



1) Date: June 6, 198
 2) Operator's Well No. 644-1
 3) API Well No. 47 - 87 - 3842
 State WV County Roane Permi

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 / Gas
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 848' Watershed: Pocatalico River
 District: Harper County: Roane Quadrangle: Kettle 7.5'
- 6) WELL OPERATOR Key Oil, Inc. 11) DESIGNATED AGENT Joe McLaughlin
 Address P.O. Box 709 Address P.O. Box 709
Spencer, W.Va. 25276 Spencer, W.Va. 25276
- 7) OIL & GAS ROYALTY OWNER George Moffatt et, al. 12) COAL OPERATOR None
 Address Box 38 Address _____
Walton, W.Va. 25286
- 8) SURFACE OWNER Velma Moffatt 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address N/A Name None
 Acreage 10 Address _____
 Name _____
 Address _____
- 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
- 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, 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 / No

RECEIVED
JUN - 8 1983

OIL & GAS DIVISION
DEPT. OF MINES

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									Kinds
Fresh water	9 5/8	H-40	32.3	X		300'	300'	To surface	by cut 1505
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 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: Charles Lewis Marshall
 My Commission Expires November 9, 1992

Signed: Joe M. Laughlin
 Its: President

47-087-3842

OFFICE USE ONLY

August 10, 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 the 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: <u>B</u>	Agent: <u>ls</u>	Plat: <u>AS</u>	Casing: <u>AS</u>	Fee: <u>958</u>
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Robert Stewart
 Administrator, Office of Oil and Gas

- 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

09/15/2023


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


Date: _____, 19_____

By _____

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE _____

LEGEND












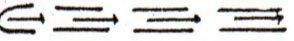
Well Site 

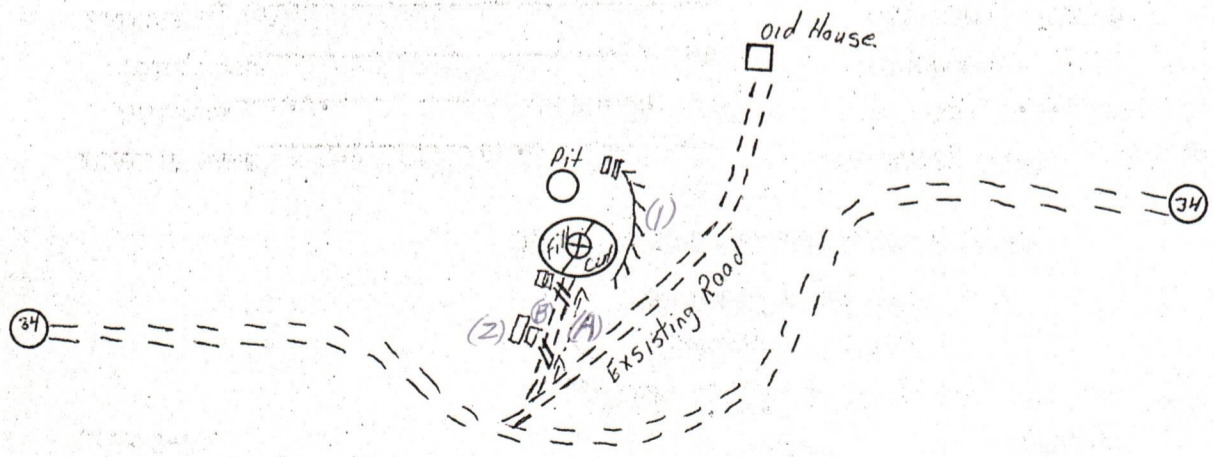
Access Road 

WELL SITE PLAN

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

LEGEND

Property boundary 	Diversion 
Road 	Spring 
Existing fence 	Wet spot 
Planned fence 	Building 
Stream 	Drain pipe 
Open ditch 	Waterway 



09/15/2023

23/05/1960



State of West Virginia

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

DESIGNATED AGENT Joe McLaughlin

Address P.O. Box 709 Spencer, W.V. 25276

Telephone 304-927-5490

SOIL CONS. DISTRICT Little Kanawha

(Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections

and additions become a part of this plan:

(Date)

8-20-82

(SCD Agent)

Janet Newton

ACCESS ROAD

Structure Drainage Ditch (A)

Spacing N/A

Page Ref. Manual 2-12

Structure Cross Drains (B)

Spacing 135'

Page Ref. Manual 2-1

Structure (C)

Spacing

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

OIL & GAS DIVISION
DEPT. OF MINES

Treatment Area II

Lime Tons/acre

or correct to pH 6.5

Fertilizer lbs/acre

500

(10-20-20 or equivalent)

Mulch Tons/acre

Silva-fiber

Seed* KY, 31 Tall Rescue 20 lbs/acre

Flatpea 20 lbs/acre

lbs/acre

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

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

PLAN PREPARED BY Key Oil, Inc. Doug McDonald

ADDRESS P.O. Box 709

Spencer, W.V. 25276

PHONE NO. 304-927-5490

lbs/acre

lbs/acre

Seed* lbs/acre

Mulch Tons/acre

Fertilizer lbs/acre

(10-20-20 or equivalent)

Lime Tons/acre

or correct to pH

Moffatt Lease NO. 644
10 acres
Harper District
Waters of Pocatalico River

457000m E 458 459 27'30" 461



09/15/2023

Kettle, w.v. Quad

13. 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:

x George Moffatt (SEAL)
x Gertrude Moffatt (SEAL)
(SEAL)
(SEAL)
(SEAL)
(SEAL)
(SEAL)
(SEAL)

WEST VIRGINIA ACKNOWLEDGMENT

STATE OF WEST VIRGINIA

COUNTY OF Roane

To-wit:

I, Joseph W. Floyd a Notary Public of said County, do hereby certify that George Moffatt and Gertrude Moffatt, husband + wife whose name one signed to the within writing bearing date the 15 day of April, 1982 has on this day acknowledged the same before me in my said County.

Given under my hand this 15 day of April, 1982

My Commission expires Feb 23, 1992

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____

Notary Public

My Commission expires _____

OHIO ACKNOWLEDGMENT

STATE OF OHIO,

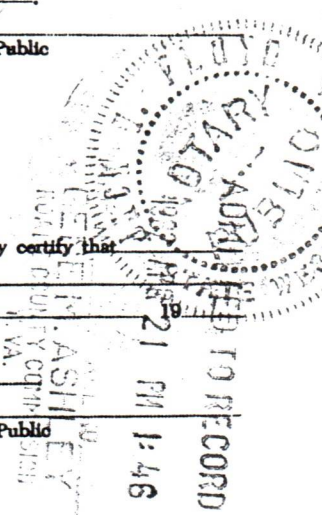
COUNTY OF _____

SS.

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

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

My Commission _____



STATE OF WEST VIRGINIA, ROANE COUNTY COMMISSION CLERK'S OFFICE, 21 April 1982 1:46 P.

Book No. 165

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

File No. 14151

Fees \$ 3.00

GENE M. ASHLEY, Clerk
By Carolyn Batten Deputy

JOINT VENTURE
(Va.)
Gas Lease
TO _____
_____ 19____
NG DATA: _____
State _____
09/15/2023

SPENCER BUSINESS FORMS CO., INC.

This instrument prepared by M & J JOINT VENTURE, Spencer, W. Va.

09/15/2023

AGREEMENT, made and entered into this 15 day of August, A.D. 1982, by and between *George M. Hight and Sherrill M. Hight, husband and wife* and *M & J JOINT VENTURE, A Partnership* party of the first part, hereinafter called Lessor (whether one or more), of *Robertville, W. Va.* and *Spencer, W. Va.* party of the second part, hereinafter called Lessee;

NORTH by lands of *W. M. Hight* EAST by lands of *W. M. Hight* SOUTH by lands of *W. M. Hight* WEST by lands of *W. M. Hight* On Waters of *Rocky Run* Containing *15.7* acres, more or less.

2. It is agreed that this lease shall remain in force for a primary term of *(2) Two* years from this date and as long thereafter as operations for oil or gas are being conducted on the premises, or oil or gas is found in paying quantities thereon.

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) of all gas produced and saved from the 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 *5/15/82* unless Lessee pays thereafter a rental of *\$500* per acre, for each *(17) Twelve* 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 not been interrupted.

5. All moneys coming due hereunder shall be paid or tendered to *James* direct, or by check payable to his (or her) order mailed to *James* 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. 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.

8. 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.

9. 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.

10. 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 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 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.

11. 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.

12. 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.

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

WITNESS:

X Donald E. Harper (SEAL)
Donald E. Harper (SEAL)
X Eileen F. Harper (SEAL)
Eileen F. Harper (SEAL)
(SEAL)
(SEAL)
(SEAL)
(SEAL)

ADMITTED TO RECORD
02 JUL - 1 PM 1:47
GENE M. ASHLEY
CLERK
ROANE COUNTY, W. VA.

WEST VIRGINIA ACKNOWLEDGMENT

STATE OF WEST VIRGINIA

COUNTY OF Roane

To-wit:

I, Donald E. Harper + Eileen F. Harper, a Notary Public of said County, do hereby certify that whose name and signed to the within writing bearing date the 17 day of May, 1982 ha this day acknowledged the same before me in my said County. Given under my hand this 17 day of June 1982

My Commission expires Feb 23, 1992

Joseph W. Lloyd
Notary Public

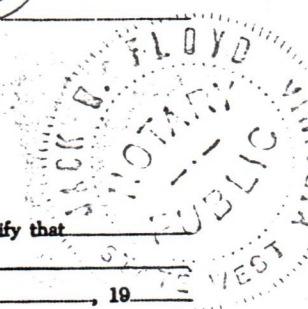
WEST VIRGINIA ACKNOWLEDGMENT

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



STATE OF WEST VIRGINIA, ROANE COUNTY COMMISSION CLERK'S OFFICE, 1 July 1982 1:47 P.M.

Book No. 167

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

File No. 15518

Fees \$ 3.00

GENE M. ASHLEY, Clerk
By Carolyn Scarbaw Deputy

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

I hereby certify the foregoing instrument, and that the same is free act and deed. In testimony whereof I have hereunto subscribed my name at day of 19 My Commission expires

Notary Public

RECORDING DATA:
Date 19
Acres
Location
County State
Term
TO
Oil and Gas Lease
M & J JOINT VENTURE
(Standard Ohio & W. Va.)
09/15/2023

AGREEMENT, made and entered into this 17 day of May, A.D. 1982, by and between Donald E. Harper and Eilene F. Harper, husband and wife

704 Jeffrey N. W. Massillon, Ohio 44646 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; 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 and thereto by pipe lines or otherwise; said land being situated in Harper District, County of Roane State of West Virginia, and described as follows, to-wit: Bounded on the NORTH by lands of G.T. Harper EAST by lands of J.M. Moore SOUTH by lands of G.M. Walker D.C. Hunt WEST by lands of Poca River On Waters of 10 Acres Containing

2. It is agreed that this lease shall remain in force for a primary term of (2) Two years from this date and as long thereafter as operations for oil or gas are being conducted on the premises, or oil or gas is found in paying quantities thereon.

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) of all gas produced and saved from the 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 May 17, 1982, unless Lessee pays thereafter a rental of \$5.00 per acre (12) twelve 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 not been interrupted.

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

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

7. 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.

8. 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.

9. 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 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.

10. 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 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 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.

11. 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.

12. 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 it is produced in paying quantities.

This instrument prepared by M & J JOINT VENTURE, Spencer, W. Va.

5/15/2023

13. 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:

M. Mayzel & Harper Conley (SEAL)
O.M. Conley (SEAL)

ADMITTED TO RECORD

1992 JUL -1 PM 1:47

GENE M. ASHLEY
ROANE COUNTY COMMISSIONER
W. VA.

WEST VIRGINIA ACKNOWLEDGMENT

STATE OF WEST VIRGINIA

COUNTY OF Roane

To-wit:

I, Judith M. [Signature] a Notary Public of said County, do hereby certify that

whose name M. Mayzel & Harper Conley & O.M. Conley signed to the within writing bearing date the 30 day of June, 1982

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

Given under my hand this 30 day of June, 1982

Judith M. [Signature]
Notary Public

My Commission expires Feb 23 1992

WEST VIRGINIA ACKNOWLEDGMENT

STATE OF WEST VIRGINIA

COUNTY OF _____

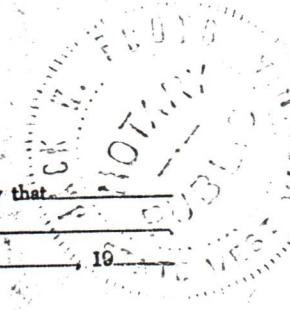
To-wit:

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____



STATE OF WEST VIRGINIA, ROANE COUNTY COMMISSION CLERK'S OFFICE, 1 July 1982 1:47 P M.

Book No. 167
The foregoing instrument together with the certificate thereto annexed, was this date admitted to record in said office.

File No. 15519

Fees \$ 3.00

GENE M. ASHLEY, Clerk
By Carolyn [Signature] Deputy

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

whereof I have hereunto subscribed my name at _____ this _____ day of _____, 19____

My Commission expires _____
Notary Public

M & J JOINT VENTURE
(Standard Ohio & W. Va.)
Oil and Gas Lease

TO

Date _____ 19____

Acres _____

Location _____

County _____ State _____

Term _____

RECORDING DATA:

09/15/2023

This instrument prepared by M & J JOINT VENTURE, Spencer, W. Va.

2023/15/16

Spencer, W. Va., 25276 of M & J JOINT VENTURE, A Partnership party of the second part, hereinafter called Lessor (whether one or more), and M & J JOINT VENTURE, hereinafter called Lessee; 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 and there to by pipe lines or otherwise; said land being situated in Harper District, County of Roane, State of West Virginia, and described as follows, to-wit; Bounded on the NORTH by lands of G. T. Harper EAST by lands of J. M. Moore SOUTH by lands of Sara Hinely and G. M. Walker WEST by lands of D. C. Hunt On Waters of Poca River Containing 4 acres, more or less.

2. It is agreed that this lease shall remain in force for a primary term of (2) Two years from this date and as long thereafter as operations for oil or gas are being conducted on the premises, or oil or gas is found in paying quantities thereon. 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) of all gas produced and saved from the 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 June 30 1982 unless Lessee pays thereafter a rental of \$5.00 per acre for each (12) twelve 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 not been interrupted. 5. All moneys coming due hereunder shall be paid or tendered to Lessor

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 nor shall Lessee be liable for any shortage or failure in the supply of gas for said domestic use. 7. 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 in the proportion which his interest bears to the whole and undivided fee. 8. 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 or 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. 9. 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. 10. 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 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 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. 11. 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. 12. 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



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: 47-087-3842

Farm: Velma Moffatt

Well No: 644-1

District: Harper

County: Roane

Issued: 8-10-83

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. Strait, Administrator
Dept. Mines-Office of Oil & Gas

TMS/nw

09/15/2023

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

Permit No. 087-3842 County. Roane
Company. Key Oil, Inc. Farm. Velma Moffatt
Inspector. Homer Dougherty Well No. 644-1
Date. September 20, 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.

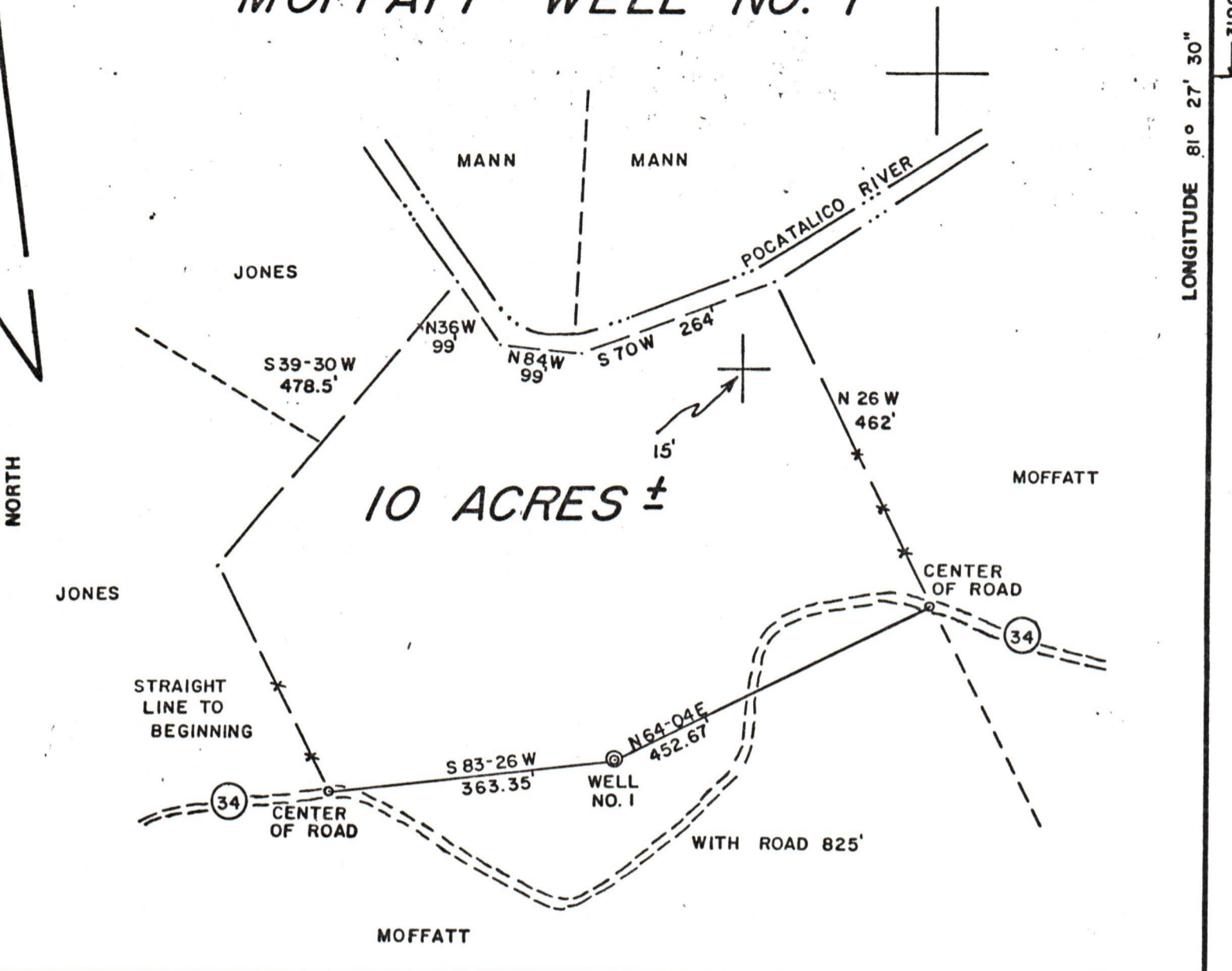
SIGNED: Homer H. Dougherty
DATE: 2/13/85

09/15/2023

RECEIVED
SEP 14 1993
DEPT. OF MINES

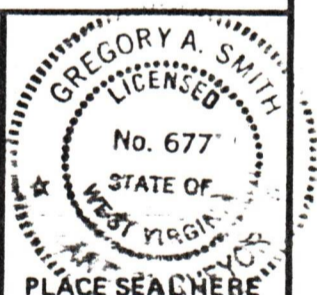
09/15/2023

MOFFATT WELL NO. 1



FILE NO. 8-19
 DRAWING NO. _____
 SCALE 1" = 200'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS
 ELEV. 963

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)



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE JULY 31, 19 82
 OPERATOR'S WELL NO. 1
 API WELL NO. _____
47 087 - 3842
 STATE COUNTY PERMIT
Cancelled

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 848' WATERSHED POCOTALICO RIVER
 DISTRICT HARPER COUNTY ROANE
 QUADRANGLE KETTLE 7.5'
 SURFACE OWNER VELMA MOFFATT ACREAGE 10
 OIL & GAS ROYALTY OWNER GEORGE MOFFATT, et. al. LEASE ACREAGE 10
 LEASE NO. 644
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

09/15/2023

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 5050'
 WELL OPERATOR KEY OIL, INC DESIGNATED AGENT JOE McLAUGHLIN
 ADDRESS P. O. BOX 709 ADDRESS P. O. BOX 727
SPENCER, W.V. 25276 SPENCER, W.V. 25276