



1) Date: May 21, 19 84
 2) Operator's Well No. Waco - 306
 3) API Well No. 47 - 021 - 4196
 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: 761 Watershed: Trace Fork of Tanners Creek LK66A
 District: DeKalb County: Gilmer Quadrangle: Tanner 7.5
- 6) WELL OPERATOR Waco Oil & Gas Co., Inc. 7) DESIGNATED AGENT Kenneth Greenlief
 Address 1297 N. Lewis St. Address 1297 N. Lewis St.
Glenville, WV 26351 Glenville, WV 26351
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Deo Mace Name I. L. Morris Well Service, Inc.
 Address Rt. 1, Box 5 Address 1297 N. Lewis St.
Sandridge, WV 25274 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, Marcellus
- 12) Estimated depth of completed well, 5990 feet
 13) Approximate trata depths: Fresh, 100 feet; salt, N/A feet.
 14) Approximate coal seam depths: None Is coal being mined in the area? Yes

RECEIVED
 JUN 6 - 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

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									Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8	ERW	20	X		500	500	100 sacks	CTS - By Rule 15.05
Production	4 1/2	J-55	10.5	X			5900	600 sacks	Depths set By Rule 15.01
Tubing									
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-021-4196 Date June 18, 19 84

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 June 18, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: BLANKET	Agent: <i>[Signature]</i>	Plat: <i>MH</i>	Casing <i>MH</i>	Fee <i>1078</i>
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[Signature]
 Administrator, Office of Oil and Gas

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



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) Well No. _____ State _____ County _____

2) Operator's Well No. _____

3) Date _____

4) LOCATION: District _____ County _____

5) Elevation _____

6) B (If "Gas", Production _____ Underground storage _____) _____

7) DESIGNATED AGENT _____

8) ADDRESS _____

9) DRILLING CONTRACTOR _____

10) PROPOSED WELL WORK: _____

11) GEOLOGICAL TARGET FORMATION _____

12) ESTIMATED DEPTH OF COMPLETED WELL _____

13) APPROXIMATE TRAIN DEPTH _____

14) APPROXIMATE COAL SEAM DEPTH _____

15) CASING AND TUBING PROGRAM _____

RECEIVED

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:	Agent	Plant	Casing	Fee
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

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

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

09/29/2023

1) Date: May 21, 1984
2) Operator's
Well No. Waco-306
3) API Well No. 47 - 021 - 4196
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 Mickey Sue Hanlon
Address Box 156
Nobe, WV 26158
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR None
Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name None
Address _____

Name _____
Address _____

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name None
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.

RECEIVED
JUN 6 - 1984

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.)

OIL & GAS DIVISION
DEPT. OF MINES

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

WELL
OPERATOR Waco Oil & Gas Company, Inc.

By Kenneth Greenleaf
Its Agent
Address 1297 N. Lewis St.
Glenville, WV 26351
Telephone (304) 462-5347

Kenneth Greenleaf
this 21 day of May, 19 84.

My commission expires Sept. 16, 1990.

M. Lynn Chapman
Notary Public, Gilmer County,
State of West Virginia

09/29/2023

I N S T R U C T I O N S T O A P P L I C A N T

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 Page</u>
Irma Ayers, et al	Waco Oil & Gas Co., Inc.	1/8	333-413

09/29/2023



1) Date: May 21, 19 84
 2) Operator's Well No. Waco - 306
 3) API Well No. 47 - 021 -
 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: 761 Watershed: Trace Fork of Tanners Creek
 District: DeKalb County: Gilmer Quadrangle: Tanner 7.5
- 6) WELL OPERATOR Waco Oil & Gas Co., Inc. 7) DESIGNATED AGENT Kenneth Greenleaf
 Address 1297 N. Lewis St. Address 1297 N. Lewis St.
Glenville, WV 26351 Glenville, WV 26351
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Deo Mace Name L. L. Morris Well Service, Inc.
 Address Rt. 1, Box 5 Address 1297 N. Lewis St.
Sandridge, WV 25274 Glenville, WV 26351
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Marcellus
- 12) Estimated depth of completed well, 5990 feet
 13) Approximate trata depths: Fresh, 100 feet; salt, N/A feet.
 14) Approximate coal seam depths: None Is coal being mined in the area? Yes _____
- 15) CASING AND TUBING PROGRAM

RECEIVED
 JUN 6 - 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

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										Sizes
Coal										
Intermediate	<u>8 5/8</u>	<u>ERW</u>	<u>20</u>	<u>X</u>		<u>500</u>	<u>500</u>	<u>100 sacks</u>		<u>CTS - By Rule 15.05</u>
Production	<u>4 1/2</u>	<u>J-55</u>	<u>10.5</u>	<u>X</u>			<u>3900</u>	<u>600 sacks</u>		<u>Depths set By Rule 15.01</u>
Tubing										
Liners										Perforations:
										Top Bottom

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.)
 NAME: _____
 By _____
 Its _____ Date _____

(For execution by natural persons)
Mickey Sue Hanlon Date: 5/23/84
 (Signature)
Mike Hanlon Date: 5/23/84
 (Signature)

09/29/2023
 Surface Owner

**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.



1) Date: May 21, 19 84
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 State County Permit

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

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 District: DeKalb County: Gilmer Quadrangle: Tanner 7.5
- 6) WELL OPERATOR Waco Oil & Gas Co., Inc. 7) DESIGNATED AGENT Kenneth Greenlief
 Address 1297 N. Lewis St. Address 1297 N. Lewis St.
Glenville, WV 26351 Glenville, WV 26351
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
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- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate X /
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15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
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Production	<u>4 1/2</u>	<u>J-55</u>	<u>10.5</u>	<u>X</u>			<u>5900</u>	<u>600 sacks</u>	<u>Depths set By Rule 15.01</u>
Tubing									
Liners									Perforations:
									Top Bottom

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: [Signature]

Its _____

09/29/2023
Coal Owner



IV-9
Revised 11-81

Rec'd. (WFSCD)
MAY 2 1984

State of West Virginia
Department of Mines
Oil and Gas Division

DATE May 1, 1984
WELL NO. WACO-306
API NO. 47-021-4196

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Waco Oil & Gas Co., Inc.
Address Glenville, WV 26351
Telephone (304) 462-5347

DESIGNATED AGENT Kenneth Greenleaf
Address Glenville, WV 26351
Telephone (304) 462-5347

LANDOWNER Mickey Sue Hanlon

SOIL CONS. DISTRICT West Fork

Revegetation to be carried out by Main Line Construction Co. (Agent)

This plan has been reviewed by West Fork SCD. All corrections and additions become a part of this plan: 5/14/84 (Date)

Kenneth E. Knight
(SCD Agent)

THIS REVIEW IS MADE FOR SITE AS SHOWN. A CHANGE OF ELEVATION OF PLUS OR MINUS 10 FT. OR SLOPE OF PLUS OR MINUS 3 PERCENT MAKES THIS PLAN NOT ACCEPTABLE TO WFSCD.

LOCATION

Structure Drainage Ditch (A)
Inside road cuts
Spacing as shown on sketch
Page Ref. Manual 2-12

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

Structure Cross Drains (B)
15'-60' apart, 10%-20' apart, 18-24'-45' apart
Spacing as shown on sketch 5'-13.5' apart
Page Ref. Manual 2-1

Structure Sediment Barrier (2)
Material Logs & Stone
Page Ref. Manual 2-14

Structure Sediment Barrier (C)
Material Stacked Hay Bales
Page Ref. Manual 2-16

Structure Filter Strip (3)
Material Undisturbed Natural Vegetation
Page Ref. Manual 2-16

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JUN 6 - 1984
OIL & GAS DIVISION
DEPT. OF MINES

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
* Lime _____ Tons/acre
or correct to pH 6.5
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch H. Seed-paper 3/4 Tons/acre
Seed* Ky. 31 Fescue 35 lbs/acre
Ladino Clover 5 lbs/acre
_____ lbs/acre

Treatment Area II
* Lime _____ Tons/acre
or correct to pH 6.5
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch H. Seed-paper 3/4 Tons/acre
Seed* Ky. 31 Fescue 35 lbs/acre
Ladino Clover 5 lbs/acre
_____ lbs/acre

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

* According to PH Test.

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

PLAN PREPARED BY S. E. Holden

ADDRESS Waco Oil & Gas Co., Inc.
Glenville, WV 26351
PHONE NO. (304) 462-5347

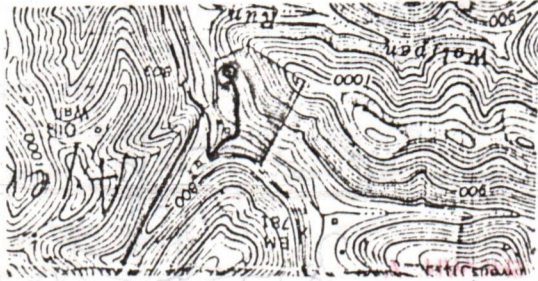
09/29/2023

ATTACH OR PHOTOCOPIY SECTION OF
 INVOLVED TOPOGRAPHIC MAP.
 QUADRANGLE Tanner 7.5'

LEGEND

Well Site ⊕

Access Road ———



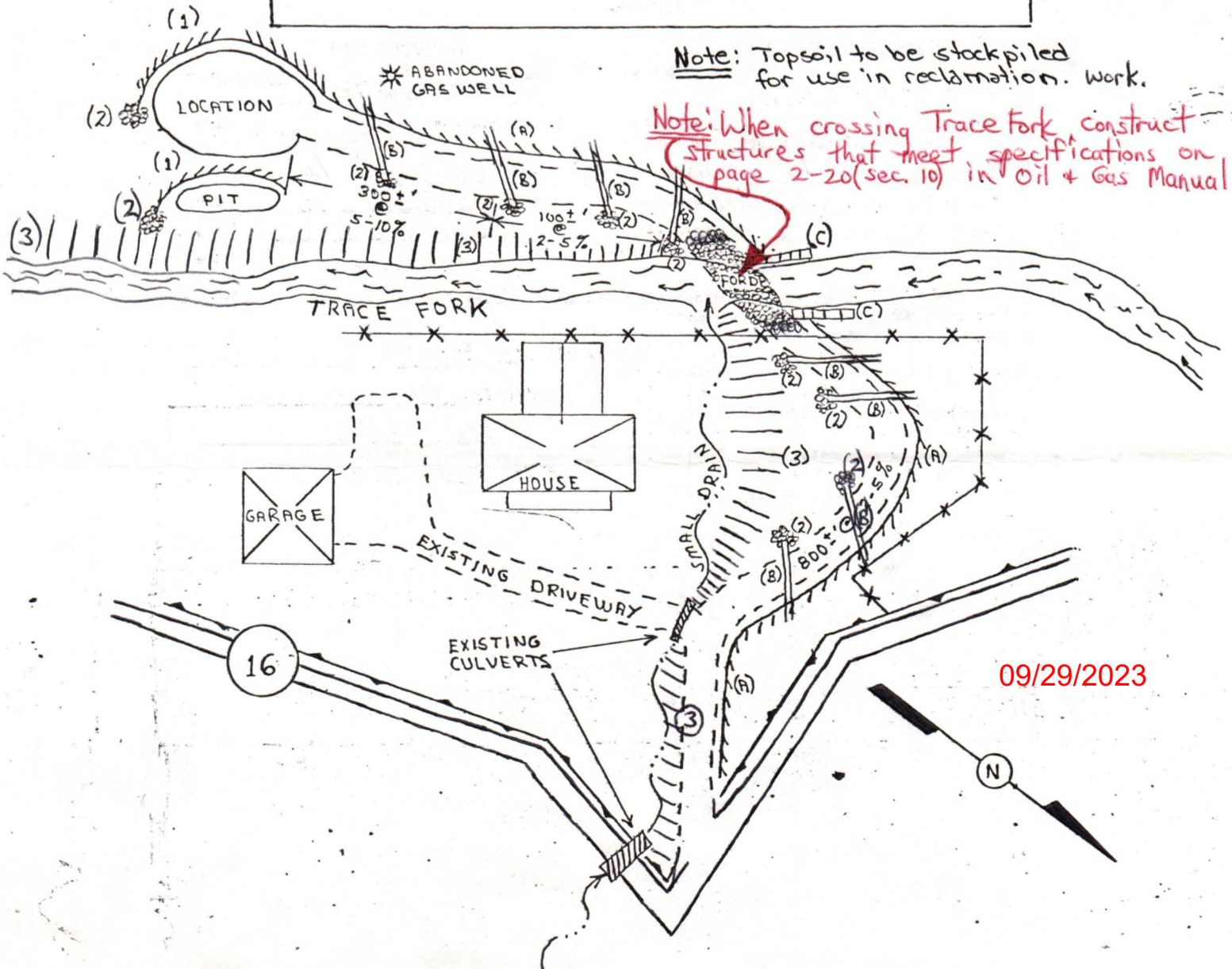
WELL SITE PLAN

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

Land Use: Pasture Hayland ___ Cropland ___ Woodland ___

LEGEND

Property boundary ——— X ——— X ———	North Arrow ↗
Road = = = = =	Diversion // // // //
Existing fence — X — X —	Spring ○ →
Planned fence — / — / —	Wet Spot ⊙
Stream ~ ~ ~ ~ ~	Building □
Open Ditch —> —> —> —>	Drain pipe —○—>—○—>
Waterway (—> —> —>)	



Ferc.



IV-35
(Rev 8-81)

State of West Virginia
Department of Mines
Oil and Gas Division

Date August 14, 1985
Operator's
Well No. Waco #306
Farm Ayers
API No. 47 - 021 - 4196

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

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

LOCATION: Elevation: 761 Watershed Trace Fork of Tanner Creek
District: DeKalb County Gilmer Quadrangle Tanner 7.5'

COMPANY Waco Oil & Gas Co., Inc.
ADDRESS PO Box 397, Glenville, WV 26351
DESIGNATED AGENT Stephen E. Holloway
ADDRESS PO Box 397, Glenville, WV 26351
SURFACE OWNER Mickey Sue Hanlon
ADDRESS Tanner, WV
MINERAL RIGHTS OWNER Louis Ayers etal
ADDRESS Suncity, AZ
OIL AND GAS INSPECTOR FOR THIS WORK
Deo Mace ADDRESS Sandridge, WV
PERMIT ISSUED June 18, 1984
DRILLING COMMENCED April 18, 1985
DRILLING COMPLETED April 23, 1985
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	1854	1854	surface
7'			
5 1/2			
4 1/2	5914	5914	700 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Marcellus Shale Depth 5990 feet
Depth of completed well 5945 feet Rotary x / Cable Tools
Water strata depth: Fresh 90 feet; Salt 1385 feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Shale, Elk, Alexander Pay zone depth see treatment feet
Gas: Initial open flow ___ Mcf/d Oil: Initial open flow ___ Bbl/d
Final open flow 1210 Mcf/d Final open flow show ___ Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1525 psig (surface measurement) after 48 hours shut in
(If applicable due to multiple completion--)
Second producing formation Benson--Speechly Pay zone depth see treatment 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)

911
4196

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

- Genessee Shale - 5841 - 5922 - 500 Gal 15% Hcl, 40 Ton CO₂, 114 MCF N₂
- Devonian Shale - 5682 - 5768 - 500 Gal 15% Hcl, 40 Ton CO₂, 120 MCF N₂
- Lower Elk - 5028 - 5120 - 500 Gal 15% Hcl, 40 Ton CO₂, 115 MCF N₂
- Upper Elk, Alexander - 4708 - 4894 - 500 Gal 15% Hcl, 20 ton CO₂, 311 MCF N₂
- Benson, 3rd Riley - 4302- 4423 - 500 Gal 15% Hcl, 20 Ton CO₂, 600 MCF N₂
- 2nd Riley - 4140 - 4172 - 500 Gal 15% Hcl, 20 Ton CO₂, 230 MCF N₂
- Bradford - 4018 - 4032 - 500 Gal 15% Hcl, 20 Ton CO₂, 300 MCF N₂
- Speechly - 3074 - 3238 - 500 Gal 15% Hcl, 20 Ton CO₂, 410 MCF N₂

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Fill			0	3	
Sand & Shale			3	111	Hole Damped 90'
Redrock			111	113	
Sand & Shale			113	359	
Redrock & Shale			359	482	
Sand & Shale			482	1639	Hole Damped @ 1385'
Little Lime			1639	1675	
Big Lime			1675	1775	
Big Injun			1775	1816	
Sand & Shale			1816	3050	
Speechly Section			3050	3700	
Balltown Section			3700	3820	
Riley Section			3820	4450	
Benson			4450	4460	
Shale			4460	4600	
Alexander			4600	4750	
Elk Section			4750	5100	
Shale			5100	5945	TD

(Attach separate sheets as necessary)

WACO OIL & GAS COMPANY, INC.
Well Operator

By: _____, Daniel R. Chapman, Geologist

Date: August 14, 1985

09/29/2023

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

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

RECEIVED

APR 24 1985

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 21-4196

Oil or Gas Well _____
(KIND)

Company <u>Waco</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Oyers</u>	16			Kind of Packer _____
Well No. <u>306</u>	13			
District <u>DeSalt</u> County <u>Gilmer</u>	10			Size of _____
Drilling commenced <u>4-15-85</u>	8 1/4			
Drilling completed _____ Total depth _____	6 3/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water <u>90</u> feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Morris 7

Remarks: 234' of 11 3/4" casing, 127 SKS cement, Mowser, 4-16-85

4-16-85
DATE

Waco Morris 09/29/2023
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	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: _____

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

09/29/2023
DISTRICT WELL INSPECTOR

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

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS

JAN 8 1986

INSPECTOR'S WELL REPORT

Permit No. 21-4196

(6-18-84)

Oil or Gas Well _____
(KIND)

Company WACO

Address _____

Farm Hanlon

Well No. Waco 306

District DeKalb County Gilmer

Drilling commenced _____

Drilling completed _____ Total depth _____

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			
16			Kind of Packer _____
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 _____

Remarks: _____

Release

1-4-86
DATE

[Signature]
09/29/2023
DISTRICT WELL INSPECTOR

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	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: _____

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

DISTRICT _____ 09/29/2023

1.0 API well number: (If not available, leave blank. 14 digits.)	47- 021 - 4196															
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA															
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	5922 feet															
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	<p style="text-align: center;">WACO OIL & GAS COMPANY INC. 019942</p> <p>Name Seller Code</p> <p style="text-align: center;">PO BOX 397</p> <p>Street</p> <p style="text-align: center;">Glennville WV 26351</p> <p>City State Zip Code</p>															
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	<p style="text-align: center;">Trace Fork of Tanner Creek</p> <p>Field Name</p> <p style="text-align: center;">Gilmer WV</p> <p>County State</p>															
(b) For OCS wells:	<p style="text-align: center;">NA NA</p> <p>Area Name Block Number</p> <p style="text-align: center;">Date of Lease:</p> <p style="text-align: center;">NA</p> <p style="text-align: center;">Mo. Day Yr. NA</p> <p style="text-align: center;">OCS Lease Number</p>															
(c) Name and identification number of this well: (35 letters and digits maximum.)	<p style="text-align: center;">WACO #306 Ayers</p>															
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	<p style="text-align: center;">NA</p>															
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	<p style="text-align: center;">Consolidated Gas Supply 004228</p> <p>Name Buyer Code</p>															
(b) Date of the contract:	<p style="text-align: center;">NA</p> <p style="text-align: center;">Mo. Day Yr.</p>															
(c) Estimated annual production:	<p style="text-align: center;">15 MMcf.</p>															
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:25%;"></th> <th style="width:25%;">(a) Base Price (\$/MMBTU)</th> <th style="width:25%;">(b) Tax</th> <th style="width:25%;">(c) All Other Prices [Indicate (+) or (-).]</th> <th style="width:25%;">(d) Total of (a), (b) and (c)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">7.0 Contract price: (As of filing date. Complete to 3 decimal places.)</td> <td style="text-align: center;">NA</td> <td style="text-align: center;">NA</td> <td style="text-align: center;">NA</td> <td style="text-align: center;">NA</td> </tr> <tr> <td style="padding: 5px;">8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)</td> <td style="text-align: center;">NA</td> <td style="text-align: center;">NA</td> <td style="text-align: center;">NA</td> <td style="text-align: center;">NA</td> </tr> </tbody> </table>		(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)	7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	NA	NA	NA	NA	8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	NA	NA	NA	NA
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)												
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	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)												
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	NA	NA	NA	NA												
9.0 Person responsible for this application:	<p style="text-align: center;">Stephen E. Holloway Agent</p> <p>Name Title</p> <p style="text-align: center;"><i>Stephen E. Holloway</i></p> <p>Signature</p> <p style="text-align: center;">August 15, 1985 304-462-5347</p> <p>Date Application is Completed Phone Number</p>															
Agency Use Only																
Date Received by Juris. Agency																
Date Received by FERC																

09/29/2023

DEPARTMENT OF MINES, OIL AND GAS DIVISION

1414-34

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: August 15, 19 85

51800

AGENCY USE ONLY

Applicant's Name: WACO OIL & GAS COMPANY, INC.

WELL DETERMINATION FILE NUMBER

Address: PO Box 397

850821 - 1030-021 - 4196

Glenville, WV 26351

Use Above File Number on all Communications Relating to This Well

Gas Purchaser Contract No. NA

Date of Contract NA
(Month, day and year)

P 620

First Purchaser: Consolidated Gas Supply

Designated Agent: Stephen E. Holloway

Address: PO Box 2450

Address: PO Box 397

(Street or P.O. Box)

Glenville, WV 26351

Clarksburg WV 26301

(City) (State) (Zip Code)

FERC Seller Code 019942

FERC Buyer Code 004228

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL BE ADDRESSED:

Name: Stephen E. Holloway

Agent

(Print)

(Title)

Signature: [Signature]

Address: PO Box 397

(Street or P.O. Box) Glenville WV 26351

(City) (State) (Zip Code)

Telephone: (304) 462-5347

(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

102 New Natural Gas

- 102-2 2.5 Mile Test
- 102-3 1000 Foot Deeper Test
- 102-4 New Onshore Reservoir

108 Stripper Well Natural Gas

- 108- Stripper Well
- 108-1 Seasonally Affected
- 108-2 Enhanced Recovery
- 108-3 Temporary Pressure Buildup

103 New Onshore Production Well

XXXXXX 103 New Onshore Production Well

107 High Cost Natural Gas

- 107-0 Deep (more than 15,000 feet)
- 107-1 Geopressured Brine
- 107-2 Coal Seams
- 107-3 Devonian Shale
- 107-5 Production enhancement
- 107-6 New Tight Formation
- 107-7 Recompletion Tight Formation

AGENCY USE ONLY

QUALIFIED

09/29/2023

RECEIVED
AUG 21 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date Received

Determination Date

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

Date August 15, 1985

Operator's Well No Waco #306 - Ayers
API Well No. 47 - 021 - 4196
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL
MGA Section 103

DESIGNATED AGENT Stephen E. Holloway

ADDRESS PO Box 397
Glenville, WV 26351

WELL OPERATOR WACO OIL & GAS CO., INC.

LOCATION: Elevation 761

ADDRESS PO Box 397
Glenville, WV 26351

Watershed Trace Fork of Tanner Creek

GAS PURCHASER Consolidated Gas Supply

Dist. DeKalb County Gilmer Quad. Tanner

ADDRESS PO Box 2450
Clarksburg, WV 26301

Gas Purchase Contract No. na
Meter Chart Code na
Date of Contract na

* * * * *

Date surface drilling was begun: april 18, 1985

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

$$PWS = PWH + (0.25) \left(\frac{PWH}{100} \right) \left(\frac{D}{100} \right)$$

PWS = Bottom Hole Pressure

PWH = Top Hole Pressure

D = Depth of Well Casing

$$PWS = 1525 + (0.25) \left(\frac{1525}{100} \right) \left(\frac{5914}{100} \right)$$

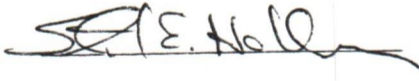
$$PWS = 1525 + (0.25) (15.25) (59.14)$$

$$PWS = 1525 + 225.47$$

$$PWS = 1750$$

AFFIDAVIT

I, Stephen E. Holloway, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977, the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.



STATE OF WEST VIRGINIA,

COUNTY OF GILMER, TO WIT:

I, Gregory C. Nicholson, a COMMISSIONER in and for the state and county aforesaid,

do certify that Stephen E. Holloway, whose name is signed to the writing above, bearing date the 15th day of August, 1985, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 15th day of August, 1985.

My term of office expires on the 16th day of September, 1992.

[NOTARIAL SEAL]



09/29/2023

1.0 API well number: (If not available, leave blank, 14 digits.)	<u>47- 021 - 4196</u>															
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	<u>107</u> Section of NGPA <u> </u> Category Code															
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	<u>5992</u> feet															
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	<p style="text-align: center;"><u>WACO OIL & GAS COMPANY INC.</u> <u>019942</u> Seller Code</p> <p>Name <u> </u></p> <p>Street <u>PO BOX 397</u></p> <p>City <u>Glenville</u> <u>WV</u> <u>26351</u> State Zip Code</p>															
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	<p style="text-align: center;"><u>Trace Fork of Tanner Creek</u></p> <p>Field Name <u> </u> <u>WV</u> State</p> <p>County <u>Gilmer</u></p>															
(b) For OCS wells:	<p>Area Name <u>NA</u> <u>NA</u> Block Number</p> <p style="text-align: center;">Date of Lease: <u>NA</u> Mo. Day Yr.</p> <p style="text-align: right;"><u>NA</u> OCS Lease Number</p>															
(c) Name and identification number of this well: (35 letters and digits maximum.)	<u>WACO #306 AYERS</u>															
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	<u>NA</u>															
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	<p style="text-align: center;"><u>CONSOLIDATED GAS SUPPLY</u> <u>004228</u> Buyer Code</p> <p>Name <u> </u></p>															
(b) Date of the contract:	<u>NA</u> Mo. Day Yr.															
(c) Estimated annual production:	<u> </u> MMcf.															
	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;"></th> <th style="width:15%;">(a) Base Price (\$/MMBTU)</th> <th style="width:15%;">(b) Tax</th> <th style="width:20%;">(c) All Other Prices [Indicate (+) or (-).]</th> <th style="width:20%;">(d) Total of (a), (b) and (c)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">7.0 Contract price: (As of filing date. Complete to 3 decimal places.)</td> <td style="text-align: center;"><u>NA</u></td> <td style="text-align: center;"><u>NA</u></td> <td style="text-align: center;"><u>NA</u></td> <td style="text-align: center;"><u>NA</u></td> </tr> <tr> <td style="padding: 5px;">8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)</td> <td style="text-align: center;"><u>NA</u></td> <td style="text-align: center;"><u>NA</u></td> <td style="text-align: center;"><u>NA</u></td> <td style="text-align: center;"><u>NA</u></td> </tr> </tbody> </table>		(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)	7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)												
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>												
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>												
9.0 Person responsible for this application:	<p style="text-align: center;"><u>Stephen E. Holloway</u> <u>Agent</u> Title</p> <p>Name <u> </u></p> <p style="text-align: center;"><i>SEH</i> Signature</p> <p style="text-align: center;"><u>August 15, 1985</u> <u>304-462-5347</u> Phone Number</p> <p>Date Application is Completed</p>															
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">Agency Use Only</td> </tr> <tr> <td style="padding: 5px;">Date Received by Juris. Agency AUG 21 1985</td> </tr> <tr> <td style="padding: 5px;">Date Received by FERC</td> </tr> </table>	Agency Use Only	Date Received by Juris. Agency AUG 21 1985	Date Received by FERC													
Agency Use Only																
Date Received by Juris. Agency AUG 21 1985																
Date Received by FERC																

1414-34

SEP 15 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: August 15, 19 85 51800

Applicant's Name: WACO OIL & GAS COMPANY, INC.

Address: PO Box 397
Glenville, WV 26351

Gas Purchaser Contract No. NA

Date of Contract NA
(Month, day and year)

First Purchaser: Consolidated GasSupply P620

Address: PO Box 2450
(Street or P.O. Box)
Clarksburg WV 26301
(City) (State) (Zip Code)

FERC Seller Code 019942

AGENCY USE ONLY

WELL DETERMINATION FILE NUMBER

850821-1073-021-4196

Use Above File Number on all
Communications Relating to This Well

Designated Agent: Stephen E. Holloway

Address: PO Box 397
Glenville, WV 26351

FERC Buyer Code 004228

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL
BE ADDRESSED:

Name: Stephen E. Holloway Agent
(Print) (Title)

Signature: [Signature]

Address: PO Box 397
(Street or P.O. Box)
Glenville WV 26351

Telephone: (304) 462-5347
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
 - 102-2 2.5 Mile Test
 - 102-3 1000 Foot Deeper Test
 - 102-4 New Onshore Reservoir
- 103 New Onshore Production Well
 - 103 New Onshore Production Well
- 107 High Cost Natural Gas
 - 107-0 Deep (more than 15,000 feet)
 - 107-1 Geopressured Brine
 - 107-2 Coal Seams
 - XXX 107-3 Devonian Shale
 - 107-5 Production enhancement
 - 107-6 New Tight Formation
 - 107-7 Recompletion Tight Formation

- 108 Stripper Well Natural Gas
 - 108- Stripper Well
 - 108-1 Seasonally Affected
 - 108-2 Enhanced Recovery
 - 108-3 Temporary Pressure Buildup

AGENCY USE ONLY

QUALIFIED 09/29/2023

RECEIVED
AUG 21 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date Received

Determination Date

DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's
Well No. Waco #306 Ayers

API Well No.

47 - 021 - 4196
State County Permit

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

DESIGNATED AGENT Stephen E. Holloway

ADDRESS PO Box 397
Glenville, WV 26351

LOCATION Elevation 761

Watershed Trace Fork of Tanner Creek

Dist. DeKalb County Gilmer Quad. Tanner

Gas Purchase
Contract No. NA

Meter Chart Code NA

Date of Contract NA

WELL OPERATOR WACO OIL & GAS CO., INC.

ADDRESS PO Box 397
Glenville, WV 26351

GAS PURCHASER Consolidated Gas Supply

ADDRESS PO Box 2450
Clarksburg, WV 26301

* * * * *

Date surface drilling began: April 18, 1985

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

$$PWS = PWH + (0.25) \left(\frac{PWH}{100} \right) \left(\frac{D}{100} \right)$$

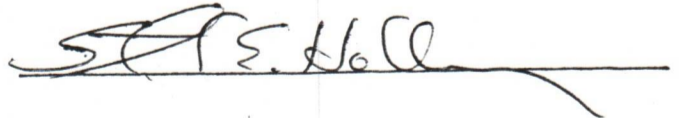
$$PWS = 1525 + (0.25) \left(\frac{1525}{100} \right) \left(\frac{5914}{100} \right)$$

$$PWS = 1525 + (0.25) (15.25) (59.14)$$
$$PWS = 1525 + 225.47$$
$$PWS = 1750$$

PWS = Bottom Hole Pressure
PWH = Top Hole Pressure
D = Depth of Well Casing

AFFIDAVIT

I, Stephen E. Holloway, having been first sworn according to law, state that I have calculated the percentage of footage of the producing interval which is not Devonian Shale as indicated by a Gamma Ray index of less than 0.7 if a Gamma Ray log described in subparagraph (3)(1) or (3)(ii)(A) has been filed, or as indicated by the report described in subparagraph (3)(ii)(B); I have demonstrated that the percentage of potentially disqualifying non-shale footage is equal to or less than five (5) percent of the gross Devonian age interval; and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high-cost natural gas well.



STATE OF WEST VIRGINIA

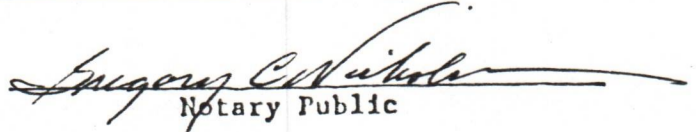
COUNTY OF GILMER, TO-WIT:

I, Gregory C. Nicholson, a ~~Notary Public~~ ^{COMMISSIONER} in and for the state and county aforesaid, do certify that Stephen E. Holloway, whose name is signed to the writing above, bearing date the 15th day of August, 19 85, has acknowledged the same before me, in my county aforesaid.

09/29/2023

Given under my hand and official seal this 15th day of August, 19 85.
My term of office expires on the 16th day of September, 19 92.

(NOTARIAL SEAL)


Notary Public

Operator: WACO OIL & GAS COMPANY, INC.

Agent: Stephen E. Holloway

Type Determination being sought - 107 (Devonian Shale)

PI Well No.: 47-021- 4196

Well Name: Waco #306 - Ayers

West Virginia Office of Oil and Gas References:

County: Gilmer

SJA File No.

Volume _____ Page _____ Line _____

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

II. Gamma Ray evaluation indices:

A. Shale Base Line (API Units)

- 1. GR Value at Base Line = 178.55 * API Units
- 2. Remarks:

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

- 1. GR Value = 178.55 * API Units
- 2. Calculation: $0.7 \text{ (GR Value at Base Line)} = 0.7 \text{ (} \underline{178.55} \text{ *)} = \underline{124.99}$ API Units

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

Interval		Thickness of Interval Feet	Feet of less than* 0.7 (Shale Base Line) Feet
From**	To***		
2122	- 2699	577	35
2699	- 3034	335	0
3034	- 3085	51	10.5
3085	- 3451	366	0
3451	- 3517	66	3
3517	- 3813	296	0
3813	- 3997	184	4
3997	- 4598	601	0
4598	- 4726	128	17
4726	- 4872	146	0
4872	- 4882	10	5
4882	- 5092	210	0
5092	- 5102	10	2
5102	- 5848	746	0
5848	- 5926	78	2

Total Devonian Interval 3804

Total Less Than 0.7 (Shale Base) 74

% Less than 0.7 (Shale Base Line) = $\frac{74}{3804} \times 100 = 1.95\%$

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

09/29/2023

8,600'

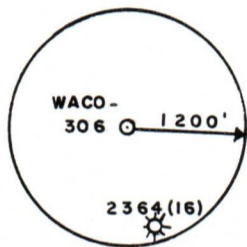
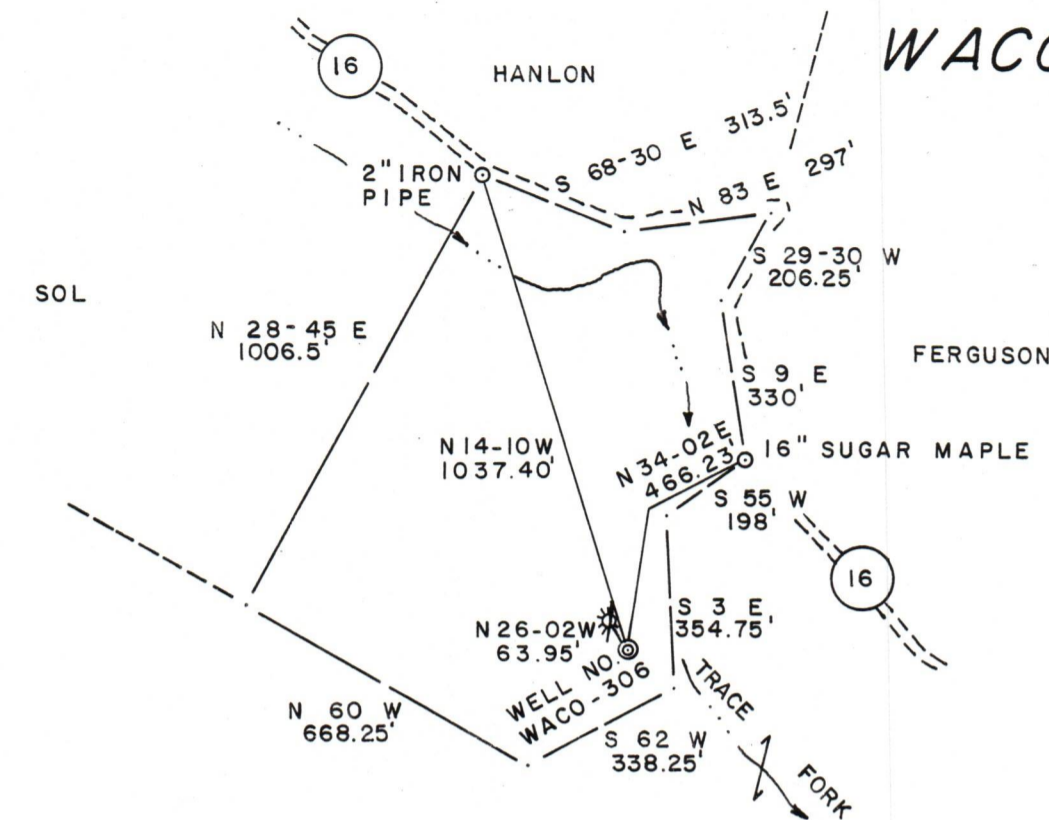
LATITUDE 39° 00' 00"

"AYERS" LEASE WELL NO.

WACO-306

LONGITUDE 80° 57' 30"

NORTH

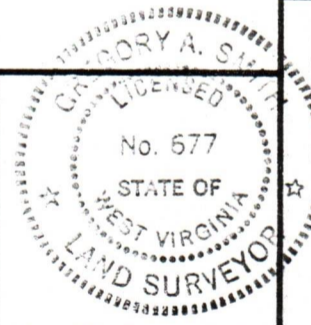


AYERS et. al.

17.6 ACRES ±

FILE NO. 12-79
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 / 200
 PROVEN SOURCE OF ELEVATION B. M. 781'

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



PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6 (8-78)



DATE APRIL 18, 1984
 OPERATOR'S WELL NO. WACO - 306
 API WELL NO. 47 - 021 - 4196
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 761' WATER SHED TRACE FORK OF TANNER CREEK
 DISTRICT DEKALB COUNTY GILMER
 QUADRANGLE TANNER 7.5'
 SURFACE OWNER MICKEY SUE HANLON ACREAGE 17.6
 OIL & GAS ROYALTY OWNER LOUIS AYERS et. al. LEASE ACREAGE 17.6 09/29/2023
 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 ELK ESTIMATED DEPTH 4950'
 WELL OPERATOR WACO OIL & GAS CO., INC. DESIGNATED AGENT KENNY GREENLIEF
 ADDRESS P.O. BOX 4 ADDRESS P.O. BOX 4
GLENVILLE, WV. 26351 GLENVILLE, WV. 26351