



1) Date: August 15, 19 84
 2) Operator's Well No. Grogg # 1
 3) API Well No. 47 - 033 - 3077
 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: 1012 Watershed: Jack Run MWISA
 District: Simpson County: Harrison Quadrangle: Clarksburg 7 1/2
- 6) WELL OPERATOR Hydrocarbon Energies, Inc. 7) DESIGNATED AGENT Alvin Sorcan
 Address P. O. Drawer 976 Address Route 4, Box 444
Buckhannon, WV 26201 Buckhannon, W. Va. 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: 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 trata depths: Fresh, 55 feet; salt, 680 feet.
- 14) Approximate coal seam depths: 20, 185, 220, 295 Is coal being mined in the area? Yes / No
- 15) CASING AND TUBING PROGRAM

RECEIVED
 AUG 27 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		
Conductor	11 3/4				X	30'		Kinds
Fresh water								
Coal	8 5/8		23	X		1100'	1100'	To Surface Sizes NEAT
Intermediate	8 5/8		23	X		1100'	1100'	To Surface
Production	4 1/2		10 1/2	X			2900'	300 Sks. Depths set
Tubing								<i>or as required by</i>
Liners								Perforations: <i>rule 15.01</i> Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-033-3077 Date September 12, 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 September 12, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: 78 BLANKET	Agent: <u>[Signature]</u>	Plat: <u>MW</u>	Casing: <u>MW</u>	Fee: <u>952</u>
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Margaret J. Dasse
 Administrator, Office of Oil and Gas

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



OFFICE USE ONLY

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

RECEIVED
 AUG 27 1984

1) WELL LOCATION: _____
 2) WELL OPERATOR: _____
 3) DRILLING CONTRACTOR: _____
 4) PROPOSED WELL WORK: _____
 5) GEOLOGICAL TARGET FORMATION: _____
 6) ESTIMATED DEPTH OF COMPLETED WELL: _____
 7) APPROXIMATE TANK DEPTH: _____
 8) APPROXIMATE COST PER FOOT: _____

OFFICE USE ONLY

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

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

OTHER INSPECTIONS

Reason: _____
 Reason: _____

Blanket	Agent	Blac	Casing	Loc
---------	-------	------	--------	-----

RECEIVED
SEP 12 1984



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3) API Well No. 47 State _____ County _____ Permit _____

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

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B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow /)
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8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
Name Steve Casey Name _____
Address Rt. 2, Box 232-D Address _____
Jane Lew, WV 26378

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Plug off old formation _____ / Perforate new formation _____
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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	<u>11 3/4</u>				<input checked="" type="checkbox"/>	<u>30'</u>			Kinds
Fresh water									
Coal	<u>8 5/8</u>		<u>23</u>	<input checked="" type="checkbox"/>		<u>1100'</u>	<u>1100'</u>	<u>To Surface</u>	Sizes
Intermediate	<u>8 5/8</u>		<u>23</u>	<input checked="" type="checkbox"/>		<u>1100'</u>	<u>1100'</u>	<u>To Surface</u>	
Production	<u>4 1/2</u>		<u>10 1/2</u>	<input checked="" type="checkbox"/>			<u>2900'</u>	<u>300 Sks.</u>	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: _____
By _____
Its _____ Date _____

Annabell Grogg Date: 9-11-84
(Signature)

(Signature) Date: _____

FRESA Construction

**INSTRUCTIONS TO SURFACE OWNERS
AND
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (**NOTE:** If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington Street East
Charleston, West Virginia 25311
(304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- "(1) The proposed well work will constitute a hazard to the safety of persons; or
- "(2) The plan for soil erosion and sediment control is not adequate or effective; or
- "(3) Damage would occur to publicly owned lands or resources; or
- "(4) The proposed well work fails to protect fresh water sources or supplies."

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.

1508-880-

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
<i>Annabelle Grogg</i>	<i>Wallis Petro</i>	<i>1/8</i>	<i>1127-333</i>
<i>Wallis Petro</i>	<i>Hydrocarbon Energies</i>	<i>Assignment to be recorded</i>	

1) Date: August 15, ,19 84
2) Operator's
Well No. Grogg #1
3) API Well No. 47-033-3077
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 AnnaBell Grogg
Address Rt. 2, Box 76A
Bridgeport, WV 26330
(ii) Name _____
Address _____
(iii) Name _____
Address _____

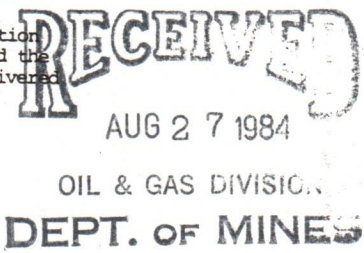
5(i) COAL OPERATOR
Address _____
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Fresa Construction Company
Address P.O. Box 187
Bridgeport, WV 26330
Name _____
Address _____
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

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 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 Sargan
this 15 day of August, 1984.
My commission expires 9/3, 1984.
Stavlen K. Carpenter
Notary Public, Upshur County,
State of West Virginia

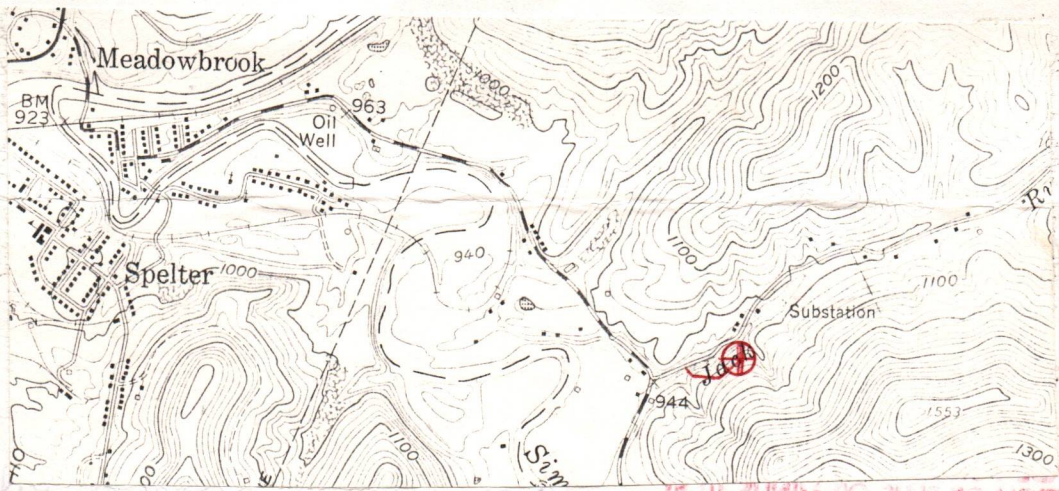
WELL
OPERATOR Hydrocarbon Energies, Inc.
By Alvin Sargan
Its President
Address P.O. Drawer 976
Buckhannon, WV 26201
Telephone (304) 472-9600

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

LEGEND

Well Site ⊕

Access Road ———



WELL SITE PLAN

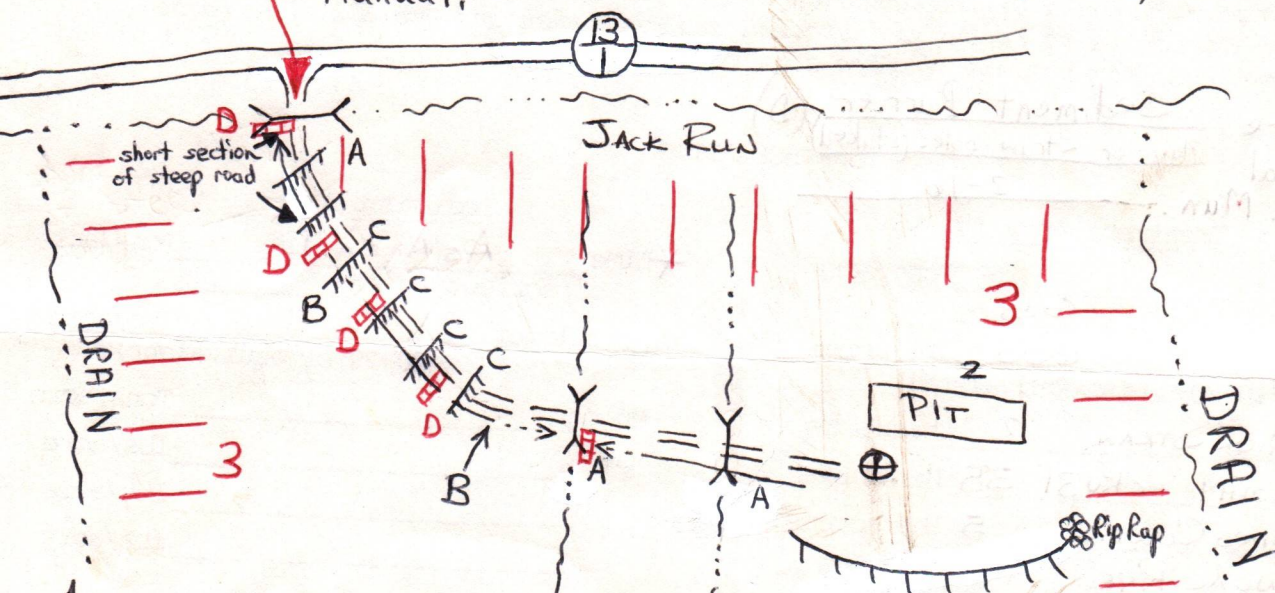
THIS REVIEW IS MADE TO VERIFY THE CHANGE OF ELEVATION OF PINS OR MARKS OR SLOPE OF PINS OR MARKS IS PERCENT MARKS ARE NOT ACCEPTABLE TO PROCEED

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 ⊕ = = = = =

Note: When crossing Jack Run, construct structures that meet specifications on pg. 2-20 (sec. 10) in Oil & Gas Manual.



- APPROACH & STREAM CROSSING WILL BE STONED.
- ALL TIMBER WILL BE CUT & STACKED.
- BRUSH WILL BE BURNED OR BURIED.
- SLOPE OF ROAD WILL BE 20% OR LESS.
- CULVERTS & DITCHES WILL BE MAINTAINED.

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



IV-9
(Rev 8-81)

OIL & GAS DIVISION

DATE 8-15-84
WELL NO. GROGG #1
API NO. 47 - 033 - 3077

Rec'd. (WF DEPT. OF MINES) State of West Virginia
AUG 17 1984
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME HYDROCARBON ENERGIES, INC. DESIGNATED AGENT ALVIN SORCAN
Address P.O. DRAWER 976, BUCKHANNON, W.V. Address BUCKHANNON, W.V. 26201
Telephone 472-9600 Telephone 472-9600
LANDOWNER A. Grogg 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: 8/31/84 (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 8/17/84
(SCD Agent)

ACCESS ROAD
Structure CULVERT (A)
Spacing According to Oil & Gas Manual (at natural drains) 16 MINIMUM I.D. with 2 rippapped outlet
Page Ref. Manual 2-12
Structure DRAIN DITCH (B)
Spacing INSIDE ROAD CUTS ALONG ACCESS ROAD
Page Ref. Manual 2-12
Structure Cross Drains (C)
Spacing 45' apart with rippapped outlet
Page Ref. Manual 2-4

LOCATION
Structure DIVERSION BREAKER (1)
Material EARTH
Page Ref. Manual 2-12
Structure DRILLING PIT (2)
Material EARTH
Page Ref. Manual N/A
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 (staked)
Pg. Ref. Man. 2-16
REVEGETATION

*Lime Treatment Area I 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* TIMOTHY OR KY31 35 lbs/acre
LADINO CLOVER 5 lbs/acre
ANNUAL RYE 10 lbs/acre

Treatment Area II
*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

COAL OWNER'S COPY
RECEIVED
SEP 12 1984



1) Date: August 15, 19 84
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OIL & GAS DIVISION
DEPT. OF MINES
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
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Jane Lew, WV 26378
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15) CASING AND TUBING PROGRAM

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Coal	<u>8 5/8</u>		<u>23</u>	<input checked="" type="checkbox"/>		<u>1100'</u>	<u>1100'</u>	<u>To Surface</u>	Sizes
Intermediate	<u>8 5/8</u>		<u>23</u>	<input checked="" type="checkbox"/>		<u>1100'</u>	<u>1100'</u>	<u>To Surface</u>	
Production	<u>4 1/2</u>		<u>10 1/2</u>	<input checked="" type="checkbox"/>			<u>2900'</u>	<u>300 Sks.</u>	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of the filing of the Application.

WAIVER

The undersigned coal operator / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: 9-11, 19 84
By: FRESA Construction
M. P. [Signature]
Its: Pres.



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

1) Date: _____
2) Operator's Well No.: _____
3) API Well No.: _____
County: _____ State: _____ Permit: _____

1) WELL TYPE: A OR B
B. Oil, Gas, Production
C. Water, Production
D. Water, Injection
E. Other: _____
F. Other: _____

2) LOCATION: Location: _____
County: _____
Quarter: _____

3) WELL OPERATOR: Name: _____
Address: _____

4) DRILLING CONTRACTOR: Name: _____
Address: _____

5) PROPOSED WELL WORK: Drill depth: _____
Type of old formation: _____
Other physical change in well (specify): _____

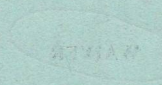
6) GEOLOGICAL TARGET FORMATION: _____

7) Estimated depth of completed well: _____
8) Approximate water depth: _____
9) Approximate oil yield: _____
10) Is well being mined in the area? Yes/No

Casing or Tubing Program	Approximate Yield	Approximate Water Depth	Estimated Depth of Completed Well		Approximate Oil Yield		Approximate Water Depth		Is well being mined in the area?
			Feet	Feet	Barrels	Barrels	Feet	Feet	
Production									
Injection									
Other									

INSTRUCTIONS TO COAL OPERATOR, OWNER OR LESSEE: The following water must be completed by the coal operator and by any coal owner or coal lessee who has received a declaration under Code 21-2-20. If the permit is to be issued within 180 days of the filing of the application, the Department will not require the permit to be filed with the Department of Mines within 180 days after the receipt of the application by the Department.

The following water must be completed by the coal operator and by any coal owner or coal lessee who has received a declaration under Code 21-2-20. If the permit is to be issued within 180 days of the filing of the application, the Department will not require the permit to be filed with the Department of Mines within 180 days after the receipt of the application by the Department.



Date: _____
By: _____
By: _____

P 754 105 382

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

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

Sent to Fresa Construction Co.	
Street and No. P.O. Box 187	
P.O., State and ZIP Code Bridgeport, WV 26330	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	<input checked="" type="checkbox"/>
Return receipt showing to whom Date, and Address of Delivery	
TOTAL Postage and Fees	172
Postmark or Date	1984 AUG 24 51099 #1
Predrill letter 8123184	

RECEIVED

AUG 27 1984

OIL & GAS DIVISION
DEPT. OF MINES

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

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

Sent to <i>Annabel Grogg</i>	
Street and No. <i>Rt 2</i>	
P.O., State and ZIP Code <i>Box 76 A, Bridgport W.V. 26330</i>	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	<input checked="" type="checkbox"/>
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ <i>1.72</i>
Postmark or Date <i>8/24 1984</i> <i>Predr. Ltr</i> <i>Letter</i> <i>8/23/84</i>	

RECEIVED
 AUG 27 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

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

Frac: 10-8-84

Form	PERFS	Holes	BRKD.	SAND	RATE	PSI	H2O	Co2
5th Sand(2537-2563)		16	2980	59,000	25	2850	670	20tns

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	50	H2O 3" stream @ 50'
Coal		BL S	50	57	
Sand		BR H	57	190	
SH		G S	190	280	Coal @ 50'
Sand		W H	280	325	
Sh		RD&GR S	325	585	
Sand		W H	585	610	
SH		GR S	610	818	
Sand		W H	818	960	
SH		RD&GR S	960	1413	
Lime		GR M	1413	1473	
Big Lime		Br H	1473	1537	
Big Injun		W H	1537	1634	
SH		GR S	1634	2004	
Gantz		BR M	2004	2076	Show Gas @ 2025
50'		W H	2076	2145	
Gordon Stray		BR M	2196	2270	
Gordon		BR M	2270	2368	
4th Sand		W H	2368	2454	
4th A		W H	2454	2488	
SH		GR S	2488	2534	
5th Sand		W H	2534	2572	Show Gas @ 2550
SH		GR S	2572	2685	Gas @ TD Smell
TD				2685	Could not test

(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. Grogg # 1
Farm Annabel Grogg
API No. 47-033-3077

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: 1012 Watershed Jacks Run
District: Simpson County Harrison Quadrangle Clarksburg, 7 1/2

COMPANY Hydrocarbon Energies, Inc.

ADDRESS P. O. Drawer 976, Buckhannon

DESIGNATED AGENT Alvin Sorcan

ADDRESS Rt. 4, Box 444, Buckhannon

SURFACE OWNER Annabell Grogg

ADDRESS RT. 2, Box 76 A, Bridgeport, WV

MINERAL RIGHTS OWNER AnnaBell Grogg

ADDRESS Same

OIL AND GAS INSPECTOR FOR THIS WORK Steve

Casey ADDRESS Jane Lew

PERMIT ISSUED 9-12-84

DRILLING COMMENCED 9-27-84

DRILLING COMPLETED 9-30-84

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	980	980	to surface 280 sks
7			
5 1/2			
4 1/2		2652	300 sks 1350-2652
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION 5th Sand Depth 2535 feet

Depth of completed well 2685 feet Rotary X / Cable Tools

Water strata depth: Fresh 50 feet; Salt None feet

Coal seam depths: 50, 375 Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation 5th Sand Pay zone depth 2536-2565 feet

Gas: Initial open flow Smell Mcf/d Oil: Initial open flow smell Bbl/d

Final open flow 33 Mcf/d Final open flow 4 Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 575 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

(Continue on reverse side)

HARR
3077

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

RECEIVED

OCT 1 - 1984

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 33-3077

Oil or Gas Well _____
(KIND)

Company Hydro Carbon

Address _____

Farm Grogg,

Well No. _____

District Simpson 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 _____ 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 C.O. I

Remarks: moving in, may not start until tomorrow

9-26-84

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: _____

Inspected this test for pump, no problem

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

Steve Conroy

P-50-84

DISTRICT WELL INSPECTOR

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

RECEIVED

OCT 3 1984

INSPECTOR'S WELL REPORT & GAS DIVISION

DEPT. OF MINES

Permit No. 33-3077

Oil or Gas Well _____
(KIND)

Company Hydro Carbon

Address _____

Farm Gregg

Well No. 1

District Simpson County Hamm.

Drilling commenced 9-26-84

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 50' 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 C O I

Remarks: 710'

9-28-84
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: _____

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

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

RECEIVED
OCT 5 1984

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

Permit No. 33-3077

Oil or Gas Well _____
(KIND)

Company <u>Hydro-Carbon</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Grogg,</u>	16			Kind of Packer _____
Well No. _____	13			
District <u>Simpson</u> County <u>Harr.</u>	10			Size of _____
Drilling commenced <u>9-25-84</u>	8 1/4			
Drilling completed <u>10-1-84</u> Total depth <u>2685</u>	6 1/4			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED <u>5 5/8</u> SIZE <u>980'</u> <u>285 SKS.</u> No. FT. _____ Date _____			
Fresh water <u>50</u> feet _____ feet	NAME OF SERVICE COMPANY <u>Halliburton</u>			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT <u>50</u> FEET <u>84</u> INCHES			
	<u>375</u> FEET <u>72</u> INCHES FEET _____ INCHES			
	_____ FEET _____ INCHES FEET _____ INCHES			

Drillers' Names C.O.I

Remarks: H 1/2 2653' 300 SKS. Halliburton

10-1-84
DATE

Steve Casey
DISTRICT WELL INSPECTOR

RECEIVED
NOV 10 1985

**DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY**

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OFFICE OF OIL AND GAS
CHARLESTON 25305
FINAL INSPECTION REPORT
INSPECTOR'S COMPLIANCE REPORT

Company: HYDROCARBON ENERGIES
Farm: ANNABELL GROBE Well: GROBE 1

Permit No. 47- 33-3077 (9-12-84)
County: HARRISON

Rule	Description	In Compliance	
		Yes	No
23.06	Notification prior to starting work.		
23.04	Prepared before drilling to prevent waste.		
25.03	High pressure drilling		
16.01	Required permits at wellsite		
15.03	Adequate Fresh Water Casings		
15.02	Adequate Coal Casings		
15.01	Adequate Production Casings		
15.04	Adequate Cement Strength		
15.05	Cement Tuff		
23.02	Maintained Access Roads		
25.01	Necessary Equipment to Prevent Waste		
23.04	Recessed Drilling Pits		
23.05	No Surface or Underground Pollution		
23.07	Requirements for Production & Gathering Pipelines		
7.01	Well Records on Site		
7.02	Well Records Filed		
7.05	Identification Markings		

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

SIGNED Steve Casaj
DATE 10-29-85

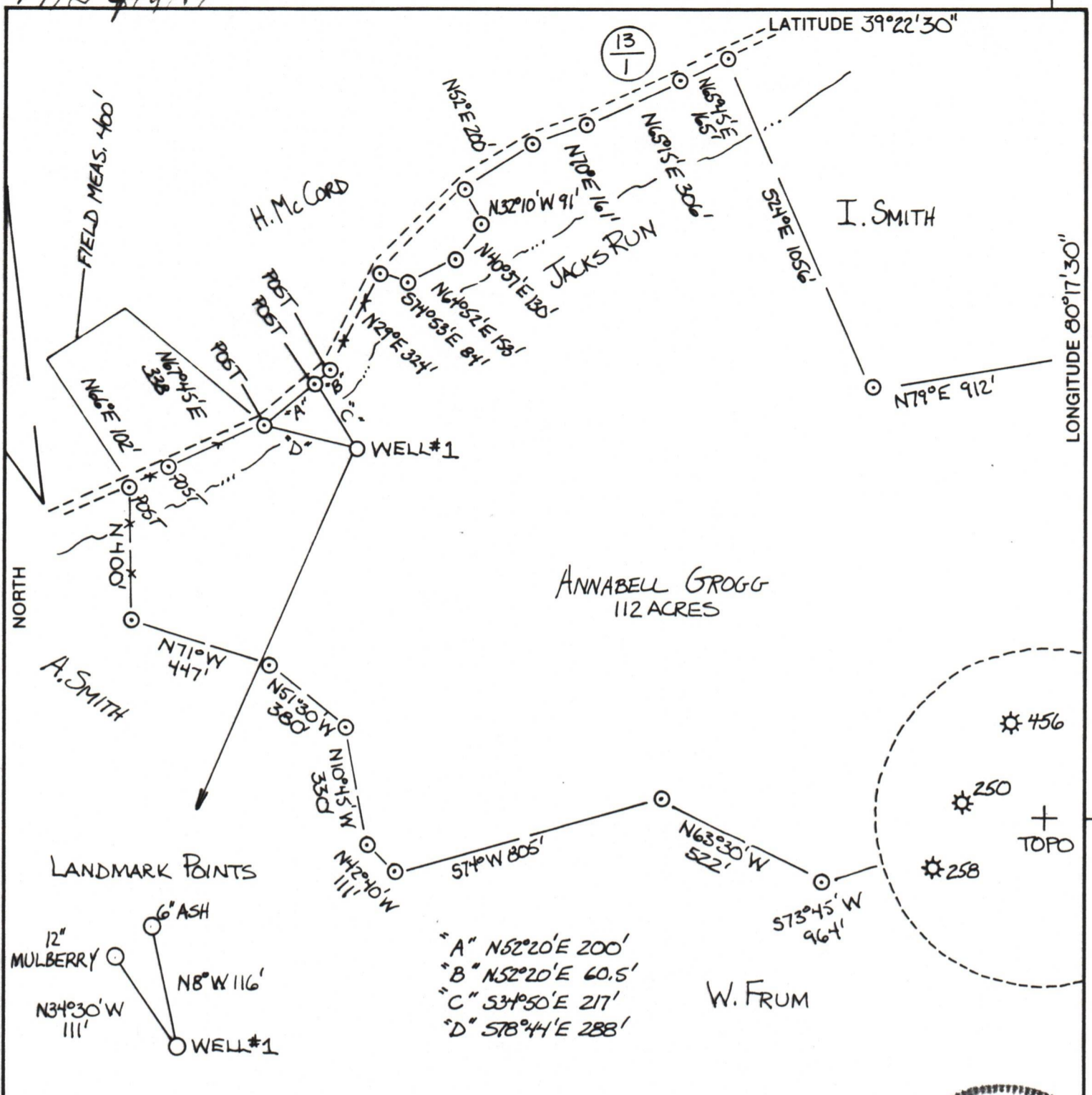
Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T.H. Abbott
Administrator

November 5, 1985

Date

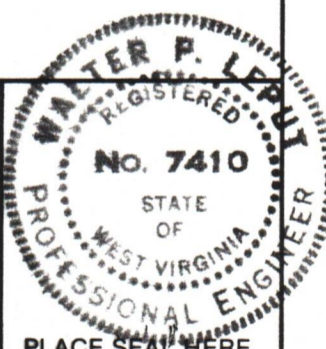
MAN 9/14/84



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

FILE NO. B-12-84
 DRAWING NO. B-12-84
 SCALE 1"=400'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION BM 900' SOUTH-WEST (944)

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. Lepout
 R.P.E. 7410 L.L.S.



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE AUG 12, 1984
 OPERATOR'S WELL NO. _____
 API WELL NO. _____
47 - 033 - 3077
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1012 WATER SHED JACKS RUN
 DISTRICT SIMPSON COUNTY HARRISON
 QUADRANGLE CLARKSBURG 7 1/2
 SURFACE OWNER ANNABELL GROGG ACREAGE 112
 OIL & GAS ROYALTY OWNER ANNABELL GROGG LEASE ACREAGE 112
 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
 WELL OPERATOR HYDROCARBON ENERGIES INC. DESIGNATED AGENT AL SURCAN
 ADDRESS PO DRAWER 976 ADDRESS PO DRAWER 976
BUCKHANNON W.VA. 26201 BUCKHANNON W.VA. 26201

COUNTY NAME PERMIT