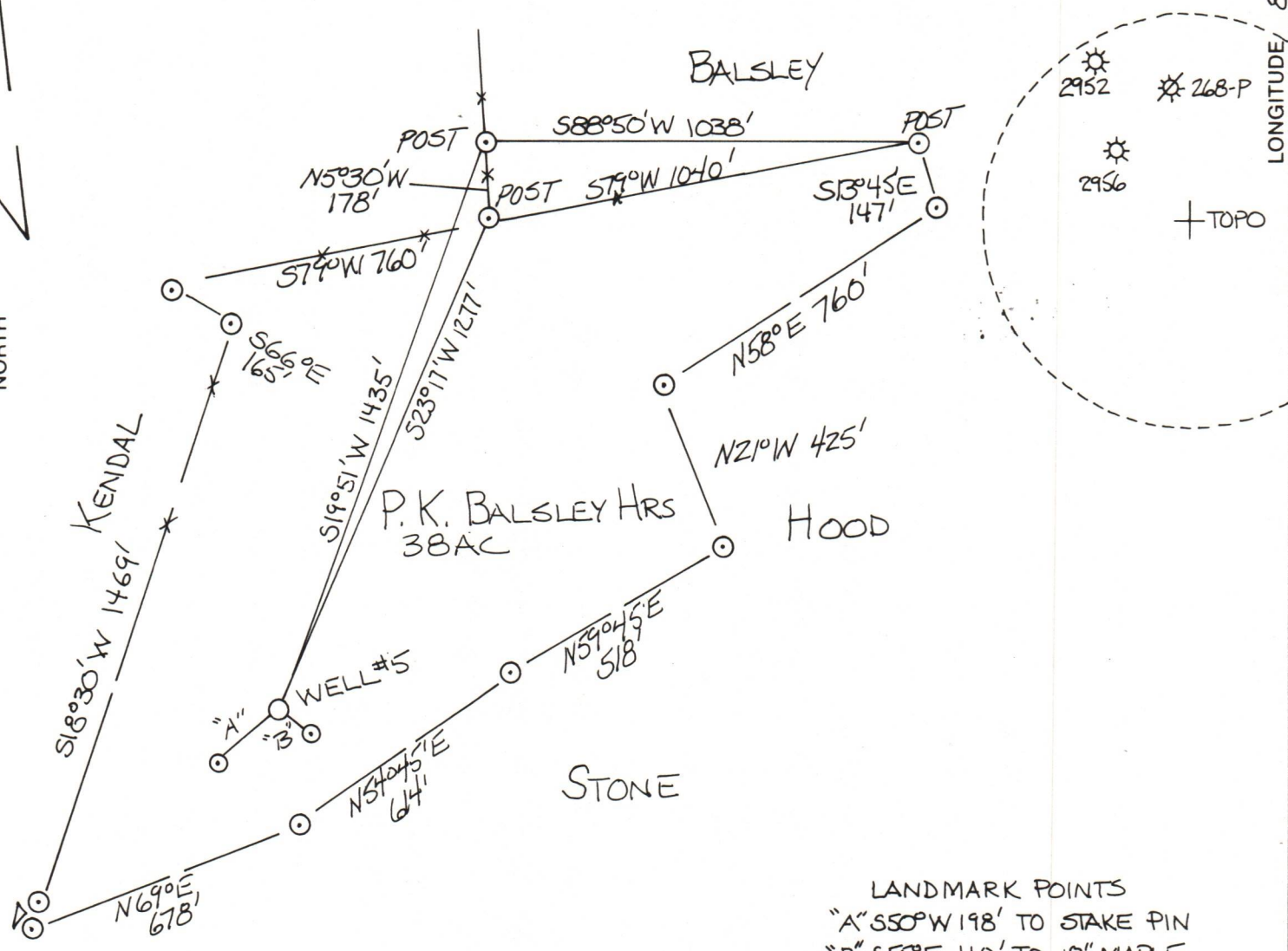


REVISED BALSLEY #5

LATITUDE 39°22'30"

NORTH

LONGITUDE 80°17'30"  
7000'



LANDMARK POINTS  
 "A" S50°W 198' TO STAKE PIN  
 "B" S55°E 110' TO 18" MAPLE

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

FILE NO. 6-8-84  
 DRAWING NO. 6-8-84  
 SCALE 1"=400'  
 MINIMUM DEGREE OF ACCURACY 1/1200  
 PROVEN SOURCE OF ELEVATION Q OF ROADS BM  
±3100' NORTHWEST (1033)

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. Lepat  
 R.P.E. 7410 L.L.S. \_\_\_\_\_



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE JUNE 8, 19 84  
 OPERATOR'S WELL NO. \_\_\_\_\_  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_

47 - 033 - 2916-Rev.  
 STATE COUNTY PERMIT

LOCATION: ELEVATION 1475 WATER SHED WEST FORK RIVER  
 DISTRICT CLAY COUNTY HARRISON  
 QUADRANGLE CLARKSBURG 7 1/2

SURFACE OWNER JOHN KENDAL ACREAGE 38  
 OIL & GAS ROYALTY OWNER P.K. BALSLEY HRS LEASE ACREAGE 38  
 LEASE NO. \_\_\_\_\_

PROPOSED WORK: DRILL X 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 3000  
 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