



1) Date: January 7, 19 83
2) Operator's Well No. Little #1-R
3) API Well No. 47 085 6152
State County Permit

DRILLING CONTRACTOR:

Clint Hurt
Edens Fork, WV

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas
B (If "Gas", Production / Underground storage _____ / Deep _____ / Shallow)
- 5) LOCATION: Elevation: 1202.5 Watershed: Low Gap Run
District: Grant County: Ritchie Quadrangle: Harrisville 7.5
- 6) WELL OPERATOR Wayman W. Buchanan 11) DESIGNATED AGENT Leroy Hopkins
Address 444 Petroleum Commerce Bldg. Address P.O. Box 106
San Antonio, Texas 78205 Kenna, WV 25248
- 7) OIL & GAS ROYALTY OWNER Paul Herron, Et al 12) COAL OPERATOR None
Address 108 Brown Avenue Address _____
Weston, WV 26452
- 8) SURFACE OWNER Same as Above 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____
- 9) FIELD SALE (IF MADE) TO:
Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED 14) COAL LESSEE WITH DECLARATION ON RECORD:
Name Samuel N. Hersman Name _____
Address P.O. Box 66 Address _____
Smithville, WV 26178
- 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, Devonian Shale
- 17) Estimated depth of completed well, 4800 feet
- 18) Approximate water strata depths: Fresh, 150 feet; salt, 1900 feet.
- 19) Approximate coal seam depths: None 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			
Conductor	9 5/8			X			350	Circ.		Kinds
Fresh water										
Coal										Sizes
Intermediate	7			X			2200	Circ.		
Production	4 1/2			X			4800	480 Sks.		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: _____
My Commission Expires _____

Signed: Leroy Hopkins
Its: Designated Agent

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-085-6152

January 10 04/26/2024 83
Date

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: <u>Blanket</u>	Agent: <u>OK</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>1948</u>
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Administrator, Office of Oil and Gas

Line Item Explanation

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

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

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

04/26/2024

Date: _____, 19____

By _____

Its _____

ACKNOWLEDGMENT OF LEASE

STATE OF OHIO County of HOLMES, To-wit;

I, STANLEY E. YODER, a Notary Public of said County of OHIO do certify that KENNETH + IDA LITTLE

whose names are signed to the within writing bearing date the 19th day of JANUARY, A.D., 1982 this day acknowledged the same before me in my said county.

Given under my hand and official seal this 21st day of JANUARY, A.D., 1982

My commission expires, 19

STANLEY E. YODER NOTARY PUBLIC, STATE OF OHIO My Commission Expires Aug. 15, 1982

Stanley E. Yoder Notary Public

ACKNOWLEDGMENT OF LEASE

STATE OF County of, To-wit;

I, a Notary Public of said County of do certify that

whose names are signed to the within writing bearing date the day of, A.D., 19 this day acknowledged the same before me in my said county.

Given under my hand and official seal this day of, A.D., 19

My commission expires, 19

Notary Public

ACKNOWLEDGMENT OF LEASE

STATE OF County of, To-wit;

I, a Notary Public of said County of do certify that

whose names are signed to the within writing bearing date the day of, A.D., 19 this day acknowledged the same before me in my said county.

Given under my hand and official seal this day of, A.D., 19

My commission expires, 19

Notary Public

NO. MAP NO. OIL AND GAS LEASE FROM TO DATE TERM OF YEARS ACRES LEASED RECORDED:

and admitted to record in the office of the County Commissioner of Ritchie County, W. Va. JAN 29 1982 at 12:35 P.M. recorded in lease book No. 141 Page 3 ester: Linda B. Mays Clerk

42672024

Carl E. Smith, Inc.

ASSIGNMENT OF OIL AND GAS LEASES

STATE OF WEST VIRGINIA X

COUNTY OF KANAWHA X

KNOW ALL MEN BY THESE PRESENTS, THAT:

WHEREAS, MORRIS EXPLORATION COMPANY, having an address of 401 Peoples Building, Charleston, West Virginia, 25301, hereinafter called "Assignor", is the owner and holder of those certain Oil and Gas Leases covering lands in the State of West Virginia, as more particularly described in the schedule of leases attached hereto, marked Exhibit "A", and by reference made a part hereof.

NOW THEREFORE, Assignor, for and in consideration of the sum of Ten and No/100 Dollars (\$10.00) in hand paid by WAYMAN W. BUCHANAN, having an address of 444 Petroleum Commerce Building, San Antonio, Texas, 78205, hereinafter called "Assignee", and subject to further provisions set forth, has sold, assigned, transferred and conveyed and by these presents does sell, assign, transfer and convey unto Assignee all of Assignor's right, title and interest in and to each and all of the Oil and Gas Leases described and referred to upon Exhibit "A", together with all rights thereunder and incident thereto, including any and all personal property located thereon or used in connection therewith.

TO HAVE AND TO HOLD unto Assignee, their successors, legal representatives and assigns, subject to the following reservations and agreements, to-wit:

Assignor hereby excepts from this Assignment and reserves and retains unto Assignor an overriding royalty on the oil and gas (including the respective constituent elements produced with the oil and gas) that may be produced, saved and sold from the land covered by said lease.

- (a) On Oil, Seven and One-half percent (7.5%) of 8/8 of all of that produced and saved, the same to be delivered at the wells or to the credit of Assignor into the pipeline to which the wells may be connected; and

04/26/2024

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OIL & GAS DIVISION
DEPT. OF MINES

(b) On gas, including casinghead gas or other gaseous substances produced and sold or used off the premises or in the manufacture of gasoline, or other products therefrom, the market value at the well of Seven and One-half percent (7.5%) of 8/8 of all of the gas sold or used.

This Assignment is made without warrant of title, either express or implied, and is subject to all of the terms, stipulations, covenants and conditions of said Leases.

EXECUTED this 29th day of October, 1982.

(This instrument was prepared by Stephen E. Cain, 401 Peoples Building, Charleston, West Virginia, 25301).

MORRIS EXPLORATION COMPANY
a corporation,

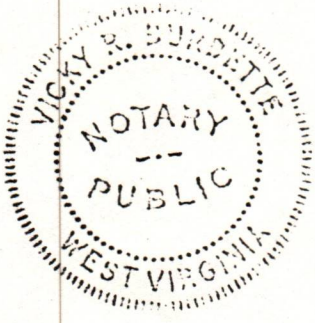
By: Jim P. Morris
Jim P. Morris
President

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

The foregoing instrument was acknowledged before me this 29th day of October, 1982, by Jim P. Morris, President of MORRIS EXPLORATION COMPANY, a corporation.

My Commission Expires: December 1, 1990

Vicky R. Burdette
NOTARY PUBLIC



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"Attached to and made a part of Assignment of Oil and Gas Leases dated October 29, 1982, by and between Morris Exploration Company, as Assignor, and Wayman W. Buchanan, as Assignee."

<u>LEASE NUMBER</u>	<u>LESSOR</u>	<u>LEASE DATE</u>	<u>COUNTY</u>	<u>RECORDED BK/PG</u>	<u>GROSS ACRES</u>
43-45	John Davisson, etux	07/21/82	Ritchie	150/128	40.00
43-46A	M. Grace Heck, widow	09/30/82	Ritchie	149/432	84.00
43-46B	Robert M. Sigler	09/30/82	Ritchie	149/430	84.00
43-46C	Joe H. Sigler, etux	10/01/82	Ritchie	149/428	84.00
43-19E	Guy R. Moats	08/23/82	Ritchie	149/658	268.25
43-47	John E. Lowther, etux	10/19/82	Ritchie	149/656	45.00
43-48	Orval R. Wince, etal	10/26/82	Ritchie	150/149	11.50
43-50A	Ruben Hinton, widower	10/12/82	Ritchie	150/145	25.00
43-50B	Lola Miller	10/12/82	Ritchie	150/143	25.00
43-50C	Wilma E. Campbell	10/12/82	Ritchie	150/131	25.00
43-50D	Audrea Harris, etal	10/12/82	Ritchie	150/133	25.00
43-50E	Belva Freeland, etvir	10/12/82	Ritchie	150/136	25.00
43-50F	Howard Campbell, etal	10/12/82	Ritchie	150/138	25.00
43-51A	Helen Border, etal	09/30/82	Ritchie	150/154	36.50
43-51B	S. W. Williamson, etal	01/23/81	Ritchie	150/152	36.50
43-50G	Lloyd E. Myers, etux	10/12/82	Ritchie	150/192	25.00
43-46D	Duane E. Moats, etux	10/01/82	Ritchie	150/157	84.00
43-46E	Guy R. Moats, single	10/01/82	Ritchie	150/141	84.00
43-31A	Paul Herron, POA	10/18/82	Ritchie	150/159	19.75
43-32A	Paul Herron, POA	10/18/82	Ritchie	150/170	51.00
43-20C	Paul Herron, POA	10/18/82	Ritchie	150/181	23.50

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04/26/2024

filed and admitted to record in the office
of the Clerk of the County Commission of Ritchie
1982

DEC 4 2024

County, W. Va. 2:40 o'clock P. M.

Recorded in LEASE P. 240

Book No. 151

Tested: Lynda B. May Clerk

IV-35
(Rev 8-81)



State of West Virginia
Department of Mines
Oil and Gas Division

Date 1/17/83
Operator's Little #1
Well No. Little #1
Farm Paul Herron, etal
API No. 47 - 085 - 6152

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

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

LOCATION: Elevation: 1202 Watershed Low Gap Run
District: Grant County Ritchie Quadrangle Harrisville 7.5

COMPANY Wayman W. Buchanan
ADDRESS San Antonio, Texas 78205
DESIGNATED AGENT Leroy Hopkins
ADDRESS Kenna, WV 25248
SURFACE OWNER W. M. Herron Estate
ADDRESS 108 Brown Ave., Weston, WV 26452
MINERAL RIGHTS OWNER Herron Est. & Little
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Samuel
N. Hersman ADDRESS Smithville, WV 26178
PERMIT ISSUED 1/7/83
DRILLING COMMENCED 1/7/83
DRILLING COMPLETED 1/14/83

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cord.			
13-10"			
9 5/8		372	Circ.
8 5/8			
7		2360	Circ.
5 1/2			
4 1/2		5340	250sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 5340' feet
Depth of completed well 5340 feet Rotary X / Cable Tools
Water strata depth: Fresh 210 feet; Salt 2134 feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Devonian Shale Pay zone depth 3970-5242 feet
Gas: Initial open flow S/G Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow N/A Mcf/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 04/26/2024 hours

Static rock pressure 820 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)

Second producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d

Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

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

- 2/13/83: Selectively perforated Zone #1 with 27 - 0.375" ID jet shots, 4911-5199. Fractured with 250 gals. acetic acid, 250 gals. nitrofiied 15% HCL, and 21,000 gals. 90 quality wes-foam with 25,452 #20/40 Sand.
- 2/15/83 Selectively perforated zone #2 with 28 - 0.375" ID jet shots, 4374-4550. Fractured with 250 gals. nitrofiied 15% HCL, 21,000 gals. 90 quality Wes-foam, 25,452# 20/40 sand. Displaced with N₂ and seated frac ball in baffle #2. Selectively perforated Zone #3 under 1600# pressure with 35 - 0.375" ID jet shots, 3970-4323. Fractured with 250 gals. nitrofiied 15% HCL, 21-000 gals. 90 quality wes-foam, 25,452# 20/40 sand.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fre and salt water, coal, oil and g
Shale and Red Rock			0	164	
Sand			164	633	
Shale			633	846	
Sand & Shale			846	1550	
Sand			1550	1615	
Shale			1615	1812	
Sand & Shale			1812	1911	
Sand			1911	2057	
Big Lime			2057	2134	
Sand			2134	2274	
Shale			2274	2641	
Berea Section			2641	2643	
Silty Shale			2643	3156	
Shale			3156	5340	

(Attach separate sheets as necessary)

Wayman W. Buchanan

04/26/2024

Well Operator

By: Greg Wright

Date: 3/21/83

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic



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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

COMPANY WAYMAN W. BUCHANAN
444 PETROLEUM COMMERCE BLDG
SAN ANTONIO, TX 78205

PERMIT NO 47-085-6152
FARM & WELL NO HERRON/LITTLE #1
DIST. & COUNTY GRANT/RITCHIE

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

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

SIGNED *Clayton Robinson*
CLAYTON R. ROBINSON

DATE 2 NOVEMBER 1984

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 4, 1985

DATE _____

04/26/2024

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1.0 API well number: (If not available, leave blank. 14 digits.)	_____ 47-085-6152 _____			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	_____ 102 _____ Section of NGPA	_____ 3 _____ Category Code	OIL & GAS DIVISION DEPT. OF MINES	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	_____ feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	_____ Wayman W. Buchanan _____ Name			_____ Seller Code
	_____ 444 Petroleum Commerce Building _____ Street			
	_____ San Antonio _____ City		_____ Texas _____ State	_____ 78205 _____ Zip Code
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	_____ Unknown _____ Field Name			
	_____ Ritchie _____ County		_____ WV _____ State	
(b) For OCS wells:	_____ Area Name		_____ Block Number	
	Date of Lease: _____ _____ Mo. Day Yr.			
(c) Name and identification number of this well: (35 letters and digits maximum.)	_____ Little #1-R _____			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	_____			
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	_____ Consolidated Gas Supply Corporation _____ Name			_____ Buyer Code
(b) Date of the contract:	_____ _____ Mo. Day Yr.			
(c) Estimated annual production:	_____ MMcf.			
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	_____ Unknown _____	_____ _____	_____ _____	_____ _____
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	_____ _____	_____ _____	_____ _____	_____ _____
9.0 Person responsible for this application:	_____ Stephen E. Cain _____ Name Title			
Agency Use Only Date Received by Juris. Agency APR 12 1983 Date Received by FERC	_____ Signature			_____ Phone Number
	_____ March 15, 1983 _____ Date Application is Completed		_____ (304) 345-6631 _____	

04/26/2024

PARTICIPANTS:

DATE: SEP 22 1983

BUYER-SELLER CODE

WELL OPERATOR: Wayman W. Buchanan

FIRST PURCHASER: Consolidated Gas Supply Corp.

OTHER: _____

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
830412-102-085-6152
 Use Above File Number on all Communications
 Relating to Determination of this Well

QUALIFIED

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

- ITEM NO.
- 1. FERC -121 Items not completed - Line No. All 7.0 + 8.0
 - 2. IV-1 Agent Leroy Hopkins
 - 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?
 - 0-17. IV Form 51 (52) - 53 - 54 - 55 - 56 - 57 - 58 Complete? Affidavit Signed
 - 8-28. Other: Survey _____ Logs _____ Geological Charts _____
 Structure Map _____ 1: 4000 Map Well Tabulations
 Gas Analyses _____
 - (5) Date commenced: 1-7-83 Date completed 1-14-83 Deepened _____
 - (5) Production Depth: 3970 - 5242
 - (5) Production Formation: Devonian Shale
 - (5) Final Open Flow: NA
 - (5) After Frac. R. P. 820# 24 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: _____ PSIG from Daily Report
 - (5) Oil Production: _____ From Completion Report _____
 - 17. Does lease inventory indicate enhanced recovery being done NO
 - 17. Is affidavit signed? Notarized?
 - es official well record with the Department confirm the submitted information? 04/26/2024
 - ditional information _____ Does computer program confirm? _____
 - s Determination Objected to _____ By Whom? _____

7B

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

DATE March 15, 1983

Operator's
Well No. Little #1-R

API Well No. 47 - 085 - 6152
State County Permit

WELL CLASSIFICATION FORM

WELLS DRILLED MORE THAN 1,000 FEET DEEPER THAN A MARKER WELL

NGPA Section 102(c)(1)(B)(ii) Category 3

DESIGNATED AGENT Leroy Hopkins

ADDRESS P. O. Box 106

Kenna, WV 25248

WELL OPERATOR Wayman W. Buchanan

ADDRESS 444 Petroleum Commerce Bldg.

San Antonio, Texas 78205

GAS PURCHASER Consolidated Gas Supply

ADDRESS P. O. Box 2450

Clarksburg, WV 26301

LOCATION: Elevation 1202.50

Watershed Low Gap Run

District Grant County Ritchie Quad. Harrisville

Gas Purchase Contract No. 7.5

Meter Chart Code _____

Date of Contract _____

* * * * *

List all records reasonably available to you which contain information relevant to a determination of eligibility (including production records, B&O Tax Records and royalty payment records) and indicate the location of such records:

See attached sheet of completion data with top perms or top of completion interval indicated.

APR 12 1983
OIL & GAS DIVISION
DEPT. OF MINES

Describe the search made of any records listed above:

Are there any records not reasonably available to you which may contain information relevant to a determination of eligibility? Yes ___ No X. If yes, identify such records and indicate their location, if known:

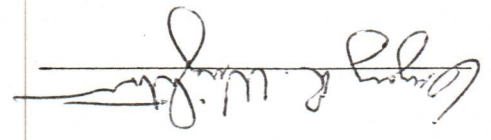
04/26/2024

Are you aware of any other information which would tend to be inconsistent with the information specified above? Yes No X. If yes, indicate the type and source of the information.

04/26/2024

AFFIDAVIT

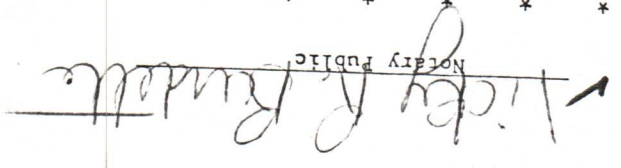
I, Gregory Wrightstone, having been first duly sworn according to law, state that I have caused to be made a diligent search of those records hereinbefore indicated in the manner herein described, that the information contained in this document is true and accurate, and that on the basis of the records and examinations hereinbefore described and to the best of my information, knowledge and belief, there is no marker well within 2.5 miles of the well for which this determination is sought which has a completion location less than 1,000 feet above the completion location of the said well for which determination is sought.



STATE OF WEST VIRGINIA
COUNTY OF Kanawha, TO WIT:

I, Vicky R. Burdette, a Notary Public in and for the state and county aforesaid, do certify that Gregory Wrightstone whose name is signed to the writing above, bearing date on the 15 day of March, 19 83 has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 15 day of March, 19 83. My term of office expires on the 1st day of December, 19 90.

[NOTARIAL SEAL]


Notary Public

* * * * *
BOTTOM HOLE PRESSURE DATA

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

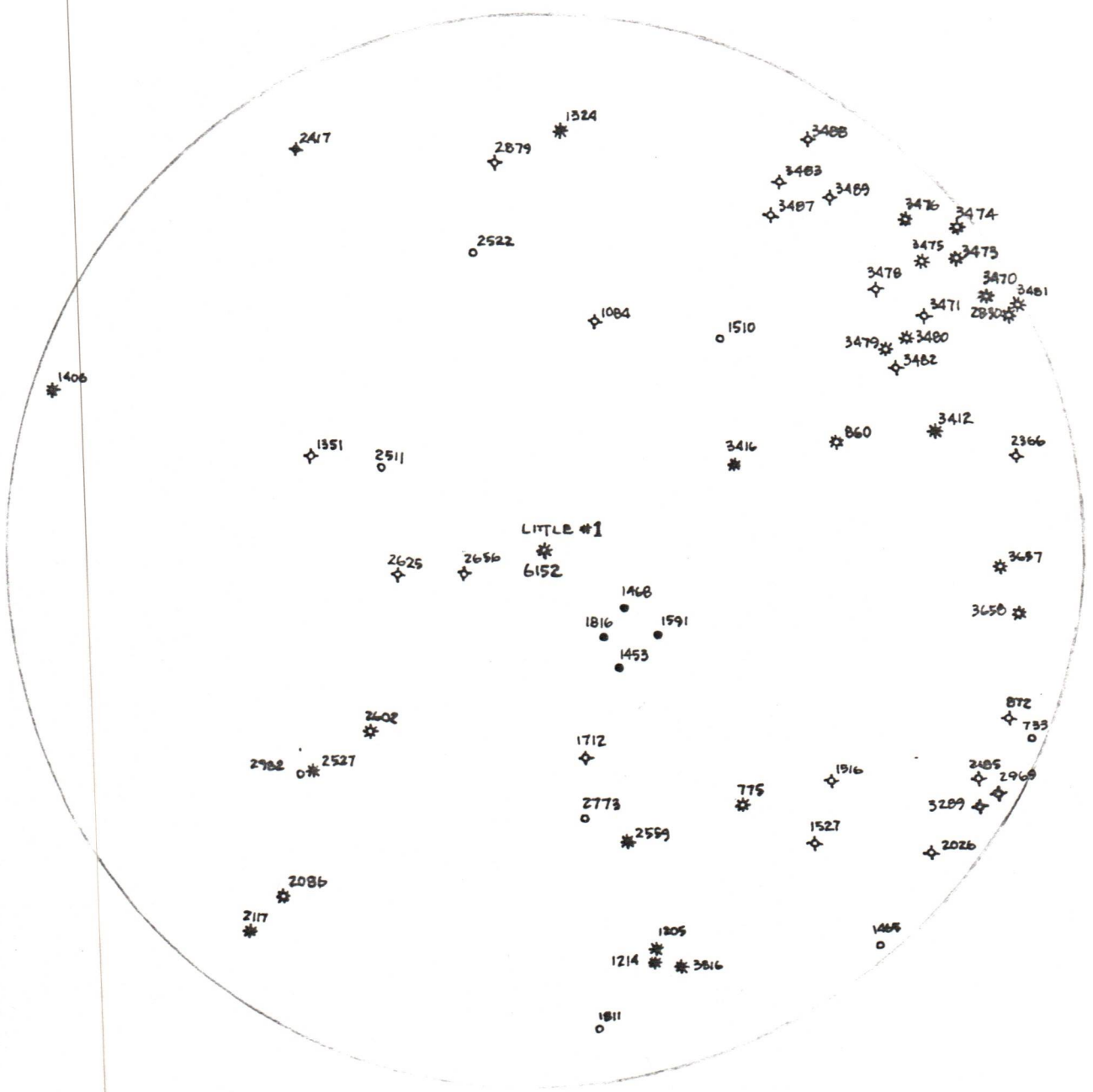
BHP = 820 + 820 (e 5340 (.68) -1)
BHP = 820 + 820 (1.13 - 1)
BHP = 926.60

LITTLE # 1

PERMIT #	TOP PERF.	BOTTOM PERF.	COMMENTS	PERMIT #	TOP PERF.	BOTTOM PERF.	COMMENTS
733	—	—	DRY	3474	1667	1780	
775	1950	2058		3475	1632	1764	
860	2058	2064		3476	1641	1745	
872	—	—	DRY HOLE	3477	1774	1878	
1084	—	—	DRY HOLE	3478	1805	1911	
1205	1975	2078		3479	1746	1847	
1214	1956	1986		3480	1750	1860	
1324	1465	1475		3481	1645	1845	
1351	—	—	DRY HOLE	3482	1945	2033	
1406	52	75		3483	1983	2054	
1453	1559	1570		3487	1948	2036	
1465	2129	2139		3488	2024	2159	
1469	1587	1616		3489	2024	2114	
1510	—	—	NO COMPLETION AVAIL.	3657	1821	1908	
1516	—	—	DRY HOLE	3658	2592	2600	
1527	—	—	DRY HOLE	2773	—	—	NO COMPLETION AVAIL.
1591	1610	1650		2969	1778	1905	
1712	—	—	DRY HOLE				
1811	—	—	DRY HOLE				
1816	1834	2047					
2026	—	—	DRY HOLE				
2086	1910	1936					
2117	1664	1684					
2185	—	—	DRY				
2366	—	—	DRY				
2417	1575	1725					
2511	—	—	NO COMPLETION AVAIL.				
2522	—	—	NO COMPLETION AVAIL.				
2527	1628	1740					
2559	1776	1790					
2602	1831	1880					
2625	1885	2015					
2656	1909	1914					
2830	1735	1854					
2879	—	—	DRY				
2982	1695	1720					
3289	—	—	DRY				
3316	1978	1980					
3412	1985	2055					
3416	1978	2000					
3470	1651	1738					
3471	1657	1757					
3473	1635	1725					

04/26/2024

LOCATION PLAT
FOR
WAYMAN W. BUCHANAN - LITTLE NO. 1
AS REQUIRED BY SECTION 102 OF THE NGPA 1978



Wayne Bamhart L.L.S. 434
PREPARED BY *Olin Shockey*

E : 1" = 4000'

04/26/2024

THIS AGREEMENT, Made and entered into the 19th day of January, A.D., 1982

by and between Kenneth Little and Ida Little, husband and wife.

party of the first part, hereinafter called the Lessor, and CARL E. SMITH PETROLEUM, INC., party of the second part, hereinafter called the Lessee.

WITNESSETH, that the said Lessor, for and in consideration of the sum of ONE Dollars, in hand well and truly paid by the said Lessee, the receipt of which is hereby acknowledged, and the covenants and agreements hereinafter contained has leased and let, and by these presents does lease and let unto the said Lessee, with covenants of General Warranty, all the Oil and Gas in and under the premises hereinafter described, together with the right of way over said premises for the purpose and with the exclusive right to enter thereon at any time to drill and operate wells for oil, gas and water and to erect, maintain and occupy, repair and remove all buildings, telephone poles and wires, structures, pipe lines, machinery and appliances that the Lessee may see fit to install thereon for the production and transmission of oil, gas and water thereon from this and other leases, and the transportation of oil, gas and water upon and over said premises and highways along the same, with the right to use sufficient oil, gas and water from said land free of cost to the Lessee, to drill all wells and for all purposes necessary or convenient in operating the same on this or adjoining leases; which premises or tract of land is situated in

Grant Township/District, Ritchie County, WV on the waters of Low Gap Run and bounded as follows:

On the North by lands of B.F. Rollins (Formerly)

On the East by lands of Mack Mason (Formerly)

On the South by lands of George T. Layfield & Sophia Rollins (Formerly)

On the West by lands of B.F. Rollins & J. Edwards (Formerly)

containing 1/2 int. 19.75 acres, more or less, and being the same land conveyed to the Lessor by

by deed dated 19, and recorded in the office of the Clerk of the County Court of County,

in Deed Book, at page, reserving therefrom 200 feet from the buildings now on said land on which no wells shall be drilled by either party except by mutual consent.

It is agreed that this lease shall remain in force for the term of 2 (Two) years from this date and as long thereafter as the Lessee is engaged in the production of or search for oil and gas, or either of them, and so long as the rental described in paragraph "Fourth" is paid.

IN CONSIDERATION OF THE PREMISES the said Lessee covenants and agrees:

First: To deliver to the credit of the Lessor, free of cost, in the tanks to which the wells of the Lessee may be connected, the equal 1/8th part of all oil produced and saved from the leased premises, and to deliver to Lessor, at the well head the equal 1/8th part of all natural gas produced; or at Lessee's option to pay to Lessor 1/8th of the then prevailing price, at the well head, for oil and/or gas from each well drilled on subject premises, which oil and/or gas is marketed off said premises, subject to Lessor's share of necessary operational costs.

Second: That the Lessor may use gas for heating and lighting the inside of one dwelling house situated on the leased premises, from the well head of any one well producing more gas than is necessary for the operation of this lease. Lessor hereby releases Lessee from all claims for damages which may result from the Lessor's use of said gas. Lessor's use of free gas under this clause shall be limited to 200,000 cubic feet per annum, except where Lessor's acreage is pooled with other acreage under the terms of paragraph Sixth below, Lessor's free gas rights per annum shall be prorated by multiplying the percentage of Lessor's acreage in the pooled unit by 200,000 cubic feet. Lessor hereby agrees to pay Lessee for all gas used in excess of aforesaid free gas rights at the same rate being charged by local utility at time of use. Lessor further agrees to give free right of way over and through premises for service lines of all other members of the unit.

Third: To pay for damages done to growing crops occasioned by the location and drilling of any well or wells.

Fourth: In case no well is commenced on said premises on or before one year from the date hereof, to pay Lessor dollars per acre annually, payable annually in advance, for each additional year such location and commencement is delayed from the time above mentioned for the location and commencement of such well until a well is commenced and for such further time as shall elapse between the completion of such well and the first delivery of oil and/or gas therefrom.

Lease rental to be paid (2) two years in advance at 5.00 dollars per acre

Fifth: Lessee hereby is given the right at its option, at any time from the date hereof while this agreement shall be in effect and from time to time within such period, to pool all or any part or parts of the leased premises or rights therein with any other land in the vicinity thereof, or with any leasehold, operation or other rights or interests in such other land to create units of such size and surface acreage as Lessee may desire, but containing not more than 300 acres plus 10% acreage tolerance, unless units of larger size are required by rule, regulation or order of any governmental authority and if such larger units are so required by governmental authority any such unit may be established or enlarged to conform to the size specified by such governmental authority. Each unit may be created by governmental authority or by written declaration-notice executed by Lessee and recorded by Lessee in the proper clerk's office in the county where this lease-hold estate is located. Such written declaration-notice shall contain a description of the unit so created, specifying the mineral stratum or horizon so pooled if so limited. (Any well which is commenced, or is drilled or is producing on any part of any lands theretofore or thereafter so pooled shall, except for the payment of royalties, be considered a well commenced, drilled and producing on the lands hereby leased.) There shall be allocated to the portion of the leased premises included in any such pooling such proportion of the actual production from all lands so pooled as such portion of the leased premises, computed on an acreage basis, bears to the entire acreage of the lands so pooled. The production so allocated shall be considered for the purpose of payment or delivery of royalty to be the entire production from the portion of the leased premises included in such pooling in the same manner as though produced from such portion under the terms of this lease. Each of said options may be exercised by the Lessee from time to time, and may be formed by Lessee either before or after a well has been drilled, or production has been established on the leased premises or on a portion of the leased premises which is included in the pooling or on other lands which are pooled therewith.

Sixth: All payments under this lease shall be made direct to the Lessor, or by check mailed to Kenneth Little

Address Rt. 1, Dundee, Ohio 44624 (Phone) (216) 893-2446

Seventh: It is agreed that the Lessee shall have the right to surrender this lease as to all of said tract or any part thereof, at any time, by delivering to the Lessor an instrument of surrender, and by recording such instrument in the proper office in the county where such lease is located, which shall be a full and legal surrender of this lease as to all of said tract or any part therein described, and which delivery and recordation shall cancel all liabilities under said lease both past and future, of each and all parties hereto.

Eighth: It is agreed that the terms and conditions herein contained shall be binding upon the heirs, successors or assign of the parties hereto.

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

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and seals on the first date above written.

WITNESS
(SEAL) [Signature] (SEAL) Kenneth Little
(SEAL) [Signature] (SEAL) Ida Little

04/26/2024

THIS INSTRUMENT WAS PREPARED BY Norman L. Yost



DATE Jan. 5, 1983

WELL NO. Little # 1 Relocat

API NO. 47-085-6152

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Wayman Buchanan
Address San Antonio, Texas
Telephone 512-223-3897

DESIGNATED AGENT Leroy Hopkins
Address 372-8305
Telephone Kenna, WV

LANDOWNER William Herron Etals
Revegetation to be carried out by _____

SOIL CONS. DISTRICT Little Kanawha
Unknown Contractor (Agent)

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

1-6-83

(Date)

Garrett Newton
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Drainage Ditch (A)
Spacing _____
Page Ref. Manual 2:12

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

Structure Culvert (B)
Spacing 12" Min-30" Max I. D.
Page Ref. Manual 2:7 & 2:8

Structure _____ (2)
Material Straw
Page Ref. Manual 3:6 & 3:7

Structure Cross Drains (C)
Spacing 135' - 400'
Page Ref. Manual 2:1 & 2:4

Structure _____ (3)
Material _____
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 3 Tons/acre
or correct to pH 6-5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay 2 Tons/acre
Seed* Kentucky 31 Fescue 45 lbs/acre
Crown Vetch 10 lbs/acre
_____ lbs/acre

Lime 3 Tons/acre
or correct to pH 6-5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay 2 Tons/acre
Seed* Kentucky 31 Fescue 45 lbs/acre
Ladino Clover 5 lbs/acre
_____ lbs/acre

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

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PLAN PREPARED BY Olin Shockey

ADDRESS Rt. 1, Box 139*B
Ravenswood, WV 26164
273-2246

PHONE NO. _____

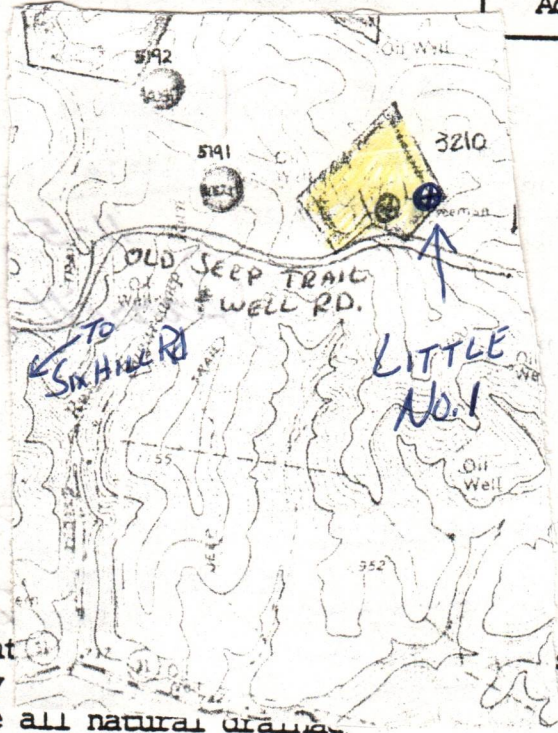
NOTES: Please request landowner's cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE HARRISVILLE (7.5')

LEGEND

Well Site ⊕

Access Road ———



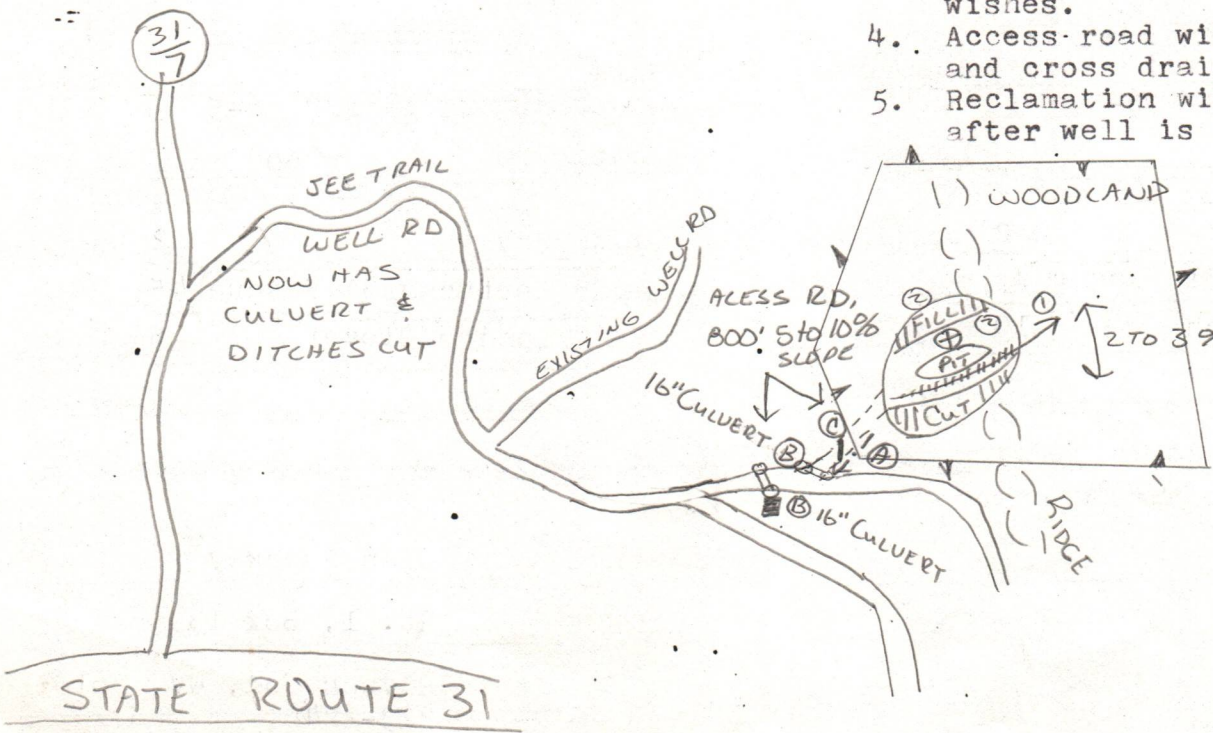
Sketch to include well location, drilling pits and necessary part of this plan. Include all natural drainage systems to be constructed, well sites to correspond with the first

LEGEND

Property boundary ————	Diversion ————
Road = = = = =	Spring ○ →
Existing fence — x — x —	Wet spot ☼
Planned fence — / — / —	Building □
Stream ~ ~ ~ ~ ~	Drain pipe — ○ — ○ — ○ —
Open ditch — ···· — ···· — ···· —	Waterway ⇄ ⇄ ⇄ ⇄



1. Location is on the ridge 2 to 3% slope covered with large timber.
2. Size of location is 225' X 225'.
3. All timber will be cut and stacked according to land owners wishes.
4. Access road will have side slopes and cross drains.
5. Reclamation will be done 6 mos. after well is completed.



04/26/2024

OIL AND GAS LEASE

THIS AGREEMENT, Made this the 18th day of OCTOBER, 1982, by and between PAUL HERRON, individually, and Ada Herron, James L. Herron, Ellen Herron, Norman Zinn, Hazel Marie Herron, Wilhemenia (Billie) Jones, Freddie C. Jones, Ada Jean Oldaker, Willard T. Oldaker, Lorelee Herron, Ronda H. Herron, Daniel W. Herron, Jr., Sonja R. Herron, by and through Paul Herron, their Attorney-in-fact, LORALEE HERRON, as Guardian for Jonathan Tyler Herron, and RUTH A. ECKES, as Guardian for Kelley M. Herron, parties of the first part, hereinafter called LESSORS, and MORRIS EXPLORATION COMPANY, a West Virginia corporation, party of the second part, hereinafter called LESSEE;

WITNESSETH:

1. For and in consideration of the sum of FOUR HUNDRED NINETY-THREE and 75/100 DOLLARS (\$493.75) a receipt of which is hereby acknowledged, and of the covenants and agreements herein contained, Lessors do hereby grant, demise, lease and let unto Lessee, the hereinafter described premises, together with the right, upon approval of the landowner as to location of conducting geological, geophysical, and other exploratory work (including core drilling) and of exploring, drilling, fracturing and operating wells for oil and gas

ERALD H. BROOKS
ATTORNEY AT LAW
ESTON, WEST VIRGINIA

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thereon, and producing, saving, treating and transporting the oil and gas therein, together with the right upon approval of the landowners as to location, to construct and maintain all pipe lines, gas or water, or any one or more of them, from the leased premises, together with rights of way over this land of Lessors for the purpose aforesaid; said premises being that tract of land with any reversionary rights therein, situate in Grant District, Ritchie County, West Virginia, and bounded as follows:

On the North by _____;

On the East by _____;

On the South by _____; and

On the West by _____;

containing 19.75 acres, more or less, to a depth below the surface of the ground not to exceed 6500 feet, hereinafter called the "premises".

2. TO HAVE AND TO HOLD said premises for the purposes aforesaid during the term of one (1) year from the date hereof (called "Primary Term"), and as long thereafter as drilling or reworking operations for oil or gas are conducted thereon as hereinafter provided, or oil or gas is marketed therefrom, or this lease is extended by any subsequent provision hereof.

GERALD H. BROOKS
ATTORNEY AT LAW
WESTON, WEST VIRGINIA

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3. Lessee agrees to deliver to Lessors, in tanks, tank cars, or pipe lines, a royalty of one-eighth (1/8) of all oil produced and saved from the premises, and to pay to Lessors from the time and while gas therefrom is marketed, as royalty for all gas produced and marketed, the wholesale market value at the point of delivery to the purchasing utility company of one-eighth (1/8) of such gas, based on the usual wholesale price paid for gas at the well in the general locality of the premises. Provided, however, that if at any time during or after the primary term there is a gas well or wells on the premises, and gas is not being used or sold therefrom for a period of one year, due to lack of market or equipment, Lessee thereafter during such time that gas is not being sold therefrom, shall pay to said Lessors, the sum of Five Dollars (\$5.00) per day as shut-in royalty. Such shut-in royalty shall be due on or before the end of each month that said gas well or wells are shut in (the first period commencing on the 366th day of shut in) and payment or tender of such shut-in royalty shall have the same force and effect as production obtained from the premises under paragraph 2 hereof as to the extension of the term of this lease. Such shut-in royalty shall be paid to the royalty owners of the premises entitled thereto. However, no well shall remain shut-in for more than a period of two years; it being agreed that after two years of shut-in, a well is abandoned.

GERALD H. BROOKS
ATTORNEY AT LAW
WESTON, WEST VIRGINIA

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4. The Lessee covenants and agrees to pay to the landowner, as surface damage, One Thousand Dollars (\$1,000.00) for each well location site; said payment to be made upon the selection of the said site; and in addition thereto pay such actual damages, including damage to and loss of timber as caused by Lessee by the drilling and marketing the said oil and gas, including, but not limited to, roads, pipe lines and tank sites.

5. All payments under this lease may be made in cash or by check or draft payable to the order of Paul Herron, and sent by United States Mail, addressed to Paul Herron, 108 Brown Avenue, Weston, West Virginia, 26452, who is hereby nominated and constituted the agent and attorney-in-fact for the Lessors, their heirs, personal representatives and assigns, to accept, receive and receipt for all monies payable by Lessee hereunder. The first said royalty payment shall be paid within ninety (90) days from the date gas and/or oil is marketed from the said premises, and thereafter a payment each ninety (90) days so long as oil and/or gas is marketed from the said premises, or shut-in payments are to be made.

6. Lessors hereby covenant and agree that Lessee at its option, but without any obligation to do so, may pay and discharge any and all taxes, mortgages or other liens and encumbrances upon the premises in the event of default of payment by Lessors, and in that event Lessee shall be

subrogated to all the rights of the holder or holders of such mortgages or other liens and encumbrances, with full right to enforce the same, or may retain for the payment of such taxes, mortgages or other liens and encumbrances the royalties and/or rentals accruing hereunder.

7. If Lessors own a lesser interest in the oil and gas in the premises than the entire undivided fee simple estate then the rentals, royalties and shut-in royalties hereunder shall be paid to Lessors only in the proportion which Lessor's interest bears to the whole and undivided fee; however, if title to any interest in the premises should become owned by or revert to Lessors, their heirs, devisees, executors, administrators, or their successors in interest; this lease shall cover such interest or reversion; and rentals and royalties (and shut-in royalties if payable) hereunder shall be increased upon Lessor's compliance with paragraph 12 hereof and with the effect as provided in paragraph 12.

8. Lessee shall have the right to use, free of royalty or any other charge, gas, oil and water from the premises for drilling operations on the premises.

9. Lessee shall when so requested by Lessors, bury all pipe lines on cultivated portions of the premises,

except those used to conduct gas, oil, other liquid or gaseous hydrocarbons, or water to drilling wells.

10. The Lessors shall be entitled, at their sole risk and expense, to 200,000 cubic feet of gas per annum free of cost for use in one domestic dwelling from one producing gas well on said premises, provided that said well has sufficient pressure for such use. Lessors agree to pay Lessee a fair domestic rate for any gas in excess thereof. Lessee shall not be held liable for any accident or damage caused by Lessors said use of gas, nor shall Lessee be liable for any shortage or failure in supply of gas for said domestic use.

11. Lessee shall have the right at any time and from time to time before or within thirty (30) days after expiration of this lease, to remove all pipe lines, machinery, fixtures, equipment and other property placed by it on the premises, including the right to draw and remove casing.

12. This lease and all of the covenants and terms thereof shall extend to and bind the heirs, personal representatives, successors and assigns, of Lessors and Lessee. The estate of either party hereto may be assigned in whole or in part. It is provided, however, that no change of ownership in the premises (however accomplished,

GERALD H. BROOKS
ATTORNEY AT LAW
WESTON, WEST VIRGINIA

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including after acquired title or reversions) or in the rentals or royalties, or of the right to receive payments hereunder, whether by act of the parties or by operation of law, shall be binding on Lessee until thirty (30) days after Lessee has been furnished by Lessors, or Lessor's successor in interest, with evidence satisfactory to Lessee of such change of ownership or right to receive payments, including if effected by written instrument, the original recorded instrument or a copy thereof certified by the recording official.

13. In the event the Lessee is rendered unable, in whole or in part, by a force majeure to carry out its obligations under this agreement, other than to make payments of amounts due hereunder, its obligations so far as they are affected by such force majeure shall be suspended during the continuance of any inability so caused. The term "force majeure" as used herein shall be Acts of God, acts of the public enemy, wars, blockades, riots, or epidemics, not within the control of the Lessee and which by the exercise of due diligence Lessee is unable to overcome.

14. Lessee may defer payment of any sum due Lessors or to any payee hereunder, until the total sum due to Lessors or to such payee shall equal Three Dollars (\$3.00) whereupon payment shall promptly be made.

GERALD H. BROOKS
ATTORNEY AT LAW
VESTON, WEST VIRGINIA

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15. Lessee when in strict compliance with all of the terms and conditions of this lease may surrender this lease.

16. The term "gas" as used herein denotes gas in its natural state as produced from the well, including its content of liquid hydrocarbons and their constituent vapors and all other gases.

17. All expressed or implied covenants of this lease shall be subject to all Federal and State laws, executive orders, rules or regulations, and this lease shall not be terminated in whole or in part, nor shall Lessee be held liable in damages, for failure to comply therewith if compliance is prevented by, or if such failure is the result of, any such law, order, rule or regulation.

18. The consideration paid for this lease and/or any rentals and/or royalties or shut-in royalties paid by Lessee hereunder is accepted by Lessors as full and adequate consideration for all rights, options and privileges herein granted, including the right of surrender at any time and from time to time.

19. Neither this lease, nor any part hereof may be transferred, assigned, or encumbered without the prior written consent of the Lessors to any person, firm or corporation, except to Wayman W. Buchanan and his investors.

20. This lease states the entire contract between the parties and no representations or promise, verbal or written, on behalf of either party shall be binding unless contained herein. This contract shall be binding upon each of the parties who shall execute the same, regardless of whether or not all of the parties named as Lessors shall execute it.

IN WITNESS WHEREOF, the parties have signed, sealed and delivered this instrument as of the day and year first above written.

Paul Herron (SEAL)
PAUL HERRON, individually

ADA HERRON, JAMES L. HERRON, ELLEN HERRON, NORMAN ZINN, HAZEL MARIE HERRON, WILHEMENIA (Billie) JONES, FREDDIE C. JONES, ADA JEAN OLDAKER, WILLARD T. OLDAKER, LORALEE HERRON, RONDA H. HERRON, DANIEL W. HERRON, JR. and SONJA R. HERRON

BY Paul Herron
Paul Herron, their attorney-in-fact

Sara Sue Herron (SEAL)
LORALEE HERRON, as Guardian for Jonathan Tyler Herron

Ruth A. Eckes (SEAL)
RUTH A. ECKES, as Guardian for Kelley M. Herron

MORRIS EXPLORATION COMPANY

BY: Donald Wood

GERALD H. BROOKS
ATTORNEY AT LAW
WESTON, WEST VIRGINIA

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04/26/2024

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

I, Virginia A. Reed, a Notary Public in and for the county and state aforesaid, do hereby certify that PAUL HERRON, whose name is signed to the writing hereto annexed, individually and as Attorney-in-fact for Ada Herron, James L. Herron, Ellen Herron, Norman Zinn, Hazel Marie Herron, Wilhemenia (Billie) Jones, Freddie C. Jones, Ada Jean Oldaker, Willard T. Oldaker, Loralee Herron, Ronda H. Herron, Daniel W. Herron, Jr., and Sonja R. Herron, bearing date the 18th day of October, 1982, has this day acknowledged the same before me in my said county and state.

Given under my hand this 18th day of October, 1982.

My commission expires: September 6, 1988

Virginia A. Reed
NOTARY PUBLIC

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

I, Elizabeth J. Poundstone, a Notary Public in and for the county and state aforesaid, do hereby certify that LORALEE HERRON, as Guardian for Jonathan Tyler Herron, whose name is signed to the writing hereto annexed, has this day acknowledged the same before me in my said county and state.

Given under my hand this 11 day of October, 1982.

My Commission expires: July 29, 1984

Elizabeth J. Poundstone
NOTARY PUBLIC

GERALD H. BROOKS
ATTORNEY AT LAW
WESTON, WEST VIRGINIA

STATE OF WEST VIRGINIA,
COUNTY OFF UPPER, to-wit:

I, [Signature], a Notary Public in and for the county and state aforesaid, do hereby certify that RUTH A. ECKES, as Guardian for Kelley M. Herron, whose name is signed to the writing hereto annexed, bearing date the [Date] day of [Month], 1982, has this day acknowledged the same before me in my said county and state.

Given under my hand this [Date] day of [Month], 1982.

My commission expires: [Date]
[Signature]
NOTARY PUBLIC

(SEAL)

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

I, Virginia A Good, a Notary Public in and for the county and state aforesaid, do hereby certify that Donald L. Wood, whose name is signed to the writing hereto annexed, bearing date the 18th day of October, 1982, for MORRIS EXPLORATION COMPANY, a West Virginia corporation, has this day, before me, acknowledged the said writing to be the act and deed of said corporation.

Given under my hand this 18th day of October, 1982.

My commission expires: September 1, 1988
Virginia A Good
NOTARY PUBLIC

The hereir.above Lease was prepared by:

[Signature]

GERALD H. BROOKS
Attorney at Law
106 Bank Street
Weston, West Virginia 26452

GERALD H. BROOKS
ATTORNEY AT LAW
WESTON, WEST VIRGINIA

RECEIVED
JAN 27 1982

04/26/2024

OIL & GAS DIVISION
DEPT. OF MINES

1 9 8 2

PAUL HERRON, et al.

to

MORRIS EXPLORATION COMPANY

OIL AND GAS LEASE

Filed and admitted to record in the office
of the Clerk of the County Commission of Hutchins

County, W. Va. NOV 3 1982

19 at 10:55 o'clock A.M.

Recorded in Lease

Book No. 150 Page 159

Tester: *Spinda B. Moore, Jr.*
Clerk

GERALD H. BROOKS

ATTORNEY AT LAW
WESTON, WEST VIRGINIA

04/26/2024

A S S I G N M E N T

374

This Oil and Gas Property Assignment, made and entered into this 9th day of August, 1982, by and between CARL E. SMITH, INCORPORATED, a West Virginia corporation, party of the first part, ASSIGNOR, and MORRIS EXPLORATION COMPANY, a corporation, party of the second part, ASSIGNEE.

WITNESSETH, that for and in consideration of the sum of ten dollars (\$10.00) cash in hand paid, the receipt of which is hereby acknowledged, and the further considerations, covenants and conditions hereinafter set forth, the ASSIGNOR does hereby assign, sell, grant, convey, transfer and set-over unto the ASSIGNEE all of the right, title and interest of the ASSIGNOR in and to the oil and gas leasehold interests hereto attached as Exhibit A.

The terms of this assignment incorporate by reference all of the terms and conditions of a prior agreement between these parties setting forth in detail the obligations and rights of the parties with respect to the interest conveyed and other valuable consideration, all as set forth therein, and is expressly subject thereto insofar as the same may be applicable to the terms and conditions of this Assignment.

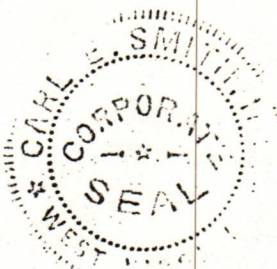
This Assignment is binding upon and will inure to the benefit of any successors and assigns of the parties.

This assignment is subject to a letter of agreement, signed this ninth day of August, 1982, by the parties hereto.

IN WITNESS WHEREOF, the ASSIGNOR has caused its corporate signature and seal to be affixed as of the day and date first hereinabove written.

CARL E. SMITH, INCORPORATED,
a West Virginia corporation

By Larry D. Smith
Vice President

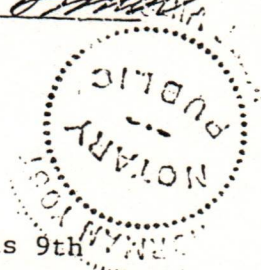


STATE OF WEST VIRGINIA,
COUNTY OF JACKSON, to-wit:

The foregoing instrument was acknowledged before me this 9th day of August, 1982, by Larry D. Smith, Vice President of CARL E. SMITH, INCORPORATED, a West Virginia corporation, to be the act and deed of said corporation.

My commission expires March 24, 1990

Norman L. Jost
Notary Public



This Document Prepared By:
Stephen L. Thompson, Esq.
Suite 612, Peoples Building
Charleston, WV

04/26/2024



OIL & GAS DIVISION
DEPT. OF MINES

Attached to and by reference made a part of that certain assignment of Oil and Gas leases dated August 9, 1982, between Carl E. Sniht, Inc., as Assignor, and Morris Exploration Company, as Assignee.

GRANT DISTRICT, RITCHIE COUNTY, WEST VIRGINIA

<u>Lease No.</u>	<u>LESSORS</u>	<u>Gross Acres</u>	<u>Date</u>	<u>Recorded Book/Page</u>
1801 A	H.P. McGinnis and Mary E. McGinnis, his wife by Howard H. McGinnis, Atty. in Fact for Mary E. McGinnis	101	4-14-77	123/67
1801B	Helen W. Light, widow	101	4-14-77	123/65
1802	Helen W. Light, widow	167.75	4-14-77	123/63
1805	Harvey C. and Diora G. Metz	187.5	4-28-77	123/552
2050	Mary Elizabeth Sewell, single Gordon J. and Florence Kibbee	27	6-7-80	131/447
3006A	C.K. and Virginia Dotson	102.5	6-27-78	125/571
3006B	Faybelle C. Coyne	102.5	6-27-78	125/573
3006C	Janet M. Cunningham, widow	102.5	4-6-82	142/822
3006D	Charles Cannon	102.5	4-6-82	144/274
3193	Shirley Rhinehart and Mary Rhinehart	175	12-10-80	133/374
3210A	Kenneth and Ida Little	19.75	1-19-82	141/3
3210B	W.M. Herron, Est. heirs; Ada Herron, Agent Power of Attorney	19.75	12-22-80	140/532
3211A	W.M. Herron, Est. heirs, Ada Herron, agent Power of Attorney	51	12-22-80	136/238
3211B	Mary L. and W.S. Gray	51	4-2-82	142/750
3218	Denver P. and Wilma L. Staley	10.5	3-5-81	134/699
3212	W. M. Herron, Est. Heirs; Ada Herron, Agent, Power of Attorney	23.5	12-22-80	136/236

CLAY DISTRICT, RITCHIE COUNTY, WEST VIRGINIA

<u>Lease No.</u>	<u>LESSORS</u>	<u>Gross Acres</u>	<u>Date</u>	<u>Recorded Book/Page</u>
3005A	C.K. and Virginia Dotson	150	6-27-78	125/567
3005B	Faybelle C. Coyne, single	150	6-27-78	125/569

UNION DISTRICT, RITCHIE COUNTY, WEST VIRGINIA

<u>Lease No.</u>	<u>LESSORS</u>	<u>Gross Acres</u>	<u>Date</u>	<u>Recorded Book/Page</u>
720	Willard R. and Sally MacAllaster	23	2-21-76	119/804
723	Willard R. and Sally MacAllaster	61	2-21-76	119/810

04/26/2024

RECEIVED

JAN 7 1983

OIL & GAS DIVISION
DEPT. OF MINES

CLAY DISTRICT, WIRT COUNTY, WEST VIRGINIA

<u>Lease No.</u>	<u>LESSORS</u>	<u>Gross Acres</u>	<u>Date</u>	<u>Recorded Book/Page</u>
2080	Ray A. and Ruth L. Deem	18	4-25-78	153/160

WALKER DISTRICT, WOOD COUNTY, WEST VIRGINIA

<u>Lease No.</u>	<u>LESSORS</u>	<u>Gross Acres</u>	<u>Date</u>	<u>Recorded Book/Page</u>
2081	Ray A. and Ruth L. Deem	167	4-25-78	704/184

04/26/2024

JUN 7 1983

OIL & GAS DIVISION
DEPT. OF MINES

MORRIS

Filed and admitted to record in the office
of the Clerk of the County Commission of Ritchie
County, W. Va. AUG 09 1982

19...at...2:15...Clock P M

Recorded in hearse

Book No. 147 Page 3/4

Enter: Synda B Moore
Clerk

04/26/2024

~~712~~

ASSIGNMENT OF OIL AND GAS LEASES

776 280 2582

STATE OF WEST VIRGINIA

KNOW ALL MEN BY THESE PRESENTS, THAT:

COUNTY OF KANAWHA

WHEREAS, MORRIS EXPLORATION COMPANY, having an address of 401 Peoples Building, Charleston, West Virginia, 25301, hereinafter called "Assignor", is the owner and holder of those certain Oil and Gas Leases covering lands in the State of West Virginia, as more particularly described in the schedule of leases attached hereto, marked Exhibit "A", and by reference made a part hereof.

NOW THEREFORE, Assignor, for and in consideration of the sum of Ten and No/100 Dollars (\$10.00) cash in hand paid by WAYMAN W. BUCHANAN, having an address of 444 Petroleum Commerce Building, San Antonio, Texas, 78205, hereinafter called "Assignee", and subject to further provisions set forth, has sold, assigned, transferred and conveyed and by these presents does sell, assign, transfer and convey unto Assignee all of the Assignor's right, title and interest in and to each and all of the Oil and Gas Leases described and referred to upon Exhibit "A", together with all rights thereunder and incident thereto, including any and all personal property located thereon or used in connection therewith.

TO HAVE AND TO HOLD unto Assignee, their successors, legal representatives and assigns, subject to the following reservations and agreements, to-wit:

Assignor hereby excepts from this Assignment and reserves and retains unto Assignor an overriding royalty on the oil and gas (including the respective constituent elements produced with the oil and gas) that may be produced, saved and sold from the land covered by said lease.

- (a) On Oil, Seven and One-half percent (7.5%) of 8/8 of all of that produced and saved, the same to be delivered at the wells or to the credit of Assignor into the pipeline to which the wells may be connected; and

04/26/2024

OIL & GAS DIVISION
DEPT. OF MINES

Mail: Morris Exploration Co.
414 People Bldg,
Charleston, W.Va. 25301

(b) On gas, including casinghead gas or other gaseous substances produced and sold or used off the premises or in the manufacture of gasoline, or other products therefrom, the market value at the well of Seven and One-half percent (7.5%) of 8/8 of all of the gas sold or used.

Assignee, Wayman W. Buchanan, accepts this assignment subject to the terms and conditions of that certain Letter of Agreement dated August 9, 1982, by and between Assignor and Carl E. Smith, and Assignee agrees to assume all of Assignor's rights, privileges, duties and obligations as set forth in said Agreement.

This Assignment is made without warrant of title, either express or implied, and is subject to all of the terms, stipulations, covenants and conditions of said Leases.

EXECUTED this 31st day of August, 1982.

(This instrument was prepared by Stephen E. Cain, 401 Peoples Building, Charleston, West Virginia, 25301.)

MORRIS EXPLORATION COMPANY
a corporation,

By: _____
Jim P. Morris
President

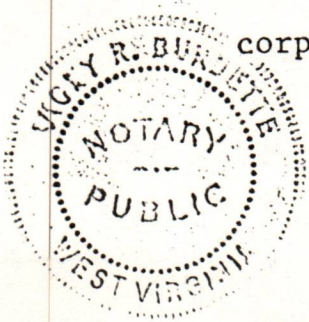
[Signature]

Wayman W. Buchanan

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

The foregoing instrument was acknowledged before me this 28th day of September, 1982, by Jim P. Morris, President of MORRIS EXPLORATION COMPANY, a corporation, and Wayman W. Buchanan.

My Commission Expires: December 1, 1990 **04/26/2024**



Prepared by:
Morris Exploration

[Signature]

NOTARY PUBLIC

28 232
BOOK 106 PAGE 146

~~734~~

EXHIBIT "A"

"Attached to and made a part of Assignment of Oil and Gas Leases dated August 31, 1982, by and between Morris Exploration Company, as Assignor, and Wayman W. Buchanan, as Assignee."

LEASE NUMBER	LESSORS	LEASE DATE	COUNTY	RECORDED BK/PG	GROSS ACRES
43-25A	C. K. Dotson, etux	06/27/78	Ritchie	125/567	150.00
43-25B	Faybelle C. Coyne, single	06/27/78	Ritchie	125/569	150.00
43-26A	H. P. McGinnis, etal	04/14/77	Ritchie	123/67	101.00
43-26B	Helen W. Light, widow	04/14/77	Ritchie	123/65	101.00
43-27A	Harvey C. Metz	04/28/77	Ritchie	123/552	187.50
43-28A	Mary E. Sewell, etal	06/07/80	Ritchie	131/447	27.00
43-29A	C. K. Dotson, etux	06/27/78	Ritchie	125/571	102.50
43-29B	Faybelle C. Coyne, single	06/27/78	Ritchie	125/573	102.50
43-29C	Janet M. Cunningham	04/06/82	Ritchie	142/822	102.50
43-29D	Charles F. Cannon, widower	04/06/82	Ritchie	144/274	102.50
43-30A	Shirley Rhinehart, etux	12/10/80	Ritchie	133/374	175.00
43-31A	W. M. Herron Heirs	12/22/80	Ritchie	140/532	19.75
43-31B	Kenneth Little, etux	01/19/82	Ritchie	141/3	19.75
43-32A	W. M. Herron Heirs	12/22/80	Ritchie	136/238	51.00
43-32B	Mary L. Gray, etux	04/02/82	Ritchie	142/750	51.00
43-33	Denver Staley, etux	03/05/81	Ritchie	134/699	10.50
43-20C	W. M. Herron Heirs	12/22/80	Ritchie	136/236	23.50
43-35	Willard R. MacAllaster	02/21/76	Ritchie	119/810	61.00
53-16	Ray A. Deem, etux	04/25/78	Wirt	153/160	18.00
43-36	Willard R. MacAllaster	02/21/76	Ritchie	119/804	23.00
54-5	Ray A. Deem, etux	04/25/78	Wood	704/184	167.00
43-24B	Helen W. Light, widow	04/14/77	Ritchie	123/63	167.75
43-37A					
43-26-1	Matilda M. Bailey	08/09/82	Ritchie	147/617	101.00
43-24-1	Matilda M. Bailey	08/09/82	Ritchie	147/621	167.75
43-25-1	Lucy Taylor	08/11/82	Ritchie	147/623	150.00
43-29-1	Lucy Taylor	08/11/82	Ritchie	147/619	102.50

BOOK 106 PAGE 142

STATE OF WEST VIRGINIA,

(Form CC No. 1)

Ritchie County Commission Clerk's Office, -----September 29th-----, 19--82----- at 9:00 o'clock A. M.
and Exhibit A attached
The foregoing writing, with the certificate of acknowledgment thereto, was this day admitted to record in said office.

Teste: Linda B. Mang, Clerk

RECEIVED

JAN 7 1983

04/26/2024

OIL & GAS DIVISION
DEPT. OF MINES

DEPT. OF...
OIL & GAS...
JUN 7 1983

770 280
1982

Received for Record on the 29 day of Sept.
1982 at 3:55 O'clock P.
Recorded in the Office of the Clerk of the County Com-
mission of Wirt County, W. Va.
In Deed Book No. 100 at page 144
Barbara Chapman
Clerk Wirt County Commission
300 PAID

Rec'd:
Pyramid Exploration Co.
114 Legline Bldg.
Charleston, W.V.
9-23-82

Filed and admitted to record in the office
of the Clerk of the County Commission of Ritchie
County, W. Va. SEP 29 1982
at 9:00 o'clock A.M.
in case
Book No. 148 Page 792
Filed by Linda B. Maxie
Clerk

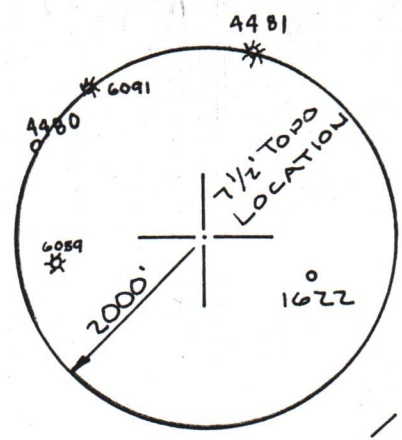
04/26/2024

11/7/83

8.300'

2.600'

LONGITUDE 81° 05' 00"



LATITUDE 39° 12' 30"

R. SIX 81.75 AC.

STONE & PTRS. I.P. (FOUND)

WESTVACO 71.75 AC.

15'

STONE PILE & PTRS. NEAR A BRANCH OF LOW GAP RUN

W.M. HERRON ESTATE 19.75 AC. D.B. 84-318 T.M. 31-19

S-82°38'E 204'

PROPOSED LITTLE No. 1

STONE PILE & PTRS. COR. TO ORIG. LANDS OF HUNTSMAN'S (FOUND)

28" W. OAK (FOUND)

F. McDONALD 40.63 AC.

NOTCHED HICKORY (FOUND)

M. LAYFIELD 900 AC.

FILE NO. F.B. 36
 DRAWING NO. 83002
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION EXIST. HAUGHTWELL No. 5191 EAST 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) Wayne Buchanan
 R.P.E. _____ L.L.S. 434

PLACE SEAL HERE

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



Department of Mines
 Oil & Gas Division

DATE JAN 6, 1983
 OPERATOR'S WELL NO. LITTLE No. 1
 API WELL NO. RELOCATION
47-085-6152
 STATE COUNTY PERMIT

Formerly: Rit-5990

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW

LOCATION: ELEVATION 1202.5 WATER SHED LOW GAP RUN
 DISTRICT GRANT COUNTY RITCHIE
 QUADRANGLE HARRISVILLE (7.5')

SURFACE OWNER W.M. HERRON ESTATE ACREAGE 19.75
 OIL & GAS ROYALTY OWNER 1/2 W.M. HERRON ESTATE & 1/2 K. LITTLE LEASE ACREAGE 19.75

LEASE NO. _____ 04/26/2024

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 DEMOKIAL SHALE ESTIMATED DEPTH 4800'
 WELL OPERATOR WAYMAN BUCHANAN DESIGNATED AGENT LEBOY HOPKINS
 ADDRESS SAN ANTONIO, TEXAS ADDRESS KENNA, W.VA.

RIT 6152