



1) Date: January 4, 1983
 2) Operator's Well No. 72 (Beall #1)
 3) API Well No. 47 085 6153
 State WV County Putnam Permit 1083

DRILLING CONTRACTOR:

Union Drilling
Buckhannon, WV

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil X / Gas X /
 B (If "Gas", Production B. Shale / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 1142 Watershed: Leather Bark
 District: Murphy County: Ritchie Quadrangle: Burnt House 7.5'
- 6) WELL OPERATOR Interstate Drilling, Inc. 11) DESIGNATED AGENT H.V. Jarrell
 Address Rt. 2, Box 213 Address Rt. 2, Box 17
Weston, WV 26452 Roanoke, WV 26423
- 7) OIL & GAS ROYALTY OWNER Gertrude H. Beall, etal 12) COAL OPERATOR None in area
 Address Smithville, WV Address _____
 Acreage 8.5 acres
- 8) SURFACE OWNER W. Va. Pulp & Paper Co. 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address Parkersburg, WV Name _____
 Acreage 8.5 acres Address _____
 Name _____
 Address _____
- 9) FIELD SALE (IF MADE) TO:
 Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Name Sam Hersman Name _____
 Address Smithville, WV Address _____
477-3597
- 15) PROPOSED WORK: Drill X / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Riley
- 17) Estimated depth of completed well, 4,500 feet
- 18) Approximate water strata depths: Fresh, 70 feet; salt, _____ feet.
- 19) Approximate coal seam depths: No known coal 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										
Fresh water	<u>8 5/8</u>			<u>X</u>		<u>X</u>	<u>500</u>	<u>to surf.</u>		
Coal									Sizes	
Intermediate										
Production	<u>4 1/2</u>		<u>10.5</u>	<u>X</u>		<u>4,500</u>	<u>4,500</u>	<u>250 sks.</u>		Depths set
Tubing										Perforations:
Liners										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: _____ Signed: H.V. Jarrell
 My Commission Expires _____ Its: Secretary/Treasurer

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-085-6153 Date January 10 1983
04/26/2024

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 September 10, 1983 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: Blanket Agent: OK Plat: [Signature] Casing: [Signature] Fee: 107
 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, 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

04/26/2024

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 _____



DATE December 16, 1982

IV-9
(Rev 8-81)

WELL NO. 1 (one)

State of West Virginia

API NO. 47-085-6153

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME INTERSTATE DRILLING, INC. DESIGNATED AGENT SAME

Address Rt. 2, Box 213, Weston, WV 26452 Address _____

Telephone (304) 269-6441 Telephone _____

LANDOWNER Westvaco SOIL CONS. DISTRICT Little Kanawha

Revegetation to be carried out by Interstate Drilling, Inc. (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 1-3-83

(Date)

Garrett Newlon
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Culverts 12" Min. I. D. (A) Structure _____ (1)

Spacing 300' Maximun Material _____

Page Ref. Manual I-8 Page Ref. Manual _____

Structure Drainage Ditch (B) Structure _____ (2)

Spacing rip rap required at all ditch outlets Material see comment

Page Ref. Manual I-11 Page Ref. Manual _____

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 Estimated 3 Tons/acre

Lime Estimated 3 Tons/acre or correct to pH 6.5

Fertilizer (10-20-20 or equivalent)

Fertilizer 600 lbs/acre (10-20-20 or equivalent)

Mulch Hay 2 Tons/acre

Mulch Hay 2 Tons/acre

Seed* Kentucky 31 40 lbs/acre

Seed* Kentucky 31 40 lbs/acre

Birdstoot Trefoil 10 lbs/acre

Birdstoot Trefoil 10 lbs/acre

Ryegrass 10 lbs/acre

Ryegrass 10 lbs/acre

*Inoculate all legumes with the proper rhizobium and clovers with the proper rhizobium. Inoculate with 3X recommended amount.

PLAN PREPARED BY Bob Davis

NOTES: Please request landowner cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comment.

ADDRESS _____

PHONE NO. _____

15. This lease embodies the entire contract and agreement between Lessor and Lessee, and no warranties, representations, promises or inducements not herein expressed have been made or relied upon by either party. The terms, conditions and stipulations hereof shall extend to the respective heirs, executors, administrators, successors and assigns of the parties hereto.

A 1/32 interest in all production from this lease is hereby assigned to James M. Beall as Commissioner on same
Witness the hands and seals of the parties hereto the day and year first above written.

WITNESS:

H. Beall (SEAL)
Freida M. Beathy (SEAL)
James M. Beall (SEAL)
Eileen Beall (SEAL)
(SEAL)
(SEAL)
(SEAL)
(SEAL)

WEST VIRGINIA ACKNOWLEDGMENT

STATE OF WEST VIRGINIA
COUNTY OF Ritchie

To-wit:

I, Kathleen N. Keith, a Notary Public of said County, do hereby certify that Gertrude Beall

whose name she signed to the within writing bearing date the 20th day of Aug., 1981
has S this day acknowledged the same before me in my said County.

Given under my hand this 21st day of Aug., 1981
Kathleen N. Keith
Notary Public

My Commission expires 15th day of Jan. 1989

WEST VIRGINIA ACKNOWLEDGMENT

STATE OF ~~WEST VIRGINIA~~ Florida
COUNTY OF Pinellas

To-wit:

I, Patricia E. Rabbs, a Notary Public of said County, do hereby certify that Freida M. Beathy, C.H. Beathy & Eileen Beall

whose name they signed to the within writing bearing date the 20th day of August, 1981
has S this day acknowledged the same before me in my said County.

Given under my hand this 21st day of October, 1981
Patricia E. Rabbs
Notary Public

Notary Public, State of Florida
My Commission Expires June 29, 1985

My Commission expires _____

OHIO ACKNOWLEDGMENT

STATE OF OHIO,
COUNTY OF _____

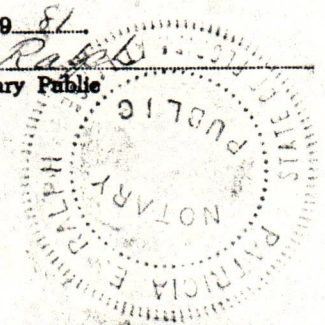
SS.

Before me, a Notary Public in and for said county, personally appeared the above named _____

_____ who acknowledged that he did sign the foregoing instrument, and that the same is _____ free act and deed. In testimony whereof I have hereunto subscribed my name at _____, this _____ day of _____, 19____.

My Commission expires _____

Notary Public



filed and admitted to record in the office of the Clerk of the County Commission of Ritchie County, W. Va.

NOV 29 1982

11:00 o'clock A M

by hebbe

Book No. 150 Page 740

Testes: Freida B. Maye hc
Clerk

RECORDING DATA:

Term _____
County _____ State _____
Location _____
Acres _____
Date _____, 19____

TO

04/26/2024

Oil and Gas Lease

INTERSTATE DRILLING, INC.,
Route #2 Box 213
Weston, WV 26452

125

125

RECEIVED 04/26/2024
MAY 7 1983
OIL & GAS DIVISION
DEPT. OF MINES

RECEIVED

JAN 25 1984



IV-35 (Rev 8-81)

OIL & GAS DIVISION DEPT. OF MINES

Date February 3, 1983 Operator's Well No.

State of West Virginia

Department of Mines Oil and Gas Division

Farm Beall API No. 47 - 085 - 6153

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)

LOCATION: Elevation: 1142 Watershed Leather Bark District: Murphy County Ritchie Quadrangle Burnt House 7.5'

COMPANY Interstate Drilling, Inc. ADDRESS Rt. 2, Box 213 Weston, WV DESIGNATED AGENT H.V. Jarrell ADDRESS Rt. 2, Box 17A, Roanoke, WV SURFACE OWNER West Va. Co. ADDRESS Parkersburg, WV MINERAL RIGHTS OWNER Beall Heirs ADDRESS Smithville, WV OIL AND GAS INSPECTOR FOR THIS WORK Sam Hersman ADDRESS Smithville, WV PERMIT ISSUED 1-4-83 DRILLING COMMENCED 1-17-83 DRILLING COMPLETED 1-20-83

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16 Cond., 13-10", 9 5/8, 8 5/8 (504' used), 7, 5 1/2, 4 1/2 (4,550' used), 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION B. Shale Depth 4,450 feet Depth of completed well 4,600 feet Rotary X / Cable Tools Water strata depth: Fresh 90 feet; Salt feet Coal seam depths: 442 Is coal being mined in the area? No

OPEN FLOW DATA Producing formation Bradford Pay zone depth 4,450 feet Gas: Initial open flow 60 Mcf/d Oil: Initial open flow 0 Bbl/d Final open flow 935 Mcf/d Oil: Final open flow Bbl/d Time of open flow between initial and final tests 4 hours Static rock pressure 1220 psig (surface measurement) after 4 hours shut in (If applicable due to multiple completion--)

Second producing formation Balltown Pay zone depth 94750/2024 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)

RTT 6153

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

FIRST STAGE: Perforated 25 holes .39" 3928'-4475', 15,000# 80/100, 487 Bbls. fluid-foam fracture, 30,000# 20/40 sand

SECOND STAGE: Perforated 20 holes .41" 3527'-3900', 15,000# 80/100, 30,000# 20/40, 480 Bbls. fluid

THIRD STAGE: Perforated 26 holes .41" 3038'-4331', 15,000# 80/100, 30,000# 20/40, 472 Bbls. fluid

By Halliburton

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Red Rock Sand & Shale			0	442	
Coal			442	447	
Shale, Sand & Red Rock			447	543	
Sand, Shale, Red Rock			543	1,233	
Shale and Red Rock			1,233	1,732	
Little Lime			1,951	1,965	
Big Lime			1,984	2,040	
Injun			2,040	2,123	Gas: 2,076 4/10; H ₂ O 1 1/4"
Shale and Sand			2,169	2,357	
Gantz			2,257	2,397	Gas: 2,384 1/10; H ₂ O 1"
Shale and Sand			2,357	2,677	
Sand and Shale			2,677	3,086	Gas: 3,453 2/10; H ₂ O 1/4"
Sand and Shale			3,086	3,981	
Sand and Shale			3,581	4,600	T.D.

(Attach separate sheets as necessary)

Interstate Drilling, Inc.
Well Operator

By: G. W. Jarrell
Date: February 15, 1983

04/26/2024

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

JAN 24 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-6153

Oil or Gas Well _____
(KIND)

Company <u>Interstate Drilling</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>WVa Pulp + Paper Co.</u>	16			Kind of Packer _____
Well No. <u>72</u>	13			
District <u>Murphy</u> County <u>Ritchie</u>	10			Size of _____
Drilling commenced <u>1-16-83</u>	8 1/4			
Drilling completed _____ Total depth _____	6 3/8			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 Dary Reed - Harold Smith - Steve R. Dawson

Union Drilling Rig #5

Remarks:
Ran 504' foot of 8 5/8 casing
Halliburton ran 140 sacks cement
Plug Down at 8:50 A.M.
Good circulation of cement — C.T.S.

1-17-83
DATE

Samuel N. Hersman
DISTRICT WELL INSPECTOR

04/26/2024



RECEIVED
OCT 1 0 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
February 23, 1984

COMPANY Interstate Drilling, Inc.
Route 2, Box 213
Weston, West Virginia 26452

PERMIT NO 085-6153
FARM & WELL NO Beall #72-1
DIST. & COUNTY Murphy/Ritchie

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work		
25.04	Prepared before Drilling to Prevent Waste		
25.03	High-Pressure Drilling		
16.01	Required Permits at Wellsite		
15.03	Adequate Fresh Water Casing		
15.02	Adequate Coal Casing		
15.01	Adequate Production Casing		
15.04	Adequate Cement Strength		
15.05	Cement Type		
23.02	Maintained Access Roads		
25.01	Necessary Equipment to Prevent Waste		
23.04	Reclaimed Drilling Pits		
23.05	No Surface or Underground Pollution		
23.07	Requirements for Production & Gathering Pipelines		
16.01	Well Records on Site		
16.02	Well Records Filed		
7.05	Identification Markings		

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

SIGNED Mike Underwood
DATE 10-2-84

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
January 3, 1985

DATE

04/26/2024

<p>1.0 API well number: (If not available, leave blank. 14 digits.)</p>	<p style="text-align: right;">47-085-6153</p>						
<p>2.0 Type of determination being sought: (Use the codes found on the front of this form.)</p>	<p style="text-align: center;"><u>109</u> Section of NGPA</p>		<p style="text-align: right;">Category Code <u>0012</u> 1983</p>				
<p>3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)</p>	<p style="text-align: right;">4,600 feet</p>						
<p>4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)</p>	<p><u>INTERSTATE DRILLING, INC.</u> Name <u>Rt. 2, Box 213</u> Street <u>Weston</u> City</p>		<p style="text-align: center;"><u>WV</u> State</p>	<p style="text-align: center;"><u>26452</u> Zip Code</p>			
<p>5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)</p>	<p><u>Lynn Camp Run</u> Field Name <u>Ritchie</u> County</p>						
<p>(b) For OCS wells:</p>	<p>Area Name _____ Block Number _____</p> <p style="text-align: center;">Date of Lease: Mo. Day Yr. _____</p> <p style="text-align: right;">OCS Lease Number _____</p>						
<p>(c) Name and identification number of this well: (35 letters and digits maximum.)</p>	<p><u>Beall #1</u></p>						
<p>(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)</p>	<p>_____</p>						
<p>6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)</p>	<p><u>Consolidated Gas Supply Corp.</u> Name</p>		<p style="text-align: right;"><u>004228</u> Buyer Code</p>				
<p>(b) Date of the contract:</p>	<p>NOT TENDERED AS OF <u>8-4-83</u> Mo. Day Yr.</p>						
<p>(c) Estimated annual production:</p>	<p style="text-align: right;">12 MMcf.</p>						
<p>7.0 Contract price: (As of filing date. Complete to 3 decimal places.)</p>	<p>(a) Base Price (\$/MMBTU) -----</p>	<p>(b) Tax -----</p>	<p>(c) All Other Prices [Indicate (+) or (-).] -----</p>	<p>(d) Total of (a), (b) and (c) -----</p>			
<p>8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)</p>	<p>5.584 XXXXXXXX</p>	<p>-----</p>	<p>-----</p>	<p>-----</p>			
<p>9.0 Person responsible for this application:</p>	<p><u>H.V. Jarrell</u> Name <i>H.V. Jarrell</i> Signature <u>August 4, 1983</u> Date Application is Completed</p>						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Agency Use Only</td> </tr> <tr> <td style="text-align: center;">Date Received by Juris. Agency <u>0012</u> 1983</td> </tr> <tr> <td style="text-align: center;">Date Received by FERC</td> </tr> </table>	Agency Use Only	Date Received by Juris. Agency <u>0012</u> 1983	Date Received by FERC	<p style="text-align: right;"><u>Secretary-Treasurer</u> Title <u>304/269-6441</u> Phone Number</p>			
Agency Use Only							
Date Received by Juris. Agency <u>0012</u> 1983							
Date Received by FERC							

JAN 3 1984

PARTICIPANTS:

DATE:

WELL OPERATOR: Interstate Drilling, Inc.

FIRST PURCHASER: Consolidated Gas Supply Corp.

OTHER:

BUYER-SELLER CODE

023090

004228

Dev.

W. Va. Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER

831012-107-085-6153

Use Above File Number on all Communications
Relating to Determination of this Well

APPROVED

JAN 23 1984

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 Items not completed - Line No. 70 All 80 b,c,d
- 2. IV-1 Agent H. V. Jarrell
- 3. IV-2 Well Permit
- 4. IV-6 Well Plat
- 5. IV-35 Well Record Drilling Deepening
- 6. IV-36 Gas-Oil Test: Gas Only Was Oil Produced? Ratio
- 7. IV-39 Annual Production years
- 8. IV-40 90 day Production Days off line:
- 9. IV-48 Application for certification. Complete?
- 10-17. IV Form 51 - 52 - 53 - 54 - (55) - 56 - 57 - 58 Complete? Affidavit Signed
- 18-28. Other: Survey Logs Geological Charts
Structure Map 1: 4000 Map Well Tabulations
Gas Analyses
- (5) Date commenced: 1-17-83 Date completed 1-20-83 Deepened
- (5) Production Depth: 4450 3750
- (5) Production Formation: Bradford Baltown
- (5) Final Open Flow: 935 MCF
- (5) After Frac. R. P. 1220 # 4 hrs
- (6) Other Gas Test:
- (7) Avg. Daily Gas from Annual Production:
- (8) Avg. Daily Gas from 90-day ending w/1-120 days
- (8) Line Pressure:
- (5) Oil Production: From Completion Report PSIG from Daily Rep
- 0-17. Does lease inventory indicate enhanced recovery being done No
- 0-17. Is affidavit signed? Notarized?
- Does official well record with the Department confirm the submitted information? yes
- Additional information Does computer program confirm? yes
- Determination Objected to By Whom? JB

04/26/2024

JB

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

Date August 4 19 83

Operator's Well No. 72
API Well No. 47 - 085 - 6153
State County Permit

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No. _____
(If Applicable)

WELL OPERATOR INTERSTATE DRILLING, INC.

DESIGNATED AGENT H.V. JARRELL

ADDRESS Rt. 2, Box 213
Weston, WV 26452

ADDRESS Rt. 2, Box 17
Roanoke, WV 26423

Gas Purchase Contract No. "NOT COMMITTED" and Date _____
(Month, day and year)

Meter Chart Code _____

Name of First Purchaser Consolidated Gas Supply Corp.

445 W. Main St.
(Street or P. O. Box)
Clarksburg WV 26301
(City) (State) (Zip Code)

FERC Seller Code 023090

FERC Buyer Code 004228

TYPE OF DETERMINATION BEING SOUGHT:

- (1) Initial determination (See FERC Form 121.) Section of NGPA 103 Category Code _____
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

H.V. Jarrell Secretary-Treasurer
Name (Print) Title

[Signature]
Signature

Rt. 2, Box 17
Street or P. O. Box

Roanoke, WV 26423
City State (Zip Code)

(304) 452-8092
Area Code Phone Number

(Certificate of Proof of Service to Purchaser)

(All of the above to be completed by the Operator/Applicant)

(To be completed by Jurisdictional Agency. Executed copy to be returned to Operator/Applicant and purchaser, if known).

The Department of Mines has received a request for certification of the above described well as meeting the requirements of Section _____ under the Natural Gas Policy Act of 1975 (NGPA). or for determination that increased production is the result of enhanced recovery technology under Section 108 of (NGPA); or for determination of a seasonally affected well under Section 108 of (NGPA).

All interested parties are hereby notified that on the _____ day of _____, 19____, at the office of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as it may be heard, there will be a public hearing, if requested, or if objection is filed.

This Application is assigned File No. _____

Initial review of information submitted indicates the well is, is not entitled to certification as claimed under the Natural Gas Policy Act (NGPA). A review of this evidence and any additional evidence will be made at the time appointed for a public hearing or as soon thereafter as the matter may be heard.

Unless objections are timely filed or a request for a hearing is made within fifteen (15) days, a hearing will not be held except on ex parte motion of the department and the matter will go to determination.

WEST VIRGINIA DEPARTMENT OF MINES

OCT 12 1983

[Signature] Director
Title

Date received by
Jurisdictional Agency

04/26/2024

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES OIL AND GAS DIVISION

Date August 4, 1982

Operator's Well No. Beall #1

API Well No.

47 - 085 - 6153
State County Permit

WELL CLASSIFICATION FORM
HIGH COST GAS WELL - DEVONIAN SHALE
NGPA Section 107

DESIGNATED AGENT H.V. Jarrell
ADDRESS Rt. 2, Box 17
Roanoke, WV 26423

LOCATION Elevation 1142
Watershed Leather Bark
Dist. Murphy County Ritchie Quad. 7.5

WELL OPERATOR INTERSTATE DRILLING, INC.
ADDRESS Rt. 2, Box 213
Weston, WV 26452

GAS PURCHASER Consolidated Gas Supply Corp.
ADDRESS 445 W. Main St.
Clarksburg, WV 26301

Gas Purchase Contract No. "NOT COMMITTED"
Meter Chart Code
Date of Contract

* * * * *

Date surface drilling began: 1-17-83

Indicate the bottom hole pressure of the well and explain how this was calculated.

$$BHP = \left(\frac{C \times L}{53.34 \times T} \right) - 1 \quad P_L + P_L$$

BHP = 1366.92

AFFIDAVIT

I, H.V. Jarrell, having been first sworn according to law, state that I have calculated the percentage of footage of the producing interval which is not Devonian Shale as indicated by a Gamma Ray index of less than 0.7 if a Gamma Ray log described in subparagraph (3)(i) or (3)(ii)(A) has been filed, or as indicated by the report described in subparagraph (3)(ii)(B); I have demonstrated that the percentage of potentially disqualifying non-shale footage is equal to or less than five (5) percent of the gross Devonian age interval; and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high-cost natural gas well.

H.V. Jarrell

STATE OF WEST VIRGINIA
COUNTY OF Lewis, TO-WIT:

I, JoAnn Lambert, a Notary Public in and for the state and county aforesaid, do certify that H.V. Jarrell, whose name is signed to the writing above, bearing date the 4th day of August, 1983, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 4th day of August, 1983.
My term of office expires on the 17th day of November, 1983.

(NOTARIAL SEAL)

JoAnn Lambert
Notary Public

04/26/2024

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT

Operator: Interstate Drilling, Inc. Agent: H. V. Jarrell
 Type Determination being sought - 107 (Devonian Shale)
 API Well No.: 085-6153 Well Name: Well #1
 West Virginia Office of Oil and Gas County: Ritchie
 References: SJA File No.

Vol. _____ Page _____ Line _____

I. NOTE: A Gamma Ray Log has been marked with the (a) Shale Base Line, (b) a line representing 0.7 x (Shale Base Line), (c) intervals with Gamma Ray units less than 0.7 x (Shale Base Line) and that log is included with this analysis.

II. Gamma Ray elevation indices:

A. Shale Base Line (API Units)

1. GR Value at Base Line = 130 * API Units
2. Remarks:

B. Gamma Ray Log Value at 0.7 x Value at Base Line

1. GR Value = _____ * API Units
2. Calculation: $0.7 \text{ (GR Value at Base Line)}$
 $0.7 \text{ (130 *)} = \underline{91}$ API Units

III. Intervals with GR index less than 0.7 x (Value at Base Line):

Interval		Thickness of Interval Feet	Feet of less than* 0.7 (Shale Base Line) Feet
From**	To***		
2102	4581	2479	

2479 x 5% 124' allowed

Total Devonian Interval 2479 16

Total Less Than 0.7 (Shale Base)

Less Than 0.7 (Shale Base Line) = _____ x 100 = 06 %

Less than 0.7 04/26/2024

*Marked on log included with analysis.
 **Top of Devonian Section Recorded on First Interval in this Column.
 ***Lesser of TD or Bottom of Devonian Section Recorded as last Interval in this Column.

IV-27
9-83

RECEIVED
NOV 14 1983



STATE OF WEST VIRGINIA
OIL & GAS DIVISION DEPARTMENT OF MINES
DEPT. OF MINES

Date: 11-9-83
Well No: 72
API NO: 47 - 085 6153
State County Permit

Oil and Gas Division
NOTICE OF VIOLATION

WELL TYPE: Oil X / Gas X Liquid Injection ___ / Waste Disposal ___ /
Of "Gas" - Production ___ / Storage ___ / Deep ___ / Shallow X /

LOCATION: Elevation: 1142 Watershed: LEATHER BARK
District: Murphy County: Ritchie Quadrangle: Burnt House

WELL OPERATOR INTERSTATE DRILLING INC DESIGNATED AGENT H.V. JARBELL
Address Rt 2, Box 213 Address Rt. 2 Box 17
WESTON W.VA. 26452 ROANOKE W.VA. 26423

The above well is being posted this 9 day of Nov, 1983, for a violation of Code 22-4-12B and/or Regulation 2303, set forth in detail as follows:
(USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)

*Reclamation incomplete
Pits open, erosion not controlled,
WATER'S SEEDS,*

A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.
You are hereby granted until Nov-17, 1983, to abate this violation.
Failure to abate the violation may result in action by the Department under Code 22-4-17 or Code 22-4-18.

[Signature]
Oil and Gas Inspector
Address R.D. 2 Box 135
Salmon W. Va. 26426

Telephone: 702-1010 **04/26/2024**

IV-27
9-83

RECEIVED
NOV 1 1983



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL & GAS DIVISION

NOTICE OF VIOLATION

Date: 11-1-83
Well No: 11-1-83
API No: 11-1-83
State County Permit: 11-1-83

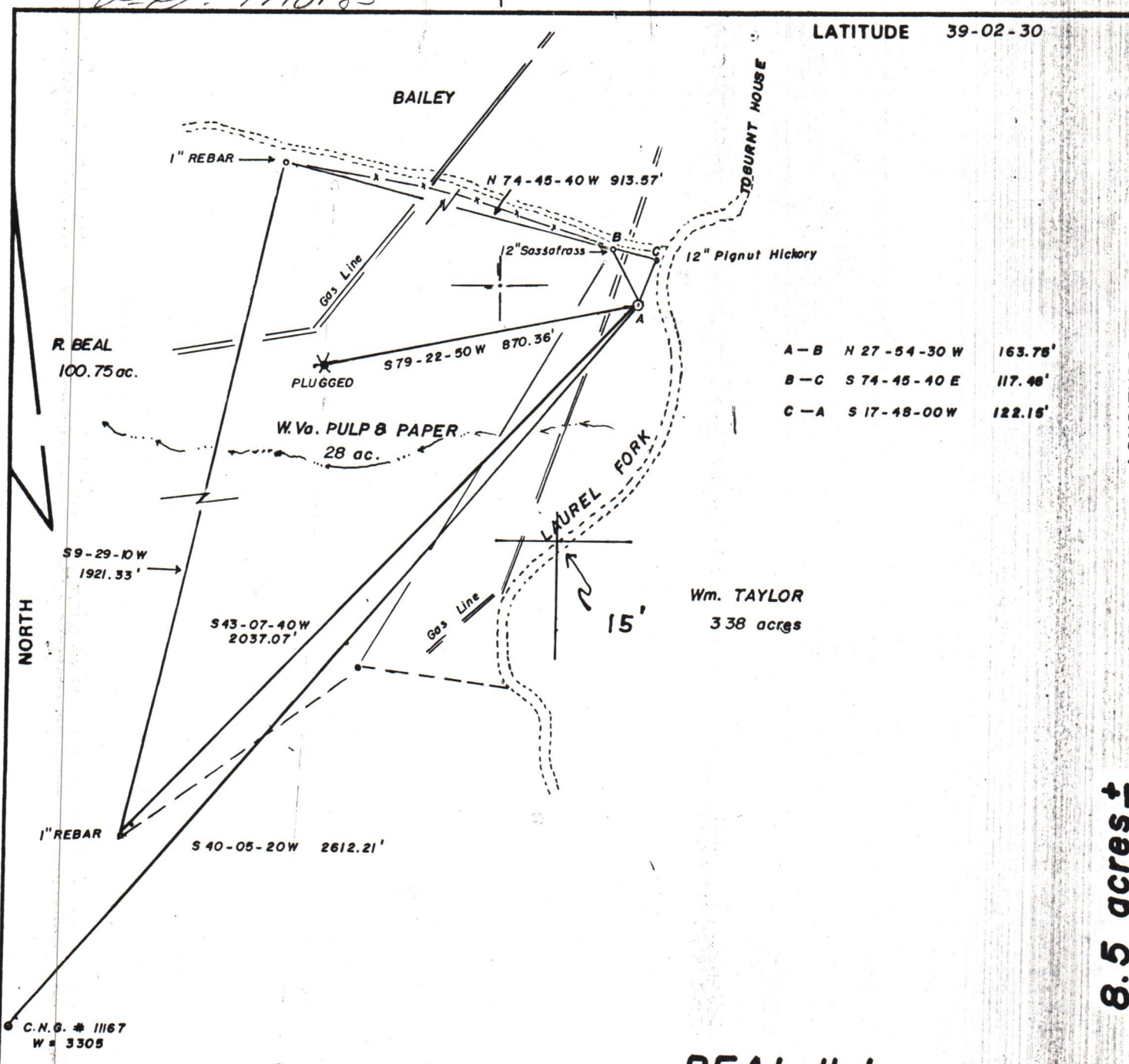
WELL TYPE: Oil Gas Liquid Injection Waste Disposal
CR "Gas" - Production Storage Deep Shallow
LOCATION: Elevation: _____ Watershed: _____
District: _____ County: _____
WELL OPERATOR: _____ DESIGNATED AGENT: _____
Address: _____

The above well is being posted for a violation of Code 22-4-11 and/or Registration 22-4-18, set forth in detail as follows:
(USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)

A copy of this notice has been posted at the well site and sent by certified registered mail to the indicated well operator or his designated agent. You are hereby granted until 11-1-83, to abate this violation. Failure to abate the violation may result in action by the Department under Code 22-4-11 or Code 22-4-18.

Oil and Gas Inspector
Address: _____
Telephone: _____

04/26/2024



8.5 acres

BEAL # 1

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Taken at intersection of Leatherbark and Laurel Frk B.M.=1145

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) Walter G. Robertson
 R.P.E. 5112 L.L.S. _____

PLACE SEAL HERE

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



DATE DECEMBER 16, 19 82
 OPERATOR'S WELL NO. 1 (One)
 API WELL NO. 47-085-6153
 STATE WEST VIRGINIA COUNTY RITCHIE PERMIT 6153

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1142 WATER SHED LEATHER BARK
 DISTRICT MURPHY COUNTY RITCHIE
 QUADRANGLE BURNT HOUSE 7.5'
 SURFACE OWNER W. Va. PULP and PAPER ACREAGE 8.5
 OIL & GAS ROYALTY OWNER GERTRUDE H. BEALL et. al. LEASE ACREAGE 8.5
 LEASE NO. _____

PROPOSED WORK: DRILL X 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 RILEY ESTIMATED DEPTH 4500'
 WELL OPERATOR INTERSTATE DRILLING Inc. DESIGNATED AGENT M.V. JARRELL
 ADDRESS RT. 2 BOX 213 WESTON, W. Va. ADDRESS RT. 2 BOX 17 ROANOKE, W. Va.

04/26/2024

740

OIL AND GAS LEASE

AGREEMENT, made and entered into this 26th day of August A. D. 1981, by and between J. H. Berthy, Eileen Beall

of Interstate Drilling Co. party of the first part, hereinafter called Lessor (whether one or more), and party of the second part, hereinafter called Lessee;

1. WITNESSETH: That the Lessor, in consideration of the sum of One Dollar, the receipt of which is hereby acknowledged, and the covenants and agreements hereinafter contained, does hereby grant unto the Lessee all of the oil and gas and all of the constituents of either in and under the land hereinafter described, together with the exclusive right to drill for, produce and market oil and gas and their constituents and of storing gas of any kind in any formation underlying the land, and also the right to enter thereon at all times for the purpose of drilling and operating for oil, gas and water, laying pipe lines, erecting tanks, machinery, powers and structures, and to possess, use, and occupy so much of said premises as is necessary and convenient for said purposes and to convey the above named products therefrom or thereto by pipe lines or otherwise; said land being situate in Murphy District, County of Ritchie, State of West Virginia, and described as follows, to-wit: Bounded on the NORTH by lands of East George Subway, EAST by lands of Grand Branch, SOUTH by lands of Grand Branch, WEST by lands of Grand Branch. Containing 8 1/2 acres, more or less and being the same land conveyed to lessor by by deed dated and recorded in said county records in Hensheller Book No. 115 Page 327

2. It is agreed that this lease shall remain in force for a primary term of Two years from this date and as long thereafter as operations for oil or gas are being conducted on the premises, or oil or gas is found in paying quantities thereon, or any formation underlying the herein leased land is used for storage of gas as provided under paragraph 7 hereof.

3. The Lessee shall deliver to the credit of the Lessor free of cost, in the pipe line to which he may connect his wells, the equal one-eighth (1/8) part of all oil produced and saved from the leased premises, and shall pay Lessor a royalty of \$2.00 per acre for all gas and casing head gas produced and sold from the premises, payable monthly; provided, Lessee shall pay Lessor a royalty at the rate of Fifty Dollars per year on each gas well while, through lack of market, gas therefrom is not sold or used off the premises, and while said royalty is so paid said well shall be held to be a paying well under paragraph 2 hereof.

4. The Lessee shall commence operations for a well on the premises on or before, 19, unless Lessee pays thereafter a rental of for each months that operations are delayed from the time above mentioned. The consideration first recited herein, the down payment, shall cover not only the privilege granted to the date when first said rental is payable as aforesaid, but also the Lessee's option of extending that period as aforesaid, and any and all other rights conferred. The drilling of a non-productive well shall be accepted by the Lessor in lieu of delay rental for a period of one year after its completion, and following the exhaustion or abandonment of all wells the Lessee shall have the right for a period of one year to resume the payment of delay rental or commence operations for another well. Upon the resumption of payment of rentals the provisions hereof governing such payment and the effect thereof shall continue in force as though they had not been interrupted.

5. All moneys coming due hereunder shall be paid or tendered to direct, or by check payable to his (or her) order mailed to and no default shall be declared against the Lessee by the Lessor for failure of the Lessee to make any payment or perform any conditions provided for herein unless the Lessee shall refuse or neglect to pay or perform the same for ten days after having received written notice by registered mail from the Lessor of his intention to declare such default.

6. Lessor reserves 200,000 cubic feet of gas per annum for domestic use, to be taken through his own appliances at any producing gas well, and agrees to pay Lessee a fair domestic rate for any gas used in excess thereof. Lessor further covenants and agrees that his taking and use of gas shall be wholly at his own risk, the Lessee not to be held liable for any accident or damage caused thereby, nor shall Lessee be liable for any shortage or failure in the supply of gas for said domestic use.

7. Lessee shall have the right to use any formation underlying the leased premises for the storage of gas and shall have all rights and rights-of-way necessary to store and produce such stored gas. As full payment for such storage rights, the Lessee shall pay to the Lessor a rental at the rate of per acre per year, while the premises are so used, and so long as the storage payment is made, all provisions of this lease shall remain in full effect.

8. Lessor further grants to the Lessee, his heirs and assigns, the right to unitize this lease with other leases to form a drilling unit or units according to the rules and regulations which may be adopted for the proper development and conservation of the field. In the event this lease is so unitized, the Lessor agrees to accept, in lieu of the royalty hereinbefore recited, such proportion of the royalty above provided, as the acreage covered by this lease bears to the total acreage comprising the unit.

9. If said Lessor owns a less interest in the above described land than the undivided fee simple estate therein, then the royalties and rentals herein provided shall be paid the Lessor only in the proportion which his interest bears to the whole and undivided fee.

10. No well may be drilled nearer than 200 feet to the house or barn now on said premises without the written consent of Lessor. Lessee shall have and enjoy all rights and privileges necessary and convenient for the proper use and development of this lease, and shall have the right to use, free of cost, gas, oil and water produced on said land for its operations thereon, except water from wells of Lessor. Lessee shall also have the right at any time to remove all or any part of the machinery, fixtures or structures placed on said premises, including the right to draw and remove casing. Lessee shall pay for damages caused by its operations to growing crops on said lands, and, when requested by Lessor, shall bury its pipe lines below plow depth.

11. The interest or estate of either party hereto may be assigned, the privilege of assigning in whole or in part being expressly allowed. In event this lease shall be assigned as to any part or parts of the above described land and the assignee or assignees of such part or parts shall fail or make default in the payment of the proportionate part of the rents due from him or them, such default shall not operate to defeat or affect this lease insofar as it covers a part or parts of said land upon which the said Lessee or any assignee thereof shall make due payment of said rental. No change of ownership in the land or in the rentals or royalties shall be binding on the Lessee until after notice to the Lessee and it has been furnished with a written transfer or assignment or a certified copy thereof.

12. At any time, Lessee, its successors or assigns, shall have the right to surrender this lease or any part thereof for cancellation, after which all payments and liabilities hereunder thereafter shall cease and determine, and if the whole is surrendered, then this lease shall become absolutely null and void. This surrender may be made to the Lessor, or if more than one Lessor, then to any one of them, or to the heirs or assigns of any one of them by delivery of a duly executed surrender thereof in person or by mail addressed to the post office address of such person, or by recording a duly executed surrender thereof in the Recorder's office of the County in which the land is located.

13. Lessor hereby warrants and agrees to defend the title to the land herein described and agrees that Lessee at its option may pay, discharge or redeem any taxes, mortgages, or other liens existing, levied, or assessed on or against the above described lands, and in event it exercises such option, it shall be subrogated to the rights of any holder or holders thereof and may reimburse itself by applying any royalty or rentals accruing hereunder to the discharge of any such taxes, mortgages or other liens.

14. It is expressly agreed that if the Lessee shall commence drilling operations at any time while this lease is in force, it shall remain in force and its terms continue so long as such operations are prosecuted, and if production results therefrom, then as long as production continues. If after the expiration of the term of this lease production from the leased premises shall cease from any cause, this lease shall not terminate provided Lessee resumes operations within sixty days from such cessation, and this lease shall remain in force during the prosecution of such operations, and, if production results therefrom, then as long as oil or gas is produced in paying quantities.

J-20

04/26/2024 DEPT. OF MINES