

RECEIVED

FEB 15 1985



1) Date: February 14, 19 85
2) Operator's Well No. Seaman #1 Rev.
3) API Well No. 47 - 061 - 0767
State County Permit

OIL & GAS DIV.
DEPT. OF MINES

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: 971 Watershed: Long Drain Run District: Clay County: Monongahlia Quadrangle: Blacksville 7 1/2
- 6) WELL OPERATOR Hydrocarbon Exploration, Inc. 7) DESIGNATED AGENT Al 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 Don Ellis Name Address
Address 2604 Crab Apple Lane Address
Fairmont, WV 26554
- 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, ELK
- 12) Estimated depth of completed well, 5600 feet
- 13) Approximate trata depths: Fresh, 25 feet; salt, does not appear feet.
- 14) Approximate coal seam depths: 240, 330 Is coal being mined in the area? Yes / No /
- 15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling		
Conductor	11 3/4				X	3200-5600	3200-5600	filled CTS ends NEAT
Fresh water								
Coal	8 5/8		23	X		1200	1200	to surface Sizes
Intermediate	8 5/8		23	X		1200	1200	(350 sks.)
Production	4 1/2		10 1/2	X			5600	600 sks. as required by rule 15.01
Tubing								
Liners								Perforations: Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-061-0767 Date February 28, 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 February 28, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: 78	Agent: MW	Plat: MW	Casing: MW	Fee: 1045
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Margaret J. Hassel
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 09/29/2023



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OIL & GAS DIV.
DEPT. OF MINES

OFFICE USE ONLY

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

2/2/87

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

Follow-up inspection(s)

Well work started

Completion of the drilling process

Well Record received

Reclamation completed

OTHER INSPECTIONS

Reason:

Reason:

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 S.B. Seaman
Address Core, WV 26529
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR Consolidation Coal Co.
Address Consol Plaza
Pittsburg, PA 15241
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD
Name Consolidation Coal Co.
Address Consol Plaza
Pittsburg, PA 15241
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.

RECEIVED
FEB 15 1985

OIL & GAS DIV.
DEPT. OF MINES

6) EXTRACTION RIGHTS
Check and provide one of the following:
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)
7) ROYALTY PROVISIONS
Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No
If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by
Alvin Sorcan

WELL OPERATOR Hydrocarbon Exploration, INC.
By Alvin Sorcan
Its President
Address P.O. Drawer 976
Buckhannon, WV 26201
Telephone 472-9600

this 14 day of February, 19 85.
My commission expires 02/01, 1990.
Marcella L. Garrison
Notary Public, Upshur County,
State of West Virginia



09/29/2023

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>
M.D. Wright (et ux)	J & J Enterprises	1/8	847-506
J & J Enterprises	Kepeco Inc.	1/8	12-158
Kepeco	Hydrocarbon Energies, Inc.		by Farmout Agreement



IV-9
(Rev 8-81)

DATE 2-14-85

WELL NO. SEAMAN #1

API NO. 47-061-0767

RECEIVED

FEB 22 1985

State of West Virginia

Department of Mines
Oil and Gas Division

OIL & GAS DIVISION CONSTRUCTION AND RECLAMATION PLAN
DEPT. OF MINES

COMPANY NAME HYDROCARBON Exploration Inc
Address Buckhannon W.Va
Telephone 472-9600

DESIGNATED AGENT Alvin Sorcan
Address PO DRAWER 976 Buckhannon W.Va.
Telephone 472-9600

LANDOWNER S. B. SEAMAN

SOIL CONS. DISTRICT MONONGAHELA

Revegetation to be carried out by Alvin Sorcan (Agent)

This plan has been reviewed by MONONGAHELA SCD. All corrections and additions become a part of this plan: FEB. 22, 1985 (Date)

Cal H. Kern
(SCD Agent)

ACCESS ROAD	LOCATION
Structure <u>OPEN DITCH (IF NEEDED)</u> (A)	Structure <u>DIVERSION BREAKER</u> (1)
Spacing <u>LENGTH OF ROAD</u>	Material <u>EARTH</u>
Page Ref. Manual <u>2-12</u>	Page Ref. Manual <u>2-12</u>
Structure <u>BREAKER DITCH</u> (B)	Structure <u>DRILLING PIT</u> (2)
Spacing <u>75'-100' APART</u>	Material <u>EARTH</u>
Page Ref. Manual <u>2-4</u>	Page Ref. Manual _____
Structure <u>SEDIMENT BARRIER</u> (C)	Structure _____ (3)
Spacing <u>HAY OR STRAW</u>	Material _____
Page Ref. Manual _____	Page Ref. Manual _____

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

REVEGETATION

Treatment Area I

Lime 3 Tons/acre
or correct to pH 6.5

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

Mulch HAY OR STRAW 2 Tons/acre

Seed* Ky 31 35 lbs/acre
LADINO CLOVER 5 lbs/acre
Annual Ryegrass 10 lbs/acre

Treatment Area II

Lime As Area I 3 Tons/acre
or correct to pH 6.5

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

Mulch HAY OR STRAW 2 Tons/acre

Seed* Ky 31 35 lbs/acre
LADINO CLOVER 5 lbs/acre
Annual Ryegrass 10 lbs/acre

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

09/29/2023

PLAN PREPARED BY HYDROCARBON Exploration Inc
ADDRESS PO DRAWER 976
Buckhannon W.Va
PHONE NO. 472-9600

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



1) Date: February 14, 19 85
 2) Operator's Well No. Seaman #1 Rev.
 3) API Well No. 47
 State _____ County _____ Permit _____

Waiver

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

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 971 / Watershed: Long Drain Run
 District: Clay / County: Monongalia / Quadrangle: Blacksville 74
- 6) WELL OPERATOR Hydrocarbon Exploration, Inc. 7) DESIGNATED AGENT Al 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 Don Ellis / Name _____
 Address 2604 Crab Apple Lane / Address _____
Fairmont, WV 26554
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate X /
 Plug off old formation _____ / Perforate new formation 16-0767
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, ELK
- 12) Estimated depth of completed well, 5600 feet
- 13) Approximate strata depths: Fresh, 25 feet; salt, 600 feet.
- 14) Approximate coal seam depths: 240, 330 Is coal being mined in the area? Yes _____ / No X /

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>				<u>X</u>	<u>40</u>		<u>Pulled</u>		Kinds
Fresh water										
Coal	<u>8 5/8</u>		<u>23</u>	<u>X</u>		<u>1200</u>	<u>1200</u>	<u>to surface</u>		Sizes
Intermediate	<u>8 5/8</u>		<u>23</u>	<u>X</u>		<u>1200</u>	<u>1200</u>	<u>(350 sks.)</u>		
Production	<u>4 1/2</u>		<u>10 1/2</u>	<u>X</u>			<u>5600</u>	<u>600 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: _____, 19 _____

By Consolidation Coal Co.
Ray M Henderson
 Its Regional Mgr. Eng.

09/29/2023
 Coal Owner



1) Date: February 14, 19 85
 2) Operator's Well No. Sorman #1 Rev.
 3) API Well No. 47
 State _____ County _____ Permit _____

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FEB 22 1985

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

- 4) WELL TYPE: Oil & Gas Division / Gas / Underground storage / Deep / Shallow / Production
- 5) LOCATION: Elevation: 971 Watershed: Long Drain Run
 District: Clay County: Monongalia Quadrangle: Blacksville 7 1/2
- 6) WELL OPERATOR: Hydrocarbon Exploration, Inc. 7) DESIGNATED AGENT: Al Sorman
 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: Don Ellis Name: _____
 Address: 2604 Crab Apple Lane Address: _____
Fairmont, WV 26554
- 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, ELK
- 12) Estimated depth of completed well, 5600 feet
- 13) Approximate trata depths: Fresh, 25 feet; salt, 600 feet.
- 14) Approximate coal seam depths: 240, 330 Is coal being mined in the area? Yes _____ / No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	<u>21 3/4</u>				<input checked="" type="checkbox"/>	<u>40</u>		<u>Pulled</u>	Kinds
Fresh water									
Coal	<u>8 5/8</u>		<u>23</u>	<input checked="" type="checkbox"/>		<u>1200</u>	<u>1200</u>	<u>to surface</u>	Sizes
Intermediate	<u>8 5/8</u>		<u>23</u>	<input checked="" type="checkbox"/>		<u>1200</u>	<u>1200</u>	<u>(350 sks.)</u>	Depths set
Production	<u>4 1/2</u>		<u>10 1/2</u>	<input checked="" type="checkbox"/>			<u>5600</u>	<u>600 sks.</u>	
Tubing									Perforations:
Liners									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 _____

 (Signature) Date: 2/13/85

 (Signature) Date: _____

**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.

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MAY 13 1985



IV-35 (Rev 8-81)

OIL & GAS DIV. DEPT. OF MINES

State of West Virginia Department of Mines Oil and Gas Division

Date 5-2-85 Operator's Well No. Seaman # 1 Farm S. B. Seaman API No. 47-061-0767

WELL OPERATOR'S REPORT OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 947 Watershed Long Drain Run District: Clay County Monongalia Quadrangle Blacksville 7.5

COMPANY Hydrocarbon Exploration ADDRESS P. O. Drawer 976 DESIGNATED AGENT Alvin Sorcan ADDRESS Rt. 4, Box 444, Buckhannon SURFACE OWNER S. B. Seaman ADDRESS Core, WV 26529 MINERAL RIGHTS OWNER M. D. Wright ADDRESS 328 Cobun Ave. Morgantown, WV OIL AND GAS INSPECTOR FOR THIS WORK Don Ellis ADDRESS Fairmont, WV PERMIT ISSUED 2-28-85 DRILLING COMMENCED 3/30/85 DRILLING COMPLETED 4-15-85

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes like 20-16 Cond., 13-10", 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2 and cement amounts like 80 sks, 370sks, 500 sks.

GEOLOGICAL TARGET FORMATION Elk Depth feet Depth of completed well 5593 feet Rotary X / Cable Tools Water strata depth: Fresh 395 feet; Salt 1550 feet Coal seam depths: 130,340,525 Is coal being mined in the area? Yes

OPEN FLOW DATA

Producing formation Elk, Bradford, Sp., Balltown Pay zone depth 3324-5494 feet Gas: Initial open flow 210 Mcf/d Oil: Initial open flow Bbl/d Final open flow 385 Mcf/d Oil: Final open flow Bbl/d Time of open flow between initial and final tests 4 hours Static rock pressure 1400 psig (surface measurement) after 72 hours shut in (If applicable due to multiple completion--)

09/29/2023

Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

MONONGALIA 0767

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

4-22-85	Frac 3 Stage	H2) w/CO2 Assist				
FORM	PERF	HOLES	H2O	SAND	ISIP	CO2
Elk	(5173-5494)	12	711	60,000	2650	20 Tons
Bradford	(4089-4176)	14	592	50,000	2222	10 Tons
Sp.Ball.	(3324-3889)	14	438	35,000	2180	10 Tons

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Clay	G	S	0	50	Water @ 395, 1450, 1550
Sand	Br	H	50	130	
Coal	Bl	S	130	133	Coals @ 130,340,525
Sh	Gr	S	133	175	
Sand	Br	H	175	340	
Coal	Bl	S	340	345	
Sand	W	H	345	525	
Coal	Bl	S	525	528	
SdySh	Br	M	528	1360	
Sand	W	H	1360	1550	
Sh.	Gr & Rd	S	1550	1720	
Big Lime	Gr	H	1720	1764	
Big Injun	W	H	1764	1984	Show Gas @ 1804
Sh	Gr	S	1984	2320	
SdySh	Br	M	2320	2952	Show Gas @ 2914
Shale	Gr	S	2952	3194	
Speech.	Br	M	3194	3705	
Balltown	Br	M	3705	4078	Show Gas @ 3712
Bradford	Br	M	4078	4230	
Sh	Gr	S	4230	4838	
Benson	Br	M	4838	4908	
Shale	Gr	S	4908	5146	
Elk	Br	M	5146	5422	Show Gas @ 5320
Sh	Gr	S	5422	5593	
Total Depth				5593	

(Attach separate sheets as necessary)

Hydrocarbon Exploration, Inc.
Well Operator

By: Alvin Lauer 09/29/2023

Date: 5-10-85

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."

DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED

APR 16 1985

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 061-0767

Oil or Gas Well _____
(KIND)

Company <u>Hydro Carbon</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>Buckhannon W 2</u>	16			
Farm <u>Seamon</u>	13			
Well No. <u>1</u>	10			Size of _____
District <u>Clay</u> County <u>Marion</u>	8 ^{5/8}		<u>1582</u>	Depth set _____
Drilling commenced <u>4-4-85</u>	6 ^{3/4}			
Drilling completed _____ Total depth _____	5 3/16			
Date shot _____ Depth of shot _____	3			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used			Perf. top _____
Volume _____ Cu. Ft.				Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED <u>3 5/8</u> SIZE <u>1582</u> No. FT. <u>4-10-85</u> Date			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY <u>Fallbuto</u>			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT <u>130</u> FEET <u>133</u> INCHES			
Salt water _____ feet _____ feet	<u>390</u> FEET <u>345</u> INCHES <u>525</u> FEET <u>528</u> INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Stu Jick # 14

Remarks: 3 70 lbs Class @ 390 C.C. 1# FLOSEAL.
WE T 1/2" stream Fresh wt @ 395
salt wt @ 2 1/2" stream 1450 2" stream 1550'

4-10-85
DATE

[Signature]
DISTRICT WELL INSPECTOR

09/29/2023

Form 26
2/16/82

RECEIVED
APR 10 1982
OIL & GAS DIVISION
DEPT. OF MINES

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 09/29/2023

INSPECTOR'S PERMIT SUMMARY FORM

WELL TYPE _____
ELEVATION 971
DISTRICT Clay
QUADRANGLE _____
COUNTY Monongalia

API# 47-061 - 0767 (2-28-85)
OPERATOR Hydrocarbon
TELEPHONE _____
FARM Seaman
WELL # 1

SURFACE OWNER Seaman COMMENTS _____ TELEPHONE _____
TARGET FORMATION _____ DATE APPLICATION RECEIVED _____

DATE STARTED _____
LOCATION 3-28-85 NOTIFIED 3-28-85 DRILLING COMMENCED 4-4-85

WATER DEPTHS 395-1/2", 1450-2 1/2", _____, _____
COAL DEPTHS 130-133, 340-345, 525-528, _____

CASING

Ran 1582 feet of 8 5/8" pipe on 4-10-85 with 370 ass fill up
Ran 153' feet of 11 3/4" pipe on 4-6-85 with Circulab fill up
Ran _____ feet of _____" pipe on _____ with _____ fill up
Ran _____ feet of _____" pipe on _____ with _____ fill up

TD _____ feet on _____

PLUGGING

Type	From	To	Pipe Removed

RECORDED
DEPARTMENT OF ENERGY
OIL AND GAS

Pit Discharge date: _____ Type _____

Field analysis _____ ph _____ fe _____ cl _____ **JAN 7 1986**

Well Record received _____

Date Released 1-2-86

[Signature]
Inspector's signature

09/29/2023

API# 47061 - 0767

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1	4-6-85		Ch Pipe Job	ok.
2	4-10-85		Ch Pipe Job	ok.
3	1-3-86		Ch Reclamation	Released
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Notes

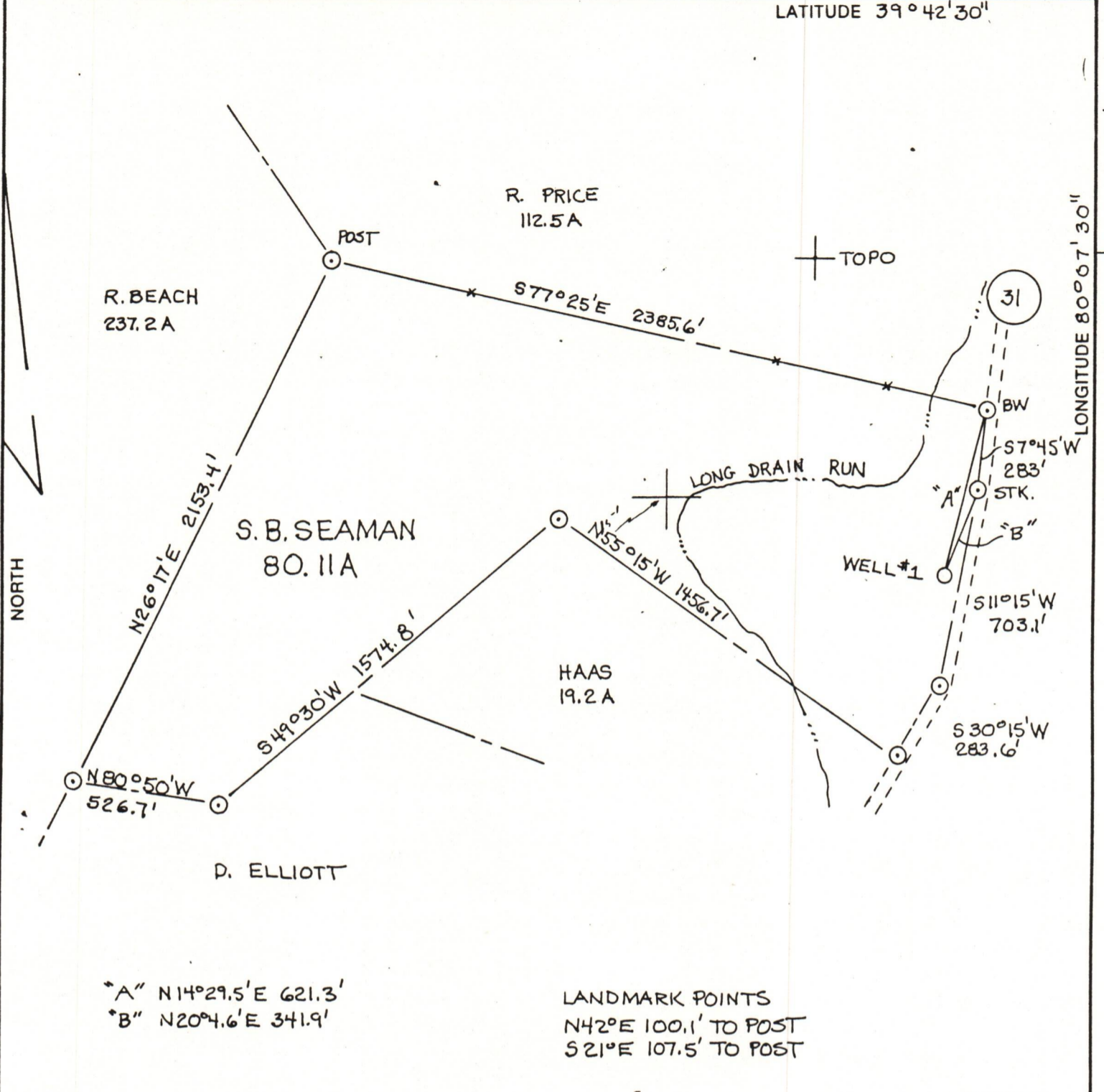
1111 2-26-85

4050'

LATITUDE 39°42'30"

LONGITUDE 80°07'30"

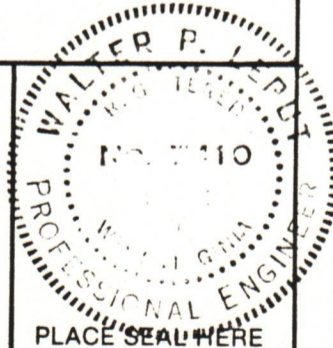
3700'



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

FILE NO. 2-7-85
 DRAWING NO. 2-7-85
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1 IN 2000
 PROVEN SOURCE OF ELEVATION Φ OF ROADS
3500' SOUTHWEST (965)

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 FEB. 8, 19 85
 OPERATOR'S WELL NO. _____
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 STATE 47 COUNTY 061 PERMIT 0767

LOCATION: ELEVATION 971 WATERSHED LONG DRAIN RUN
 DISTRICT CLAY COUNTY MONONGALIA
 QUADRANGLE BLACKSVILLE 75

SURFACE OWNER SARA B. SEAMAN ACREAGE 80.11
 OIL & GAS ROYALTY OWNER MERL D. WRIGHT et ux LEASE ACREAGE 80.11
 LEASE NO. _____

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR
 STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW
 FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ELK ESTIMATED DEPTH 5600
 WELL OPERATOR HYDROCARBON EXPLORATION INC. DESIGNATED AGENT AL SORCAN
 ADDRESS PO DRAWER 976 ADDRESS PO DRAWER 976
BUCKHANNON W.VA. BUCKHANNON W.VA.

Monon COUNTY NAME

0767 PERMIT

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