



1) Date: March 9, 19 84
 2) Operator's Well No. Echard #2 (R-HR/PM Unit
 3) API Well No. 47 - 085 - 6912
 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: 872' 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, OH 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, Ohio 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, Brailler Shale
 12) Estimated depth of completed well, 5500 feet
 13) Approximate strata depths: Fresh, 60 feet; salt, 1400 feet.
 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes _____ / No

RECEIVED
 MAR 23 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									
Fresh water	<u>13 3/8</u>			<input checked="" type="checkbox"/>		<u>310'</u>	<u>300'</u>	<u>To Surface</u>	Kinds <u>NEAT</u>
Coal									Sizes
Intermediate	<u>8 5/8</u>		<u>24#</u>	<input checked="" type="checkbox"/>		<u>1010'</u>	<u>1000'</u>	<u>50 sx</u>	
Production	<u>4 1/2</u>		<u>10.5#</u>	<input checked="" type="checkbox"/>		<u>5520'</u>	<u>5500'</u>	<u>As per Reg.</u>	Depths set
Tubing								<u>15.01</u>	
Liners									Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-085-6912 Date April 9, 19 84

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

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

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

Bond: <u>B</u>	Agent: <u>Lo</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>1081</u>
----------------	------------------	-----------------	-------------------	------------------

Margaret J. Dasse
 Administrator, Office of Oil and Gas

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



OFFICE USE ONLY

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

1) Date: _____

2) Operator's Well No.: _____

3) API Well No.: _____

4) Well Location: _____

5) Well Operator: _____

6) Oil & Gas Inspector to be Notified: _____

7) Proposed Well Work: _____

8) Geological Target Formation: _____

9) Estimated depth of completed well: _____

10) Approximate test depth: _____

11) Approximate casing depth: _____

12) Casing and Tubing Program: _____

RECEIVED

Casing or Tubing Type	Size	Grade	Weight per ft.	Applications		Footage Interval	Cement Type	Cement Volume	Kind
				Perforations	Other				
Conductor									
Prep water									
Casing									
Intermediate									
Production									

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: _____

Board	Agent	Plat.	Casing	Fee

04/26/2004

1) Date: March 9, 19 84
2) Operator's
Well No. Echard #2 (R-HR/PM)
3) API Well No. 47-085-6912
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
Harrisville, WV 26362
(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

Lula E Stee

Notary Public, Washington County,
State of Ohio

WELL OPERATOR Petro-Mark, Inc.

By Richard Hudson
Its Richard Hudson, President
Address P. O. Box 37
Reno, Ohio 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.

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
-----------------------	-----------------------	---------	-----------





IV-9
(Rev 8-81)

DATE 17 FEBRUARY, 1984

WELL NO. ECHARD #2 (R-HR/PM UNIT)

API NO. 47 - 085 - 6912

State of West Virginia
Department of Mines
Oil and Gas Division
Construction & Reclamation Plan

COMPANY NAME PETRO-MARK, INC.
ADDRESS P.O. BOX 37

DESIGNATED AGENT L.L. MITCHELL
ADDRESS P.O. BOX 37

RENO, OHIO 45773

RENO, OHIO 45773

Telephone (614) 373-8049

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 Newton
(SCD Agent)

RECEIVED
MAR 23 1984

ACCESS ROAD

LOCATION
OIL & GAS DIVISION

Structure CROSS DRAIN

(A)

Structure DIVERSION DITCH OF MINES (1)

Spacing 45' TO 400' (AS NEEDED)

Material SOIL

Page Ref. Manual 2:1

Page Ref. Manual 2:12

Structure RIP-RAP (LOGS & HAY BALES)

(B)

Structure RIP-RAP (2)

Spacing SAME AS CROSS DRAIN

Material LOGS & HAY BALES

Page Ref. Manual 2:9

Page Ref. Manual 2:9

Structure _____

(C)

Structure _____ (3)

Spacing _____

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

Treatment Area II

Lime _____ Tons/acre
or correct to pH 6.5

Lime _____ Tons/acre
or correct to pH 6.5

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Mulch HAY OR STRAW 2 Tons/acre

Mulch HAY OR STRAW 2 Tons/acre

Seed* ORCHARD GRASS 12 lbs/acre

Seed* ORCHARD GRASS 12 lbs/acre

LADINO CLOVER 3 lbs/acre

LADINO CLOVER 3 lbs/acre

TIMOTHY 6 lbs/acre
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

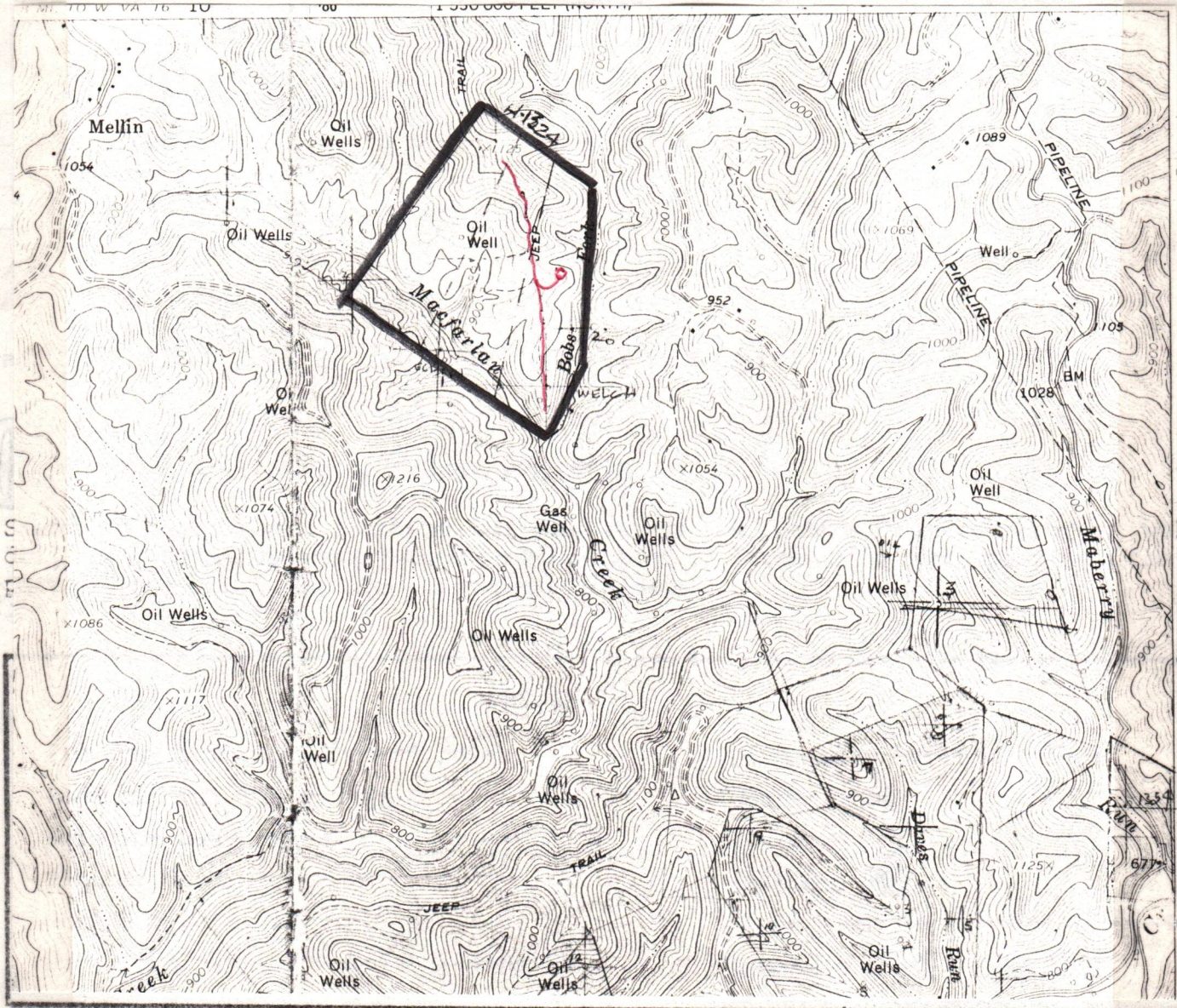
HARRISVILLE, W.VA. 26362

PHONE NO. (304) 643-4572

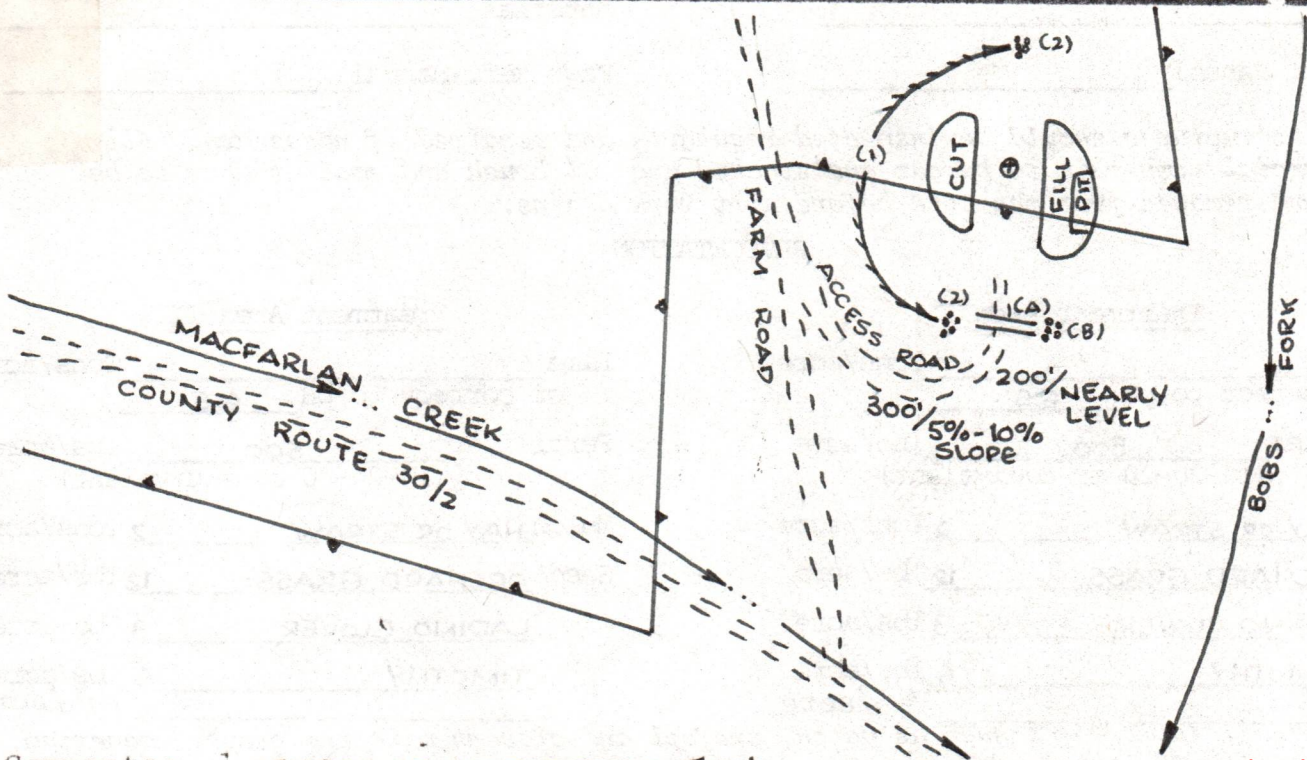
NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE MACFARLAN

LEGEND
WELL SITE ⊕ ACCESS ROAD—



Line, first



- Comments:
1. LENGTH OF ACCESS ROAD 500'.
 2. BRUSH TO BE PILED AND BURNED AT SITE.
 3. TREES TO BE CUT AND STACKED AT SITE.
 4. LOCATION IS APPROXIMATELY 2300' NORTH OF COUNTY ROUTE 30 1/2.
 - 5.

04/26/2024

A
L SURVEY
S

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

4762 II
(HARRISVILLE)

10 W VA 16 10' 486 1 530 000 FEET (NORTH) 488 489 81°07'30" 39°07'30"



4330
230 000 FE
(NORTH)

4329

4328

4327

4326

5'

4324

(SMITHVILLE)
4762 II SE

SMITHVILLE (W. VA. 16) 2.2 MI
HARRISVILLE (W. VA. 16) 1.4 MI

04/26/2024



P.O. Box 37
Reno, Ohio 45773
614/373-8049

May 15, 1984

Echard #2
Murphy Dist., Ritchie Co., WV

OWNERSHIP OF ROYALTY

Orval R. Echard 2510 - 21st Avenue Parkersburg, WV 26101	.05208 RI
Charles A & Carolyn Welch 333 West High Harrisville, WV 26362	.01736 RI
Rena & Robert Haddad 503 Reva Drive Charleston, WV	.01736 RI
Phyllis & Jack Britton 480 Hillview Dr. Morgantown, WV 26505	.01736 RI
Bashford & Norma Echard Route 1 Harrisville, WV 26362	.01232 RI
James H. Shrader 204 N. Moats Ave. Harrisville, WV 26362	.01233 RI
Hobart C. Shrader 1001 Pike St. Parkersburg, WV 26101	.01233 RI
Mary & Paul Isner 2119 N. Bosart Indianapolis, IN 46218	.01233 RI
Barbara & Ronald Six 1004 Mary St. Harrisville, WV 26362	.00139 RI
Sharon & Leonard Daugherty 1103 S. Spring Harrisville, WV 26362	.00139 RI
	<hr/>
	.15625 (5/32nds)

04/26/2024

APR 26 1984



1) Date: March 9, 19 84
 2) Operator's Well No. Echard #2 (R-HR/PM Unit)
 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 X / Gas X /
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 872' 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, OH 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, Ohio 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, Brailer Shale
- 12) Estimated depth of completed well, 5500 feet
 13) Approximate trata depths: Fresh, 60 feet; salt, 1400 feet.
 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes _____

RECEIVED
 MAR 23 1984

OIL & GAS DIVISION
 No. X
 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									
Fresh water	<u>13 3/8</u>			<u>X</u>		<u>310'</u>	<u>300'</u>	<u>To Surface</u>	Kinds
Coal									Sizes
Intermediate	<u>8 5/8</u>		<u>24#</u>	<u>X</u>		<u>1010'</u>	<u>1000'</u>	<u>50 sx</u>	Depths set
Production	<u>4 1/2</u>		<u>10.5#</u>	<u>X</u>		<u>5520'</u>	<u>5500'</u>	<u>As per Reg.</u>	Perforations.
Tubing								<u>15.01</u>	Top Bottom
Liners									

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.)
 NAME: _____
 By _____
 Its _____ Date _____

(For execution by natural persons)
X Bash Echard Date: 3/15/84
 (Signature)
 BASH ECHARD
 (Signature) Date: _____

04/26/2024



IV-35
(Rev 8-81)

State of West Virginia
Department of Mines
Oil and Gas Division

Date May 25, 1984
Operator's
Well No. #2
Farm ECHARD
API No. 47 - 085 - 6912

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: 872' Watershed Bob's Fork of Macfarlan Creek
District: Murphy County Ritchie Quadrangle Macfarlan

COMPANY PETRO-MARK, INC.
ADDRESS P.O.Box 37, Reno, OH 45773
DESIGNATED AGENT L. L. Mitchell
ADDRESS Route 5, Box 15
Parkersburg, W.Va. 26101
SURFACE OWNER BASHFORD Echard
ADDRESS Route 1, Harrisville, W. Va. 26362
MINERAL RIGHTS OWNER See attached list
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Samuel
Hersman ADDRESS P. O. Box 66
Smithville, W.Va.
PERMIT ISSUED 4/9/84
DRILLING COMMENCED 4/14/84
DRILLING COMPLETED 4/20/84
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Casing & Tubing Size Cond.	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16			
13-10"	300'	300'	Surface
9 5/8			
8 5/8	1037'	1037'	50 ft ³
7			
5 1/2			
4 1/2	5028'	5028'	2685' KB
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Ohio Shale Depth 5120' KB feet
Depth of completed well 5028 feet Rotary X / Cable Tools
Water strata depth: Fresh 73' feet; Salt 1309' feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Ohio Shale Pay zone depth 3206' KB feet
Gas: Initial open flow 175 Mcf/d Oil: Initial open flow 8 Bbl/d
Final open flow 110 Mcf/d Final open flow 3 Bbl/d
Time of open flow between initial and final tests 72 hours
Static rock pressure 240 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

(Continue on reverse side)

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

4/25/84 Perforated Ohio Shale from 3206 to 3216' KB
with 40 holes

4/27/84 Stimulated with 650,000 SCF of Nitrogen

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 gravel and clay			0	48	
Shale			48	73	
Sandstone & gravel			73	97	Fresh water
Shale with sandstone			97	450	
Sandstone			450	490	
Shale with Sandstone			490	1309	
Dunkard Sand			1309	1340	Salt water
Greenbrier Limestone			1763	1872	
Big Injun sand			1872	1903	
Squaw Sand			1912	1920	Gas
Sunbury Shale			2276	2288	
Berea Sandstone			2288	2289	
Top of Ohio Shale			2298		
Gordon Siltstone			2670	2681	
Benson Siltstone			4835	4846	
T. D.				5120	

(Attach separate sheets as necessary)

PETRO-MARK, INC.
Well Operator
By: [Signature] 04/26/2024
Date: Richard Hudson, President 5/25/84

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

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

RECEIVED
APR 23 1984

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

Permit No. 85-6912

Oil or Gas Well _____
(KIND)

Company Petro Mark Inc.
 Address _____
 Farm Bush Orchard
 Well No. Orchard # 2
 District Murphy County Putnam
 Drilling commenced 4-14-84
 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 121' small amount 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 Dave Johnson / Ronald Berg / Rusty Casey

Remarks: CTT Drilling Rig # 3 tool pusher Dave Lower
on 4-15-84 ran 301 feet of 11 3/4" casing
Halliburton ran 80 sacks cement - reg.
1050 foot deep at time of visit

4-16-84
DATE

Samuel N. He... 04/26/2024
DISTRICT WELL INSPECTOR

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

RECEIVED

APR 24 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

DEPT. OF MINES

Permit No. 85-6912

Oil or Gas Well _____
(KIND)

Company <u>PetroMark Inc.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			Kind of Packer _____
Farm <u>Bash Eckard</u>	16			
Well No. <u>Eckard # 2</u>	13			Size of _____
District <u>Murphy</u> County <u>Ritchie</u>	10			
Drilling commenced <u>4-14-84</u>	8 1/4			Depth set _____
Drilling completed _____ Total depth _____	6 1/2			
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top _____
Volume _____ Cu. Ft.	Liners Used			Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks: on 4-16-84 ran 1039 foot of 8 5/8 casing - Halliburton ran 35 sacks cement. 3450 foot deep at time of visit.

Found pit leaking into stream. told Bob Pusher, Dave Lower to build new pit and pump old pit into it and also call D.N.R. and report pit spill

(1700 top of Lime
1900 Bottom of Super gas show
2660 gas show
3210-3230 gas show with oil)

4-19-84

DATE

Samuel N. [Signature]
DISTRICT WELL INSPECTOR

042612024

Form 26
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

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

Drillers' Names _____

Remarks: _____

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

04/26/2024
DISTRICT WELL INSPECTOR



RECEIVED

JUL 23 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 6, 1984

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

PERMIT NO 085-6912 4/84
FARM & WELL NO Echard #2
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 Wellsite	✓	
15.03	Adequate Fresh Water Casing	✓	
15.02	Adequate Coal Casing	✓	
15.01	Adequate Production Casing		
15.04	Adequate Cement Strenght		
15.05	Cement Type	✓	
23.02	Maintained Access Roads	✓	
25.01	Necessary Equipment to Prevent Waste	✓	
23.04	Reclaimed Drilling Pits	✓	
23.05	No Surface or Underground Pollution	✓	
23.07	Requirements for Production & Gathering Pipelines	✓	
16.01	Well Records on Site	✓	
16.02	Well Records Filed	✓	
7.05	Identification Markings	✓	

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

SIGNED 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

THIS AGREEMENT, made and entered into the 1st day of November, 1983
 by and between RAY ECHARD, divorced, BASHFORD ECHARD and NORMA ECHARD, his wife,
CHARLES A. WELCH and CAROLYN D. WELCH, his wife, RENA HADDAD and ROBERT HADDAD, her
husband, PHYLLIS BRITTON and JACK L. BRITTON, her husband, JAMES H. SHRADER, single,
HOBART SHRADER, single, and MARY ISNER and PAUL ISNER, her husband, and SHARON DAUGHERTY
and LEONARD DAUGHERTY, her husband, and BARBARA J. SIX and RONALD D. SIX, her
husband, _____ part ies
 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 Seventy--Nine and 1/2 (79 1/2) acres, more or less,
 reserving, however, 100 feet from the cemetery 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.

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 on said land 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.

One well will hold forty (40) acres of the subject lease. Two wells will hold entire lease. There shall be no pooling without the written consent of lessors.

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.

<u>Barbara J. Six</u> (SEAL)	<u>Sharon Daugherty</u> (SEAL)
<u>Ronald D. Six</u> (SEAL)	<u>Leonard Daugherty</u> (SEAL)
<u>Ray Echard</u> (SEAL)	<u>Robert Haddad</u> (Seal)
<u>Rashford Echard</u> (SEAL)	<u>Phyllis Britton</u> (Seal)
<u>Norma Echard</u> (SEAL)	<u>Jack L. Britton</u> (Seal)
<u>Charles A. Welch</u> (SEAL)	<u>James H. Shrader</u> (Seal)
<u>Carolyn D. Welch</u> (SEAL)	<u>Hobart C. Shrader</u> (Seal)
<u>Rena Haddad</u> (SEAL)	<u>Mary Isner</u> (Seal)
	<u>Paul Isner</u> (SEAL)

04/26/2024

STATE OF WEST VIRGINIA,
COUNTY OF Ritchie

TO-WIT: I, David G. Howlon, a Notary Public in and for said County and State, do certify that Ray Echard, divorced

whose name is signed to the writing above, bearing date the 1st day of November, 19 83 has this day acknowledged the same before me in my said County.

Given under my hand this 9th day of December, 19 83.
My Commission expires 3/15/92. David G. Howlon, Notary Public

STATE OF WEST VIRGINIA,
COUNTY OF Ritchie

TO-WIT: I, David G. Howlon, a Notary Public in and for said County and State, do certify that Bashford Echard and Norma Echard

his wife, whose name s are signed to the writing above, bearing date the 1st day of November, 19 83 have this day acknowledged the same before me in my said County.

Given under my hand this 28th day of December, 19 83.
My Commission expires 3/15/92. David G. Howlon, Notary Public

STATE OF WEST VIRGINIA,
COUNTY OF Ritchie

TO-WIT: I, David G. Howlon, 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, 19 83 have this day acknowledged the same before me in my said County.

Given under my hand this 3rd day of January, 19 84.
My Commission expires 3/15/92. David G. Howlon, Notary Public

STATE OF WEST VIRGINIA,
COUNTY OF Manawha

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, 19 83 have this day acknowledged the same before me in my said County.

Given under my hand this 14th day of November, 19 83.
My Commission expires Mar. 1, 1993. Eva Z. Blakeman, Notary Public

STATE OF WEST VIRGINIA,
COUNTY OF Monongalia

TO-WIT: I, Shirley L. 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, 19 83 have this day acknowledged the same before me in my said County.

Given under my hand this 10th day of November, 19 83.
My Commission expires October 29, 1990. Shirley L. Robinson, Notary Public

OIL AND GAS LEASE

FROM

RAY ECHARD, BASHFORD ECHARD and
NORMA ECHARD, CHARLES A. WELCH and
CAROLYN D. WELCH, RENA HADDAD and
~~ROBERT HADDAD, PHYLLIS BRITTON and~~
JACK L. BRITTON, JAMES H. SHRADER,
HOBART SHARDER and MARY ISNER and
PAUL ISNER, TO

PETRO-MARK, INC.

Date November 1, 1983

TERM Six Months

No. Acres 125

LOCATION

DISTRICT Murphy District

COUNTY Ritchie

West Virginia

STATE OF WEST VIRGINIA,
COUNTY OF RITCHIE, to-wit:

I, C. Philip Keeth, a Notary Public in and for said County and State, do certify that James H. Shrader, single, whose name is signed to the writing above, bearing date the 1st day of November, 1983, has this day acknowledged the same before me in my said County. Given under my hand this 22 day of Nov, 1983. My Commission expires 2-5-85.

C. Philip Keeth
NOTARY PUBLIC

STATE OF WEST VIRGINIA,
COUNTY OF RITCHIE, to-wit:

I, C. Philip Keeth, a Notary Public in and for said County and State, do certify that Hobart Shrader, single, whose name is signed to the writing above, bearing date the 1st day of November, 1983, has this day acknowledged the same before me in my said County. Given under my hand this 25 day of Nov, 1983. My Commission expires 2-5-85.

C. Philip Keeth
NOTARY PUBLIC

STATE OF ~~WEST VIRGINIA~~, INDIANA
COUNTY OF ~~RITCHIE~~, to-wit:
MARION

I, ROBERT GOODE, a Notary Public in and for said County and State, do certify that Mary Isner and Paul Isner, her husband, whose names are signed to the writing above, bearing date the 1st day of November, 1983, have this day acknowledged the same before me in my said County. Given under my hand this 15th day of November, 1983. My Commission expires 2/27/84.

Robert Goode
NOTARY PUBLIC PUBLIC

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

STATE OF WEST VIRGINIA,
COUNTY OF RITCHIE, to-wit:

I, David Hanlon, a Notary Public in and for said County and State, do certify that Barbara J. Six and Ronald D. Six, her husband, whose names are signed to the writing above, bearing date the 1st day of November, 1983, have this day acknowledged the same before me in my said County. Given under my hand this 4th day of January, 1984.

David G Hanlon
NOTARY PUBLIC
My Comm Expires 3/15/92

STATE OF WEST VIRGINIA,
COUNTY OF RITCHIE, to-wit:

I, David Hanlon, a Notary Public in and for said County and State, do certify that Sharon Daugherty and Leonard Daugherty, her husband, whose names are signed to the writing above, bearing date the 1st day of November, 1983, have this day acknowledged the same before me in my said County. Given under my hand this 4th day of January, 1984.

David G Hanlon
NOTARY PUBLIC
My Comm Expires 3/15/92

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

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 P M
Recorded in Lease
Book No. 166 698
Teste: Linda B. Marx
Clerk

STATE OF WEST VIRGINIA

(Form CC No. 3)

Ritchie County Commission Clerk's Office ----- January 4th -----, 19 84---
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. Marx -----, Clerk

04/26/2024