

RECEIVED

NOV - 9 1984



1) Date: October 11, 1984
 2) Operator's Well No. Cale #1
 3) API Well No. 47 - 105 - 1154
 State County Permit

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
 APPLICATION FOR A WELL WORK PERMIT

OIL & GAS DIVISION
 DEPT. OF MINES

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 685' Watershed: Little Kanawha River
 District: Elizabeth County: Wirt Quadrangle: Elizabeth 7 1/2'
- 6) WELL OPERATOR Western Reserve Oil & Gas Co., Ltd DESIGNATED AGENT Donna E. Spencer
 Address 7845 Emerson Avenue 53025 Address 7845 Emerson Avenue
Parkersburg, WV 26101 Parkersburg, WV 26101
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Homer Daughtery (304) 927-4591
 Address _____
- 9) DRILLING CONTRACTOR: Name Gene Stalnaker, Inc. CLINT HURT & ASSOC.
 Address P O Box 178
Glenville, WV 26351
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Devonian Shale
 12) Estimated depth of completed well, 5990 feet
 13) Approximate strata depths: Fresh, 260 feet; salt, _____ feet.
 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes / No /
- 15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	11 3/4				X	100	100	CTS Sherry 6/18 ARW Per Cause No. 76 Order No. 1	\$15.03
Fresh water									
Coal									
Intermediate	8 5/8	CW	2613	X		885	885	100 SX	
Production	4 1/2	ERW	10.5	X		5990	5990	350 SX	Depths set
Tubing									OR AS REQ. BY RULE
Liners									Perforations: 15.01
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-105-1154

November 9, 1984
 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. 8) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.
 Permit expires November 9, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent: ✓	Plat:	Casing	Fee
170	MW	MW	MW	169

Margaret J. Hasse
 Administrator, Office of Oil and Gas

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



RECEIVED
1988

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

OFFICE USE ONLY

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

1) LOCATION: Elevation: 605', District: Blaine, County: Wayne, Water: Little Kanawha River

2) WELL OPERATOR: Western Reserve Oil & Gas Co., Inc. 7845 Emerson Avenue, Parkersburg, WV 26101

3) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: Homer Dougherty (304) 327-4591

4) PROPOSED WELL WORK: Depth: 540', Test: 5990'

5) GEOLOGICAL TARGET FORMATION: Devonian Shale

6) APPROXIMATE COMPLETION DEPTH: 540'

7) CASING AND LOGGING PROGRAM

DEPTH (FEET)	LOGGING	TEST	FOOTAGE INTERVALS	CEMENT PLUG
11 3/4'		X	100'	100'
8 5/8' CW	2613	X	882'	882'
42'	10.3	X	2990'	370 SX

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

Date	Date(s)
Application received	Follow-up inspection(s)
Well work started	" "
Completion of the drilling process	" "
Well Record received	" "
Reclamation completed	" "

OTHER INSPECTIONS

Reason: 774004/10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100

Reason: _____

02/16/2024

1) Date: October 11, 19 84
2) Operator's Well No. Cale #1
3) API Well No. 47-105-1154
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED
(i) Name Clyde & Virginia Cale
Address Rt. 3
Elizabeth, WV 26143
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR _____
Address _____
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name NONE
Address _____
Name _____
Address _____
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

6) 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.)

7) ROYALTY PROVISIONS
Is the right to extract, produce or market the oil or gas based upon a lease or leases or other 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.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.



The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by Donna E. Spencer this 11 day of October, 1984. My commission expires 1-26, 1994.

Luck Lee Mardock
Notary Public, Wood County,
State of West Virginia

WELL OPERATOR Western Reserve Oil & Gas Co., Ltd.
By Donna E. Spencer
Its Designated Agent
Address 7845 Emerson Ave.
Parkersburg, WV 26101
Telephone 304-464-4353 02/16/2024



... 3 ...

02/16/2024



DATE Nov 5, 1984
WELL NO. Cale 1
API NO. 47-105-1154

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Western Reserve Oil & Gas DESIGNATED AGENT Donna Spencer
ADDRESS 7845 Emerson Ave. Address SAME
Parkersburg, W.V. 26101
TELEPHONE 304-464-4353 Telephone 304-464-4353
LANDOWNER Clyde Cale SOIL CONS. DISTRICT Little Kanawha

REVEGETATION to be carried out by Donna Spencer (Agent)

THIS PLAN has been reviewed by Little Kanawha SCD. All corrections
AND ADDITIONS become a part of this plan: 11/8/84 (Date)
Randall L. Atkinson (SCD Agent)

ACCESS ROAD	LOCATION
STRUCTURE <u>Cross Drains</u> (A)	Structure _____ (1)
SPACING <u>250' At 29°</u>	Material _____
PAGE REF. MANUAL <u>2-4</u>	Page Ref. Manual _____
STRUCTURE <u>Open Drain</u> (B)	Structure _____ (2)
SPACING <u>see sketch</u>	Material _____
PAGE REF. MANUAL <u>2-12</u>	Page Ref. Manual _____
STRUCTURE _____ (C)	Structure _____ (3)
SPACING _____	Material _____
PAGE REF. MANUAL _____	Page Ref. Manual _____

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

REVEGETATION

Treatment Area I	Treatment Area II
LIME or correct to pH <u>6.5</u> Tons/acre	Lime _____ Tons/acre or correct to pH <u>6.5</u>
FERTILIZER <u>300</u> lbs/acre (10-20-20 or equivalent)	Fertilizer <u>500</u> lbs/acre (10-20-20 or equivalent)
MULCH <u>Hay 1.5</u> Tons/acre	Mulch <u>Hay 1.5</u> Tons/acre
SEED <u>Ky Bluegrass 20</u> lbs/acre	Seed* <u>Ky Bluegrass 20</u> lbs/acre
<u>Redtop 5</u> lbs/acre	<u>Redtop 5</u> lbs/acre
<u>White Clover 10</u> lbs/acre	<u>White Clover 10</u> lbs/acre

all legumes such as vetch, trefoil and clovers with the proper bacterium.
: 3X recommended amount. 02/16/2024

PLAN PREPARED BY Neal Hughes
ADDRESS Rt 1 Box 2
Berea, WVa
PHONE NO. 659-2378

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

2

IV-9 REVERSE
(REV 8-81)

ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE Elizabeth

LEGEND

Well Site ⊕

Access Road ———



02/16/2024

Reverse
8784-2378

INSTRUCTIONS TO APPLICANT

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code §§ 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, 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 § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code §§ 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book</u>	<u>Page</u>
Clyde & Virginia Cale	A. M. Pipeline Corp. Trust	12.5R	172	542
A. M. Pipeline Corp. Trust	1983 Western Reserve Employee Trust	12.5	ORR	
1983 W. R. Emp. Trust	Magna Energy Corp.			
Magna Energy Corp.	Western Reserve Oil & Gas Co., Ltd.			



1) Date: October 11, 19 84
 2) Operator's Well No. Cale #1
 3) API Well No. 47 State _____ County _____ Permit _____

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil _____ / Gas x /
 B (If "Gas", Production x / Underground storage _____ / Deep _____ / Shallow x /)
- 5) LOCATION: Elevation: 685' Watershed: Little Kanawha River
 District: Elizabeth County: Wirt Quadrangle: Elizabeth 7 1/2'
- 6) WELL OPERATOR Western Reserve Oil & Gas Co., Ltd. 7) DESIGNATED AGENT Donna E. Spencer
 Address 7845 Emerson Avenue Address 7845 Emerson Avenue
Parkersburg, WV 26101 Parkersburg, WV 26101
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Homer Daughtery (304) 927-4591 Name Gene Stalnaker, Inc.
 Address _____ Address P O Box 178
Glenville, WV 26361
- 10) PROPOSED WELL WORK: Drill x / Drill deeper _____ / Redrill _____ / Stimulate x /
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Devonian Shale
- 12) Estimated depth of completed well, 5990 feet
- 13) Approximate trata depths: Fresh, 260 feet; salt, _____ feet.
- 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No x /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	<u>11 3/4</u>			<u>x</u>		<u>100</u>	<u>100</u>	<u>CTS</u>	Kinds
Fresh water								<u>1</u>	Sizes
Coal									Depths set
Intermediate	<u>8 5/8</u>	<u>CW</u>	<u>2613</u>	<u>x</u>		<u>885</u>	<u>885</u>	<u>100 SX</u>	Perforations:
Production	<u>4 1/2</u>	<u>ERW</u>	<u>10.5</u>	<u>x</u>		<u>5990</u>	<u>5990</u>	<u>350 SX</u>	Top
Tubing									Bottom
Liners									

DEPT. OF MINES
 RECEIVED
 NOV - 9 1984
 OIL & GAS DIVISION

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The 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 the filing of the Application.

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.

Date: _____, 19 _____

By Virginia A. Cale
L. Clyde Cale

Its _____

02/16/2024

Coal Owner



1) Date: October 11, 19 84
 2) Operator's Well No. Cale #1
 3) API Well No. 47 - 105 - 1154
 State County Permit

**STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
 APPLICATION FOR A WELL WORK PERMIT**

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 665' Watershed: Little Kanawha River
 District: Elizabeth County: Wirt Quadrangle: Elizabeth 7 1/2'
- 6) WELL OPERATOR Western Reserve Oil & Gas Co., Ltd. 7) DESIGNATED AGENT Donna E. Spencer
 Address 7845 Emerson Avenue Address 7845 Emerson Avenue
Parkersburg, WV 26101 Parkersburg, WV 26101
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Homer Daughtery (304) 927-4591
 Address _____
- 9) DRILLING CONTRACTOR: Name Gene Stalnker, Inc.
 Address P O Box 178
Glenville, WV 26361
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Devonian Shale
- 12) Estimated depth of completed well, 5990 feet
- 13) Approximate trata depths: Fresh, _____ feet; salt, _____ feet.
- 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes / No /
- 15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	<u>11 3/4</u>			<input checked="" type="checkbox"/>					Kinds
Fresh water									Sizes
Coal									Depths/feet
Intermediate	<u>8 5/8</u>	<u>CW</u>	<u>2613</u>	<input checked="" type="checkbox"/>					Perforations:
Production	<u>4 1/2</u>	<u>HRW</u>	<u>10.5</u>	<input checked="" type="checkbox"/>					Top Bottom
Tubing									
Liners									

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: _____
 By _____
 Its _____ Date _____

Virginia J. Cale Date: _____
 (Signature)
Z. Clyde Cale Date: _____
 (Signature)

02/16/2024
 Surface Owner

RECEIVED
 NOV - 9 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

**INSTRUCTIONS TO SURFACE OWNERS
AND
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (**NOTE:** If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington Street East
Charleston, West Virginia 25311
(304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- "(1) The proposed well work will constitute a hazard to the safety of persons; or
- "(2) The plan for soil erosion and sediment control is not adequate or effective; or
- "(3) Damage would occur to publicly owned lands or resources; or
- "(4) The proposed well work fails to protect fresh water sources or supplies."

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.

THIS AGREEMENT, made this 7th day of Aug., 1984
by and between: Glyde and Virginia Cole R#3 Elizabeth, WV 26143

hereinafter known as the "LESSOR", whether one or more,
and A. M. Pipeline Trust hereinafter known as the "LESSEE", whether one or more.

WITNESSETH:

1. That the LESSOR, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, and of the covenants and agreements hereinafter contained, does hereby GRANT and LEASE unto the LESSEE all of the oil and gas and all of the constituents of either, in and under the following described land, together with the exclusive right to operate, drill for, produce, and market oil and gas and their constituents, and also the right to enter thereon for the purpose of drilling and operating for oil and gas, laying pipelines, erecting tanks, machinery, and the right to do all other things necessary and proper for the drilling, production, and marketing of oil and gas and their constituents from the property which is more particularly described below:

Situated in Section Elizabeth Township/District, County of Wirt, State of W. Va.
and more particularly described at Volume 131, Page 411 208, of the Deed Records of Wirt County,
WV., which description is hereby referred to and incorporated herein by reference; which property is bounded substantially as follows:

NORTH by lands of Little Kanawha River & R. Bungarner
EAST by lands of Little Kanawha River & C. Roberts & R. Bungarner
SOUTH by lands of Little Kanawha River
WEST by lands of P Bungarner & Girl Scout Council
Containing 357 acres, more or less.

2. It is agreed that this lease shall remain in force for a primary term of two years from this date and as long thereafter as operations for oil or gas, or either of them, are being conducted on the premises, or oil or gas, or either of them, is being produced in paying quantities. It is expressly agreed that if 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 in paying quantities.

If, after expiration of the term of this lease, production from the leased premises in paying quantities shall cease from any cause, this lease shall not terminate provided LESSEE resumes operations for the production of oil or gas within sixty (60) days from such cessation, and this lease shall remain in force during the prosecution of such operations, and, if production results therefrom, as long thereafter as oil or gas or either of them is produced in paying quantities.

3. LESSEE shall commence operations for a well on the leased premises or on acreage pooled therewith as provided herein, on or before Aug. 7th 1985, unless LESSEE pays or tenders the sum of \$8935.00 for each 12 months that operations are delayed. Such payment shall be a rental for the privilege of deferring commencement of drilling operations for the above period of time. In like manner, and upon like payments or tenders, the commencement of drilling operations shall be further deferred for successive periods during the primary term of this lease.

4. If a well capable of producing oil or gas or the constituents of either in paying quantities located on the leased premises (or acreage pooled or consolidated with all or a portion of the leased premises into a unit for the drilling or operation of such well) is at any time shut in, suspended or otherwise not produced by the LESSEE due to lack of a market, and no oil or gas or their constituents is sold or utilized off the premises, nevertheless such shut in well shall be deemed to be a well on the leased premises producing in paying quantities and this lease shall remain in force during all of the time while such well is so shut in, whether before or after the expiration of the primary term. LESSEE shall use reasonable diligence to market any production from such well or wells but shall be under no obligation to market such products under terms, conditions or circumstances which in LESSEE's good faith judgment are unsatisfactory.

LESSEE shall be obligated to pay or tender to LESSOR within sixty (60) days after any such well is shut in and each anniversary thereafter, as royalty, an amount equal to \$ 2500 per acre per year if being the intention of the parties that this lease shall remain in full force and effect for sixty (60) days after shutting in any well without payment.

5. LESSEE agrees to pay to the credit of the LESSOR one-eighth (1/8) of all the oil produced and saved from the leased premises, delivered free of cost to the purchasing agency, and one-eighth (1/8) of the proceeds of all the gas marketed and sold from said premises, payable monthly.

6. LESSOR reserves to himself, free of cost, 200,000 cubic feet of gas per annum for domestic use in ^{these} single family dwelling located on this property. Such free gas shall be taken through LESSOR's own appliances and LESSOR shall be responsible for using economical appliances. LESSOR further covenants and agrees that his taking and use of such gas shall be wholly at his own risk and LESSOR agrees to indemnify and hold harmless LESSEE for any accident or damage caused thereby to either the parties to this agreement or any third party, and LESSEE shall not be liable for any shortage or failure in the supply of gas for said domestic use.

7. All payments made to LESSOR under the terms of this lease shall be made to the LESSOR, or any one of them, in cash or check in person or by United States mail to the address set forth herein or to the credit of LESSOR, or any one of them, in Wirt County

Bank at Elizabeth, WV 26143, which bank and its successors are hereby designated as LESSOR's agent for the purpose of receiving said payment. If said bank should fail, liquidate or be succeeded by another bank, or for any reason fail or refuse to accept payments on behalf of LESSOR, LESSEE shall not be held in default for failure to make said payment so long as LESSEE has made a bona fide attempt to make said payment and in no event shall any default be declared against LESSEE until thirty (30) days after LESSEE receives written notice of said default during which time LESSEE shall have the right to make the payment then in default and thereby cure said default.

8. Any notice or demand required by this agreement shall be made to the LESSOR and LESSEE at the address set forth herein and to successors or assigns of the LESSEE herein at the address set forth in the instrument of conveyance as recorded in the County Recorder's Office by United States mail, postage prepaid, or in person.

9. LESSEE is authorized to pool or combine the land covered by this lease, or any portion thereof, or formation thereunder, as to oil and/or gas, with any other land, lease or leases when in LESSEE's judgment it is advisable to do so in order to properly develop or operate said premises. Such pooling shall be into a well unit or units not exceeding approximately forty (40) acres for oil and not exceeding approximately six hundred forty (640) acres for gas. LESSEE shall execute and record an instrument or instruments identifying and describing the pooled acreage. Production, drilling or reworking operations anywhere on the unit which includes all or a part of this lease shall be treated as if it were production, drilling or reworking operations under this lease. In lieu of the royalties elsewhere herein specified, LESSOR shall receive from a unit so formed only such portion of the royalties stipulated herein as the amount of his acreage placed in the unit or his royalty therein bears to the total acreage so pooled in the particular unit involved.

10. The rights of either party hereunder may be assigned in whole or in part, and the provisions hereof shall extend to, and be binding on, their heirs, successors, and assigns; but no change or division in ownership of the land, rentals or royalties, however accomplished, shall operate to enlarge the obligations or diminish the rights of LESSEE, and no change or division in such ownership shall be binding on LESSEE until thirty (30) days after LESSEE shall have been furnished by certified mail at LESSEE's principal place of business with originals or certified copies of recorded documents of title transferring title from LESSOR. In the event of assignment hereof, in whole or in part, liability for breach of this lease hereunder shall rest exclusively upon the owners of this lease or portion thereof who commits such breach.

11. 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.

12. LESSEE hereby agrees to restore the surface of the land covered by this lease to as near as practical its original condition after each drilling operation and further agrees to pay LESSOR for all damages to growing crops, improvements and livestock caused by or arising out of its operations thereon. When required by LESSOR, LESSEE will bury all pipelines below ordinary plow depth. No well shall be drilled within two hundred (200) feet of any residence or barn now on said land without LESSOR's consent.

13. LESSOR hereby warrants and agrees to defend the title to this property including the oil and gas and other minerals which are the subject of this lease and LESSOR agrees that LESSEE, at its option, may pay, discharge or redeem any taxes, mortgages, or other liens existing on or assessed against said property, either in whole or in part, and in the event LESSEE does so, it shall be subrogated to the rights of such lien holder with the right to reimburse itself by applying any royalty toward satisfying the same.

This instrument prepared by J. A. Taylor

02/16/2024

BOOK 192 PAGE 543

14. Should LESSEE be prevented from complying with any express or implied covenant of this lease, from conducting drilling or reworking operations thereon or from producing oil or gas therefrom by operation of force majeure, any Federal or State law, or any order, rule, or regulation of any governmental authority, then while so prevented, LESSEE's obligation to comply with such covenant shall be suspended, and LESSEE shall not be liable in damages for failure to comply therewith; and this lease shall be extended while and so long as LESSEE is prevented by any such cause from conducting drilling or reworking operations on or from producing oil or gas from the leased premises, anything in the lease to the contrary notwithstanding.

15. If LESSOR owns a less interest in the above-described land than the entire and undivided fee simple estate therein, then the royalties and rentals herein provided shall be paid to the LESSOR only in the proportion which its interest bears to the whole undivided fee. Should any person, firm, or corporation having an interest in the above-described land lease to LESSEE, or should any one or more of the parties named above as LESSOR not execute this lease, it shall nevertheless be binding upon the party or parties executing the same.

16. At any time LESSEE 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 as to the part or parts so surrendered, 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 any heir or assign of any one of them, by delivery of a duly executed surrender thereof in person or by mail addressed to the address of such person as set forth herein, or by recording a duly executed surrender thereof in the Recorder's Office of the County in which the land is located.

17. In consideration of the granting of this lease and its terms and covenants, LESSOR does hereby grant, sell, assign, transfer and set over unto the LESSEE, its heirs, successors, representatives and assigns, a right-of-way to lay, maintain, operate, inspect, replace, change the size of, relocate and remove pipe lines for the transportation of oil or gas and other products with drips, valves, measuring and regulating equipment and other necessary appurtenances thereto on, over and through the land of the LESSOR together with the right of ingress and egress to and from said pipe line measuring and regulating equipment and other necessary appurtenances at all times as may be necessary or convenient for the full and complete use by the LESSEE of this right-of-way.

The LESSOR shall use and enjoy the said lands subject to the conditions and provisions of this right-of-way grant and the use and enjoyment provided hereby shall not interfere with or be inconsistent in any way with the rights, privileges and uses herein granted to the LESSEE.

18. 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.

IN WITNESS WHEREOF, the parties hereto, intending to be legally bound, have executed this instrument as of the day and year first above-written.

SOCIAL SECURITY NUMBER(S)

WITNESSES:
234 34 8513
233 30 1060

x L. Clyde Cole (SEAL)
x Virginia Cole (SEAL)
(SEAL)
(SEAL)
(SEAL)
(SEAL)
(SEAL)

WEST VIRGINIA ACKNOWLEDGEMENT

STATE OF WEST VIRGINIA

COUNTY OF Wirt

To-wit:

I, Russell H. Cline, a Notary Public of said County, do hereby certify that L. Clyde Cole and Virginia Cole

whose name s signed to the within writing bearing date the 24 day of Aug, 1984

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

Given under my hand this 24 day of Aug, 1984

Russell H. Cline
Notary Public

My Commission expires 10-22-89

OHIO ACKNOWLEDGEMENT

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 _____

This instrument prepared by Jeff Taylor

Notary Public

Oil and Gas Lease

02/16/2024

A. M. Pipeline Trust

Date _____, 1984

Acres _____

Location Elizabethtown District

County Wirt State WV

Term Two Years

RECORDING DATA:

Received for Record on the 10 day of August 1954 at 9:20 O'clock A.M.
Recorded in the Office of the Clerk of the County Commission of Wirt County, W. Va.

In Deed Book No. 172 page 542
Barbara Thomas
Clerk Wirt County Commission

200 PAID

Returned to Russ C. 2-10-54

02/16/2024



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APR 16 1985

IV-35 (Rev 8-81)

Date December 12, 1984
Operator's
Well No. #1
Farm Cale
API No. 47 - 105 - 1154

OIL & GAS DIVISION DEPT. OF MINES State of West Virginia Department of Mines Oil and Gas Division

RECEIVED

APR 29 1985

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

OIL & GAS DIVISION

DEPT. OF MINES

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

LOCATION: Elevation: 685 Watershed Little Kanawaha River District: Elizabeth County Wirt Quadrangle 7.5' Elizabeth

COMPANY Western Reserve Oil & Gas Co. LTD
ADDRESS 7845 Emerson Ave. Parkersburg, WV 26101
DESIGNATED AGENT Donna Spencer
ADDRESS 7845 Emerson Ave. Parkersburg, WV 26101
SURFACE OWNER Clyde & Virginia Cale
ADDRESS Rt. 3 Elizabeth, WV 26143
MINERAL RIGHTS OWNER same as surface
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Homar
Daughtary ADDRESS (304) 927-4591
PERMIT ISSUED October 11, 1984
DRILLING COMMENCED November 10, 1984
DRILLING COMPLETED November 16, 1984
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16 Cond., 11 3/4, 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Marcellus Depth feet
Depth of completed well 5319' feet Rotary x / Cable Tools
Water strata depth: Fresh feet; Salt feet
Coal seam depths: None Is coal being mined in the area? no

OPEN FLOW DATA
Producing formation Marcellus Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow 400 Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests 6 hours
Static rock pressure 1000 psig (surface measurement) after 24 hours shut in
Second producing formation Pay zone depth 02/16/2024 feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

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

Stage 1	27 Holes	4620-5300	336 Gal of 15% HCL	1,000,000 Cu. Ft. of N ₂
Stage 2	32 Holes	3860-4548	483 Gal of 15% HCL	1,000,000 Cu. Ft. of N ₂
Stage 3	34 Holes	3416-3826	420 Gal of 15% HCL	1,000,000 Cu. Ft. of N ₂

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale			0	2000	
Poncono Shale			2000	2235	
Berea			2235	2239	
Gantz			2351	2358	
Thirty-Foot			2482	2491	
Gordon			2631	2642	
Devian Shale			2642	5319TD	

(Attach separate sheets as necessary)

Western Reserve Oil & Gas Co. LTD

Well Operator

By: Donna Spencer

02/16/2024

Date: December 12, 1984

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including soil, encountered in the drilling of a well."

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

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OIL & GAS DIVISION

DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 105-1154

Oil or Gas Well _____
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>Western Reserve Oil & Gas</u>	Size			
<u>Parkersburg, W.Va.</u>	16			Kind of Packer _____
<u>Plyde Cole</u>	13			
<u>Cole #1</u>	10			Size of _____
<u>Elizabeth County Wirt</u>	8 1/4			
Drilling commenced _____	6 5/8			Depth set _____
Drilling completed _____ Total depth _____	5 3/16			
Date shot _____ Depth of shot _____	3			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used			Perf. top _____
Volume _____ Cu. Ft.				Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names States Report

Remarks: 11/9/84 Brad Wilson of Western Reserve called May grade
looked up proposed location which is
located in clean pasture field. Construction may
start late in evening.

11/9/84
DATE

Homer H. Dougherty
DISTRICT WELL INSPECTOR
0211612024

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

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INSPECTOR'S WELL REPORT OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 105-1154

Oil or Gas Well _____
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>Western Reserve Oil & Gas</u>	Size			
<u>Parkersburg, W.VA.</u>	16			Kind of Packer
<u>Clyde Cole</u>	13			
<u>Cole #1</u>	<u>11 3/4</u>		<u>272</u>	Size of
<u>Elizabeth County West</u>	8 1/4			
<u>11-10-84</u>	6 5/8			Depth set
	5 3/16			
	3			Perf. top
	2			Perf. bottom
	Liners Used			Perf. top
				Perf. bottom
Volume _____ Cu. Ft. CASING CEMENTED <u>11 3/4</u> SIZE <u>272</u> No. FT <u>11-11-84</u> Date NAME OF SERVICE COMPANY <u>Nowaco.</u> COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES _____ FEET _____ INCHES FEET _____ INCHES _____ FEET _____ INCHES FEET _____ INCHES				

Drillers' Names Fred Mc Cresky Aushev Steve Arbogast

Clint Hunt Rig # 7

Remarks:
11-10-84 - Moved on, rigged up & started drilling surface hole at 9 P.M.
11-11-84 - Ran 272 ft. 11 3/4" surface pipe cemented with 145 lbs. neat 32.C 1/4 lb celflake plugdown 9:30 A.M. by Nowaco.
11-13-84 - 1960 ft. deep drilling on fluid with 10 5/8 bit, going to 2010 ft. for 8 5/8" casing point.

11-13-84
DATE

Homer H. Dougherty
DISTRICT WELL INSPECTOR
02/16/2024

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

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OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 105-1154

Oil or Gas Well _____
(KIND)

Company Western Reserve Oil & Gas
 Address Parkersburg, W. Va.
 Farm Clyde Cole
 Well No. Cole #1
 District Elizabeth County Hert
 Drilling commenced 11-10-84
 Drilling completed 11-16-84 Total depth 5319'
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			Kind of Packer _____
16			
13			
10			Size of _____
8 3/4			
6 3/8			Depth set _____
5 3/16			
4 1/2		5220	Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 4 1/2 SIZE 5220 No. FT/116-84 Date

NAME OF SERVICE COMPANY Nowsee

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names Fred McCrasky Pusher Steve Arbogast

Clint Hart Rig #7

Remarks:
11-16-84 - T.D. of well 5319 by loggers - ran 5220 4 1/2" pipe
Cemented by Nowsee, Plug down 6: P.M.
11-17-84 - Rig moving off of location

11-17-84
DATE

Homer H. [Signature]
02/16/2024
DISTRICT WELL INSPECTOR

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

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MAR 12 1985

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 105-1154

Oil or Gas Well _____
(KIND)

Company	Address	Farm	Well No.	District	County	Drilling commenced	Drilling completed	Date shot	Initial open flow	Open flow after tubing	Volume	Rock pressure	Oil	Fresh water	Salt water	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
																Size			Kind of Packer
<u>Western Reserve Oil & Gas</u>	<u>Parkersburg, W. VA.</u>	<u>Clyde Cole</u>	<u>Cole # 1</u>	<u>Elizabeth</u>	<u>Shut</u>											16			
																13			
																10			Size of _____
																8 1/4			
																6 5/8			Depth set _____
																5 3/16			
																3			Perf. top _____
																2			Perf. bottom _____
																Liners Used			Perf. top _____
																			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names Status Report

Remarks:

3-4-85 - Inspected well & location. gas line laid
Well looked up & in production. called
Brad Wilson of Western Reserve about getting
started on reclamation, reclamation should be
started in 3 weeks.

3-4-85
DATE

Homer H. Duff
DISTRICT WELL INSPECTOR

02/16/2024

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

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INSPECTOR'S WELL REPORT OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 105-1154

Oil or Gas Well _____
(KIND)

Company	Address	Farm	Well No.	District	Drilling commenced	Drilling completed	Date shot	Initial open flow	Open flow after tubing	Volume	Rock pressure	Oil	Fresh water	Salt water	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
															Size			Kind of Packer
<u>Western Reserve Oil & Gas</u>	<u>Parkeburg, W. Va.</u>	<u>Clyde Cole</u>	<u>Cole #1</u>	<u>Elizabeth County West</u>											16			
															13			
															10			Size of
															8 1/4			
															6 3/8			Depth set
															5 3/16			
															3			Perf. top
															2			Perf. bottom
															Liners Used			Perf. top
																		Perf. bottom
															CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
															NAME OF SERVICE COMPANY _____			
															COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
															_____ FEET _____ INCHES _____ FEET _____ INCHES			
															_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Status Report

Remarks:
3-22-85 - Reclamation started on location, about 1/4 of lower side of location pushed back in with good slopes on banks, filling pit with mess dirt from lower side of location. Road graded with banks sloped. No one working today.

3-22-85
DATE

Homer H. Ruppel
DISTRICT WELL INSPECTOR
02/16/2024

2/16/82

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

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MAR 2 9 23 AM
OIL & GAS DIVISION

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.
 DATE

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

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JUN 18 1985

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 105-1154

Oil or Gas Well _____
(KIND)

Company <u>Western Reserve Oil & Gas</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>Parkersburg, W. Va.</u>	Size			Kind of Packer _____
Farm <u>Clyde Cale</u>	16			Size of _____
Well No. <u>Cale #1</u>	13			Depth set _____
District <u>Elizabeth</u> County <u>Shut</u>	10			Perf. top _____
Drilling commenced _____	8 1/4			Perf. bottom _____
Drilling completed _____ Total depth _____	6 5/8			Perf. top _____
Date shot _____ Depth of shot _____	5 3/16			Perf. bottom _____
Initial open flow _____ /10ths Water in _____ Inch	3			Liners Used _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top _____
Volume _____ Cu. Ft.				Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Status Report

Remarks: Met with Brad Wilson, reclamation contractor
6-11-85 - Location and road reclaimed, seeded, limed
fertilized and 75% of area mulched with good
hay mulch.

6-11-85
DATE

Homer H. Dougherty
DISTRICT WELL INSPECTOR

FORM 26
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Packer			Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

DATE

I hereby certify I visited the above well on this date.

02/16/2024
DISTRICT WELL INSPECTOR

INSPECTOR'S PERMIT SUMMARY FORM

WELL TYPE Gas
ELEVATION 665
DISTRICT Elizabeth
QUADRANGLE _____
COUNTY Wirt

API# 47-105-1154 (11-9-84)
OPERATOR Western Reserve Oil & Gas
TELEPHONE _____
FARM Clyde Cale
WELL # Cale #1

SURFACE OWNER Clyde Cale COMMENTS _____ TELEPHONE _____
TARGET FORMATION Shale DATE APPLICATION RECEIVED _____

DATE STARTED _____
LOCATION 11/9/84 NOTIFIED 11/9/84 DRILLING COMMENCED 11/10/84

WATER DEPTHS _____, _____, _____, _____
COAL DEPTHS _____, _____, _____, _____

CASING

Ran 272 feet of 11 3/4" "pipe on 11/11/84 with 145SK fill up
Ran 2010 feet of 8 5/8" "pipe on 11/13/84 with _____ fill up
Ran 5220 feet of 4 1/2" "pipe on 11/16/84 with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up

TD 5319 feet on 1/16/84

DEPARTMENT OF ENERGY
OIL AND GAS

PLUGGING

APR 1 1986

Type	From	To	Pipe Removed

Pit Discharge date: _____ Type _____

Field analysis _____ ph _____ fe _____ cl _____

Well Record received 4/29/85

Reclamation OK.

Date Released 3/24/86

Thomas H. Dougherty
Inspector's signature
02/16/2024

API# 47 _____ - _____

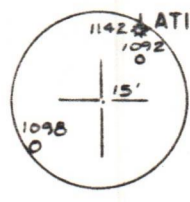
LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1				
2				
3				
4				
5				
6				
7				
8				
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10				
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Notes

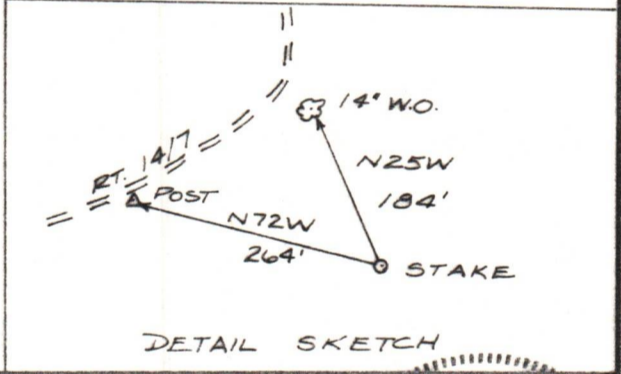
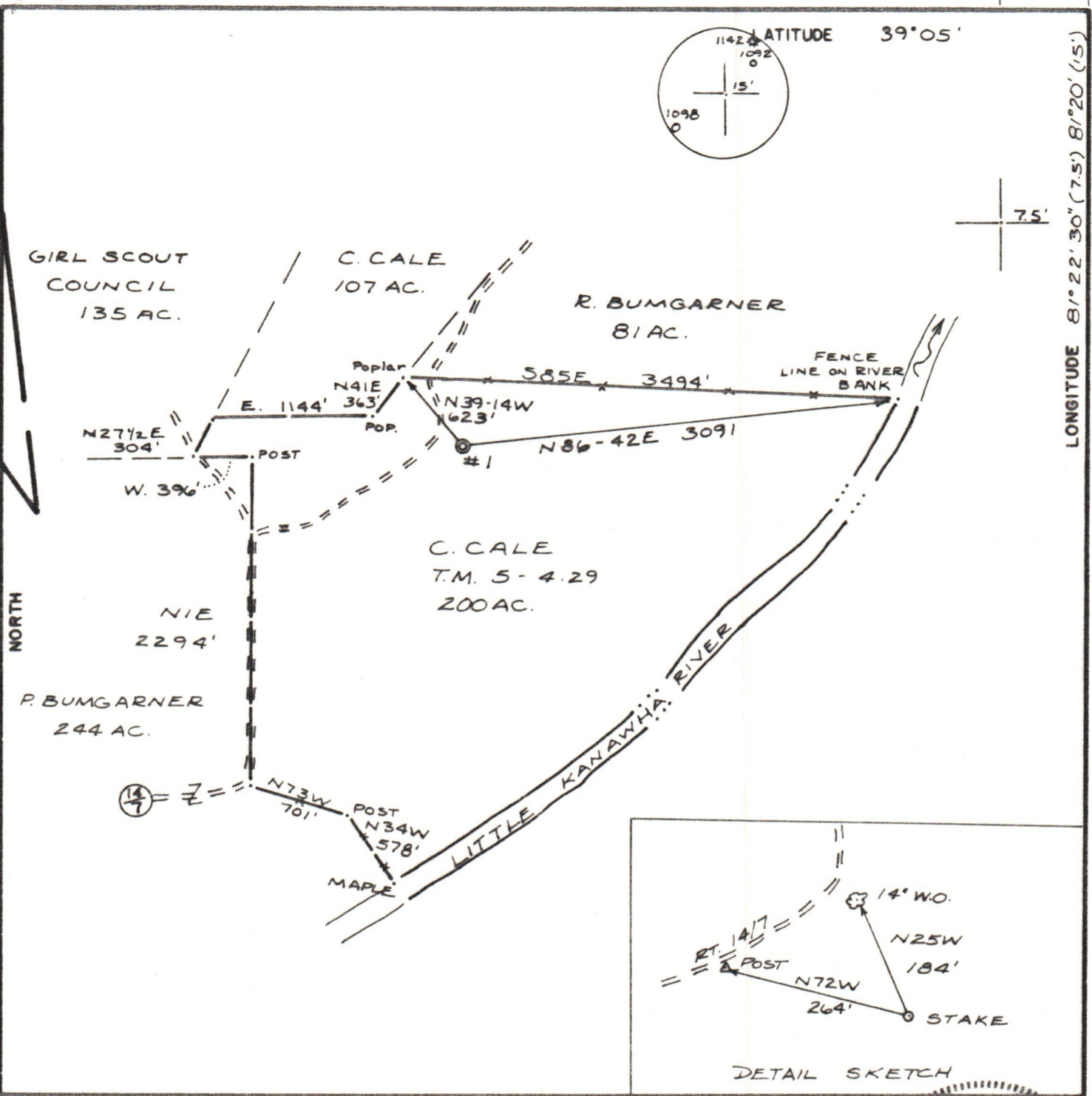
10 774 11/9/84

1200'



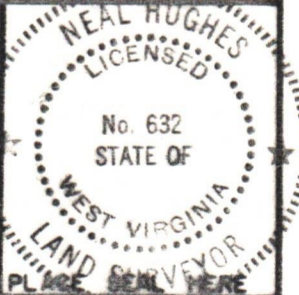
LATITUDE 39°05'

LONGITUDE 81°22'30" (7.5) 81°20' (1.5)



FILE NO. 84-57
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION BM 623 ELIZABETH

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) Neal Hughes
 R. P. E. _____ L. L. S. 632



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



Department of Mines
 Oil & Gas Division

DATE NOV. 5, 1984
 OPERATOR'S WELL NO. 1
 API WELL NO. 47-105-1154
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 685 WATER SHED LITTLE KANAWHA RIVER
 DISTRICT ELIZABETH COUNTY WIRT
 QUADRANGLE ELIZABETH
 SURFACE OWNER CLYDE CALE ACREAGE 200
 OIL & GAS ROYALTY OWNER CLYDE CALE LEASE ACREAGE 200 LEASE NO. _____
 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 5990'
 WELL OPERATOR WESTERN RESERVE OIL & GAS DESIGNATED AGENT DONNA SPENCER
 ADDRESS 7845 EMERSON AVE ADDRESS SAME
PARKERSBURG, W.VA. 26101

02/16/2024

02/16/2024



IV-9
(Rev 8-81)



DATE Nov 5, 1984

WELL NO. Cale 1

API NO. 47-105-1154

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Western Reserve Oil & Gas DESIGNATED AGENT Donna Spencer
ADDRESS 7845 Emerson Ave. Address SAME
Parkersburg, W.V. 26101
TELEPHONE 304-464-4353 Telephone 304-464-4353
LANDOWNER Clyde Cale SOIL CONS. DISTRICT Little Kanawha
REVEGETATION to be carried out by Donna Spencer (Agent)

THIS PLAN has been reviewed by Little Kanawha SCD. All corrections
AND ADDITIONS become a part of this plan: 11/8/84 (Date)
Randall L. Atkinson (SCD Agent)

ACCESS ROAD	LOCATION
STRUCTURE <u>Cross Drains</u> (A)	Structure _____ (1)
SPACING <u>250' At 290</u>	Material _____
PAGE REF. MANUAL <u>2-4</u>	Page Ref. Manual _____
STRUCTURE <u>Open Drain</u> (B)	Structure _____ (2)
SPACING <u>see sketch</u>	Material _____
PAGE REF. MANUAL <u>2-12</u>	Page Ref. Manual _____
STRUCTURE _____ (C)	Structure _____ (3)
SPACING _____	Material _____
PAGE REF. MANUAL _____	Page Ref. Manual _____

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

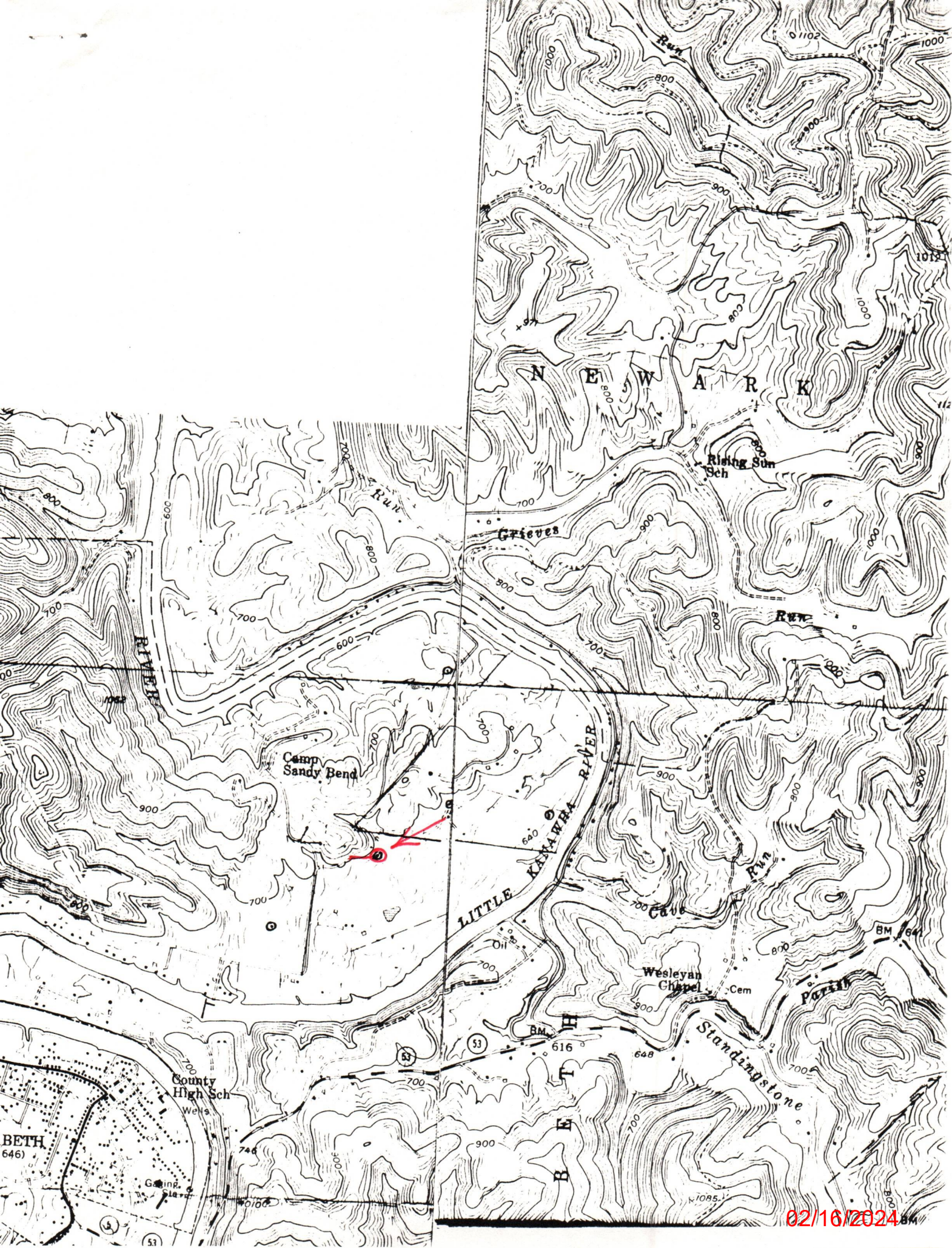
REVEGETATION

Treatment Area I	Treatment Area II
LIME or correct to pH <u>6.5</u> Tons/acre	Lime or correct to pH <u>6.5</u> Tons/acre
FERTILIZER <u>300</u> lbs/acre (10-20-20 or equivalent)	Fertilizer <u>500</u> lbs/acre (10-20-20 or equivalent)
MULCH <u>Hay 1.5</u> Tons/acre	Mulch <u>Hay 1.5</u> Tons/acre
SEED <u>Ky Bluegrass 20</u> lbs/acre	Seed* <u>Ky Bluegrass 20</u> lbs/acre
<u>Redtop 5</u> lbs/acre	<u>Redtop 5</u> lbs/acre
<u>White Clover 10</u> lbs/acre	<u>White Clover 10</u> lbs/acre

all legumes such as vetch, trefoil and clovers with the proper bacterium. 3X recommended amount. 02/16/2024

PLAN PREPARED BY Neal Hughes
ADDRESS Rt 1 Box 2
Berea, WVa
PHONE NO. 659-2378

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



02/16/2024