



1) Date: December 31, 19 84
 2) Operator's Well No. J. LaRosa # 7
 3) API Well No. 47 - 033 - 3135
 State County Permit

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JAN - 7 1985

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

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

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 955 Watershed: Simpson Creek
 District: Coal County: Harrison Quadrangle: Clarksburg 7 1/2
- 6) WELL OPERATOR Hydrocarbon Exploration, Inc. 7) DESIGNATED AGENT Alvin Sorcan
 Address P.O. Drawer 976 Address P.O. Drawer 976
Buckhannon, WV 26201 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Steve Casey Name
 Address Rt. 2, Box 232 D Address
Jane Lew, WV
- 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, Balltown
- 12) Estimated depth of completed well, 4500 feet
- 13) Approximate trata depths: Fresh, 25 45 feet; salt, 600 feet.
- 14) Approximate coal seam depths: 270 325 Is coal being mined in the area? Yes / No
- 15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	Size	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
		Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	11 3/4				X	30'		Pulled	Kinds
Fresh water									
Coal	8 5/8		23	X		1000	1000	To Surface	Sizes <u>by rule 15.05</u>
Intermediate	8 5/8		23	X		1000	1000	To Surface	
Production	4 1/2		10 1/2	X			4500	400 sks	Depths <u>as required by rule 15.01</u>
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-033-3135 Date January 4, 19 85

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 January 4, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>18</u>	Agent: <u>MH</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>1020</u>
-----------------	------------------	-----------------	-------------------	------------------

Margaret J. Hass
 Administrator, Office of Oil and Gas

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

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

File



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OFFICE USE ONLY

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

1) LOCATION: 2) WELL OPERATOR: 3) OIL & GAS INSPECTOR TO BE NOTIFIED: 4) PROPOSED WELL WORK: 5) GEOLOGICAL TARGET FORMATION: 6) ESTIMATED DEPTH OF COMPLETED WELL: 7) APPROXIMATE TEST DEPTH: 8) APPROXIMATE TEST DEPTH:

OFFICE USE ONLY

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

Table with columns: Date, Date(s), Application received, Follow-up inspection(s), Well work started, Completion of the drilling process, Well Record received, Reclamation completed.

OTHER INSPECTIONS

Reason:

Reason:

Table with columns: Board, Agent, Plant, Casing, Perc.



1) Date: December 31, 19 84
 2) Operator's Well No. J. LaRosa #7
 3) API Well No. 47 State _____ County _____ Permit _____

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

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage _____ / Deep _____ / Shallow)
- 5) LOCATION: Elevation: 955 Watershed: Simson Creek
 District: Coal County: Harrison Quadrangle: Clarksburg 74
- 6) WELL OPERATOR Hydrocarbon Exploration, Inc. 7) DESIGNATED AGENT Alvin Sorcan
 Address P.O. Drawer 976 Address P.O. Drawer 976
Buckhannon, WV 26201 Buckhannon, WV 26201
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 Name Steve Casey Name _____
 Address Rt. 2, Box 232 D Address _____
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- 10) PROPOSED WELL WORK: Drill / Drill deeper _____ / Redrill _____ / Stimulate /
 Plug off old formation _____ / Perforate new formation _____ /
 Other physical change in well (specify) _____
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15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	<u>11 3/4</u>				<input checked="" type="checkbox"/>	<u>30'</u>		<u>Pulled</u>	Kinds _____ Sizes _____ Depths set _____ Perforations: _____ Top _____ Bottom _____
Fresh water									
Coal	<u>8 5/8</u>		<u>23</u>	<input checked="" type="checkbox"/>		<u>1000</u>	<u>1000</u>	<u>To Surface</u>	
Intermediate	<u>8 5/8</u>		<u>23</u>	<input checked="" type="checkbox"/>		<u>1000</u>	<u>1000</u>	<u>To Surface</u>	
Production	<u>4 1/2</u>		<u>10 1/2</u>	<input checked="" type="checkbox"/>			<u>4500</u>	<u>400 scks</u>	
Tubing									
Liners									

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 OIL & GAS DIV.
 DEPT. OF MINES

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 _____

James Joseph LaRosa Date: _____
 (Signature)
JAMES JOSEPH LAROSA Date: 1-4-85
 (Signature)

**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.

1) Date: December 31, ,19 84
2) Operator's
Well No. J. LaRosa #7
3) API Well No. 47-033-3135
State County Permit

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1 / 1985

STATE OF WEST VIRGINIA
OIL & GAS DIV. DEPARTMENT OF MINES, OFFICE OF OIL & GAS
DEPT. OF MINES NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED
(i) Name James J. LaRosa
Address 420 Buckhannon Pike
Clarksburg, WV 26301
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR
Address _____
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____
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

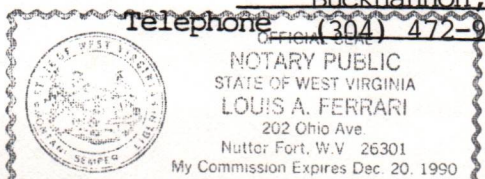
Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, 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 Sorcaw, President, this 31st day of December, 1984. My commission expires 12/20, 1990.
Louis A. Ferrari
Notary Public, UPSHUR County, State of WEST VIRGINIA

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



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DEPT. OF MINES

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DEPT. OF MINES

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:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book Page</u>
James LaRosa	Hydrocarbon Exploration	5/16	to be recorded



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JAN - 7 1985

IV-9 (Rev 8-81)

OIL & GAS DIV. DEPT. OF MINES

State of West Virginia

Department of Mines Oil and Gas Division

DATE 11-28-84

WELL NO. # 7

API NO. 47 - 033 -

J. LAROSA 88.83A

Rec'd. (WFSCD)

NOV 29 1984

CONSTRUCTION AND RECLAMATION PLAN

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

This plan has been reviewed by West Fork SCD. All corrections and additions become a part of this plan: 1/4/85 (Date)

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

Kenneth E Knight (SCD Agent)

Table with columns ACCESS ROAD and LOCATION. Rows include: Structure CULVERT (A), Spacing 15 MINIMUM with riprapped outlet, Page Ref. Manual 2-11; Structure DRAIN DITCH (B), Spacing ALONG ACCESS ROAD, Page Ref. Manual 2-12; Structure BREAKERS (C), Spacing 80-100' with riprapped outlet, Page Ref. Manual 2-4; Structure DRILLING PIT (1), Material EARTH, Page Ref. Manual N/A; Structure DIVERSION DITCH (2), Material Earth, Page Ref. Manual 2-12; Structure Sediment Barrier (3), Material Silt Fence, 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 (stacked)
Pg. Ref. Man. 2-16 REVEGETATION

Table for REVEGETATION with columns Treatment Area I and Treatment Area II. Rows include: *Lime or correct to pH 6.5 Tons/acre; Fertilizer 600 lbs/acre (10-20-20 or equivalent); Mulch HAY OR STRAW 2 Tons/acre; Seed* Orchard grass 10 lbs/acre, Red clover 12 lbs/acre, Alsike clover 4 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 EXPLORATION, INC.

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

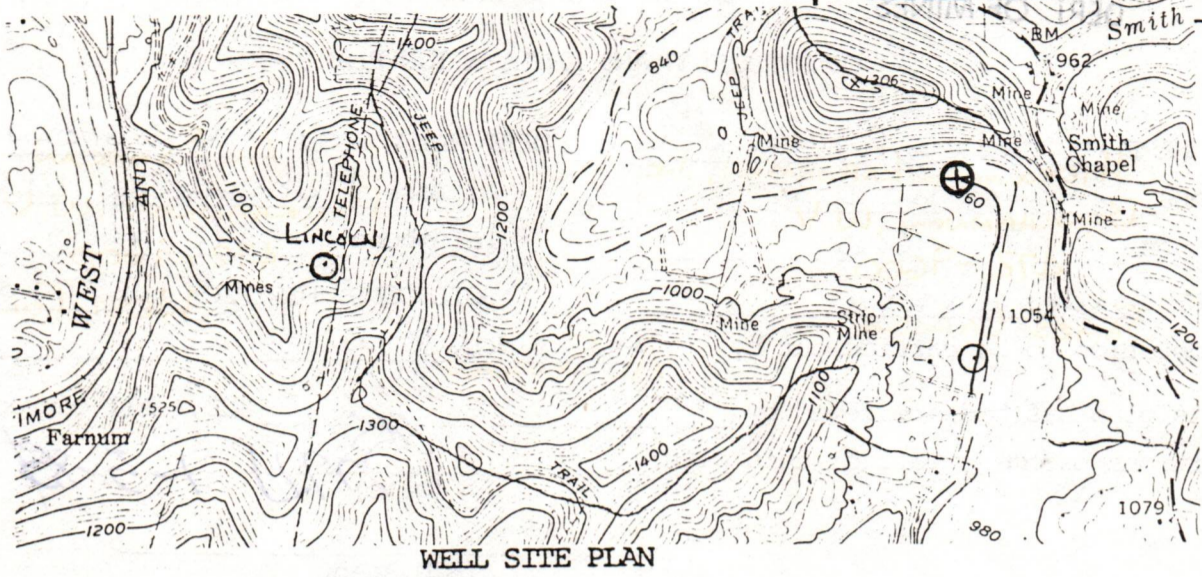
ADDRESS P.O. DRAWER 976 BUCKHANNON, W.V. 26201
PHONE NO. 472-9600

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

LEGEND

Well Site ⊕

Access Road ———

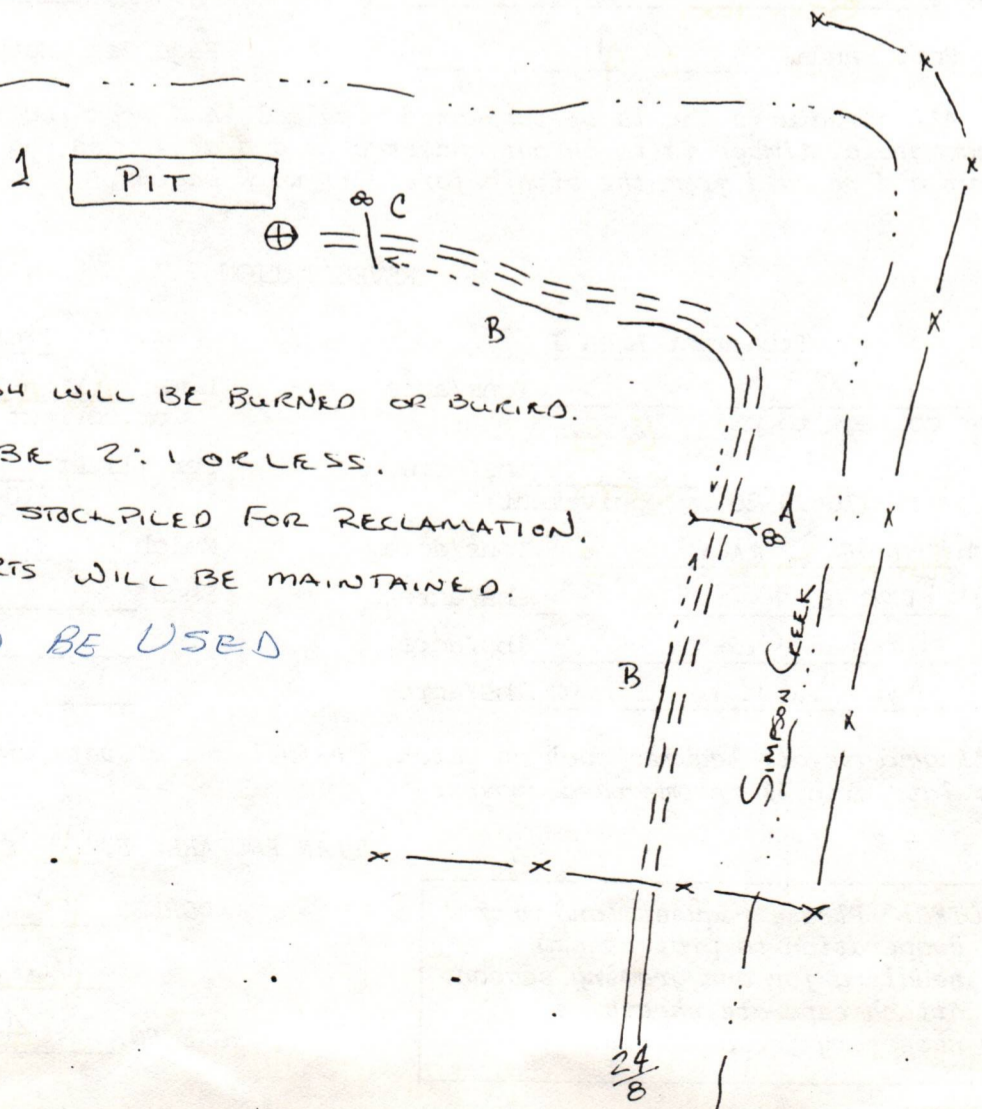


WELL SITE PLAN

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 <———≡———≡———≡———



NO TIMBER - BRUSH WILL BE BURNED OR BURIED.
ALL CUTS WILL BE 2:1 OR LESS.
TOPSOIL WILL BE STOCKPILED FOR RECLAMATION.
DITCHES & CULVERTS WILL BE MAINTAINED.
PIT LINER TO BE USED



IV-9
(Rev 8-81)

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OIL & GAS DIV.
DEPT. OF MINES

State of West Virginia

Department of Mines
Oil and Gas Division

DATE 11-28-84

WELL NO. #7

API NO. 47-033-3135

J. LAROSA 88.83A

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME HYDROCARBON EXPLORATION, INC.

DESIGNATED AGENT AL SORCAN

Address BUCKHANNON, W.V.

Address BUCKHANNON, W.V.

Telephone 472-9600

Telephone 472-9600

LANDOWNER JAMES LAROSA

SOIL CONS. DISTRICT WEST FORK

Revegetation to be carried out by AL SORCAN

(Agent)

This plan has been reviewed by _____ SCD. All corrections and additions become a part of this plan:

(Date) OK MW 1-5-85

(SCD Agent)

ACCESS ROAD

LOCATION

Structure CULVERT (A)

Structure DRILLING PIT (1)

Spacing 15" MINIMUM

Material EARTH

Page Ref. Manual 2-7

Page Ref. Manual N/A

Structure DRAIN DITCH (B)

Structure _____ (2)

Spacing ALONG ACCESS ROAD

Material _____

Page Ref. Manual 2-12

Page Ref. Manual _____

Structure BREAKERS (C)

Structure _____ (3)

Spacing 80-100'

Material _____

Page Ref. Manual 2-4

Page Ref. Manual _____

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

REVEGETATION

Treatment Area I

Treatment Area II

Lime _____ Tons/acre
or correct to pH 6.5

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

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

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

Mulch HAY OR STRAW 2 Tons/acre

Mulch _____ Tons/acre

Seed* FEXUE KY31 35 lbs/acre

Seed* _____ lbs/acre

LADINO CLOVER 5 lbs/acre

_____ lbs/acre

ANNUAL RYE 10 lbs/acre

_____ lbs/acre

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

PLAN PREPARED BY HYDROCARBON EXPLORATION, INC.

ADDRESS P.O. DRAWER 976

BUCKHANNON, W.V. 26201

PHONE NO. 472-9600

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

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 DEPARTMENT OF MINES, OIL AND GAS DIVISION
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 B (If "Gas", Production / Underground storage _____ / Deep _____ / Shallow)
- 5) LOCATION: Elevation: 955 Watershed: Simpson Creek
 District: Coal County: Harrison Quadrangle: Clarksburg 7 1/2
- 6) WELL OPERATOR Hydrocarbon Exploration, Inc. 7) DESIGNATED AGENT Alvin Sorcan
 Address P.O. Drawer 976 Address P.O. Drawer 976
Buckhannon, WV 26201 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Steve Casey Name _____
 Address Rt. 2, Box 232 D Address _____
Jana Lew, WV
- 10) PROPOSED WELL WORK: Drill / Drill deeper _____ / Redrill _____ / Stimulate /
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	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>		<u>Pulled</u>	Kinds _____ Sizes _____ Depths _____ Perforations: _____ Bottom _____ RECEIVED OIL & GAS DIV. DEPT. OF MINES JAN - 1 1985
Fresh water									
Coal	<u>8 5/8</u>		<u>23</u>	<input checked="" type="checkbox"/>		<u>1000</u>	<u>1000</u>	<u>To Surface</u>	
Intermediate	<u>8 5/8</u>		<u>23</u>	<input checked="" type="checkbox"/>		<u>1000</u>	<u>1000</u>	<u>To Surface</u>	
Production	<u>4 1/2</u>		<u>10 1/2</u>	<input checked="" type="checkbox"/>			<u>4500</u>	<u>400 sbs</u>	
Tubing									
Liners									

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: _____, 19 _____

By James Joseph LaRosa
JAMES JOSEPH LAROSA
 Its OWNER

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

Frac:	1-22-85	3 Stage	H2O w/CO2 Assist		
	PERFS	BRKD	H2O	CO2	ISIP
Balltown	(3139-3538)	2500	625	18 Tons	1800#
5th Sand	(2440-2466)	3400	620	18 Tons	1800#
4th Sand	(2328-2340)	3400	510	-----	2000#

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	70	H2O ¼ @ 73
Coal	Bl	S	70	74	Coal @ 70
Sand	Br	M	74	200	
Shale	Rd Gr	S	200	560	
Sd	W	H	560	600	
Sh	Gr	M	600	735	
Sd	W	H	735	895	
Sh	Gr	S	895	1375	
Big Lime	Gr	H	1375	1435	
Big Injun	W	H	1435	1535	
Sh	Gr	S	1535	1937	
50'	W	H	1937	2012	Show Gas @ 1965
30'	Br	M	2012	2086	
Gordon St	Br	M	2086	2166	
Gordon	Br	M	2166	2288	
4th Sand	W	H	2288	2336	
Sh	Cr	S	2336	2434	
5th Sand	W	H	2434	2480	Show Gas @ 2445
Sh	Gr	S	2480	3135	
Balltown	Br	M	3135	3540	Show Gas @ 3140 & 3536
Sh	Gr	S	3540	3716	
T. D.				3716	

(Attach separate sheets as necessary)

Hydrocarbon Exploration, Inc.
Well Operator

By: Alvin Loren

Date: 2-28-85

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)

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FEB 28 1985

State of West Virginia

Department of Mines
Oil and Gas Division

Date 1-31-85
Operator's _____
Well No. LaRosa # 7
Farm James LaRosa
API No. 47 - 033 - 3135

OIL & GAS DIVISION
DEPT. OF MINES

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 955 Watershed Simpson Creek
District: Coal County Harrison Quadrangle Clarksburg 7 1/2

COMPANY Hydrocarbon Exploration, Inc.
ADDRESS P. O. Drawer 976, Buckhannon, WV 26201
DESIGNATED AGENT Alvin Sorcan
ADDRESS P.O. Drawer 976, Buckhannon, WV 26201
SURFACE OWNER James LaRosa
ADDRESS 420 Buckhannon Pike, Clarksburg, WV 26301
MINERAL RIGHTS OWNER James LaRosa
ADDRESS Same
OIL AND GAS INSPECTOR FOR THIS WORK Steve Casey
ADDRESS Jane Lew, WV 26378
PERMIT ISSUED 1-4-85
DRILLING COMMENCED 1-7-85
DRILLING COMPLETED 1-11-85

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	1019	1019	260 Sks. To Surface
7			
5 1/2			
4 1/2		3612	480 Sks (1200-3622)
3			
2			
Liners used			

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

GEOLOGICAL TARGET FORMATION Balltown Depth 3135 feet
Depth of completed well 3716 feet Rotary X / Cable Tools _____
Water strata depth: Fresh 73 feet; Salt None feet
Coal seam depths: 70 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Balltown Pay zone depth 3117-3560 feet
Gas: Initial open flow Show Mcf/d Oil: Initial open flow None Bbl/d
Final open flow 94 Mcf/d Final open flow 4 Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 670 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation 5th - 4th Sands Pay zone depth 2328-2466 feet
Gas: Initial open flow Show Mcf/d Oil: Initial open flow None Bbl/d
Final open flow 94 Mcf/d Oil: Final open flow 4 Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 670 psig (surface measurement) after 24 hours shut in

(Continue on reverse side)

HARR 3135

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

INSPECTOR'S WELL REPORT

Permit No. 33-3135

Oil or Gas Well _____
(KIND)

Company <u>HydroCarbon Exp.</u> Address _____ Farm <u>Larosa</u> Well No. <u>7</u> District <u>Coal</u> County <u>Harr.</u> Drilling commenced <u>1-5-85</u> 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 _____ bbla., 1st 24 hrs. Fresh water _____ feet _____ feet Salt water _____ feet _____ feet	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
	Size			Kind of Packer _____
	16			
	13			Size of _____
	10			
	8 1/4			Depth set _____
	6 1/4			Perf. top _____
	5 3/16			Perf. bottom _____
	3			Perf. top _____
	2			Perf. bottom _____
Liners Used				

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OIL & GAS DIVISION
DEPT. OF MINES

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 Fox I

Remarks:

1-5-85
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. 22157

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT WV COUNTY Mingo

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

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

Permit No. 33-3135

Oil or Gas Well _____
(KIND)

Company Hydro Carbon

Address _____

Farm La Rosa

Well No. 7

District _____ County Harr.

Drilling commenced 1-7-85

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			Kind of Packer _____
16			
13			Size of _____
10			
8 1/4			Depth set _____
6 1/2			
5 3/16			Perf. top _____
3			Perf. bottom _____
2			Perf. top _____
Liners Used			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 Foxl

Remarks: del. at 760

1-8-85
DATE

Steve Coe
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. 2515

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY Putnam

Filling Material Used _____

Liner			Location	Amount	Packer	Location		
PLUS 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.

DISTRICT WELL INSPECTOR

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

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NOV 17 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 33-3/35

Oil or Gas Well _____
(KIND)

Company Hydro Carbon

Address _____

Farm La Rosa

Well No. 7

District _____ 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 73 feet _____ feet

Salt water _____ feet _____ feet

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

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

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT 70 FEET 48 INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names Fox 1

Remarks: 8 5/8 1019' 260 SKs. Halliburton

1-9-85
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. 2515 85

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY Highland

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

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JAN 17 1985

INSPECTOR'S WELL REPORT

Permit No. 3B-3135

OIL & GAS Well Oil or Gas Well
DIVISION

DEPT. OF MINES

Company Hydro Carbon

Address _____

Farm Lakosa

Well No. 7

District _____ County Harrison

Drilling commenced 1-7-85

Drilling completed 1-11-85 Total depth 3716

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 3/4			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

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

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names Fox 1

Remarks: 4 1/2 3612' 480 SKS. Halliburton

1-11-85
DATE

Steve Casey
DISTRICT WELL INSPECTOR

Form 26
2/16/82

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

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

Drillers' Names _____

Remarks: _____

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

DATE

DISTRICT WELL INSPECTOR

IV-20
Obverse
1-84

18-Mar-85

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

RECEIVED
OCT 30 1985

DIVISION OF OIL & GAS
DEPT. OF ENERGY

Company: HYDROCARBON EXPLORATION, INC.
Farm: LAROSA, JAMES J. Well: LAROSA 7

Permit No. 47- 33-3135 (1-04-85)
County: HARRISON

Rule	Description	In Compliance	
		Yes	No
23.06	Notification prior to starting work	-----	-----
25.04	Prepped 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 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	-----	-----
16.05	Identification Markings	-----	-----

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

SIGNED Steve Cadej
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. ...
Administrator

November 5, 1985
Date

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JAN - 7 1985

OIL & GAS DIV.
DEPT. OF MINES

OIL and GAS LEASE

THIS AGREEMENT made and entered into this the 28th day of DECEMBER,
19 84, by and between _____
JAMES JOSEPH LAROSA (single)

hereinafter called Lessor (whether one or more), and
hereinafter called Lessee,

HYDROCARBON ENERGIES, INC.
64 1/2 E. MAIN STREET, P.O. DRAWER 976
BUCKHANNON, WV 26201

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

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

On the North by lands of SIMPSON CREEK
On the East by lands of SIMPSON CREEK
On the South by lands of OLIVERIO
On the West by lands of LAROSA

and containing, for the purpose of calculating rentals, 88.83 AC. 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 _____
dated _____

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

1. It is agreed that this lease shall remain in force for a primary term of 6 months 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. five-thirty-seconds (5/32)

(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. five-thirty-seconds (5/32)

3. If Lessee shall not have either begun operations for the commencement of a well on the premises within
7 days from the date hereof Lessee agrees to pay to the Lessor the sum of Ten-Dollars
00/100's DOLLARS (\$ 10.00) annually, commencing 7 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 _____
JAMES JOSEPH LAROSA, mailed to 420 BUCKHANNON DIKE

CLARKSBURG W.V. 26301 until the Lessee shall have written notice from the Lessor, its heirs or assigns, ac-
companied by original or certified copies of deeds or other documents as Lessee may require evidencing such change of
ownership directing payments to be made otherwise, and any payments made as above until such direction, and thereafter
in accordance with such direction shall absolve the Lessee from any liability to any heir or assign of the Lessor. All payments
of royalty are to be made according to Lessor's respective interests therein, as hereafter set forth, and this lease shall not be
forfeited for Lessee's failure to pay any rentals or royalties until Lessee has received written notice by registered mail of such
default and shall fail, for a period of thirty (30) days after receipt of such notice to pay same.

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NOV 20 1930
OIL & GAS DIV.
DEPT. OF MINES

AN UNLIMITED AMOUNT

27.
JGL

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

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

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

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

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

10. Lessee shall have the right to assign this lease or any interest and the assignee of Lessee shall have corresponding rights, privileges, and obligations with respect to said royalties and rentals as to the acreage assigned to it.

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

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

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

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

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

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

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

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

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

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

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

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

_____ X James Joseph G. Rose (Seal)

_____ (Seal)

HYDROCARBON ENERGIES, INC.

By Alvin Slocum (Seal)
Its President

COMMONWEALTH OF PENNSYLVANIA

SS:

COUNTY OF

On this, the _____ day of _____, 19____, before me _____, the undersigned officer, personally appeared _____

satisfactorily proven to me to be the person _____ whose name _____ subscribed to the within instrument, and acknowledged that _____ executed the same for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.

Notary Public

STATE OF WEST VIRGINIA

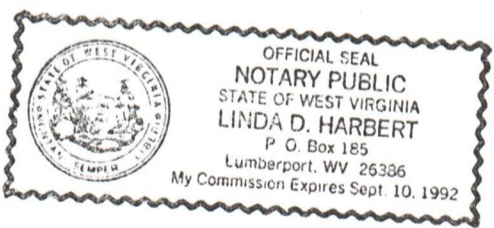
TO WIT:

COUNTY OF HARRISON

I, Linda D. Harbert, a Notary Public in and for the County of Harrison and State aforesaid, do certify that James Joseph LaRosa

whose name is signed to the writing above, bearing date the 28th day of December, 1984, has this day acknowledged the same before me in my said County and State aforesaid.

Given under my hand and Official Seal this 28th day of December 1984



Linda D. Harbert (Seal)

STATE OF ~~OHIO~~ WEST VIRGINIA

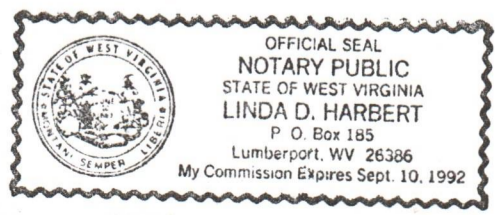
SS:

COUNTY OF HARRISON

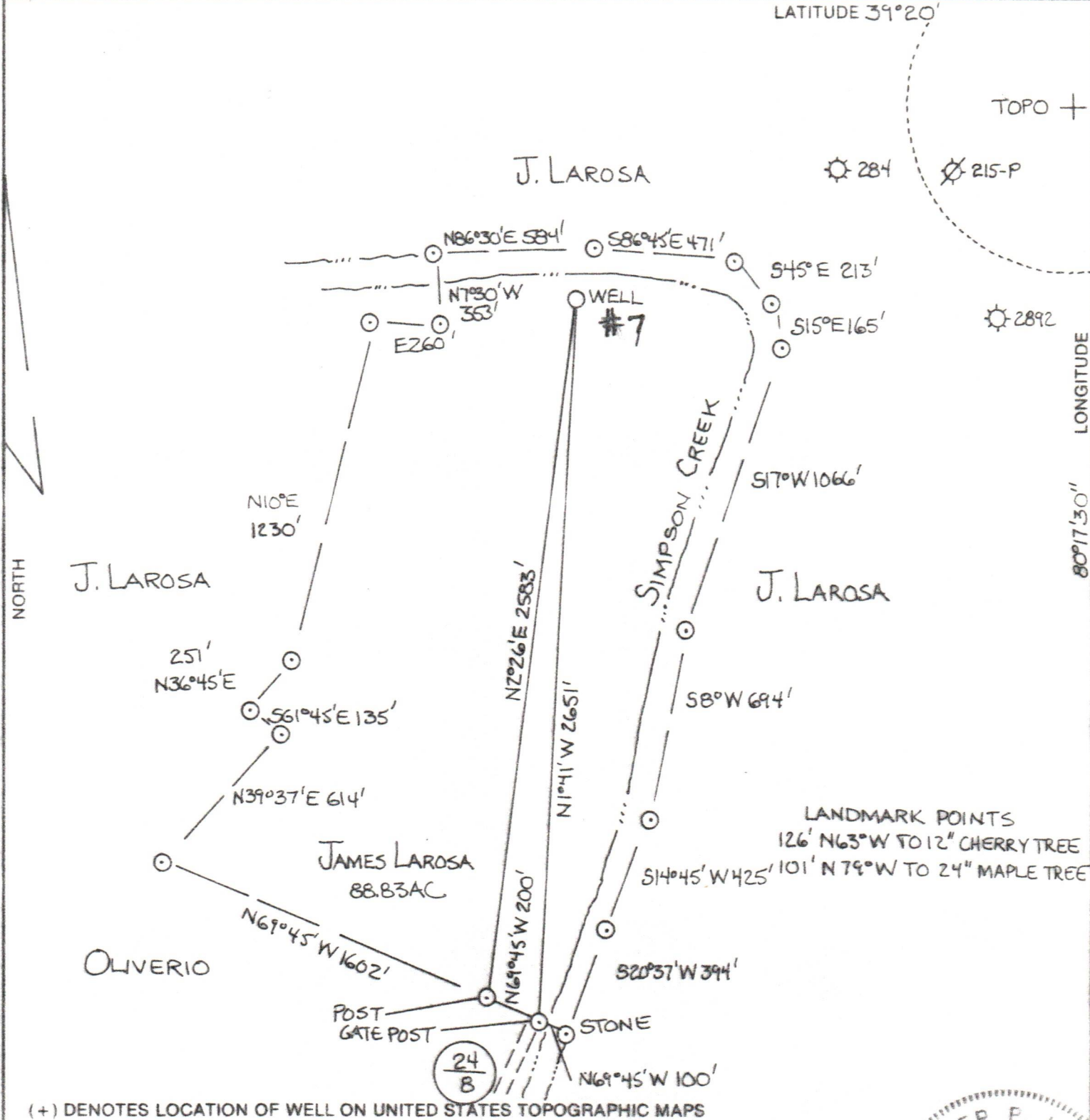
On this 28th day of December A. D. 1984 before me a Notary Public in and for said county, personally appeared the above named Alvin Sorcan, President of Hydrocarbon Energies, Inc.

to me personally known to be the party named in and who executed the within agreement as President free and voluntary act and acknowledged to be President act and deed for the uses and purposes therein expressed and mentioned.

WITNESS my hand and _____ official seal the day and year aforesaid.



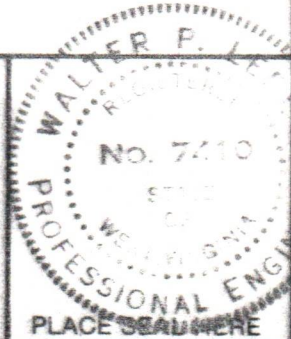
Linda D. Harbert (Seal)



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

FILE NO. 11-17-84
 DRAWING NO. 11-17-84
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION BM ± 1500' SOUTH EAST (1054)

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 Nov 17 1984
 OPERATOR'S WELL NO. 7
 API WELL NO.

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

LOCATION: ELEVATION 955 WATERSHED SIMPSON CREEK
 DISTRICT COAL COUNTY HARRISON
 QUADRANGLE CLARKSBURG 7 1/2

SURFACE OWNER JAMES LAROSA ACREAGE 88.83
 OIL & GAS ROYALTY OWNER JAMES LAROSA LEASE ACREAGE 88.83
 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 BALLTOWN ESTIMATED DEPTH 4500
 WELL OPERATOR HYDROCARBON EXPLORATION INC DESIGNATED AGENT A. SORCAN
 ADDRESS PO DRAWER 976 ADDRESS PO DRAWER 976
BUCKHANNON, W.VA. BUCKHANNON, W.VA.

FORM IV-6 (8-78)
 HT. HALL

COUNTY NAME
 PERMIT