



1) Date: June 1, 1983
 2) Operator's Well No. 4
 3) API Well No. 47 085 6559
 State County Permit

DRILLING CONTRACTOR:

Gene Stalnaker, Inc.
 Glenville, WV

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas _____
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow)
- 5) LOCATION: Elevation: 1059 Watershed: Goose Creek to North Fork Hughes
 District: Grant County: Ritchie Quadrangle: Petroleum
- 6) WELL OPERATOR Chaq Oil Company 11) DESIGNATED AGENT Robert W. Burk
 Address 3030 Maxroy St. Address 415 1/2 Market St.
Houston, Texas 77008 Parkersburg, WV 26101
- 7) OIL & GAS ROYALTY OWNER Carle & Cuthbert Heirs 12) COAL OPERATOR None
 Address Parkersburg, WV Address _____
 Acreage _____
- 8) SURFACE OWNER Same 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address _____ Name Same
 Address _____
 Acreage _____ Name _____
 Address _____
- 9) FIELD SALE (IF MADE) TO:
 Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Samuel N. Hersman
 Address P. O. Box 66
Smithville, WV 26178
- 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Name None
 Address _____
- 15) PROPOSED WORK: Drill / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Marcellus
- 17) Estimated depth of completed well, 5090 feet
- 18) Approximate water strata depths: Fresh, 210, 270 feet; salt, _____ feet.
- 19) Approximate coal seam depths: None Is coal being mined in the area? Yes _____ / No

RECEIVED
 JUN -7 1983
 OIL & GAS DIVISION
 DEPT. OF MINES

20) 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	11 3/4			X		30	30		Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8			X		600	600	500 SKS Cem	Neat Rule 15.05
Production	4 1/2			X			5050	300 SKS Cem	Depths set
Tubing								50-50 Pozmix + RFC	Perforation 0.1
Liners								Req. Rule	Top Bottom

- 21) 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.)
- 22) ROYALTY PROVISIONS
 Is the right to extract, produce or market the oil or gas based upon a lease or other continuing 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.
- 23) Required Copies (See reverse side.)
- 24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: Sela G. Britt
 My Commission Expires 8-3-86

Signed: James W. Finley
 Its: Operator

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-085-6559 Date June 29 1983
08/18/2023

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. 10) 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.)

Permit expires February 29, 1984 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>5</u>	Agent: <u>lp</u>	Plat: <u>DP</u>	Casing: <u>DP</u>	Fee: <u>7840</u>
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[Signature]
 Administrator, Office of Oil and Gas

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
 - (1) A brief description of the tract of land including the district and county wherein the tract is located;
 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
 - (4) A brief description of the royalty provisions of each such lease or contract.
- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, 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 §22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.
- 24) **The above 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 receipt thereof.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ of the coal under the 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.

08/18/2023

Date: _____, 19____

By _____

Its _____



DATE 16 November 1982

WELL NO. Richardson #4

State of West Virginia

API NO. 47 085 6559

Department of Mines

Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME CHAQ OIL CO.
3030 Max Roy Street
Address Houston TX 77008
Telephone 1-713-869-7706

DESIGNATED AGENT Robert W. Burk
Address 415 1/2 Market St. Parkersburg WV
Telephone 422-6559 26101

LANDOWNER _____
Revegetation to be carried out by _____

SOIL CONS. DISTRICT Little Kanawha
Contractor _____ (Agent)

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

5-27-83

(Date)

Jarrett Newton
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Broad Based Dips (A)
Spacing 9% Grade 145 ft.
Page Ref. Manual 2-4

Structure Diversion Ditch (1)
Material Earthen
Page Ref. Manual 2-12

Structure Broad Based Dips (B)
Spacing 6% Grade 165 ft.
Page Ref. Manual 2-4

Structure _____ (2)
Material _____
Page Ref. Manual JUN -7 1983

Structure _____ (C)
Spacing _____
Page Ref. Manual _____

Structure OIL & GAS DIVISION (3)
Material DEPT. OF MINES
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 Two Tons/acre
or correct to pH 6.5
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch 1 1/2 Tons/acre
Seed* Kentucky F # (31) 40 lbs/acre
Redtop 5 lbs/acre
_____ lbs/acre

Treatment Area II

Lime Two Tons/acre
or correct to pH 6.0
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch 1 1/2 Tons/acre
Seed* Kentucky F # (31) 40 lbs/acre
Redtop 5 lbs/acre
_____ lbs/acre

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

08/18/2023

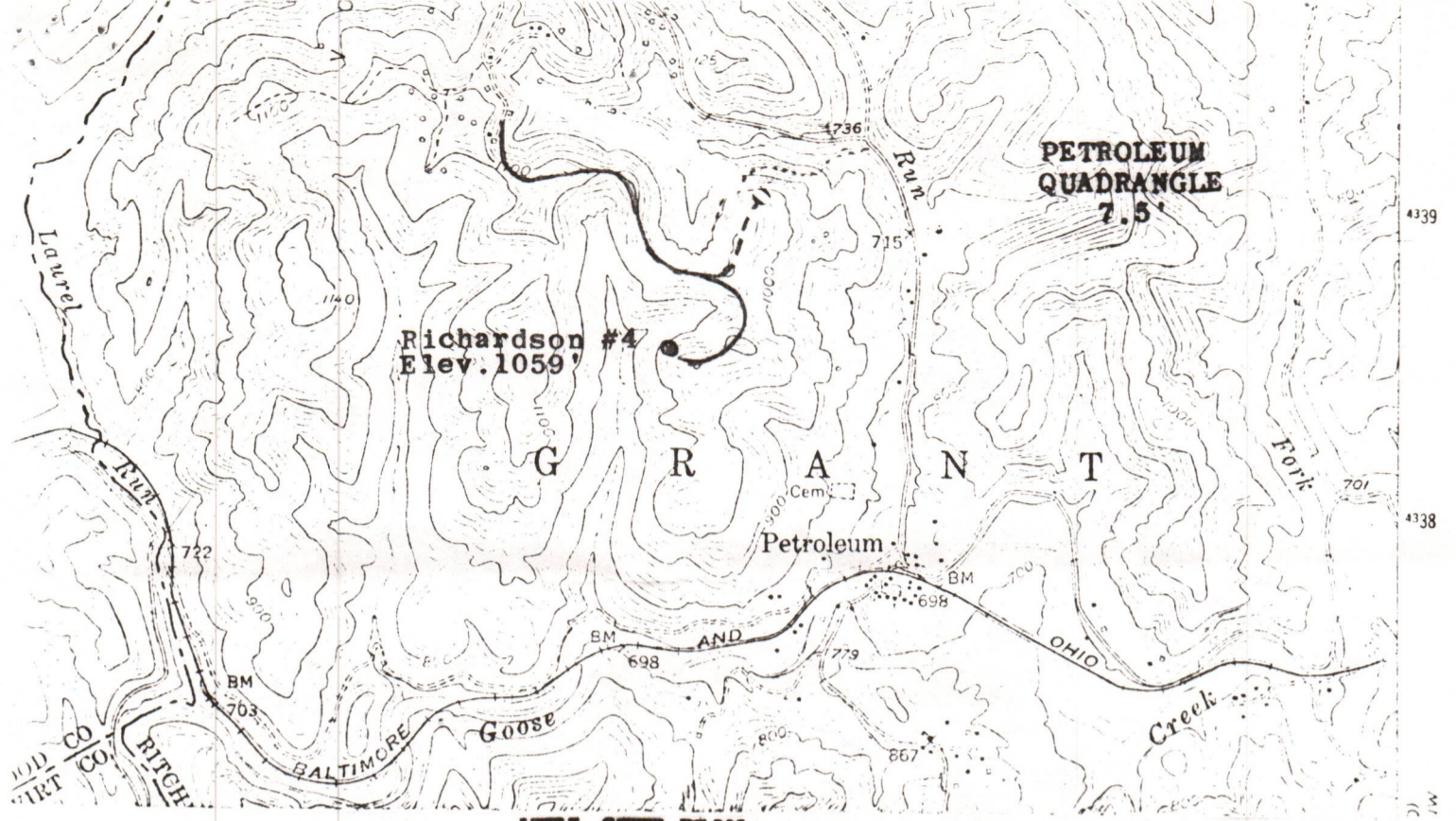
PLAN PREPARED BY David W. Kinney P.E.

ADDRESS 4901 Spruce Rise Road

Parkersburg W.Va. 26101

PHONE NO. (304) 485-8559

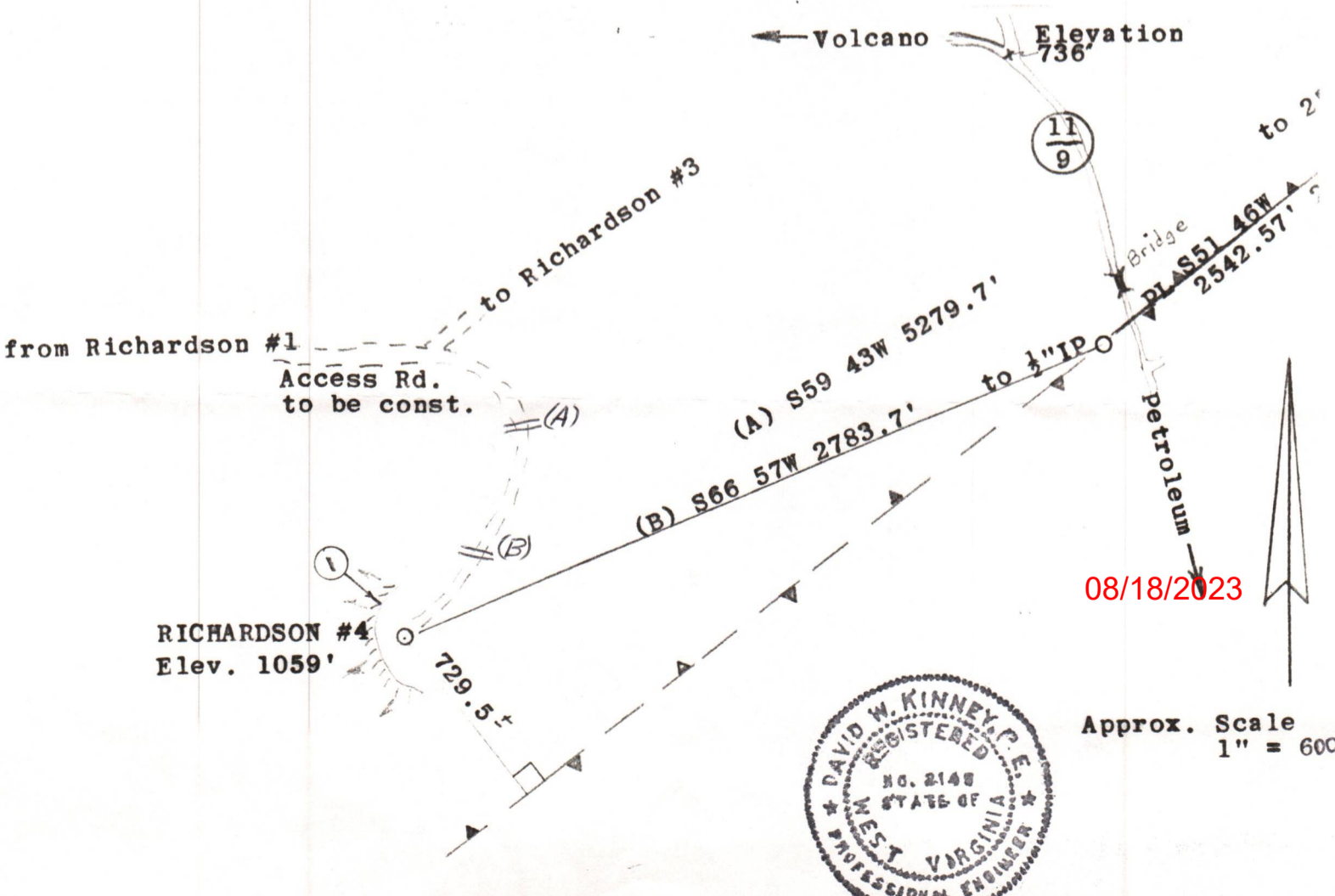
NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.



WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND	
Property boundary	
Road	
Existing fence	
Planned fence	
Stream	
Open ditch	
Diversion	
Spring	
Wet spot	
Building	
Drain pipe	
Waterway	



STATE 7-7
(Reverse)

Date _____, 19__

DUPLICATE ORIGINAL
Bond No: 4488 9075

Operator's Well No. Four
API Well No. 47-085-6559

RECEIVED
JUN 28 1983

STATE OF WEST VIRGINIA

BOND FOR SINGLE OIL OR GAS WELL,
SINGLE LIQUID INJECTION WELL,
OR SINGLE WASTE DISPOSAL WELL

OIL & GAS DIVISION
DEPT. OF MINES

KNOW ALL MEN BY THESE PRESENTS:

That we, AUTOMATION PRODUCTS INC. dba CHAQ OIL COMPANY as Principal and HARTFORD ACCIDENT AND INDEMNITY COMPANY, a corporation with an office and place of business at 1212 Main Street Houston, TX 77002, as Surety, are held and firmly bound, jointly and severally, unto the State of West Virginia, Department of Mines, Oil and Gas Division, as Oblige, in the sum of TWENTY-FIVE HUNDRED AND 00/100 DOLLARS (\$2,500.00), lawful money of the United States of America for the payment of which, the Principal and Surety bind themselves, their personal representatives, successors, heirs and assigns firmly by these presents.

Signed, sealed and dated this 2nd day of December, 1982.

WHEREAS, the above bound Principal in pursuance of the provisions of Chapter 22, Article 4, of the Code of West Virginia, 1931, as amended, and the regulations promulgated thereunder, has made or intends to make application to the Deputy Director for Oil and Gas, Department of Mines, of the State of West Virginia for a permit to drill, redrill, deepen, fracture, stimulate, plug, pressure, convert, combine, physically change, partially plug, case, and/or reclaim a single oil or gas well or liquid injection well or waste disposal well, located on the waters of _____ in Grant District, Ritchie County, West Virginia, assigned by said Department of Mines API Well No. 47-085-6559; and called Richardson #4.

WHEREAS, the Oblige as a condition precedent to the issuance of such Permit has requested the Principal to furnish a SURETY BOND acceptable to the Oblige guaranteeing the performance of said provisions of Chapter 22, Article 4, of the Code of West Virginia, 1931, as amended, and the regulations promulgated thereunder;

NOW, THEREFORE, the condition of this obligation is such that if the Principal, its personal representatives, successors, heirs and assigns shall either (1) in drilling, redrilling, deepening, fracturing, stimulating, plugging, pressuring, converting, combining, physically changing, partially plugging, casing and reclaiming of said well do so in full compliance with all laws and regulations relating to the drilling, redrilling, deepening, fracturing, stimulating, plugging, pressuring, converting, combining, physically changing, partially plugging, casing and reclaiming, and furnish reports, information and affidavits as may be required by the Department of Mines, Oil and Gas Division, and showing that said well has been plugged and abandoned in accordance with Chapter 22, Article 4, of the Code of West Virginia, 1931, as amended, or (2) deposit with the Deputy Director/cash from the sale of the oil or gas or both in the amount of TWENTY-FIVE HUNDRED AND 00/100 DOLLARS (\$2,500.00), then this obligation to be void; otherwise to remain in full force and effect.

BOND CANCELLED
RETURN TO WELL OPERATOR
And/or Principal
9/11/85

IN WITNESS WHEREOF, the Principal has hereto set his hand and the said Surety has caused its corporate name to be hereunto signed by Pamala Harris, its officer or agent thereunto duly authorized, all of which signed, sealed and dated this 2nd day of December, 1982.

Approved as to form this 28
DAY OF June, 1983
CHAUNCEY H. BROWNING
ATTORNEY GENERAL
BY Judith S. Wilson
ASSISTANT ATTORNEY GENERAL

AUTOMATION PRODUCTS INC. dba
CHAQ OIL COMPANY
By [Signature]
Its PRESIDENT

Hartford Accident & Indemnity Company
By Pamala Harris
Attorney in Fact
(POWER OF ATTORNEY TO BE ATTACHED) Pamala Harris

[IF ATTORNEY-IN-FACT IS A NON-RESIDENT]

COUNTERSIGNED BY

Frank J. Boyer, II
MEMBER, ASST., STATE OF WEST VIRGINIA

08/18/2023

● **SENDER:** Complete items 1, 2, and 3.
Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one.)

- Show to whom and date delivered.....\$
- Show to whom, date and address of delivery.....\$
- RESTRICTED DELIVERY
Show to whom and date delivered.....\$
- RESTRICTED DELIVERY.
Show to whom, date, and address of delivery..\$

(CONSULT POSTMASTER FOR FEES)

2. **ARTICLE ADDRESSED TO:**

Automation Products, Inc. dba/
Chaq Oil Co. - 3030 Max Roy St.
Houston, Texas 77008

3. **ARTICLE DESCRIPTION:**

REGISTERED NO.	CERTIFIED NO.	INSURED NO.
	3446	

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE Addressee Authorized agent

4.

DATE OF DELIVERY

POSTMARK

9-16-88

5. **ADDRESS** (Complete only if requested)

6. **UNABLE TO DELIVER BECAUSE:**

CLERK'S
INITIALS


Single Bond (RIT-6559)
UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS

SENDER INSTRUCTIONS

Print your name, address, and ZIP Code in the space below.

- Completes items 1, 2, and 3 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

**RETURN
TO** 

C. Milam

Dept. Energy-Oil & Gas Division

(Name of Sender)

1615 Washington Street, East

(Street or P.O. Box)

Charleston, WVa. 25311

(City, State, and ZIP Code)

PENALTY FOR PRIVATE
USE TO AVOID PAYMENT
OF POSTAGE, \$300



STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS
NOTICE OF EXPIRED PERMIT

9 SEP 85 1:20

RECL. - CHAS.

Permit number: 47- 85-6559
Company: CHAQ OIL CO
Date: 27-Jun-85
Date issued: 6/29/83

County: RITCHIE
Farm: CARLE & CUTHBERT HRS #4
Well no.:
Date expired: / / 0

I have inspected the above wellsite and found no well work done. Please cancel this well work permit.

Signed: Samuel N. Hersman
Date: 9-4-85



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 DIVISION OF OIL AND GAS
 1615 Washington Street, East
 Charleston, West Virginia 25311
 Telephone: 348-3500

ARCH A. MOORE, JR.
 Governor

September 11, 1985

Automation Products Inc. dba/
 Chaq Oil Company
 3030 Max Roy Street
 Houston, Texas 77008

In Re: Permit No: 085-6559
 Farm: Carle & Cuthbert Heirs
 Well No: Richardson #4
 District: Grant
 County: Ritchie
 Issued: 6-29-83

Gentlemen:

The FINAL INSPECTION REPORT for the above captioned well has been received in this office. Only the column checked below applies:

 The well designated by the above captioned permit number has been released under your Blanket Bond.

Please return the enclosed cancelled single bond which covered the well designated by the above permit number to the surety company who executed said bond in your behalf, in order that they may give you credit on their XXXX records.

Your well record was received and reclamation requirements approved. In accordance with Chapter 22B, Article 1, Section 26, the above captioned well will remain under bond coverage for life of the well.

XXXX PERMIT CANCELLED - NEVER DRILLED

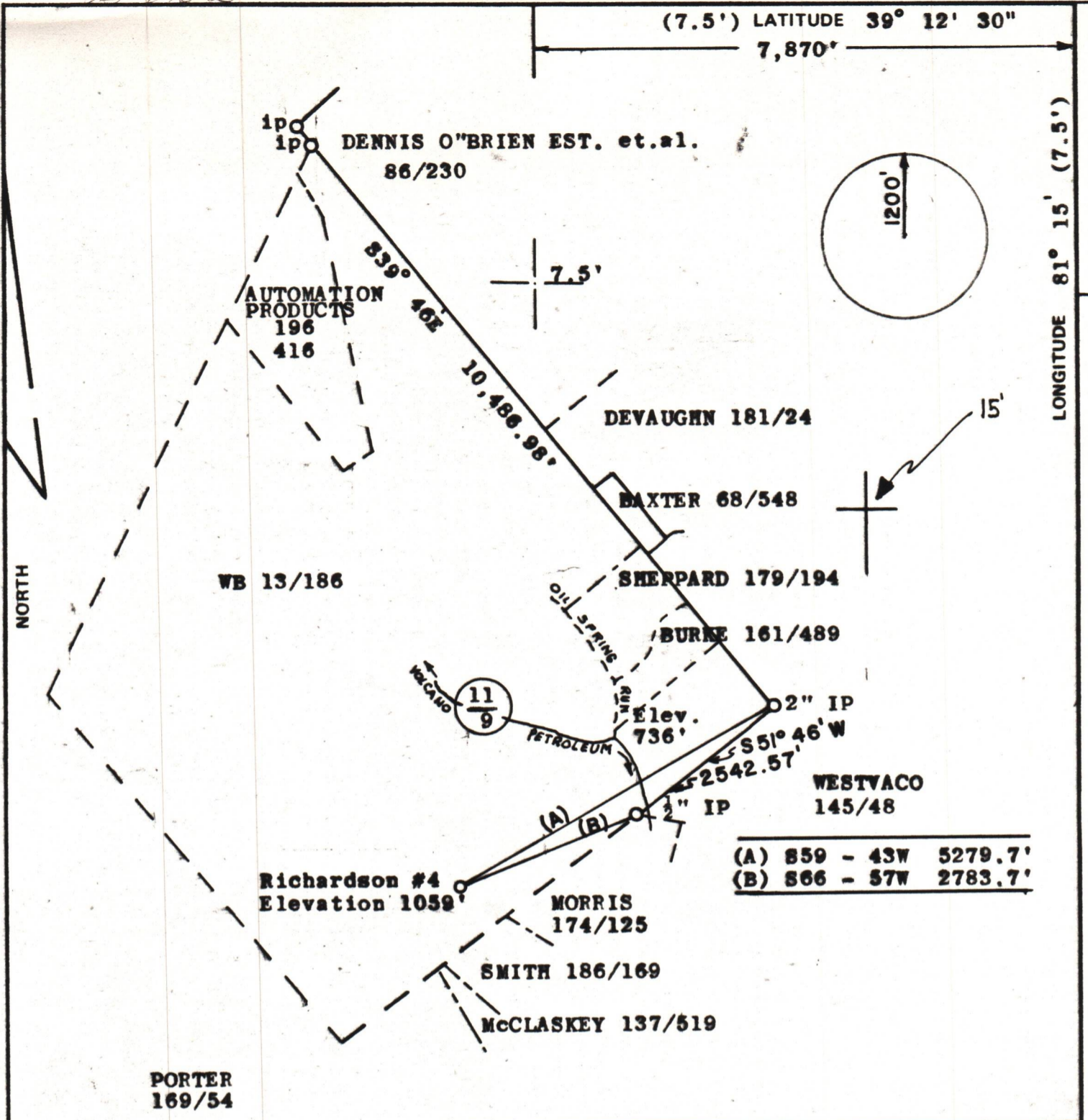
Very truly yours,

Theodore M. Streit

TMS/ chm

Encl: Single Bond dated 12-2-82 (\$2,500.00) Hartford Accident & Indmny Co.

08/18/2023



FILE NO. 82-1116-078
 DRAWING NO. 82-1116-078A
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION ROAD INTERSECT
Elevation 736'

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) David W. Kinney
 R.P.E. 2149 L.L.S.

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE 16 November, 19 82
 OPERATOR'S WELL NO. RICHARDSON
 API WELL NO. #4
47 - 085 - 6559
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1059' WATER SHED GOOSE CREEK to NORTH FORK HUGHES
 DISTRICT GRANT COUNTY RITCHIE
 QUADRANGLE PETROLEUM
 SURFACE OWNER CARLE & CUTHBERT HEIRS ACREAGE 1521.25
 OIL & GAS ROYALTY OWNER SAME AS ABOVE LEASE ACREAGE 1521.25
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 5090'
 WELL OPERATOR CHAQ OIL CO. DESIGNATED AGENT ROBERT W. BURK
 ADDRESS 3030 Max Roy Street ADDRESS 415 1/2 Market St.
Houston Texas 77008 Parkersburg, WV. 26101

RITCHIE 6559