



1) Date: June 7, 19 83
 2) Operator's Well No. 231-1
 3) API Well No. 47 - 87 - 3815
 State County Perm

DRILLING CONTRACTOR:

Unknown

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 _____ / Underground storage _____ / Deep _____ / Shallow X)
- 5) LOCATION: Elevation: 952 / Watershed: Red Oak Run
 District: Harper / County: Roane / Quadrangle: Kentuck 7.5'
- 6) WELL OPERATOR Key Oil, Inc.
 Address P.O. Box 709
 Spencer, W.Va. 25276
- 7) OIL & GAS ROYALTY OWNER C. W. Hill Heirs et. al.
 Address 515 Everest Ave.
 St. Albans, W.Va. 25177
 Acreage 78
- 8) SURFACE OWNER D. H. White
 Address General Delivery
 Goldtown, W.V.
 Acreage 78
- 9) FIELD SALE (IF MADE) TO:
 Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Homer H. Dougherty
 Address Linden Route, Box 3-A
 Looneyville, WV 25259
- 11) DESIGNATED AGENT Joe McLaughlin
 Address P.O. Box 709
 Spencer, W.Va. 25276
- 12) COAL OPERATOR None
 Address _____
- 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Name None
 Address _____
- 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Name None
 Address _____
- 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, Marcellus Shale
- 17) Estimated depth of completed well, 5700 feet
- 18) Approximate water strata depths: Fresh, 200 feet; salt, 700 feet
- 19) Approximate coal seam depths: None Is coal being mined in the area? Yes

RECEIVED
JUN - 8 1983

OIL & GAS DIVISION
DEPT. OF MINES

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILLUP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	9 5/8	H-40	32.3	X		300'	300'	To surface	by Rule 15-05
Coal									Sizes
Intermediate	7	J-55	23	X		2,200'	2,200'	To surface	
Production	4 1/2	J-55	10.5	X		5,700'	5,700'	As needed	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 a 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: Charles Lewis
 My Commission Expires November 9, 1992

Signed: Joe McLaughlin
 Its: President

47-087-3815

OFFICE USE ONLY

August 16, 1983

DRILLING PERMIT

Permit number _____

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 proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires April 10, 1984 unless drilling is commenced prior to that date and prosecuted with due diligence

Bond: B	Agent: <u>ls</u>	Plat: <u>PL</u>	Casing: <u>CS</u>	Fcc: 958
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Michael Lewis
 Administrator, Office of Oil and Gas

2023/09/15



State of West Virginia

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Key Oil, Inc. P.O. Box 709, Spencer, WV
Address P.O. Box 709, Spencer, WV
Telephone 304-927-5490
LANDOWNER D. H. White
Address P.O. Box 709, Spencer, WV
Telephone 304-927-5490

DESIGNATED AGENT Joe McLaughlin
Address P.O. Box 709, Spencer, WV
Telephone 304-927-5490
SOIL CONS. DISTRICT Little Kanawha
Key Oil, Inc. (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 6-7-83
(Date)
Garrett Newborn (SCD Agent)

ACCESS ROAD
Structure Drainage Ditch (A)
Structure Diversion Ditch (1)
LOCATION

Spacing
Page Ref. Manual 2-12
Structure Cross Drains (B)
Structure Rip-Rap (2)
Material Earthen
Page Ref. Manual 2-12

Structure (C)
Page Ref. Manual 2-4
Structure
Material Stone
Page Ref. Manual 2-9

Structure (3)
Material
Page Ref. Manual
Structure
Material
Page Ref. Manual 2-9
Structure
Material
Page Ref. Manual 2-12

All structures should be inspected regularly and repaired if necessary and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

OIL & GAS DIVISION
DEPT. OF MINES

Treatment Area I & II

Lime Tons/acre
or correct to pH 6.5

Fertilizer lbs/acre
500
(10-20-20 or equivalent)

Mulch Hay or Straw 1.5-2.5 Tons/acre

Seed* Orchard Grass 12 lbs/acre
Ladino Clover 3 lbs/acre

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

NOTES: Please request treatment cooperation to protect new seeding for one growing season. Attach separate sheets as necessary for comments.

Treatment Area II
Lime Tons/acre
or correct to pH
Fertilizer lbs/acre
(10-20-20 or equivalent)
Mulch Tons/acre
Seed* lbs/acre

PLAN PREPARED BY Charles Maxwell of Key Oil, Inc.

ADDRESS P.O. Box 709
Spencer, WV 25276
PHONE NO. 304-927-5490

DATE June 7, 1983
WELL NO. 231-1
API NO. 47 - 87 - 3815

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.

Witness the hands and seals of the parties hereto the day and year first above written.

WITNESS:

Becca J. Geiger (SEAL)
(SEAL)
(SEAL)
(SEAL)
(SEAL)
(SEAL)
(SEAL)
(SEAL)

Maryland WEST VIRGINIA ACKNOWLEDGMENT

STATE OF WEST VIRGINIA Maryland
COUNTY OF Frederick

To-wit:

I, George D. Basford, a Notary Public of said County, do hereby certify that

whose name Becca J. Geiger signed to the within writing bearing date the 16th day of December, 1981

has this day acknowledged the same before me in my said County.

Given under my hand this 21st day of December, 1981

My Commission expires July 1, 1982 George D. Basford Notary Public

WEST VIRGINIA ACKNOWLEDGMENT

STATE OF WEST VIRGINIA
COUNTY OF

To-wit:

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

whose name signed to the within writing bearing date the day of 19
has this day acknowledged the same before me in my said County.

Given under my hand this day of 19

My Commission expires Notary Public

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

This instrument prepared by m & j Joint Venture, Spencer, W.Va.

Table with columns: Term, County, Location, Acres, Date, Stand.

STATE OF WEST VIRGINIA, ROANE COUNTY COMMISSION CLERK'S OFFICE, 28 December 1981 10:42 A.M.

Book No. 162

The foregoing instrument together with the certificate thereto annexed, was admitted to record in said office. 09/15/2023

File No. 13045

GENE M. ASHLEY, Clerk
By Carolyn Scarbro Deputy

Fees \$ 4.50

OIL AND GAS LEASE

#231

AGREEMENT, made and entered into this 16th day of December A. D. 1981 by and between Becca J. Geiger, single

of Frederick, Maryland 21701 party of the first part, hereinafter called Lessor (whether one or more), and M & J Joint Venture, a partnership 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 Harper District, County of Roane, State of West Virginia, and described as follows, to-wit: Bounded on the

NORTH by lands of E. I. Skeen

EAST by lands of E. B. Summers

SOUTH by lands of Joseph Payne

WEST by lands of Romie Parsons

Containing seventy-eight (78) acres, more or less and being the same land conveyed to lessor by

by deed dated and

recorded in said county records in Book No. Page

2. It is agreed that this lease shall remain in force for a primary term of five (5) 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 Their proportionate share of the equal one-eighth (1/8) part of all gas produced and saved.

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 December 16, 1981, unless Lessee pays thereafter a rental of \$5.00 per acre per year for each 12 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 Becca J. Geiger direct, or by check payable to his (or her) order mailed to 490 Carrollton Drive, Frederick, Maryland 21701 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 cancelation, 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 registered 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 the 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.

Case 927-2991 (18)

JHJ BJD JHJ

09/15/2023

OIL AND GAS LEASE

BOOK 162 PAGE 87

231

AGREEMENT, made and entered into this 17th day of NOVEMBER A. D. 1981

by and between CHARLES W. HILL JR AND BETTY JO HILL - HIS WIFE

of CHARLESTON, W. VA. 25302 party of the first part, hereinafter called Lessor (whether one or more), and M & J JOINT VENTURE A PARTNERSHIP 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 HARPER District, County of ROANE, State of WEST VIRGINIA, and described as follows, to-wit: Bounded on the

NORTH by lands of E. I. SKEEN

EAST by lands of F. B. SUMMERS

SOUTH by lands of J. JOSEPH PAYNE

WEST by lands of ROMIE PARSONS

Containing SEVENTY EIGHT (78) acres, more or less and being the same land conveyed to lessor by

by deed dated and recorded in said county records in Book No. Page

2. It is agreed that this lease shall remain in force for a primary term of FIVE (5) 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

THE EQUAL ONE-EIGHTH (1/8) PART OF ALL GAS PRODUCED AND SAVED FROM LEASED PREMISES 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 NOV 17, 1981, unless Lessee pays thereafter a rental of FIVE DOLLARS PER ACRE for each 12 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 CHARLES W. HILL JR direct, or by check payable to his (or her) order mailed to 515 Everest Avenue, St. Albans, W. Va. 25177 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 the 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.

Partial Revision of Paragraph 12. This surrender may be made to the above Lessor, or any one of the heirs or assigns of the above Lessor 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

THIS DOCUMENT PREPARED BY M & J JOINT VENTURE A PARTNERSHIP

09/15/2023

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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.

Witness the hands and seals of the parties hereto the day and year first above written.

WITNESS:

_____ (SEAL)
 _____ (SEAL)
 _____ (SEAL)
 _____ (SEAL)
 _____ (SEAL)
 _____ (SEAL)
 _____ (SEAL)
 _____ (SEAL)

WEST VIRGINIA ACKNOWLEDGMENT

STATE OF WEST VIRGINIA
 COUNTY OF Roane } To-wit:
 I, Terri F. Nancy, a Notary Public of said County, do hereby certify that Charles H. Hill and Betty Jo Hill - HIS WIFE whose name s signed to the within writing bearing date the 17th day of November, 1981 have this day acknowledged the same before me in my said County.
 Given under my hand this 3rd day of December, 1981.
Terri F. Nancy
 Notary Public
 My Commission expires March 12, 1990

WEST VIRGINIA ACKNOWLEDGMENT

STATE OF WEST VIRGINIA
 COUNTY OF _____ } To-wit:
 I, _____, a Notary Public of said County, do hereby certify that _____ whose name _____ signed to the within writing bearing date the _____ day of _____, 19____ ha _____ this day acknowledged the same before me in my said County.
 Given under my hand this _____ day of _____, 19____.

 Notary Public
 My Commission expires _____

OHIO ACKNOWLEDGMENT

STATE OF OHIO, } SS.
 COUNTY OF _____
 STATE OF WEST VIRGINIA,
 ROANE COUNTY COMMISSION CLERK'S OFFICE, 28 December 1981 10:47 A.M.
 Book No. 162
 The foregoing instrument together with the certificate thereto annexed, was this date admitted to record in said office.
 File No. 12054
 Fees \$ 4.50
 GENE M. ASHLEY, Clerk
 By Carolyn Scarbro Deputy

ADMITTED TO RECORD
 DEC 28 AM 10:47
 GENE M. ASHLEY
 CLERK
 ROANE COUNTY, W. VA.

CASTO & HARRIS INC., SPENCER, W. VA. RE-ORDER NO. 77978

RECORDING DATA:

TO

Oil and Gas Lease

(Standard Ohio & W. Va.)

09/15/2023

Date: _____, 19____

Acres: _____

Location: _____

County: _____ State: _____

Term: _____

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.

Witness the hands and seals of the parties hereto the day and year first above written.

WITNESS:

Witness lines with signatures of Joseph N. Hill and John Hill, each followed by a (SEAL) label.

WEST VIRGINIA ACKNOWLEDGMENT

STATE OF WEST VIRGINIA

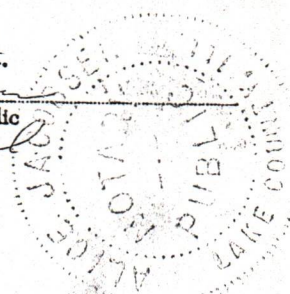
COUNTY OF Lake

To-wit:

I, Alice Jacobsen, a Notary Public of said County, do hereby certify that Joseph N. Hill and John Hill whose name signed to the within writing bearing date the 16th day of December, 1981 ha this day acknowledged the same before me in my said County. Given under my hand this 25 day of Jan, 1982.

My Commission expires Aug. 3, 1983

Signature of Alice Jacobsen, Notary Public, Round Lake, Ill.



WEST VIRGINIA ACKNOWLEDGMENT

STATE OF WEST VIRGINIA

COUNTY OF

To-wit:

I, a Notary Public of said County, do hereby certify that whose name signed to the within writing bearing date the day of 19 ha this day acknowledged the same before me in my said County. Given under my hand this day of 19.

My Commission expires

Notary Public

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

This instrument M & J Joint Venture Partnership Spencer, W.V.A. 25276.

RECORDED TO RECORD FEB 2 1982 Seal 163

Table with columns: Term, County, Location, Acres, Date, TO, TO. Includes 'RECORDING DATE' and 'Oil and Gas' text.

STATE OF WEST VIRGINIA, ROANE COUNTY COMMISSION CLERK'S OFFICE, 2 February 1982 1:34 P.

Book No. 163

The foregoing instrument together with the certificate thereto annexed, was this date admitted to record in said office.

OIL AND GAS LEASE

#231

AGREEMENT, made and entered into this 16th day of December A. D. 19 81
by and between Joseph W. Hill and Lois Hill, his wife

of 31 Oakbrook, Columbia, Mo. 65201 party of the first part, hereinafter called Lessor (whether one or more),
and M & J Joint Venture, a partnership 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 Harper District,
County of Roane, State of West Virginia, and described as follows, to-wit: Bounded on the

NORTH by lands of E. I. Skeen

EAST by lands of E. B. Summers

SOUTH by lands of Joseph Payne

WEST by lands of Romie Parsons

Containing seventy-eight (78) acres, more or less and being the same land conveyed to lessor by
by deed dated _____ and
recorded in said county records in _____ Book No. _____ Page _____

2. It is agreed that this lease shall remain in force for a primary term of five (5) 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 ($\frac{1}{8}$) part of all oil produced and saved from the leased premises, and shall pay Lessor their proportionate share of the equal one-eighth ($\frac{1}{8}$) part of all gas produced and saved.

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 December 16, 19 81 unless Lessee pays thereafter a rental of \$5.00 per acre per year for each 12 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 Joseph W. Hill direct, or by check payable to his (or her) order mailed to 31 Oakbrook, RR9, Columbia, Mo. 65201 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 the 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.H.J.
J.W.
J.W.

09/15/2023

B-11



State of West Virginia

BARTON B. LAY, JR.
DIRECTOR

Department of Mines
Oil and Gas Division
Charleston 25305

THEODORE M. STREIT
ADMINISTRATOR

February 19, 1985

Key Oil Company
P. O. Box 709
Spencer, WV 25276

In Re: Permit No:	<u>47-087-3815</u>
Farm:	<u>D. H. White</u>
Well No:	<u>231-1</u>
District:	<u>Harper</u>
County:	<u>Roane</u>
Issued:	<u>8-10-83</u>

Gentlemen:

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

XXXXX The well designated by the above captioned permit number has been released under your Blanket Bond. (PERMIT CANCELLED - NEVER DRILLED)

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

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

Very truly yours,

Theodore M. Streit, Administrator
Dept. Mines-Office of Oil & Gas

TMS/nw

09/15/2023

B-12

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
STATUS INSPECTION REQUEST
INSPECTOR'S COMPLIANCE REPORT

Permit No. 087-3815 County. Roane
Company. Key Oil, Inc. Farm. D. H. White
Inspector. Homer Dougherty Well No. 231-1
Date. September 19, 1984 Issued. 8-10-83

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	_____	_____
23.02	Maintained Access Roads	_____	_____
25.01	Necessary Equipment to prevent Waste	_____	_____
23.03	Reclaimed Drilling Site	_____	_____
23.04	Reclaimed Drilling Pits	_____	_____
23.05	No Surface or Underground Pollution	_____	_____
7.03	Identification Markings	_____	_____

RECEIVED
FEB 18 1985
OIL & GAS DIVISION
DEPT. OF MINES

COMMENTS: Please issue final on cancellation if location is okay. Permit
expired on 4-10-84 and company says well was not drilled.

I have inspected the above well and (~~Have/Have Not~~) found it to be in compliance with all of the rules and regulations of the Office of Oil and Gas-Department of Mines of the State of West Virginia.

SIGNED: Homer H. Dougherty
DATE: 2/13/85

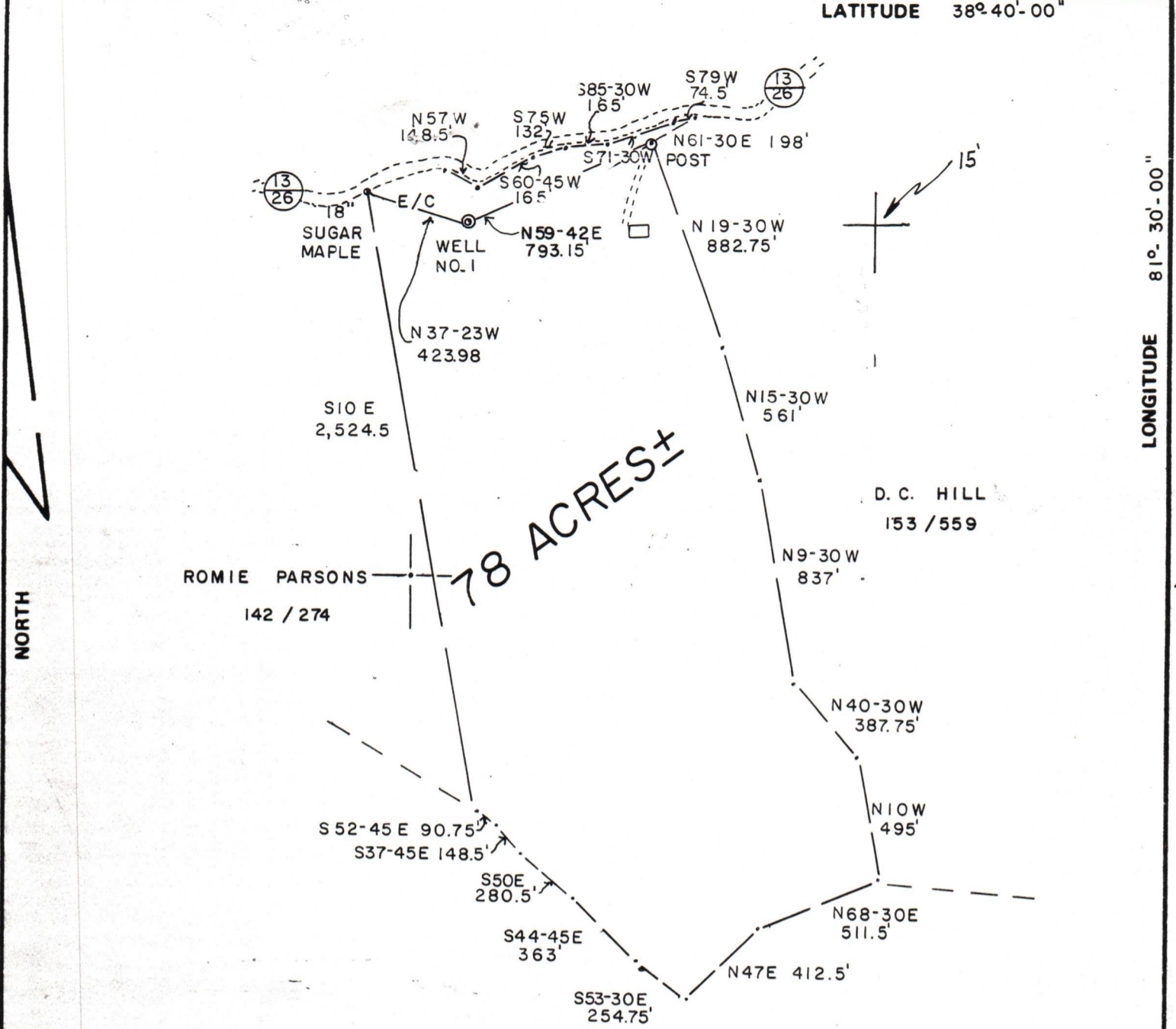
09/15/2023

7-18-83

10150'

LATITUDE 38° 40' 00"

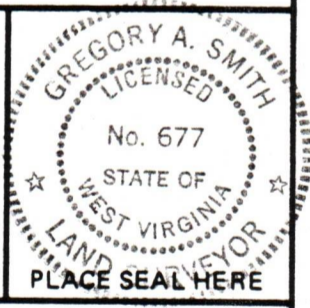
LONGITUDE 81° 30' 00"



HILL HEIRS LEASE WELL NO. 1

FILE NO. 7-16
 DRAWING NO. _____
 SCALE 1" = 600'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION B. M. Elev = 950'

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) Gregory A. Smith
 R.P.E. _____ L.L.S. 677



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



DATE APRIL 9, 19 82
 OPERATOR'S WELL NO. 1 (one)
 API WELL NO. _____
47 - 087 - 3815
 STATE COUNTY PERMIT
cancelled

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 952 WATER SHED RED OAK RUN
 DISTRICT HARPER COUNTY ROANE
 QUADRANGLE KENTUCK 7.5'
 SURFACE OWNER D. H. WHITE ACREAGE 78
 OIL & GAS ROYALTY OWNER C. W. HILL HEIRS ET AL LEASE ACREAGE 78 09/15/2023
 LEASE NO. 231
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 5152'
 WELL OPERATOR KEY OIL COMPANY DESIGNATED AGENT JOE Mc LAUGHLIN
 ADDRESS P.O. BOX 709 ADDRESS P.O. BOX 709
SPENCER, W. V. 25276 SPENCER, W. V. 25276