

FILE COPY

MAY 24 1984

OIL & GAS DIVISION  
DEPT. OF MINES



1) Date: 5-7, 1984  
 2) Operator's Well No. G. Yost #1  
 3) API Well No. 47 - 033 - 3044  
 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: 1159 / Watershed: WEST FORK RIVER M-26  
 District: CLAY / County: HARRISON / Quadrangle: CLARKSBURG 7 1/2
- 6) WELL OPERATOR HYDROCARBON ENERGIES, INC.  
 Address P.O. DRAWER 976 BUCKHANNON, W.V. 26201
- 7) DESIGNATED AGENT ALVIN SORCAN  
 Address RT 4 BOX 444 BUCKHANNON, W.V. 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name STEVE CASEY  
 Address RT 2, BOX 232-D JANE LEW, W.V. 26378
- 9) DRILLING CONTRACTOR:  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_
- 10) PROPOSED WELL WORK: Drill  / Drill deeper  / Redrill  / Stimulate  / Plug off old formation  / Perforate new formation  / Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, 5TH SAND
- 12) Estimated depth of completed well, 2900 feet
- 13) Approximate strata depths: Fresh, 30, 65 feet; salt, 1155 feet.
- 14) Approximate coal seam depths: 190, 255, 570 Is coal being mined in the area? Yes  / No
- 15) CASING AND TUBING PROGRAM

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| 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   |      | 1750              | 1750         | TO SURFACE                           | Sizes                       |
| Intermediate          | 8 5/8          |       | 23             | X   |      | 1750              | 1750         | TO SURFACE                           |                             |
| Production            | 4 1/2          |       | 10 1/2         | X   |      |                   | 2900         | 300 SKS                              | Depths set                  |
| Tubing                |                |       |                |     |      |                   |              |                                      |                             |
| Liners                |                |       |                |     |      |                   |              |                                      | Perforations:<br>Top Bottom |

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-033-3044 Date June 6, 1984

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 June 6, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

|                      |                  |                 |                   |                 |
|----------------------|------------------|-----------------|-------------------|-----------------|
| Bond: <b>BLANKET</b> | Agent: <u>JS</u> | Plat: <u>MM</u> | Casing: <u>MM</u> | Fee: <u>537</u> |
|----------------------|------------------|-----------------|-------------------|-----------------|

*[Signature]*  
Administrator, Office of Oil and Gas

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

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

File

5/29  
5/27







1) Date: \_\_\_\_\_, 19\_\_\_\_  
2) Operator's Well No. G. Yost #1  
3) API Well No. 47-033-3044  
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 GLENN YOST  
Address Box 17  
Gypsy W.V. 26361
- (ii) Name Rhoda SQUIRES  
Address Rt. 35 Box 3  
HEATERS W.V. 26627
- (iii) Name IRENE JETT  
Address P.O. Box 323  
ENTERPRISE W.V. 26568
- (iiii) Shirley KITTLE  
P.O. Box 125 Gypsy W.V.  
26361

5(i) COAL OPERATOR \_\_\_\_\_  
Address \_\_\_\_\_

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Consolidation Coal Co  
Address P.O. Box 1314  
MORGANTOWN W.V. 26505

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:  
Name \_\_\_\_\_  
Address \_\_\_\_\_

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

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

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

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

6) EXTRACTION RIGHTS

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

7) ROYALTY PROVISIONS

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

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

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 Sorean  
this 9 day of May, 19 84  
My commission expires 11/21, 19 90.  
Marcella L. Garrison  
Notary Public, Upshur County,  
State of West Virginia

WELL OPERATOR Hydrocarbon Energies, Inc.  
By Alvin Sorean  
Its President  
Address P. O. Drawer 976  
Buckhannon, WV 26201  
Telephone (304) 472-9600

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DEPT. OF MINES







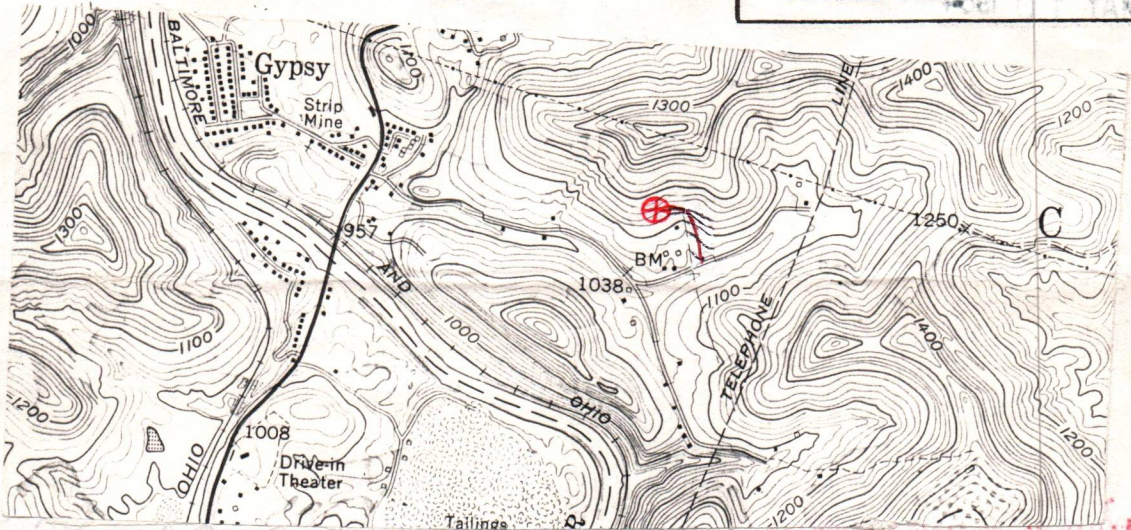
IV-9 REVERSE  
(REV 8-81)

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

LEGEND

Well Site ⊕

Access Road ———

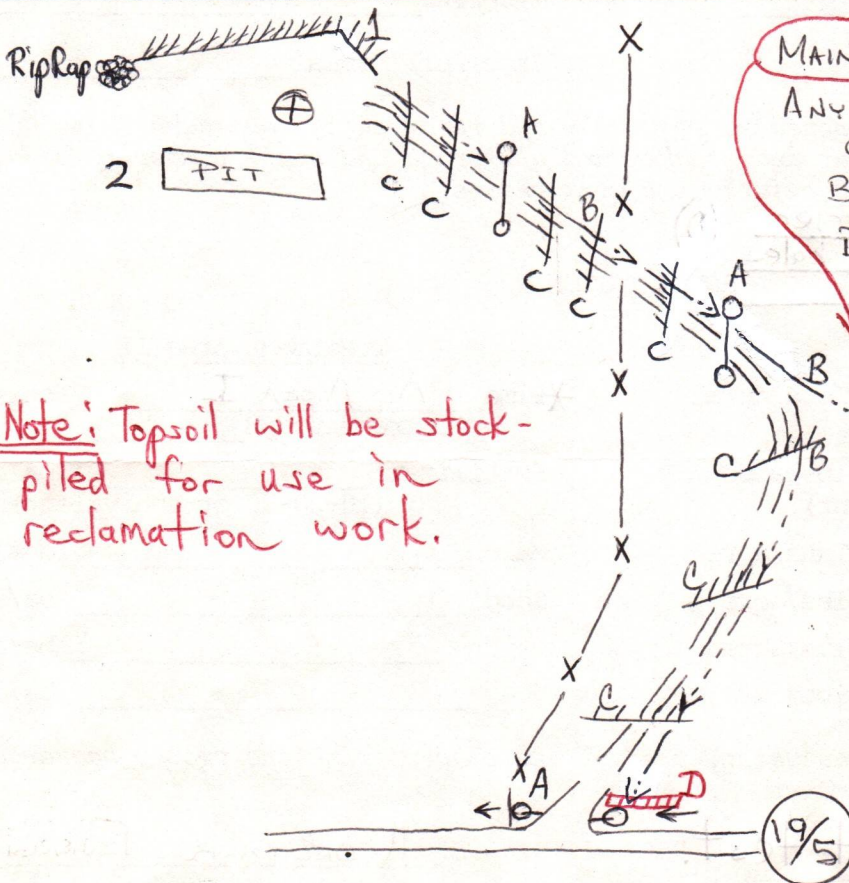


WELL SITE PLAN

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

LEGEND

|                                   |                        |
|-----------------------------------|------------------------|
| Property boundary ———▲—————       | Diversion ———/—————    |
| Road = = = = =                    | Spring ○→              |
| Existing fence ———x—————x—————    | Wet spot ☹             |
| Planned fence ———/—————/—————     | Building ■             |
| Stream ~ ~ ~ ~ ~                  | Drain pipe —○→→→→○→→→→ |
| Open ditch ———>—————>—————>—————> | Waterway <=>=>=>=>=>   |



MAINLY PASTURE FIELD + MEADOW.

ANY TREES ENCOUNTERED WILL BE CUT + STACKED

BRUSH WILL BE BURNED OR BURIED

DITCHES + CULVERTS WILL BE MAINTAINED.

\*Seed Pasture Field with mixture on front side of Reclamation Plan.

\*Seed Meadow with the following mixture:

Orchardgrass - 10 lbs./acre

Red Clover - 12 lbs./acre

Alsike clover - 4 lbs./acre

Note: Topsoil will be stock-piled for use in reclamation work.

19/5



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IV-9 (Rev 8-81)

OIL & GAS DIVISION

DATE 5-7-84  
WELL NO. G. Yost #1  
API NO. 47-033-3043

Rec'd. (WFSCD) DEPT. OF MINES State of West Virginia  
Department of Mines  
Oil and Gas Division

MAY 10 1984

CONSTRUCTION AND RECLAMATION PLAN

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

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

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

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

ACCESS ROAD

LOCATION

Structure CULVERT (18" min. I.D.) (A)  
(according to Oil & Gas Manual of natural drains)  
Spacing 100-200  
Page Ref. Manual 2-7 & 2-8

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

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

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

Structure BREAKERS (C)  
Spacing 75' apart  
Page Ref. Manual 2-4

Structure \_\_\_\_\_ (3)  
Material \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

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

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

Treatment Area I

Treatment Area II

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

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

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

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

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

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



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OIL & GAS DIVISION  
DEPT. OF MINES

BOOK 1134 PAGE 813

OIL and GAS LEASE

THIS AGREEMENT made and entered into this the 1<sup>st</sup> day of FEBRUARY,  
19 84, by and between GLENN H. YOST AND MARY T. YOST (WIFE)

hereinafter called Lessor (whether one or more), and HYDROCARBON ENERGIES INC.  
hereinafter called Lessee,

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 L7  
704

tract of land situate in the Township of CLAY DISTRICT, County of HARRISON,  
State of WEST VIRGINIA, and bounded substantially (now or formerly) as follows:

On the North by lands of I. B. JETT (ET AL)

On the East by lands of I. B. JETT (ET AL)

On the South by lands of RT 19/5

On the West by lands of RT 19/5

and containing, for the purpose of calculating rentals, 14.5 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

DAVID ABRUZZINO dated 3/20/67

recorded in Book 931, Page 560, in the Recorder's Office of said County.

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

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

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

3. If Lessee shall not have either begun operations for the commencement of a well on the premises within 60 days from the date hereof Lessee agrees to pay to the Lessor the sum of ONE - HUNDRED - FORTY - FIVE - 00/100'S DOLLARS (\$ 14.5 00 ) annually, commencing 60 days

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

4. All payments under this lease shall be made by check or voucher to the order of GLENN YOST, mailed to Box 17 Gypsy W.V.A. 26361

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.

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DEPT. OF MINES



12 mg  
300,000  
~~400,000~~

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.



17. my

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

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

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

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

John H. Gant SR

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

Mary J Gost

\_\_\_\_\_

\_\_\_\_\_

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

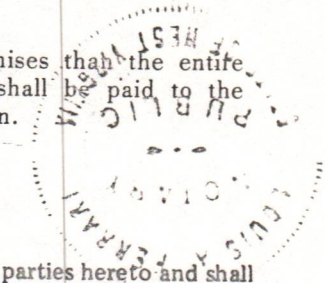
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

X [Signature] (Seal)

Hydrocarbon Energies Inc.





P 360 030 459

RECEIPT FOR CERTIFIED MAIL

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

|                                                                     |            |
|---------------------------------------------------------------------|------------|
| SENT TO                                                             |            |
| Irene Jett                                                          |            |
| STREET AND NO.                                                      |            |
| P. O. Box 323                                                       |            |
| P.O., STATE AND ZIP CODE                                            |            |
| Enterprise, wV 26568                                                |            |
| POSTAGE                                                             | \$         |
| CERTIFIED FEE                                                       | ¢          |
| CONSULT POSTMASTER FOR FEES                                         |            |
| SPECIAL DELIVERY                                                    |            |
| RESTRICTED DELIVERY                                                 |            |
| OPTIONAL SERVICES                                                   |            |
| RETURN RECEIPT SERVICE                                              | ¢          |
| SHOW TO WHOM AND DATE DELIVERED                                     | ¢          |
| SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY                         | ¢          |
| SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY            | ¢          |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY | ¢          |
| TOTAL POSTAGE AND FEES                                              | \$ 0.00    |
| POSTMARK OR DATE                                                    | MAY 8 1984 |
| U.S. POSTAGE                                                        |            |

P 360 030 469

RECEIPT FOR CERTIFIED MAIL

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

|                                                                     |             |
|---------------------------------------------------------------------|-------------|
| SENT TO                                                             |             |
| Lowell Brookover                                                    |             |
| STREET AND NO.                                                      |             |
| P. O. Box                                                           |             |
| P.O., STATE AND ZIP CODE                                            |             |
| Gypsy, WV 26361                                                     |             |
| POSTAGE                                                             | \$          |
| CERTIFIED FEE                                                       | ¢           |
| CONSULT POSTMASTER FOR FEES                                         |             |
| SPECIAL DELIVERY                                                    |             |
| RESTRICTED DELIVERY                                                 |             |
| OPTIONAL SERVICES                                                   |             |
| RETURN RECEIPT SERVICE                                              | ¢           |
| SHOW TO WHOM AND DATE DELIVERED                                     | ¢           |
| SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY                         | ¢           |
| SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY            | ¢           |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY | ¢           |
| TOTAL POSTAGE AND FEES                                              | \$ 0.00     |
| POSTMARK OR DATE                                                    | MAY 24 1984 |
| U.S. POSTAGE                                                        |             |

P 360 030 470

RECEIPT FOR CERTIFIED MAIL

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

|                                                                     |            |
|---------------------------------------------------------------------|------------|
| SENT TO                                                             |            |
| Consolidation Coal                                                  |            |
| STREET AND NO.                                                      |            |
| P. O. Box 1314                                                      |            |
| P.O., STATE AND ZIP CODE                                            |            |
| Morgantown, WV 26505                                                |            |
| POSTAGE                                                             | \$         |
| CERTIFIED FEE                                                       | ¢          |
| CONSULT POSTMASTER FOR FEES                                         |            |
| SPECIAL DELIVERY                                                    |            |
| RESTRICTED DELIVERY                                                 |            |
| OPTIONAL SERVICES                                                   |            |
| RETURN RECEIPT SERVICE                                              | ¢          |
| SHOW TO WHOM AND DATE DELIVERED                                     | ¢          |
| SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY                         | ¢          |
| SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY            | ¢          |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY | ¢          |
| TOTAL POSTAGE AND FEES                                              | \$ 0.00    |
| POSTMARK OR DATE                                                    | MAY 8 1984 |
| U.S. POSTAGE                                                        |            |

RECEIVED  
MAY 24 1984  
OIL & GAS DIVISION  
DEPT. OF MINES

RECEIVED  
MAY 11 1984  
OIL & GAS DIVISION  
DEPT. OF MINES

P 360 030 471

RECEIPT FOR CERTIFIED MAIL

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

|                                                                     |            |
|---------------------------------------------------------------------|------------|
| SENT TO                                                             |            |
| Shirley Kittle                                                      |            |
| STREET AND NO.                                                      |            |
| P. O. Box 125                                                       |            |
| P.O., STATE AND ZIP CODE                                            |            |
| Gypsy, WV 26361                                                     |            |
| POSTAGE                                                             | \$         |
| CERTIFIED FEE                                                       | ¢          |
| CONSULT POSTMASTER FOR FEES                                         |            |
| SPECIAL DELIVERY                                                    |            |
| RESTRICTED DELIVERY                                                 |            |
| OPTIONAL SERVICES                                                   |            |
| RETURN RECEIPT SERVICE                                              | ¢          |
| SHOW TO WHOM AND DATE DELIVERED                                     | ¢          |
| SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY                         | ¢          |
| SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY            | ¢          |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY | ¢          |
| TOTAL POSTAGE AND FEES                                              | \$ 0.00    |
| POSTMARK OR DATE                                                    | MAY 8 1984 |
| U.S. POSTAGE                                                        |            |

P 360 030 457

RECEIPT FOR CERTIFIED MAIL

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

|                                                                     |            |
|---------------------------------------------------------------------|------------|
| SENT TO                                                             |            |
| Glenn Yost                                                          |            |
| STREET AND NO.                                                      |            |
| Box 17                                                              |            |
| P.O., STATE AND ZIP CODE                                            |            |
| Gypsy, WV 26361                                                     |            |
| POSTAGE                                                             | \$         |
| CERTIFIED FEE                                                       | ¢          |
| CONSULT POSTMASTER FOR FEES                                         |            |
| SPECIAL DELIVERY                                                    |            |
| RESTRICTED DELIVERY                                                 |            |
| OPTIONAL SERVICES                                                   |            |
| RETURN RECEIPT SERVICE                                              | ¢          |
| SHOW TO WHOM AND DATE DELIVERED                                     | ¢          |
| SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY                         | ¢          |
| SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY            | ¢          |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY | ¢          |
| TOTAL POSTAGE AND FEES                                              | \$ 0.00    |
| POSTMARK OR DATE                                                    | MAY 8 1984 |
| U.S. POSTAGE                                                        |            |

P 360 030 458

RECEIPT FOR CERTIFIED MAIL

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

|                                                                     |            |
|---------------------------------------------------------------------|------------|
| SENT TO                                                             |            |
| Rhoda Squires                                                       |            |
| STREET AND NO.                                                      |            |
| Rt. 35, Box 5                                                       |            |
| P.O., STATE AND ZIP CODE                                            |            |
| Heaters, WV 26627                                                   |            |
| POSTAGE                                                             | \$         |
| CERTIFIED FEE                                                       | ¢          |
| CONSULT POSTMASTER FOR FEES                                         |            |
| SPECIAL DELIVERY                                                    |            |
| RESTRICTED DELIVERY                                                 |            |
| OPTIONAL SERVICES                                                   |            |
| RETURN RECEIPT SERVICE                                              | ¢          |
| SHOW TO WHOM AND DATE DELIVERED                                     | ¢          |
| SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY                         | ¢          |
| SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY            | ¢          |
| SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY | ¢          |
| TOTAL POSTAGE AND FEES                                              | \$ 0.00    |
| POSTMARK OR DATE                                                    | MAY 8 1984 |
| U.S. POSTAGE                                                        |            |

PS Form 3800, Apr. 1976

PS Form 3800, Apr. 1976

PS Form 3800, Apr. 1976

PS Form 3800, Apr. 1976







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

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

Perfs:                      BKRD                      Rate                      PSI                      Sand                      H2O                      CO2                      ISIP

2665 -                      3400                      26BPM                      2600                      59,000#                      645                      16Ton                      1800#

2681

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        | 55          | Water @ 1019                                                        |
| Sand            | Br      | M            | 55       | 72          |                                                                     |
| Shale           | Gr      | S            | 72       | 234         | Coals @ 234, 949                                                    |
| Coal            | Bl      | S            | 234      | 243         |                                                                     |
| Shale           | Gr      | S            | 243      | 597         |                                                                     |
| Sand            | Br      | M            | 597      | 620         |                                                                     |
| Shale           | Gr      | S            | 620      | 885         |                                                                     |
| Sand            | W       | H            | 885      | 949         |                                                                     |
| Coal            | Bl      | S            | 949      | 957         |                                                                     |
| Shale           | Gr      | S            | 957      | 1210        |                                                                     |
| Sand            | W       | H            | 1210     | 1265        |                                                                     |
| Shale           | Rd & Gr | S            | 1265     | 1612        |                                                                     |
| Big<br>Lime     | Br      | H            | 1612     | 1682        |                                                                     |
| Big<br>Injun    | W       | H            | 1682     | 1780        | Show Gas @ 1715'                                                    |
| Shale           | Gr      | S            | 1780     | 2184        |                                                                     |
| 50'             | W       | H            | 2184     | 2210        |                                                                     |
| 30'             | W       | H            | 2210     | 2308        | Show Gas @ 2250'                                                    |
| Gordon<br>Stray | Br      | M            | 2308     | 2404        |                                                                     |
| Gordon          | Br      | M            | 2404     | 2525        |                                                                     |
| 4th<br>Sand     | Br      | M            | 2525     | 2584        | Show Gas A 2555'                                                    |
| Shale           | Gr      | S            | 2584     | 2666        |                                                                     |
| 5th<br>Sand     | Br      | M            | 2666     | 2725        | Show Gas @ 2710'                                                    |
| Shale           | Gr      | S            | 2725     | 2828        |                                                                     |
| T. D.           |         |              |          | 2828        | Check Gas @ TD 26M                                                  |

(Attach separate sheets as necessary)

Well Operator \_\_\_\_\_

By: Alvin Loren

Date: \_\_\_\_\_

Note: Regulation 2.02(i) provides as follows:  
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."







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

RECEIVED

JUL - 2 1984

OIL & GAS DIVISION  
DEPT. OF MINES  
INSPECTOR'S WELL REPORT

Permit No. 33-3044

Oil or Gas Well  
(KIND)

Company Hydro Carbon Energy

Address \_\_\_\_\_

Farm G. Gost

Well No. \_\_\_\_\_

District Clay County Harr.

Drilling commenced 6-24-84

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 1019 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 234 FEET 108 INCHES

949 FEET 96 INCHES FEET \_\_\_\_\_ INCHES

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

Drillers' Names C O Z

Remarks: 8 5/8 at 1186' 350 SKS. Halliburton

6-25-84  
DATE

Steve Casey  
DISTRICT WELL INSPECTOR







**RECEIVED**

JAN - 8 1985

**OIL & GAS DIV.  
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.  
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 2672 - 2734 feet  
Perforation Interval 2678 - 2710 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 |
| 11-1-84                    |                                                     | 11-29-84                                |                       | 28 days          |
| TUBING PRESSURE            | CASING PRESSURE                                     | SEPARATOR PRESSURE                      | SEPARATOR TEMPERATURE |                  |
| 145                        | 460                                                 | 140                                     | 40                    |                  |
| OIL PRODUCTION DURING TEST | GAS PRODUCTION DURING TEST                          | WATER PRODUCTION DURING TEST & SALINITY |                       |                  |
| 203 bbls.                  | 720 Mcf                                             | .8 bbls. ppm.                           |                       |                  |
| OIL GRAVITY                | PRODUCING METHOD (Flowing, pumping, gas lift, etc.) |                                         |                       |                  |
| .47 °API                   |                                                     |                                         |                       |                  |

| 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 |
| 7.25 bbls.   | .03 bbls.   | 25.7 Mcf. | 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**  
January 30, 1985

COMPANY Hydrocarbon Energies, Inc.

PERMIT NO 033-3044 (6-06-84)

P. O. Drawer 976

FARM & WELL NO Glenn Yost #1

Buckhannon, West Virginia 26201

DIST. & COUNTY Clay/Harrison

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

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

SIGNED Steve Casey

DATE 10-29-85

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

T. L. ...

Administrator-Oil & Gas Division

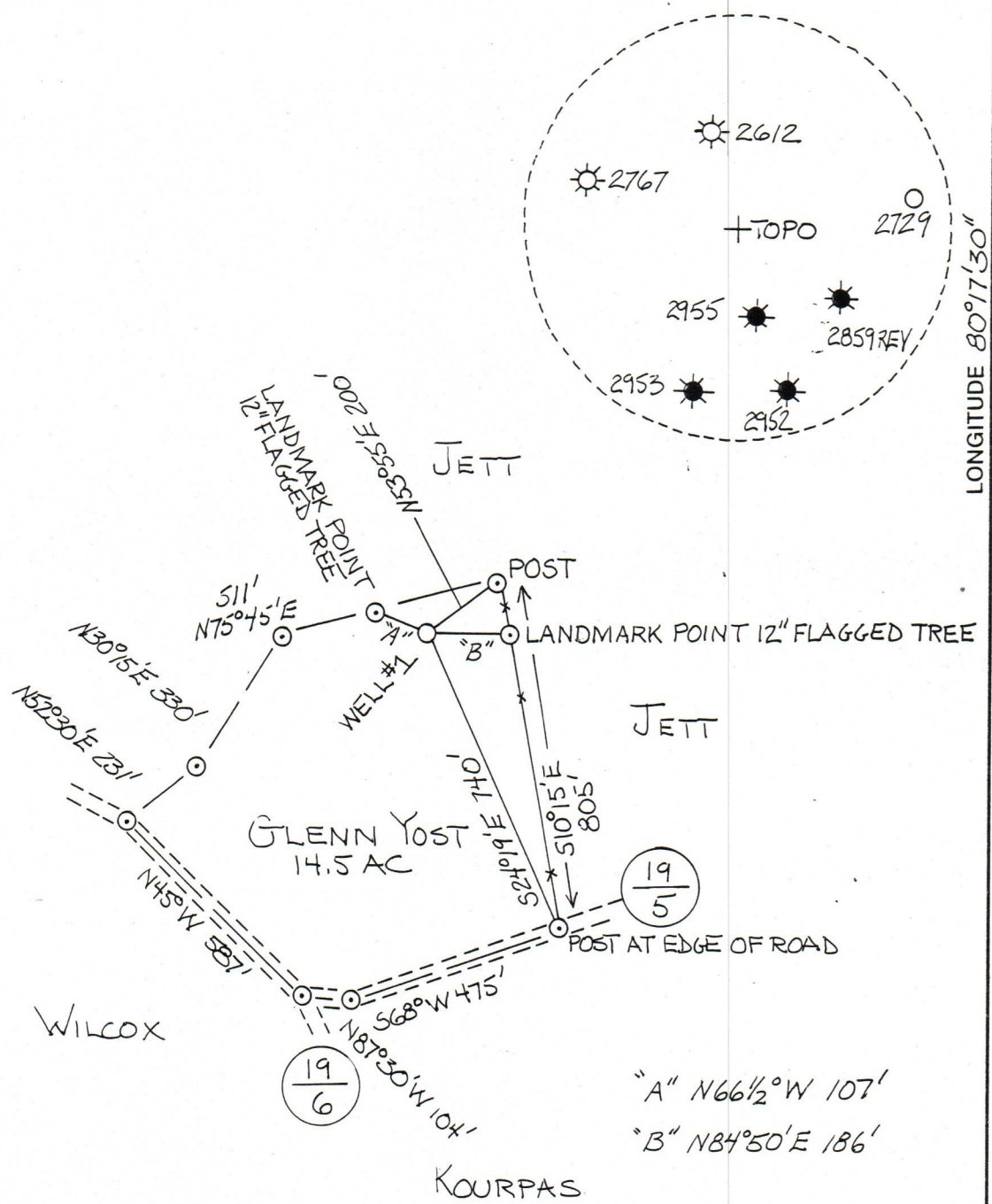
November 5, 1985  
DATE



2900'  
LATITUDE 39°22'30"

LONGITUDE 80°17'30"

NORTH



WILCOX

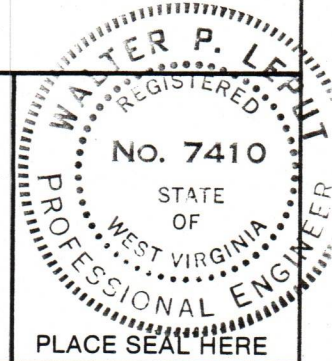
KOURPAS

"A" N66½°W 107'  
 "B" N84°50'E 186'

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

FILE NO. 4-23-1984  
 DRAWING NO. 4-23-1984  
 SCALE 1"=400'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION BM ± 800' SOUTH WEST (1038)

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 (SIGNED) Walter P. Leput  
 R.P.E. 7410 L.L.S. \_\_\_\_\_



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



DATE APR 23, 19 84  
 OPERATOR'S WELL NO. \_\_\_\_\_  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 1159 WATERSHED WEST FORK RIVER  
 DISTRICT CLAY COUNTY HARRISON  
 QUADRANGLE CLARKSBURG 7 1/2

SURFACE OWNER GLENN YOST ACREAGE 14.5  
 OIL & GAS ROYALTY OWNER GLENN YOST LEASE ACREAGE 14.5  
 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 2900 ft.  
 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

FORM IV-6 (8-78)  
H.T. HALL