



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
AUG 10 1978
OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

RE

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE August 9, 1978

Surface Owner Susan Brooks

Company Pennzoil Company

Address Frametown, WV 26623

Address P. O. Box 1588, Parkersburg, WV 26101

Mineral Owner Helen Louise Lowther

Farm J. A. White Acres 103

Address 1420 Sattes Circle, Nitro, WV 25143

Location (waters) West Fork of Little Kanawha

Coal Owner NO COMMERCIAL COAL

Well No. 10 Elevation 759.55'

Address _____

District Spencer County Roane

Coal Operator NO COMMERCIAL COAL

Quadrangle Arnoldsburg 7.5'

Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 12-19-78.

INSPECTOR TO BE NOTIFIED Richard Morris

ADDRESS P.O. Box 372, Grantsville, W.Va. 26144

PHONE 354-7259

Robert [Signature]
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated September 12, 1902 by J. A. White, et ux made to Carter Oil Company and recorded on the _____ day of _____ 19____, in _____ County, Book 5 Page 377

NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address of Well Operator

Very truly yours, PENNZOIL COMPANY
(Sign Name) Curtis A. Lucas
Well Operator Curtis A. Lucas,
Civil Eng. Dept.
P. O. Box 1588
Street
Parkersburg,
City or Town
West Virginia 26101
State

09/15/2023

*SECTION 3 . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

ROA-2939 PERMIT NUMBER
47-087



1) Date: November 16, 19 82
 2) Operator's Well No. J. A. White, Well No. 10
 3) API Well No. 47 087 2939 -FRAC
 State County Permit

DRILLING CONTRACTOR:

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: 759.55' Watershed: West Fork of Little Kanawha
 District: Spencer County: Roane Quadrange: Arnoldsburg 7.5'
- 6) WELL OPERATOR Pennzoil Company 11) DESIGNATED AGENT James A. Crews
 Address P. O. Box 1588 Address P. O. Box 1588
Parkersburg, WV 26101 Parkersburg, WV 26101
- 7) OIL & GAS ROYALTY OWNER Helen Louise Lowther 12) COAL OPERATOR No Commercial Coal
 Address 1420 Sattes Circle Address _____
Nitro, WV
- 8) SURFACE OWNER Doyle & Ilona Braden 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address P.O. Box 43 Name _____
Charleston, WV 25305 Address _____
- 9) FIELD SALE (IF MADE) TO:
 Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Homer H. Dougherty Address _____
Linden Route, Box 3A
Looneyville, WV 25259
- 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, Berea
- 17) Estimated depth of completed well, 2353 feet
- 18) Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.
- 19) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No /

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		Kinds	Sizes
Conductor										Kinds
Fresh water										
Coal										Sizes
Intermediate										
Production										Depths set
Tubing										
Liners										Perforations: 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: Joyce M. Beard Signed: Curtis A. Lucas
 My Commission Expires OCTOBER 24, 1989 Its: Supervisor, Surveying & Mapping

OFFICE USE ONLY

Permit number 47-087-2939-FRAC **DRILLING PERMIT** Date December 2 1982
09/15/2023

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 August 2, 1983 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>Blanket</u>	Agent: <u>ok</u>	Plat: <u>M.J.</u>	Casing: <u>M.J.</u>	Fee: <u>vc</u>
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[Signature]
 Administrator, Office of Oil and Gas

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

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, whichever 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.

DRILLING WAIVER

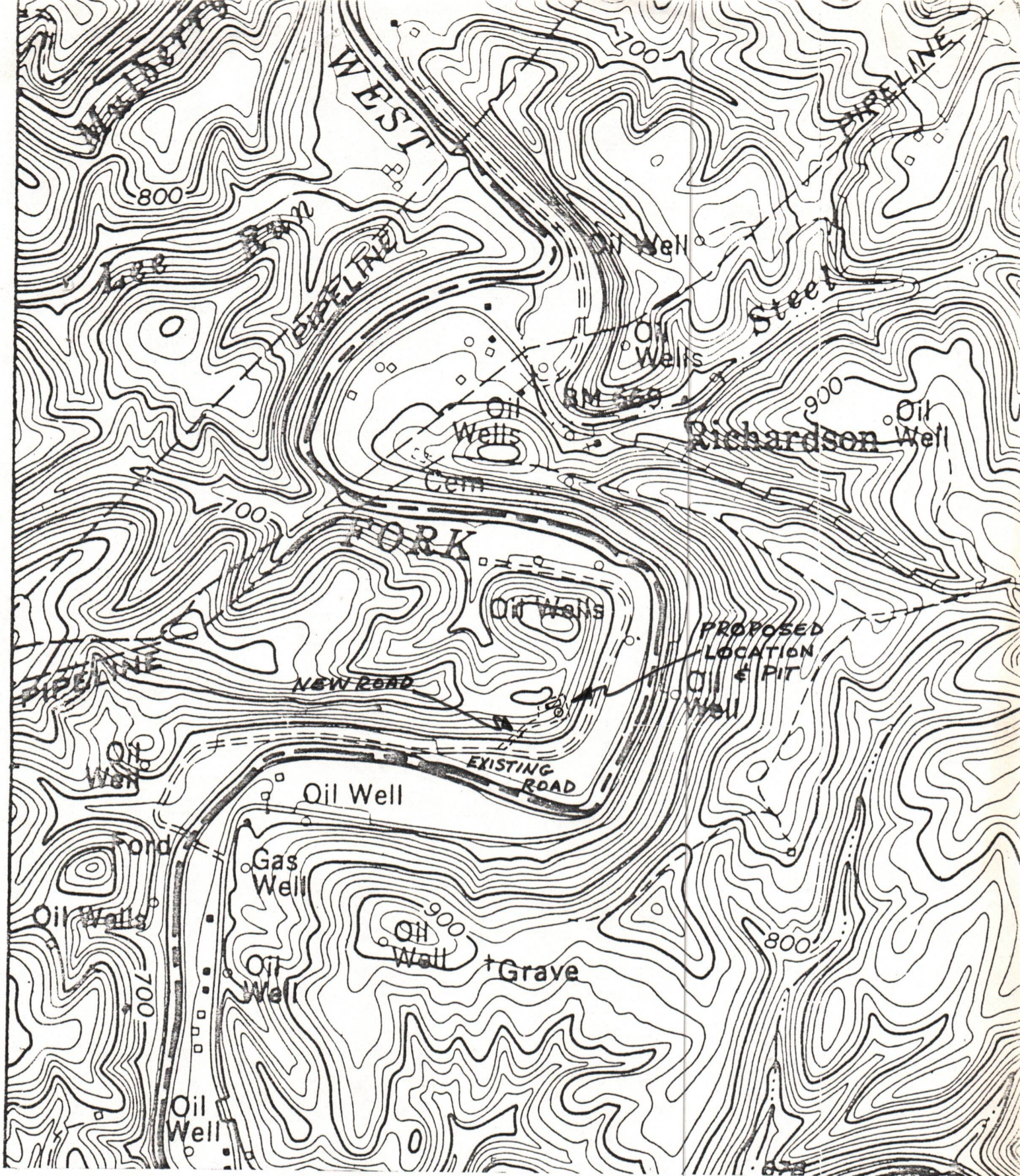
09/15/2023

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19 _____

By _____

Its _____



PENNZOIL COMPANY

MAP 42

FARM J. A. White, No. 10

SQUARES S40 W36

COUNTY Roane - 2939

DISTRICT Spencer

Existing lease road will be used from LSR 12. About 300 feet of new road is to be constructed, and necessary culverts installed. The pit will be solid cut and the location ditched. Upon completion, the location will be graded, pit filled and seeded. All commercial timber will be salvaged.

This plan was observed and agreed upon between the well operator, 09/15/2023 and the District Oil and Gas Inspector, Richard Morris

I certify that all requirements of Chapter 22, Article 4, Section 12b, of the W. Va. Code of 1931, as amended will be carried out.

SIGNED Curtis A. Swan
Civil Engineering Department

DATE August 9, 1978

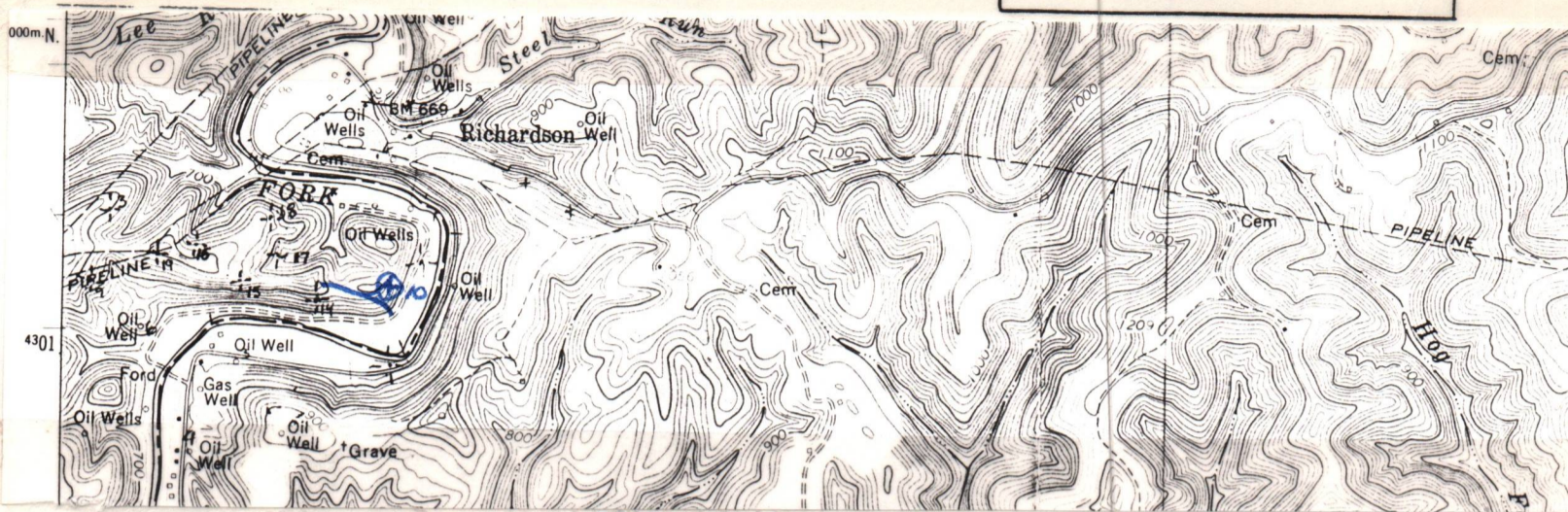
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OIL & GAS DIVISION
DEPT. OF MINES

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

LEGEND	
Well Site	⊕
Access Road	—

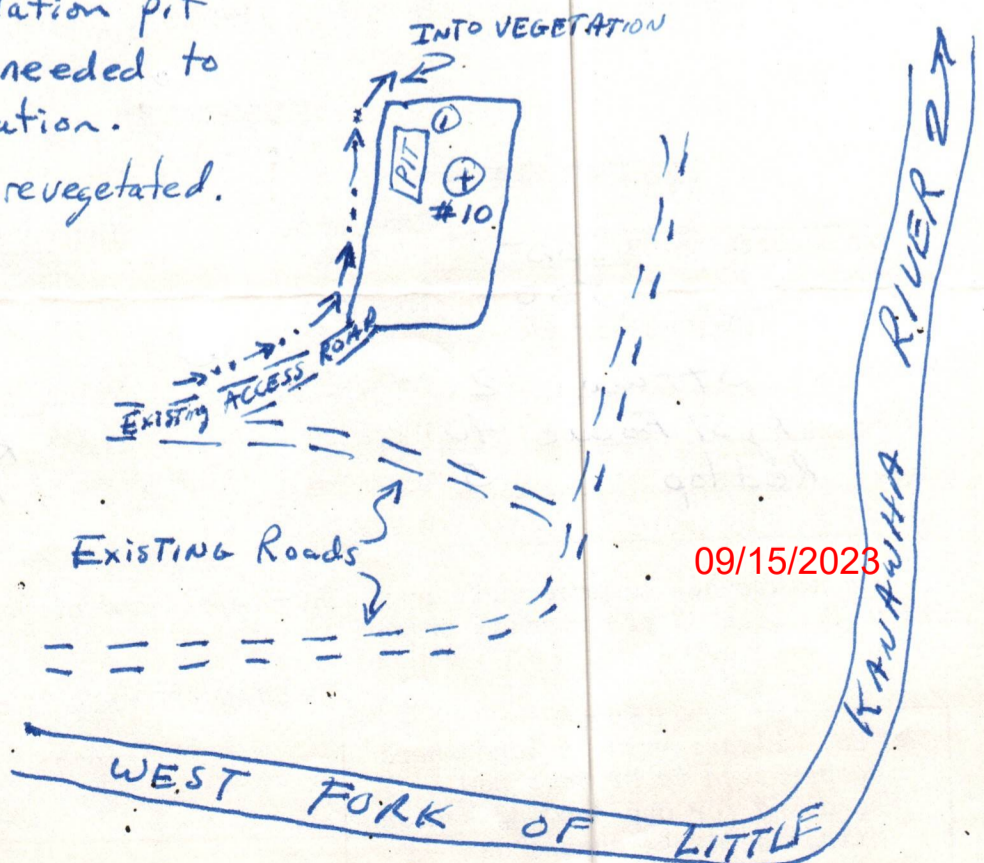


WELL SITE PLAN

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

LEGEND			
Property boundary	— — — — —	Diversion	— — — — —
Road	== == == == ==	Spring	⊕ →
Existing fence	— x — x —	Wet spot	⊕
Planned fence	— / — / —	Building	■
Stream	~ ~ ~ ~ ~	Drain pipe	— ○ — ○ —
Open ditch	— ··· — ··· — ···	Waterway	← — — — — →

Note: This is an existing well and access road. A recirculation pit is the only structure needed to perform fracture operation. All disturbed areas will be revegetated.





IV-9
(Rev 8-81)

DATE Nov. 23 1982
WELL NO. J.A. White #10
API NO. 47-087-2939-F

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME PENNZOIL COMPANY DESIGNATED AGENT JAMES A. CREWS
Address P.O. Box 1588, Parkersburg, WV Address Box 1588, Parkersburg, W.V.
Telephone 422-6565 Telephone 422-6565

LANDOWNER Doyle Brader SOIL CONS. DISTRICT _____
Revegetation to be carried out by Pennzoil Co. Employees (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 11-27-82 (Date)

Jarrett Newton
(SCD Agent)

ACCESS ROAD

Structure Existing Access Road (A)
Spacing (See Sketch)
Page Ref. Manual _____
Structure _____ (B)
Spacing _____
Page Ref. Manual _____
Structure _____ (C)
Spacing _____
Page Ref. Manual _____

LOCATION

Structure Recirculation Pit (1)
Material Earthen
Page Ref. Manual _____
Structure _____ (2)
Material _____
Page Ref. Manual _____
Structure _____ (3)
Material _____
Page Ref. Manual _____

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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 Straw 2 Tons/acre
Seed* Ky 31 Fescue 40 lbs/acre
Redtop 5 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 Straw 2 Tons/acre
Seed* Ky 31 Fescue 40 lbs/acre
Redtop 5 lbs/acre
_____ lbs/acre

09/15/2023

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

PLAN PREPARED BY Curtis A. Lucas

ADDRESS P.O. Box 1588
Parkersburg, W.V.

PHONE NO. 422-6565

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

BR. 152 Pg. 419

LEASE AMENDMENT AGREEMENT

MADE AND ENTERED into this 10th day of August, 1979, by and between

Jessie M. White, widower
hereinafter called "Lessor", and PENNZOIL COMPANY, a corporation, hereinafter called "Lessee".

WHEREAS, it is the desire of the parties hereto to amend and modify a certain lease for oil and gas purposes dated 9-12-1902, and recorded in the Office of the Clerk of the County Court of Roane County, West Virginia, in Book 5, page 377, and all modifications, extensions, supplements and amendments thereto, covering a tract of land containing 103 acres, more or less, situate in Spencer District, Roane County, West Virginia, as more particularly described in said agreement, which tract is hereinafter sometimes referred to as "leased premises".

NOW, THEREFORE, THIS AGREEMENT, WITNESSETH: That for and in consideration of the premises and the sum of One Dollar (\$1.00) to Lessor paid by Lessee, receipt of which is hereby acknowledged, the parties hereto do mutually agree as follows:

- (1) The terms and provisions of said agreement, and all modifications, extensions, supplements and amendments thereto, insofar as said terms and provisions relate to gas well rental or royalty payable for or on account of wells producing gas is hereby amended to provide that the Lessee shall pay Lessor as royalty, on gas produced and saved from the leased premises which is marketed or used off the leased premises, one-eighth (1/8) of the wholesale market value of such gas at the mouth of the well. The term "gas" as used herein shall mean gases and gaseous substances of all kinds, whether hydrocarbon or non-hydrocarbon, including specifically, but not limited to, dry gas, casinghead gas, helium, carbon dioxide and hydrogen sulfide and their constituent parts. The volumetric unit of measurement for said gas shall be one cubic foot of gas at a pressure base of 14.73 pounds per square inch absolute and a temperature base of 60° Fahrenheit.
- (2) If, after discovery of oil, gas or other minerals, the production thereof should cease from any cause, Lessee may, at its election, before or after the expiration of the primary term, pay, as royalty, a sum payable in advance in the same amount and manner as the delay rentals payable under the lease herein modified on or before the anniversary of the rental date (provided that for the fractional part of the beginning year, proportionate royalty payment may be made on the next succeeding payment date) and as long as such payments are made, it shall be considered that oil or gas is being produced from the leased premises; but the lease shall not be held in force for a longer period than five (5) years by such payment in lieu of production of oil or gas.
- (3) Lessee is hereby granted the right, at its option, to combine, pool and unitize the sands, strata and formation under all or any part of the leased premises with other adjacent tracts to form a drilling and producing unit of not more than six hundred forty (640) acres, plus 10% acreage tolerance, on which unit one or more wells may be drilled. If at any time larger units are required under any then applicable law, rule, regulation or order of any governmental authority for the drilling, completion or operation of a well, or for obtaining maximum production, any such unit may be established or enlarged to conform to the size specified. Each unit may be created by governmental authority or by recording in the appropriate county office a Declaration containing a description of the unit so created, specifying the formation and substances so pooled. If said unit well is productive, all royalties payable hereunder shall be prorated in the direct proportion that the acreage of each tract or part thereof which is included in said unit bears to the total acreage in said unit. The commencement of operations for the drilling of a well on said unit shall have the same force and effect in all respects as the commencement of operations for the drilling of a well on the leased premises. Production of oil or gas or their constituents anywhere on said drilling unit shall have the same force and effect as production of oil or gas or their constituents from the leased premises and shall be held to be production from the leased premises.

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DEPT. OF MINES

09/15/2023

(4) This Agreement shall become effective at 7:00 A. M., the day the Richardson Unit No. 1 becomes effective.

(5) Except as herein modified and amended, the agreement of 9-12-1902, and all extensions, supplements and amendments thereto are in full force and effect.

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

_____(SEAL)

Jesse M. White (SEAL)

_____(SEAL)

_____(SEAL)

_____(SEAL)

_____(SEAL)

_____(SEAL)

_____(SEAL)

PENNZOIL COMPANY

By James A. Crews
Attorney in Fact *cuB*

STATE OF West Virginia,

COUNTY OF Jackson, TO-WIT:

I, Raymond M. Bode, a Notary Public in and for the county and state aforesaid, do hereby certify that Jesse M. White

whose name is signed to the writing above bearing date the 10th day of August, 1979, has this day acknowledged the same before me in my said county.

My commission expires: November 11, 1986

Given under my hand ~~and seal~~ this 10th day of August, 1979.

Raymond M. Bode
Notary Public

THIS INSTRUMENT PREPARED FOR PENNZOIL COMPANY

BY Gary A. Carson
P.O. BOX 1588
PARKERSBURG, W. VA. 26101

09/15/2023

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			1560	1666		
Shale			1666	1722		
Sand			1722	1738		
Shale			1738	1750		
Little Lime			1750	1784		
Pencil Cave			1784	1788		
Big Lime			1788	1924		
Big Lime			1924	1936		
Shale			1936	2296		
Coffee Shale			2296	2212		
Berea			2212	2234		
Shale			2234	2380		
Total Depth				2380		
Plug Back Depth				2353		

09/15/2023

Date April 25, 19 79

APPROVED Pennzoil Company Owner

By Curtis A. Luman
(Title)



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD 8

Rotary Oil _____
Cable _____ Gas _____
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle Arnoldsburg 7.5'

Permit No. Roa-2939

Company <u>PENNZOIL COMPANY</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P. O. Box 1588, Parkersburg, WV 26101</u>				
Farm <u>J. A. White</u> Acres <u>103</u>				
Location (waters) <u>West Fork of Little Kanawha</u>				
Well No. <u>10</u> Elev. <u>759.55'</u>	Size			
District <u>Spencer</u> County <u>Roane</u>	<u>20-16</u>			
The surface of tract is owned in fee by _____	Cond.			
<u>Susan Brooks</u>	<u>13-10"</u>			
Address <u>Frametown, WV 26623</u>	<u>9 5/8</u>			
Mineral rights are owned by <u>Helen Louise Lowther</u>	<u>8 5/8</u>	<u>347</u>	<u>347</u>	<u>260 sks.</u>
Address <u>1420 Sattes Circle, Nitro, WV</u>	<u>7</u>			
Drilling Commenced <u>9-30-78</u>	<u>5 1/2</u>			
Drilling Completed <u>10-5-78</u>	<u>4 1/2</u>	<u>2364</u>	<u>2364</u>	<u>50 sks.</u>
Initial open flow <u>1000</u> cu. ft. <u>1</u> bbls.	<u>3</u>			
Final production <u>1000</u> cu. ft. per day <u>1</u> bbls.	<u>2</u>			
Well open _____ hrs. before test _____ RP.	Liners Used			

Well treatment details:

Attach copy of cementing record.

Fractured 10-26-78 w/187BW, 1800# 20/40 sd., 250 Gal. 15% HCL

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Berea Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale			0	82		
Siltstone			82	96		
Shale			96	120		
Siltstone			120	146		
Shale			146	266		
Silt & Sand			266	326		
Shale			326	654		
Sand			654	688		
Shale			688	746		
Siltstone			746	754		
Shale			754	956		
Siltstone			956	964		
Shale			964	1040		
Sand			1040	1054		
Shale			1054	1096		
Silt & Sand			1096	1220		
Sand			1220	1252		
Shale			1252	1284		
Sand			1284	1314		
Shale			1314	1370		
Sand & Silt			1370	1390		
Shale			1390	1432		
Siltstone			1432	1536		
Shale			1536	1560		

09/15/2023

(over)

* Indicates Electric Log tops in the remarks section.



601 GRAND CENTRAL AVENUE • VIENNA, WV 26105 • PHONE (304) 422-6565

Mailing Address: P.O. Box 1588, Parkersburg, West Virginia 26102

September 30, 1983

Mr. Ted Streit, Administrator
Oil and Gas Division
Department of Mines
1613 Washington Street, East
Charleston, WV 25311

RECEIVED
DEC 7 - 1983

OIL & GAS DIVISION
DEPT. OF MINES

Dear Mr. Streit:

FRACTURE RECORD

Well Name and No: J. A. White, Well No. 10

District: Spencer County: Roane

Permit No.: 47-087-2939-Frac Completion Date: 1/19/83

Formation Fractured: Top- Material: Sand- 2200# 20/40
Berea Bottom- Fluid- 212 BGW

Rock Pressure: Test After Fracture:
After Fracture- Oil- 3 BOPD
Gas- 1 Mcf/d

Very truly yours,

PENNZOIL COMPANY

Curtis A. Lucas

Curtis A. Lucas
Civil Engineering Dept.

1jj

09/15/2023

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

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OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. Roa 2939

Oil or Gas Well _____
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	Left in well	PACKERS
<u>Penngait Co</u>	Size			
<u>Parkersburg</u>	16			Kind of Packer _____
<u>J. A. White</u>	13			
<u>10</u>	10			Size of _____
District <u>Spencer</u> County <u>Roane</u>	<u>8 5/8"</u>	<u>357'</u>	<u>357'</u>	
Drilling commenced <u>30 Sept 78</u>	6 3/4			Depth set _____
Drilling completed _____ Total depth _____	5 3/16			
Date shot _____ Depth of shot _____	3			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used _____			Perf. top _____
Volume _____ Cu. Ft.				Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED <u>8 5/8"</u> SIZE <u>357'</u> No. FT. <u>10</u> Date <u>10/1/78</u>			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY <u>Halco 260 sec</u>			
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: presently 1116' on fluid.

2 Oct 78
DATE

[Signature]
507
DISTRICT WELL INSPECTOR
09/15/2023

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

Date: 15 Aug, 1979
Operator's Well No. 10 087
API Well No. 47-013-293
State County Permit

INSPECTOR'S WELL REPORT
ON

PERMITTED WORK EXCEPT PLUGGING AND ABANDONMENT

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas", Production / Underground storage / Deep / Shallow)
LOCATION: Elevation: 759 Watershed: West Fork of S. Kanawha
District: Spencer County: Calhoun Quadrangle: Arnoldsburg

WELL OPERATOR Pennycoil Co DESIGNATED AGENT Curtis Lucas
Address Parkersburg WV Address _____

DRILLING CONTRACTOR _____ SERVICE COMPANIES _____
Address _____

WELL DATA:
Drilling commenced _____, 19____; completed _____, 19____
Total Depth _____ feet
Fracturing / Stimulation on _____, 19____ at a depth of _____ feet
Open Flow: Initial, ____/10ths Water in ____ inches; after tubing, ____/10ths Merc. in ____ inches
Other work commenced _____, 19____; completed _____, 19____
Gas Volume _____ Mcf Oil Volume _____ Bbl.
Rock Pressure _____ psig after _____ hrs.
Fresh water encountered (depths) _____
Salt water encountered (depths) _____
Coal seams encountered (depths) _____

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor								Kinds
Fresh water								
Coal								Sizes
Intermediate								
Production								Depths set
Tubing								
Liners								Perforations:
								Top Bottom

DATES OF INSPECTOR'S PREVIOUS VISITS TO WELL

DATE OF INSPECTOR'S LATEST VISIT TO WELL

INSPECTOR'S AND OTHER REMARKS:

Reclaimed and receded

RECEIVED
AUG 24 1979

OIL & GAS DIVISION
DEPT. OF MINES

09/15/2023

NOTE: This form is used for both a daily inspection record and the inspector's final report after the completion of the permitted work.

R. M. Moran
District Oil and Gas Inspector

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

Date: _____, 19____

Operator's
Well No. _____

API Well No. 47 - _____ -
State County Permit

INSPECTOR'S WELL REPORT
ON
PLUGGING

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

LOCATION: Elevation: _____ Watershed: _____

District: _____ County: _____ Quadrangle: _____

WELL OPERATOR _____

DESIGNATED AGENT _____

Address _____

Address _____

PLUGGING CONTRACTOR _____

SERVICE COMPANIES (NAMES ONLY)

Address _____

PERMITTED WORK: Plug and abandon ___/ Clean out and replug ___/

PLUGGING MATERIALS

Type of Cement	Other Materials	Depth	Thickness

Bridge Plugs Used--Type and Depth

VENT PIPE

MISCELLANEOUS MATERIALS

CASING LOST

TYPE OF RIG:

Owner: Well Op'r ___/ Contractor ___/

Rig time: ___ days plus ___ hours

DATES OF INSPECTOR'S PREVIOUS VISITS TO WELL

DATE OF INSPECTOR'S LATEST VISIT TO WELL

INSPECTOR'S AND OTHER REMARKS:

09/15/2023

NOTE: This form is used for both a daily inspection record and the inspector's final report after the completion of the permitted work.

District Oil and Gas Inspector



State of West Virginia

Department of Mines
Oil and Gas Division

Charleston 25305

September 26, 1979

WALTER N. MILLER
DIRECTOR

ROBERT L. DODD - F
DEPUTY DIRECTOR

Pennzoil Company
P. O. Box 1588
Parkersburg, WV 26101

Dear Sir:

The required records and reports have been received in this office and the District Inspectors have submitted Final Inspections for the following wells listed below:

ROA-2079 - P. A. Tallman - 53 - Smithfield District
ROA-2084 - J. A. White - 9 - Spencer District
ROA-2080 - P. A. Tallman - 54 - Smithfield District
ROA-2939 - F. A. White - 10 - Spencer District

In accordance with Chapter 22, Article 4, Section 2, the bond coverage for above captioned wells will stay in force for life of well. Reclamation requirements have been approved.....

Very truly yours

A handwritten signature in dark ink, appearing to read "Robert L. Dodd", with a stylized flourish at the end.

Robert L. Dodd, Administrator
Office of Oil and Gas

RLD/chm

09/15/2023

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

RECEIVED
NOV 1 - 1985

INSPECTOR'S WELL REPORT

DIVISION OF OIL & GAS
DEPT. OF ENERGY
Oil or Gas Well _____
(KIND)

Permit No. 087-2939 Free.

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

Drillers' Names _____

Remarks: 10-29-85 Inspected reclamation O.K. to release

10-29-85
DATE

Homer H. Dougherty
DISTRICT WELL INSPECTOR
09/15/2023



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

November 7, 1985

ARCH A. MOORE, JR.
 Governor

Pennzoil Company
 Post Office Box 1588
 Parkersburg, West Virginia 26101

In Re: Permit No: 47-087-2939-FRAC
 Farm: J. A. White
 Well NO: #10
 District: Spencer
 County: Roane
 Issued: 12-02-82

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 captioned permit number to the surety company that executed said bond in your behalf, in order that they may give you credit on their records.

XXXX 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.

 PERMIT CANCELLED - NEVER DRILLED

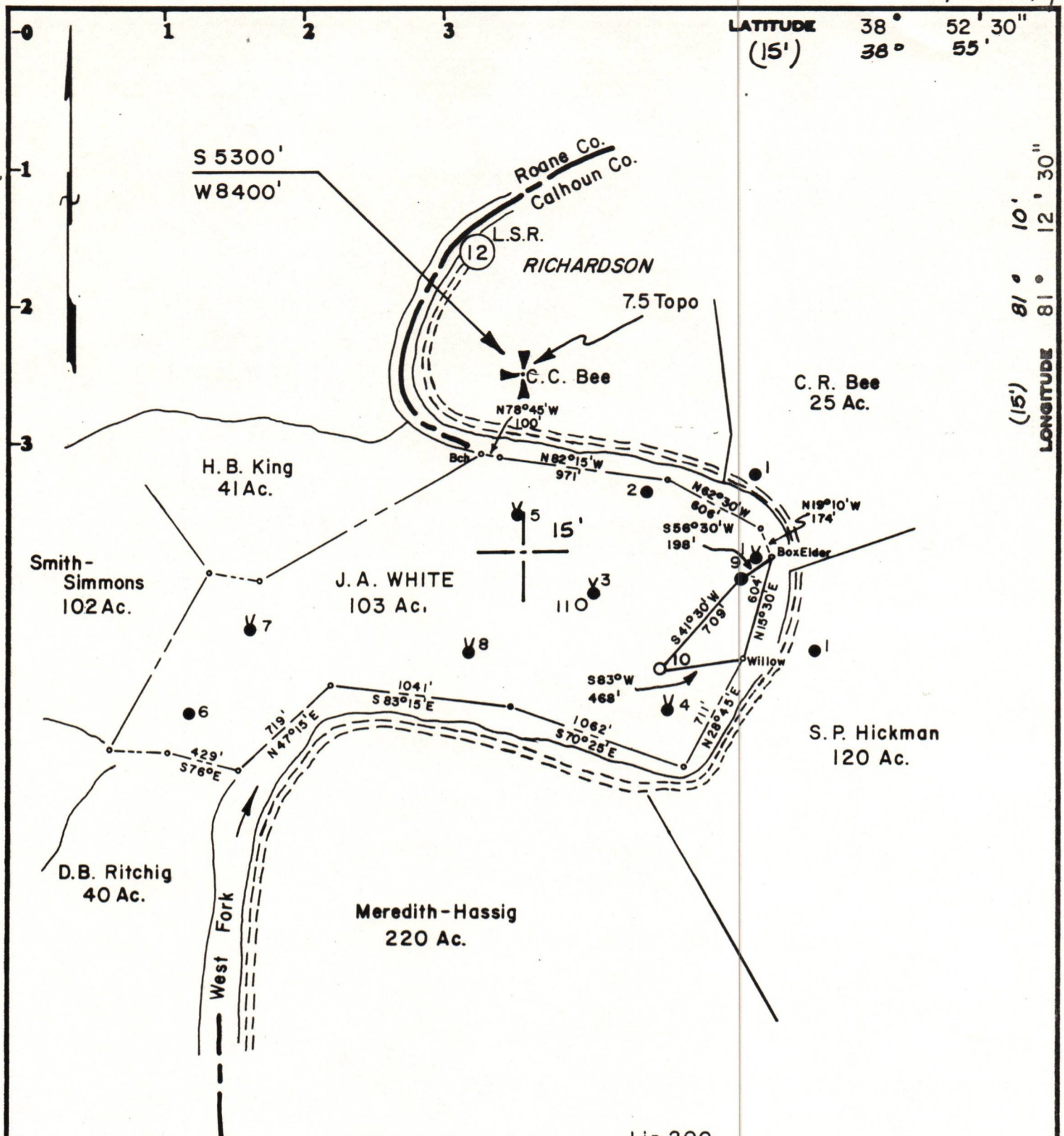
Respectively,

Theodore M. Streit

TMS/ nw

09/15/2023

8/10/78 *RL*



Minimum Error of Closure 1 in 200
 Source of Elevation PENNZOIL Company Records

SURFACE -
 Susan Brooks
 Frametown, W.Va.

Fracture 12/2/82
 New Location
 Drill Deeper
 Abandonment

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: *Curtis A. Lucas*

Map No. 42 Squares: N S 40 E W 36

Company	PENNZOIL COMPANY		
Address	P. O. Box 1588, Parkersburg, W. Va. 26101		
Farm	J. A. WHITE		
Tract	Acres	Lease No.	81222-50
Well (Farm) No.	10	Serial No.	
Elevation (Spirit Level)	759.55		
Quadrangle	ARNOLDSBURG 7.5', 15'		
County	ROANE	District	SPENCER
Surveyor	CURTIS A. LUCAS		
Surveyor's Registration No.	275		
File No.	1661	Drawing No.	
Date	8-9-78	Scale	1" = 800'

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

WELL LOCATION MAP
 FILE NO. ROA-2939 *tra*

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.
 47-087

BRUNING 44-131 27198