



1) Date: March 9, 1984  
 2) Operator's Well No. WELCH #1  
 3) API Well No. 47 - 085 - 6911  
 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: 895' Watershed: Bobs Fork of Macfarlan Creek  
 District: Murphy County: Ritchie Quadrangle: Macfarlan  
 6) WELL OPERATOR Petro-Mark, Inc. 7) DESIGNATED AGENT L. L. Mitchell  
 Address P. O. Box 37 Address 2402 Belmont Road  
Reno, Ohio 45773 Parkersburg, WV 26101  
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Samuel Hersman Name C. T. Drilling Corp.  
 Address P. O. Box 66 Address Route 1, Box 55J  
Smithville, WV 26178 Marietta, OH 45750  
 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, Big Injun  
 12) Estimated depth of completed well, 2300 feet  
 13) Approximate trata depths: Fresh, 65 feet; salt, 1400 feet.  
 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes  No

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 OIL & GAS DIVISION  
 DEPT. OF MINES

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	13 3/8			X		40'	40'	15 sx	Kinds
Fresh water	8 5/8		20#	X		320'	300'	To Surface	<b>NEAT</b>
Coal									Sizes
Intermediate									
Production	4 1/2		9.5#	X		2310'	2300'	As per Reg.	Depths set
Tubing								15.01	
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-085-6911 Date April 9, 1984

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires April 9, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>B</u>	Agent: <u>[Signature]</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>1083</u>
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Margaret J. Hase  
 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.

04/26/2024

File



OFFICE USE ONLY

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

1) WELL LOCATION: District: \_\_\_\_\_ County: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_ Section: \_\_\_\_\_

2) WELL OPERATOR: Name: \_\_\_\_\_ Address: \_\_\_\_\_

3) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: \_\_\_\_\_ Address: \_\_\_\_\_

4) DRILLING CONTRACTOR: Name: \_\_\_\_\_ Address: \_\_\_\_\_

5) PROPOSED WELL WORK:  Plug off old formation  Perform new formation  Other physical change in well (specify): \_\_\_\_\_

6) GEOLOGICAL INFORMATION:  Estimated depth of completed well \_\_\_\_\_ feet  Approximate true depth: \_\_\_\_\_ feet  Approximate coal seam depth: \_\_\_\_\_ feet  Coal being mined in the area: Yes  No

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OIL & GAS DIVISION  
DEPT. OF MINES

OFFICE USE ONLY

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

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

Bond	Agent	Place	Company	Fee

04/26/2024

1) Date: March 9, 19 84  
2) Operator's Well No. Welch #1  
3) API Well No. 47-085-6911  
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 Bash Echard  
Address Route 1

(ii) Name \_\_\_\_\_  
Address \_\_\_\_\_

(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

5(i) COAL OPERATOR N/A  
Address \_\_\_\_\_

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name N/A  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:  
Name N/A  
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  
Richard Hudson

this 6 day of April, 19 84  
My commission expires 5/20, 19 86.

Lila E Stiel

Notary Public, Washington County,  
State of Ohio

WELL OPERATOR PETRO-MARK, INC.

By [Signature]  
Its Richard Hudson, President  
Address P. O. Box 37  
Reno, OH 45773  
Telephone 614/373-8049

04/26/2024

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.

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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
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*with 8 files*

04/26/2024



IV-9  
(Rev 8-81)

DATE 17 FEBRUARY, 1984

WELL NO. WELCH #1

State of West Virginia

API NO. 47 - 085 - 6911

Department of Mines  
Oil and Gas Division  
Construction & Reclamation Plan

COMPANY NAME PETRO-MARK, INC.  
ADDRESS P.O. BOX 37  
RENO, OHIO 45773  
Telephone (614) 373-8049

DESIGNATED AGENT L.L. MITCHELL  
ADDRESS P.O. BOX 37  
RENO, OHIO 45773  
Telephone (614) 373-8049

LANDOWNER BASH ECHARD

SOIL CONS. DISTRICT LITTLE KANAWHA

Revegetation to be carried out by PETRO-MARK, INC (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 3-21-84 (Date)

Garrett Newlon  
(SCD Agent)

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LOCATION: MAR 23 1984

ACCESS ROAD

Structure see sketch (A)  
Spacing 2nd Comment  
Page Ref. Manual \_\_\_\_\_  
Structure \_\_\_\_\_ (B)  
Spacing \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_  
Structure \_\_\_\_\_ (C)  
Spacing \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

Structure DIVERSION DITCH (1)  
Material SOIL  
Page Ref. Manual 2:12  
Structure RIP-RAP (2)  
Material LOGS & HAY BALES  
Page Ref. Manual 2:9  
Structure \_\_\_\_\_ (3)  
Material \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

OIL & GAS DIVISION  
DEPT. OF MINES

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 \_\_\_\_\_ Tons/acre  
or correct to pH 6.5  
Fertilizer 500 lbs/acre  
(10-20-20 or equivalent)  
Mulch HAY OR STRAW 2 Tons/acre  
Seed\* ORCHARD GRASS 12 lbs/acre  
LADINO CLOVER 3 lbs/acre  
TIMOTHY 6 lbs/acre  
lbs/acre

Treatment Area II

Lime \_\_\_\_\_ Tons/acre  
or correct to pH 6.5  
Fertilizer 500 lbs/acre  
(10-20-20 or equivalent)  
Mulch HAY OR STRAW 2 Tons/acre  
Seed\* ORCHARD GRASS 12 lbs/acre  
LADINO CLOVER 3 lbs/acre  
TIMOTHY 6 lbs/acre  
lbs/acre

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

04/26/2024

PLAN PREPARED BY WILLIAM R. MOSSOR, L.L.S.

ADDRESS 106 NORTH SPRING STREET

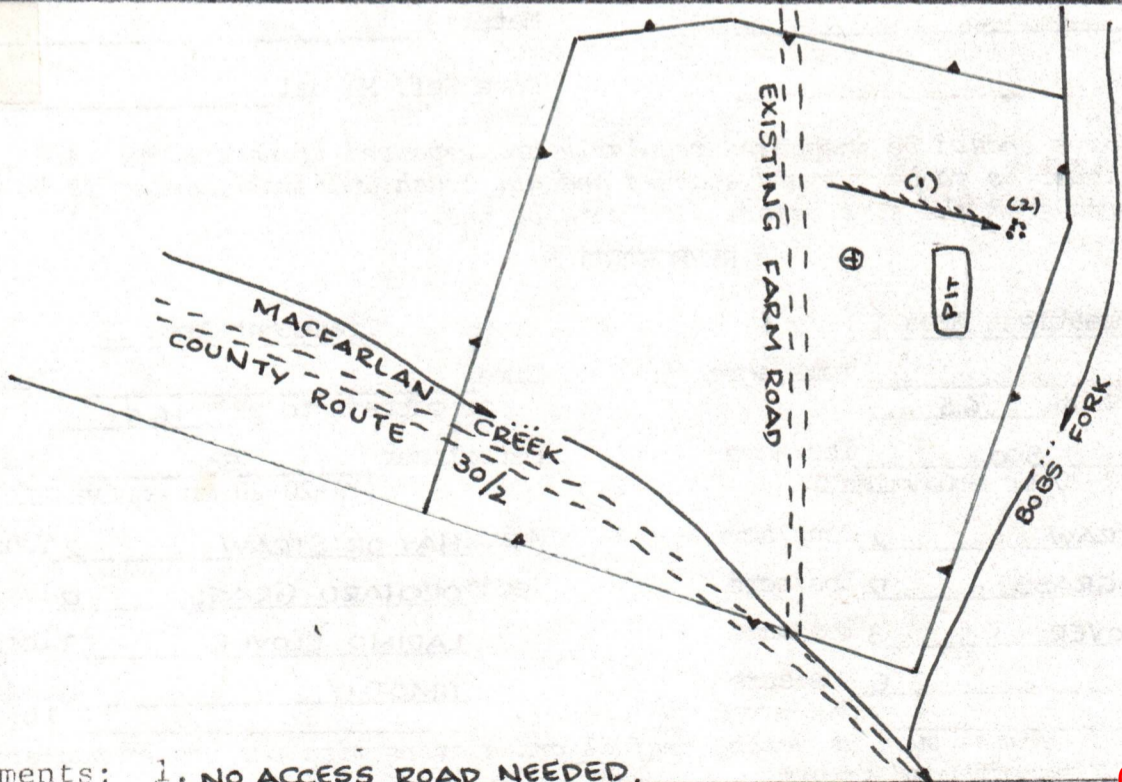
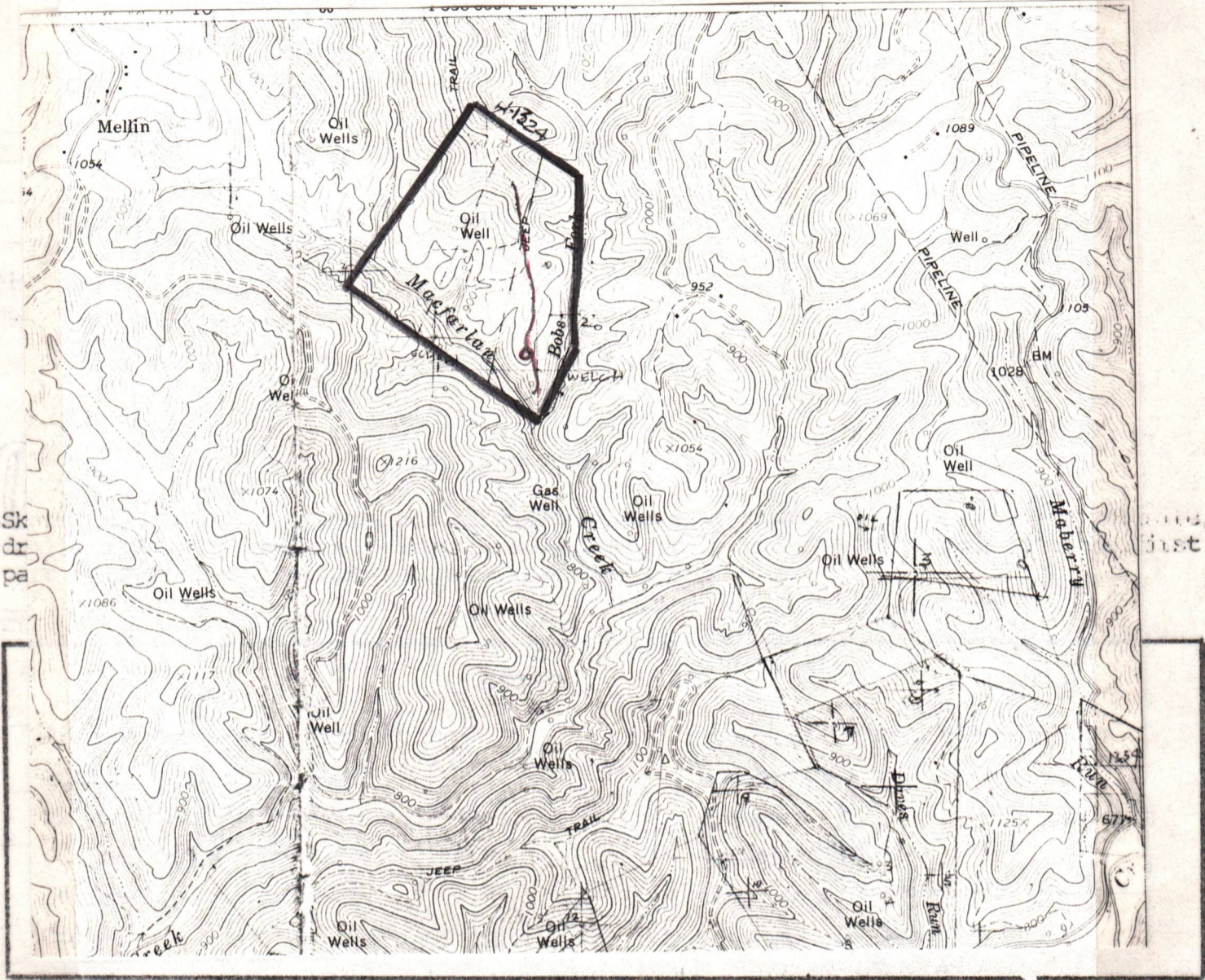
HARRISVILLE, W.VA. 26362

PHONE NO. (304) 643-4572

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

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE MACFARLAN

LEGEND  
WELL SITE ⊕ ACCESS ROAD —



- Comments:
1. NO ACCESS ROAD NEEDED.
  2. NO BRUSH OR TREES.
  3. NO CUT OR FILL NEEDED.
  4. LOCATION LOCATED IN MEADOW.
  5. LOCATION IS APPROXIMATELY 1050' NORTH OF COUNTY ROUTE 30/2.
  6. EXISTING FARM ROAD TO BE MAINTAINED.

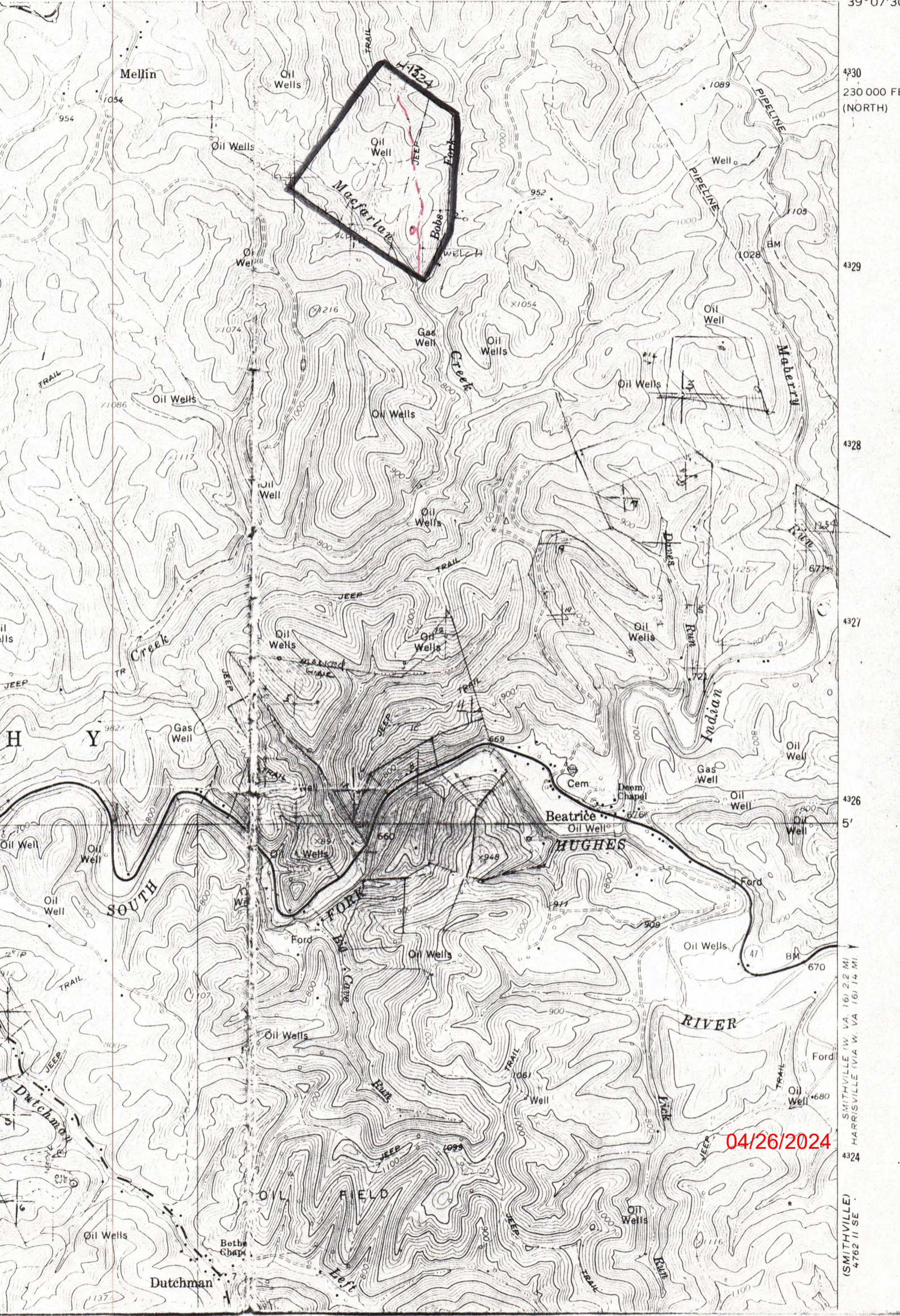
04/26/2024

SURVEY

MACFARLAN QUADRANGLE  
WEST VIRGINIA  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
SW/4 HARRISVILLE 15' QUADRANGLE

4762 II  
(HARRISVILLE)

10' 486 1 530 000 FEET (NORTH) 488 489 81° 07' 30" 39° 07' 30"



4330  
230 000 FEET (NORTH)

4329

4328

4327

4326

5'

4324

(SMITHVILLE)  
4762 II SE

04/26/2024

MINERAL RIGHTS OWNERS

WELCH #1                      API 47-085-6911  
Murphy District  
Ritchie Co., WV

CHARLES A. & CAROLYN D. WELCH 333 West High Harrisville, WV 26362	.0416667 (1/3rd RI)
RENA & ROBERT HADDAD 503 Rena Drive Charleston, WV 25312	.0416667 (1/3rd RI)
PHYLLIS & JACK L. BRITTON 480 Hillview Drive Morgantown, WV 26505	.0416666 (1/3rd RI)
	<hr/>
	.125





1) Date: March 9, 19 84  
 2) Operator's Well No. WELCH #1  
 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 X /  
 B (If "Gas", Production \_\_\_\_\_ / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X /)
- 5) LOCATION: Elevation: 895' Watershed: Bobs Fork of Macfarlan Creek  
 District: Murphy County: Ritchie Quadrangle: Macfarlan
- 6) WELL OPERATOR Petro-Mark, Inc. 7) DESIGNATED AGENT L. L. Mitchell  
 Address P. O. Box 37 Address 2402 Belmont Road  
Reno, Ohio 45773 Parkersburg, WV 26101
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Samuel Hersman Name C. T. Drilling Corp.  
 Address P. O. Box 66 Address Route 1, Box 55J  
Smithville, WV 26178 Marietta, OH 45750
- 10) PROPOSED WELL WORK: Drill X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate \_\_\_\_\_  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Big Injun
- 12) Estimated depth of completed well, 2300 feet
- 13) Approximate trata depths: Fresh, 65 feet; salt, 1400 feet.
- 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes \_\_\_\_\_ / No X
- 15) CASING AND TUBING PROGRAM

**RECEIVED**

MAR 23 1984

OIL & GAS DIVISION

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL UP OR SACKS (Cubic feet)	DEPTH OF PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	13 3/8			X		40'	40'	15 sx	Kinds
Fresh water	8 5/8		20#	X		320'	300'	To Surface	Sizes
Coal									
Intermediate									
Production	4 1/2		9.5#	X		2310'	2300'	As per Reg.	Depths set
Tubing								15.01	
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: \_\_\_\_\_

Bash Echard Date: 3/15/84

By \_\_\_\_\_

(Signature)

Its \_\_\_\_\_ Date \_\_\_\_\_

BASH ECHARD

(Signature)

The said Lessee covenants and agrees to pay a rental in advance \_\_\_\_\_ dollars (\$ \_\_\_\_\_) quarterly in advance, beginning in \_\_\_\_\_ months from this date, until a well is completed, or this lease surrendered; any rental paid for time beyond the date of completion of a gas well shall be credited upon the first royalty due upon the same.

All payments hereunder may be directed to the Lessor, or deposited to \_\_\_\_\_ their \_\_\_\_\_ credit or the credit of \_\_\_\_\_ their \_\_\_\_\_ respective heirs or assigns \_\_\_\_\_ at their respective addresses \_\_\_\_\_, or by check payable and mail to \_\_\_\_\_ at \_\_\_\_\_ Post Office, \_\_\_\_\_ County, State of West Virginia, or in any of said methods to \_\_\_\_\_, who is hereby appointed agent to receive and receipt for the same.

Lessor may lay a line to any well producing gas only on said land or to second party's pipe line leading from said well to market, to take gas produced from said well for \_\_\_\_\_ their \_\_\_\_\_ own use for heat and light in one dwelling house \_\_\_\_\_ at Lessor's own risk, subject to the use, operation, pumping and right of abandonment of the well and pipe line by the Lessee; the first two hundred thousand cubic feet of gas so taken in each year shall be free, but all gas in excess of two hundred thousand cubic feet taken in each year shall be paid for by the Lessor at the current published local rates of the Lessee, and measurement and regulation shall be by meter and regulators set at the tap on the well of line. This privilege is upon condition that the Lessor shall use said gas with economy, in safe and proper pipes and appliances, and shall subscribe to and be bound by reasonable rules and regulations of the Lessee published at such time relating to such use of gas.

It is agreed that free gas may be used on lessor's adjacent tract. This lease may not be pooled without the written consent of the lessors.

This agreement may be declared null and void by Lessor, if Lessee has failed to complete a well on this parcel prior to or concurrent with completion of a well on the adjoining 125 acre parcel of which the Lessors herein are part owners.

It is further agreed that the Lessee shall have the right at any time to surrender this lease, or from time to time any part or parts of the leased land upon the payment of One Dollar (\$1.00) and all amounts due hereunder as to the land so surrendered, and thereafter the Lessee shall be released and discharged from all payments, obligations, covenants and conditions herein contained as to the land so surrendered, and this lease shall thereupon become null and void as to land in respect to which a surrender is made.

The Lessor agrees that the recordation of deed of surrender in the proper County, and deposit in the post office of a check payable as above provided for said last mentioned sum and all amounts then due hereunder, shall be and be accepted as full and legal surrender of Lessee's rights under this lease.

All terms, conditions, limitations and covenants between the parties hereto shall extend to their respective heirs, successors, personal representatives and assigns.

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

Witness:

_____	<i>Charles A. Welch</i>	CHARLES A. WELCH	(Seal)
_____	<i>Carolyn D. Welch</i>	CAROLYN D. WELCH	(Seal)
_____	<i>Rena Haddad</i>	RENA HADDAD	(Seal)
_____	<i>Robert Haddad</i>	ROBERT HADDAD	(Seal)
_____	<i>Phyllis Britton</i>	PHYLLIS BRITTON	(Seal)
_____	<i>Jack L. Britton</i>	JACK L. BRITTON	(Seal)

Signed: \_\_\_\_\_

04/26/2024

THIS AGREEMENT, made and entered into the 1st day of November, 1983, by and between CHARLES A. WELCH and CAROLYN D. WELCH, his wife, RENA HADDAD and ROBERT HADDAD, her husband, and PHYLLIS BRITTON and JACK L. BRITTON, her husband,

parties of the first part, hereinafter called the Lessor, and PETRO-MARK, INC., of P. O. Box 37, Reno, Ohio 45773, party of the second part, hereinafter called the Lessee.

Witnesseth, That the Lessor in consideration of One Dollar (\$1.00) in hand paid by the Lessee, receipt of which is hereby acknowledged, and of the covenants and agreements hereinafter contained, hereby grants and warrants generally the title to all the oil and gas in and under, and grants, demises and leases with covenants of quiet possession, and of sole right to convey, all that certain tract of land hereinafter described, for the sole and only purpose of operating for and producing oil and gas, together with the rights of way and servitudes for pipe lines, structures, plants, drips, tanks, stations, telephone, telegraph and electric power lines, houses for gates, meters and regulators, and all other rights and privileges necessary, incident to and convenient for the economic operation, including the drilling of wells, of this land for oil and gas, with the right to use free oil, gas and water for such purposes and with the right of removing either during or after the term hereof all and any property and improvements placed or erected on the premises by Lessee; also with the right of operating as one entire tract, or subdividing the premises situate in Murphy District, Ritchie County, and State of West Virginia, on the waters of bounded and described as follows:

On the North by lands of C. Reed
On the East by lands of C. Reed
On the South by lands of J. Welch Heirs and Westvaco
On the West by lands of J. Higginbotham and J. Elliott
Containing 25 (twenty-five) acres, more or less, reserving, however, feet from the building now on the premises, on which no well shall be drilled by either party except by mutual consent.

six (6) Months

To have and to hold unto and for the use of the Lessee for the term of / from this date, and as long thereafter as the said land is operated by the Lessee in the search for or production of oil or gas, with the extension of term by payment of rentals as hereinafter set forth.

IN CONSIDERATION OF THE PREMISES the said Lessee covenants and agrees: 1st — To deliver to the credit of the Lessor, their heirs or assigns, free of cost, in the pipe line to which said Lessee may connect its wells, a royalty of the equal 5/32 part of all oil produced and saved from the leased premises; 2nd — To pay the equal 5/32 of all money received from sale of gas from each and every gas well drilled on said premises, the product from which is marketed and used off the premises, said payment to be made within sixty days after commencing to market the gas therefrom as aforesaid and to be paid each three months thereafter while the gas from said well or wells is so marketed and used.

Said Lessee shall not be required in any event to increase the rate of said gas well payments or said royalty of oil or the delay rental payments hereinafter provided by reason of any royalty or interest in said oil or gas that may have been heretofore sold, reserved or conveyed by said Lessor or their predecessors in title or otherwise; and if the Lessor does not have title to all the oil and gas in the leased premises, there shall be refunded such part of all delay rental and gas well payments made by the Lessee under this lease, as shall be proportionate to the outstanding title, and payments thereafter to be made for such purposes shall be reduced in the same proportion.

The leased premises may be fully and freely used by the Lessor for farming purposes, excepting such parts as are used by Lessee in operating hereunder.

# OIL AND GAS LEASE

FROM

CHARLES A. WELCH and CAROLYN D. WELCH,  
RENA HADDAD and ROBERT HADDAD, and  
PHYLLIS BRITTON and JACK L. BRITTON

TO

PETRO-MARK, INC.

Date November 1, 1983

TERM Six Months

No. Acres 25

### LOCATION

DISTRICT Murphy District

COUNTY Ritchie County

West Virginia

Filed and admitted to record in the office  
of the Clerk of the County Commission of Ritchie  
County, W. Va. JAN 4 1984

at 2:40 o'clock P M

Recorded in lease 703

Book No. 146

Teste: Linda B. May Clerk

(Form CC No. 3)

STATE OF WEST VIRGINIA

Ritchie County Commission Clerk's Office January 4th, 1984  
at 2:40 o'clock P. M.

The foregoing writing, with the certificates of acknowledgment thereto, was this day admitted to record in said office.

Teste: Linda B. May, Clerk

STATE OF WEST VIRGINIA,

COUNTY OF Ritchie

TO-WIT: I, David G. Hanlon, a Notary Public in and for said County and State, do certify that Charles A. Welch and Carolyn D. Welch, his wife, whose name s are signed to the writing above, bearing date the 1st day of November, 1983, ha ve this day acknowledged the same before me in my said County.

Given under my hand this 29th day of December, 1983. My Commission expires 3/15/92. David G. Hanlon, Notary Public

STATE OF WEST VIRGINIA,

COUNTY OF Kanawha

TO-WIT: I, Eva Z. Blakeman, a Notary Public in and for said County and State, do certify that Rena Haddad and Robert Haddad, her husband, whose name s are signed to the writing above, bearing date the 1st day of November, 1983, ha ve this day acknowledged the same before me in my said County.

Given under my hand this 14th day of November, 1983. My Commission expires March 1, 1993. Eva Z. Blakeman, Notary Public

STATE OF WEST VIRGINIA,

COUNTY OF Monongalia

TO-WIT: I, Shirley A. Robinson, a Notary Public in and for said County and State, do certify that Phyllis Britton and Jack L. Britton, her husband, whose name s are signed to the writing above, bearing date the 1st day of November, 1983, ha ve this day acknowledged the same before me in my said County.

Given under my hand this 10th day of November, 1983. My Commission expires October 29, 1990. Shirley A. Robinson, Notary Public

STATE OF WEST VIRGINIA,

COUNTY OF \_\_\_\_\_

TO-WIT: I, \_\_\_\_\_, a Notary Public in and for said County and State, do certify that \_\_\_\_\_ and \_\_\_\_\_, his wife, whose name \_\_\_\_\_ signed to the writing above, bearing date the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, ha \_\_\_\_\_ this day acknowledged the same before me in my said County.

Given under my hand this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_. My Commission expires \_\_\_\_\_, Notary Public

STATE OF WEST VIRGINIA,

COUNTY OF \_\_\_\_\_

TO-WIT: I, \_\_\_\_\_, a Notary Public in and for said County and State, do certify that \_\_\_\_\_ and \_\_\_\_\_, his wife, whose name \_\_\_\_\_ signed to the writing above, bearing date the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, ha \_\_\_\_\_ this day acknowledged the same before me in my said County.

Given under my hand this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_. My Commission expires \_\_\_\_\_, Notary Public

THIS INSTRUMENT PREPARED BY DAVID G. HANLON, ATTORNEY AT LAW, 111 SOUTH COURT STREET, HARRISVILLE, WEST VIRGINIA 26362

IV-35  
(Rev 8-81)

**RECEIVED**  
JUN 19 1984



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

**State of West Virginia**  
Department of Mines  
Oil and Gas Division

Date June 11, 1984  
Operator's Well No. #1  
Farm WELCH  
API No. 47 - 085 - 6911

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     /)

LOCATION: Elevation: 895' Watershed Bob's Fork of Macfarlan Creek  
District: Murphy County Ritchie Quadrangle Macfarlan 7 1/2' Quad

COMPANY Petro-Mark, Inc.  
ADDRESS P. O. Box 37, Reno, OH 45773  
DESIGNATED AGENT L. L. Mitchell  
ADDRESS Rt. #5, Box 15, Parkersburg, W.Va.  
SURFACE OWNER Bash Echard  
ADDRESS Route 1, Harrisville, WV 26362  
MINERAL RIGHTS OWNER See royalty owners  
ADDRESS list attached

OIL AND GAS INSPECTOR FOR THIS WORK Samuel Hersman  
ADDRESS P. O. Box 66 Smithville, WV 26178

PERMIT ISSUED April 9, 1984  
DRILLING COMMENCED April 28, 1984  
DRILLING COMPLETED May 1, 1984

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"	40'	40'	Surface
9 5/8			
8 5/8	320'	320'	Surface
7			
5 1/2			
4 1/2	1955'	1955'	1497'KB
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Big Injun Sand Depth 1892 feet  
Depth of completed well 1987 feet Rotary XX / Cable Tools      
Water strata depth: Fresh 62 feet; Salt 1323 feet  
Coal seam depths: 176 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Big Injun Sand Pay zone depth 1892 feet  
Gas: Initial open flow 50 Mcf/d Oil: Initial open flow 1 Bbl/d  
Final open flow 30 Mcf/d Final open flow 1/2 Bbl/d

Time of open flow between initial and final tests 72 hours

Static rock pressure 290 psig (surface measurement) after 24 hours shut in  
(If applicable due to multiple completion--)

Second producing formation N/A 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

RIT 6911

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

Perforated 5/17/84 with 14 holes from 1895 - 1917

Hydrofractured with 781 barrels of gelled water and  
21,000 pounds of sand

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS	
					Including indication of all fresh and salt water, coal, oil and gas	
Unconsolidated Sand & Clay			0	48	Fresh Water	
Shale			48	62		
Sandstone			62	130		
Shale			130	176		
Coal			176	178		
Shale w/Sandstone			178	292	Salt Water	
Sandstone			292	320		
Shale & Sandstone			320	1323		
Cow Run Sand			1323	1350		
Salt Sand			1578	1604		
Maxton Sand			1697	1732		Gas
Greenbrier Lime			1732	1874		
Big Injun			1892	1918		Gas
Cuyahoga Shale			1918	1987		
Total Depth				1987		

(Attach separate sheets as necessary)

PETRO-MARK, INC.

Well Operator

04/26/2024

By:

*Richard Brown*

Date: 6/11/84

Richard Brown, Geologist

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 ..., encountered in the drilling of a well."

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

RECEIVED

MAY 7 - 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

DEPT. OF MINES

Oil or Gas Well (KIND)

Permit No. 85-6911

Company Petro Mark  
 Address \_\_\_\_\_  
 Farm Bash Eckard  
 Well No. Welch #1  
 District Murphy County Ritchie  
 Drilling commenced 4-27-84  
 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 Qusted 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 5/8			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 M. Hoover / D. Domorack / G. Roberts

Remarks: C + T Drilling Rig # 2 Tool Pusher Rick Johnson

Ran 317 feet of 8 5/8" casing - Dowell ran 75 sacks class A. with 3% cc  
Waiting on cement at time of visit

4-29-84

DATE

Samuel M. H.  
04/26/2024  
DISTRICT WELL INSPECTOR







RECEIVED

JUL 29 1984

OIL & GAS DIVISION  
DEPT. OF MINES

State of West Virginia  
Department of Mines  
Oil and Gas Division  
Charleston 25305

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
June 22, 1984

COMPANY Petro-Mark, Inc.  
P. O. Box 37  
Reno, Ohio 45773

PERMIT NO 085-6911 4/84  
FARM & WELL NO Welch #1  
DIST. & COUNTY Murphy/Ritchie

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	✓	
25.04	Prepared before Drilling to Prevent Waste	✓	
25.03	High-Pressure Drilling	✓	
16.01	Required Permits at Well-site	✓	
15.03	Adequate Fresh Water Casing	✓	
15.02	Adequate Coal Casing	✓	
15.01	Adequate Production Casing		
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	✓	
7.05	Identification Markings	✓	

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

SIGNED Samuel N. Heroman

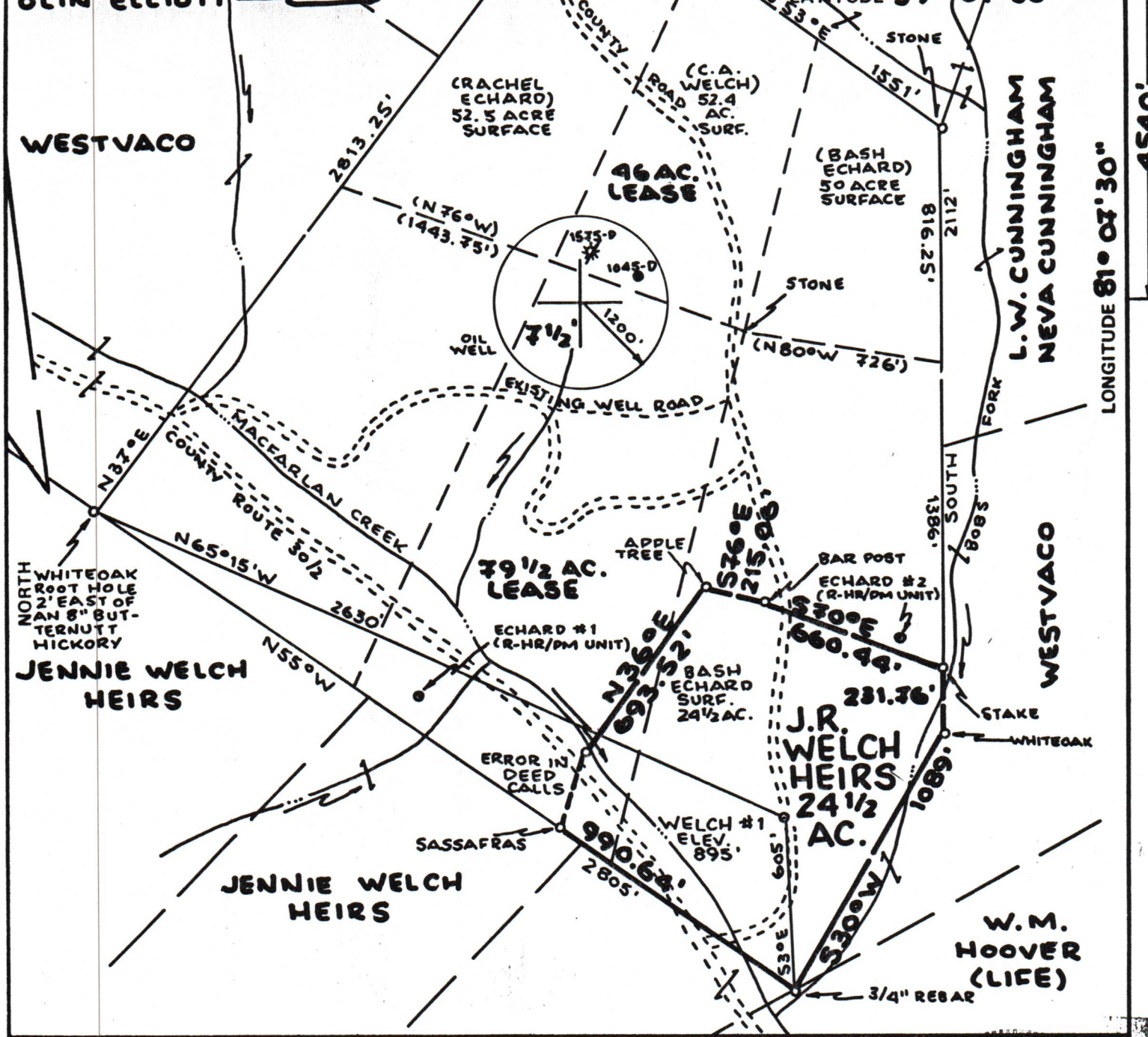
DATE 7-20-84

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-Oil & Gas Division

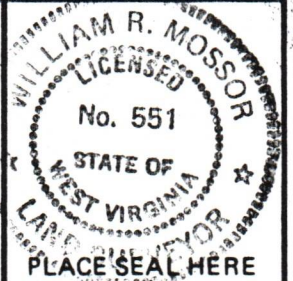
July 27, 1984  
DATE

W.H. 4/4/84



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE **1" = 500'**  
 MINIMUM DEGREE OF ACCURACY **1:200**  
 PROVEN SOURCE OF ELEVATION **HIGH POINT ELEV. 1125'**

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) *William R. Mossor*  
 R.P.E. \_\_\_\_\_ L.L.S. **551**



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)



DATE **17 FEBRUARY**, 19 **84**  
 OPERATOR'S WELL NO. **WELCH #1**  
 API WELL NO. \_\_\_\_\_  
**47 - 085 - 6911**  
 STATE COUNTY PERMIT

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

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION **895'** WATER SHED **BOBS FORK OF MACFARLAN CREEK**  
 DISTRICT **MURPHY** COUNTY **RITCHIE**  
 QUADRANGLE **MACFARLAN 7 1/2' QUAD.**  
 SURFACE OWNER **BASH ECHARD** ACREAGE **24 1/2**  
 OIL & GAS ROYALTY OWNER **J.R. WELCH HEIRS** LEASE ACREAGE **24 1/2**  
 LEASE NO. \_\_\_\_\_ **04/26/2024**  
 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 **BIG INJUN** ESTIMATED DEPTH **2300'**  
 WELL OPERATOR **PETRO-MARK, INC.** DESIGNATED AGENT **L.L. MITCHELL**  
 ADDRESS **P.O. Box 37** ADDRESS **P.O. Box 37**  
**RENO, OHIO 45773** **RENO, OHIO 45773**

RT 1 6911