



1) Date: January 19, 19 84
 2) Operator's Well No. 3-1934
 3) API Well No. 47 - 083 - 0873
 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: 3280 / Watershed: Hollybush Run
 District: Middle Fork / County: Randolph / Quadrangle: Pickens
- 6) WELL OPERATOR Union Drilling, Inc.
 Address Post Office Drawer 40
Buckhannon, WV 26201
- 7) DESIGNATED AGENT Joseph C. Vanzant
 Address Post Office Drawer 40
Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Phillip Tracy
 Address General Delivery
Ellamore, WV 26267
- 9) DRILLING CONTRACTOR:
 Name Union Drilling, Inc.
 Address Post Office Drawer 40
Buckhannon, WV 26201
- 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, Benson
 12) Estimated depth of completed well, 4200 feet
 13) Approximate trata depths: Fresh, ? feet; salt, ? feet.
 14) Approximate coal seam depths: ? Is coal being mined in the area? Yes / No

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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	11-3/4		32		X	30'	30'		Kinds
Fresh water									Sizes
Coal									
Intermediate	8-5/8		23		X	1000'	1000'	210 sacks	CTS NEAT Depths set
Production	4-1/2	J	10.5	X		4200'	4200'	850 sacks	
Tubing								or as required	Perforations:
Liners									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-083-0873 Date February 8, 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 February 8, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: BLANKET	Agent: <u>LS</u>	Plat: <u>M21</u>	Casing: <u>M21</u>	Fee: <u>013-366</u>
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[Signature]
 Administrator, Office of Oil and Gas

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



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

1) WELL LOCATION: B (If Gas) Production
 2) LOCATION: Elevation: 3280
 3) DISTRICT: Boone County
 4) WELL OPERATOR: Union Drilling, Inc.
 5) ADDRESS: Post Office Box 10, Sutton, WV 26021
 6) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: Kelly J. Holberry, Address: Elkhorn, WV 26039
 7) DRILLING CONTRACTOR: Name: Union Drilling, Inc., Address: Post Office Box 10, Sutton, WV 26021
 8) PROPOSED WELL WORK: Drill: Drill, Depth: 3280, Purpose: New formation
 9) GEOLOGICAL TARGET FORMATION: 1) Estimated depth of completed well: 3280, 2) Approximate true depth: Fresh, 3) Approximate casing depth: Fresh
 10) CASING AND TUBING PROGRAM: 1) Casing or Tubing Type: Conductor, Size: 11-1/2", Weight per ft: 22, 2) Casing or Tubing Type: Fresh water, Size: 8-1/2", Weight per ft: 20, 3) Casing or Tubing Type: Production, Size: 11-1/2", Weight per ft: 22

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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		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason:

Reason:

Blanket	Agent	Plan	Casing	Fee
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08/25/2023

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. 83-873

Oil or Gas Well _____
(KIND)

Company Union Drilling
 Address _____
 Farm J.M. Naber
 Well No. 3-1934
 District Middle Fork County Lawrence
 Drilling commenced _____
 Drilling completed _____ Total depth 850
 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 _____ feet
 Salt water _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4	<u>838</u>	<u>838</u>	<u>300 Sheet</u>
6 3/8			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 _____

Remarks: _____

4-6-84
DATE

Philip Long 08/25/2023
DISTRICT WELL INSPECTOR

FORM NO
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.

DISTRICT _____ 08/25/2023



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

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
July 24, 1984

COMPANY Union Drilling, Inc.
P. O. Drawer 40
Buckhannon, West Virginia 26201

PERMIT NO 083-0873 (2-84)
FARM & WELL NO Coastal Lumber Co. #3-1934
DIST. & COUNTY Middle Fork/Randolph

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 *Phillip May*
DATE 8/10/84

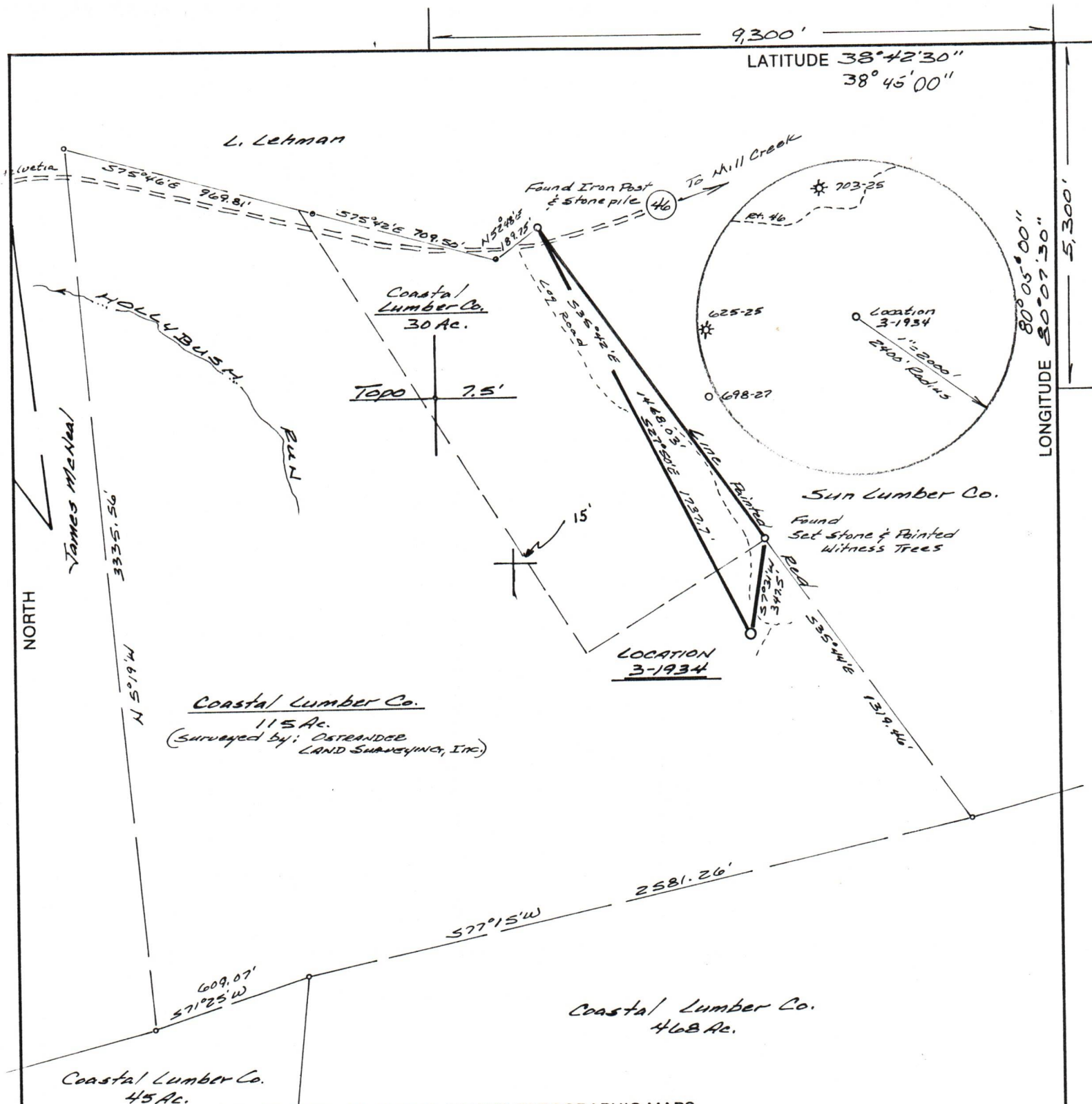
Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. L. ...
Administrator-Oil & Gas Division
October 25, 1984

TMS/chm

DATE

08/25/2023



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

FILE NO. 40.01
 DRAWING NO. 83-14
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 2500
 PROVEN SOURCE OF ELEVATION BM-2918
N.W. of Location.

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) Richard L. Osterlander
 R.P.E. _____ L.L.S. 555
Buckhannon, WV

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE December 14, 19 83
 OPERATOR'S WELL NO. 3-1934
 API WELL NO. _____

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 3280' WATERSHED Hollybush Run
 DISTRICT Middle Fork COUNTY Randolph
 QUADRANGLE Pickens

SURFACE OWNER Coastal Lumber Co. ACREAGE 115
 OIL & GAS ROYALTY OWNER J.M. Huber Corp. LEASE ACREAGE 620
 LEASE NO. 924

08/25/2023

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 Benson ESTIMATED DEPTH 4200'
 WELL OPERATOR Union Drilling, Inc. DESIGNATED AGENT JOSEPH C. VANZANT, JR.
 ADDRESS P.O. Drawer 40 ADDRESS P.O. Drawer 40
Buckhannon, WV 26201 Buckhannon, WV 26201

COUNTY NAME RANDOLPH
 PERMIT 973

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

IV-35
(Rev 8-81)

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State of West Virginia
Department of Mines
Oil and Gas Division

Date June 20, 1984
Operator's Well No. 3 - 1934
Farm J.M.Huber #3
API No. 47 - 083 - 0873

OIL & GAS DIVISION
DEPT. OF MINES

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

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

LOCATION: Elevation: 3280' Watershed Hollybush Run MTB-31-F-3
District: Middle Fork County Randolph Quadrangle Pickens

COMPANY UNION DRILLING, INC.
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201
DESIGNATED AGENT Joseph C. Vanzant, Jr.
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201
SURFACE OWNER Coastal Lumber Co.
ADDRESS Box 8, Dailey, WV 26259
MINERAL RIGHTS OWNER J.M. Huber Corp.
ADDRESS P.O. Box 1319, Maryville, TN 37801
OIL AND GAS INSPECTOR FOR THIS WORK
Phil Tracy ADDRESS Gen. Del. Ellamore, WV 26267
PERMIT ISSUED 2/8/84
DRILLING COMMENCED 4/3/84
DRILLING COMPLETED 4/13/84

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10" ?	20.00'	pulled	
9 5/8			
8 5/8 J	838.80'	838.80	236 cf
7			
5 1/2			
4 1/2 Q	4096.50'	4096.50'	598 cf
3			
2			
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON _____

GEOLOGICAL TARGET FORMATION Benson Depth 4200' feet
Depth of completed well 4351' feet Rotary X / Cable Tools _____
Water strata depth: Fresh 125', 250' feet; Salt _____ feet
Coal seam depths: 199/202 ^{1790'} Is coal being mined in the area? no

OPEN FLOW DATA
Producing formation Injun, 5th Sand, Riley, Benson ^{365 422 434 435} pay zone depth 3976' feet
Gas: Initial open flow show ^{Bayard} Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 2144 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 2 hours
Static rock pressure 375 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth 08/25/2023 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.

Dowell - 4 stage Foam Frac - 6/7/84
 1750/54 - Injun - 45,000# sand, 180 Bbls water and 426,000 scf nitrogen
 2272 - 5th sand - 45,000# sand, 180 Bbls water and 398,000 scf nitrogen
 2380 - Bayard
 3665/78 - Riley - 26,000# sand, 89 Bbls water and 110,000 scf nitrogen
 3972/76 - Benson - 45,000# sand, 180 Bbls water and 418,000 scf 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
		Sand & Shale	0	199	1/4" stream water @125'
		Coal	199	202	1/4" stream water @250'
		Sand & Shale	202	1531	
345		Big Lime	1531	1635	
365		Injun	1739	1759	
422		5th Sand	2240	2282	
423		Bayard	2367	2409	
434		Riley	3657	3688	
435		Benson	3962	3985	
				4351	T.D. gas show

(Attach separate sheets as necessary)

UNION DRILLING, INC.

Well Operator

By: Joseph C. Pettey 08/25/2023
 Date: Joseph C. Pettey, Vice President of Production
 6/22/84

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."