



1) Date: August 8, 19 84
 2) Operator's Well No. Zinn #1B
 3) API Well No. 47 - 021 - 4236
 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: 1191' Watershed: Road Run LK 75G
 District: Troy County: Gilmer Quadrangle: Auburn 7.5'
- 6) WELL OPERATOR Waco Oil & Gas Co., Inc.
 Address 1297 N. Lewis Street
Glenville, WV 26351
- 7) DESIGNATED AGENT Kenneth Greenlief
 Address 1297 N. Lewis Street
Glenville, WV 26351
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Deo Mace
 Address Route 1, Box 5
Sandridge, WV 25274
- 9) DRILLING CONTRACTOR:
 Name I.L. Morris Well Service, Inc.
 Address 1297 N. Lewis Street
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, Elk
- 12) Estimated depth of completed well, 5700 feet
- 13) Approximate trata depths: Fresh, 250 feet; salt, none feet.
- 14) Approximate coal seam depths: none Is coal being mined in the area? Yes No
- 15) CASING AND TUBING PROGRAM

RECEIVED
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 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									Depths set -
Intermediate	8 5/8	J	20 lb.	X		900'	900'	225 sks. <u>CTS</u>	Perforations: <u>as required by rule 15.01</u>
Production	4 1/2	J	10.5	X			5700'	525 sks.	
Tubing									Top Bottom
Liners									

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-021-4236 Date August 29, 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 August 29, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>168</u> BLANKET	Agent: <u>ls</u>	Plat: <u>MU MU</u>	Casing: <u>MU MU</u>	Fee: <u>1123</u>
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Margaret Hesse
 Administrator, Office of Oil and Gas

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



OFFICE USE ONLY

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

1. WELL LOCATION: 1191, Road 800, Greenfield, WV 26331

2. WELL OPERATOR: Waco Oil & Gas Co., Inc., 1297 N. Lewis Street, Greenfield, WV 26331

3. DRILLING CONTRACTOR: I.L. Morris Well Service, Inc., 1297 N. Lewis Street, Greenfield, WV 26331

4. PROPOSED WELL WORK: Route 1, Box 5, Sandbridge, WV 26374

5. OIL & GAS INSPECTOR TO BE NOTIFIED: Neo Waco, Route 1, Box 5, Sandbridge, WV 26374

6. DELEGATED AGENT: Kenneth Greenfield, 1297 N. Lewis Street, Greenfield, WV 26331

7. APPROXIMATE TRAIN DEPTH: 250 feet

8. APPROXIMATE CASING DEPTH: 250 feet

9. APPROXIMATE CASING WEIGHT: 2700 lbs

10. APPROXIMATE CASING LENGTH: 250 feet

11. APPROXIMATE CASING WEIGHT PER FOOT: 10.8 lbs

12. APPROXIMATE CASING WEIGHT PER FOOT: 10.8 lbs

13. APPROXIMATE CASING WEIGHT PER FOOT: 10.8 lbs

14. APPROXIMATE CASING WEIGHT PER FOOT: 10.8 lbs

15. APPROXIMATE CASING WEIGHT PER FOOT: 10.8 lbs

16. APPROXIMATE CASING WEIGHT PER FOOT: 10.8 lbs

17. APPROXIMATE CASING WEIGHT PER FOOT: 10.8 lbs

18. APPROXIMATE CASING WEIGHT PER FOOT: 10.8 lbs

19. APPROXIMATE CASING WEIGHT PER FOOT: 10.8 lbs

20. APPROXIMATE CASING WEIGHT PER FOOT: 10.8 lbs

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:

Reason:

Inspection Type	Date	Inspector
Other Inspection	12/01/2023	Inspector Name



1) Date: August 8, 19 84
 2) Operator's Well No. Zinn #1B
 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: 1191' Watershed: Road Run LK 75 G
 District: Troy County: Gilmer Quadrangle: Auburn 7.5'
- 6) WELL OPERATOR Waco Oil & Gas Co., Inc. 7) DESIGNATED AGENT Kenneth Greenlief
 Address 1297 N. Lewis Street Address 1297 N. Lewis Street
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 Route 1, Box 5 Address 1297 N. Lewis Street
Bandridge, WV 25274 Glenville, WV 26351
- 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, Ell
 12) Estimated depth of completed well, 5700 feet
 13) Approximate trata depths: Fresh, 250 feet; salt, none feet.
 14) Approximate coal seam depths: none 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									Kinds
Fresh water									
Coal									Sizes
Intermediate	<u>8 5/8</u>	<u>J</u>	<u>20 lb.</u>	<u>X</u>		<u>900'</u>	<u>900'</u>	<u>225 sks.</u>	<u>CT-3</u>
Production	<u>4 1/2</u>	<u>J</u>	<u>10.5</u>	<u>X</u>			<u>5700'</u>	<u>525 sks.</u>	Depths set
Tubing									<u>as required by rule</u>
Liners									Perforations: <u>1501</u>
									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 Margaret J. Hesse
 Its _____

12/01/2023
 Coal Owner



IV-9
Revised 11-81

DATE July 17, 1984
WELL NO. Zinn 1B
API NO. 47-021-4236

Rec'd. (WFSCD)
JUL 20 1984

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

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

DESIGNATED AGENT Kenneth Greenleaf
Address Glennville, WV 26351
Telephone (304) 462-5347
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: 8/3/84 (Date)

Kenneth E Knight (SCD Agent)

ON SITE REVIEW
7/30/84

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.

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 DRAIN (B)
15% - 60' Apart, 20% - 45' Apart, 3-5% - 135' apart
Spacing As shown on sketch.
with riprapped outlet
Page Ref. Manual 2-11

Structure SEDIMENT BARRIER (2)
Material Brush & Stone
Page Ref. Manual 2-16

Structure CULVERT (18" min. I.D.) (C)
As shown on plan. (according to O&G Man.)
Spacing at natural drains.
with riprapped outlet
Page Ref. Manual 2-14

Structure FILTER STRIP (3)
Material Undisturbed Nat. Vegetation.
Page Ref. Manual 2-16

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.

Structure SEDIMENT BARRIER (D)
Material Hay or Straw Bales
Page Ref. Manual 2-16

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DEPT. OF MINES

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.

PLAN PREPARED BY S. E. Holo
ADDRESS Waco Oil & Gas Co., Inc.
Glennville, WV 26351
PHONE NO. (304) 462-5347

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

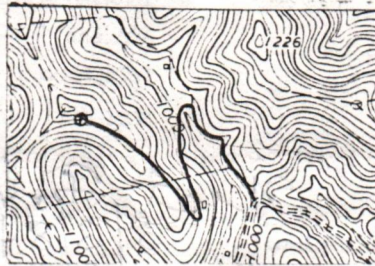
12/01/2023

ATTACH OR PHOTOCOPY SECTION OF
 INVOLVED TOPOGRAPHIC MAP.
 QUADRANGLE Auburn 2.5'

LEGEND

Well Site ⊕

Access Road ———



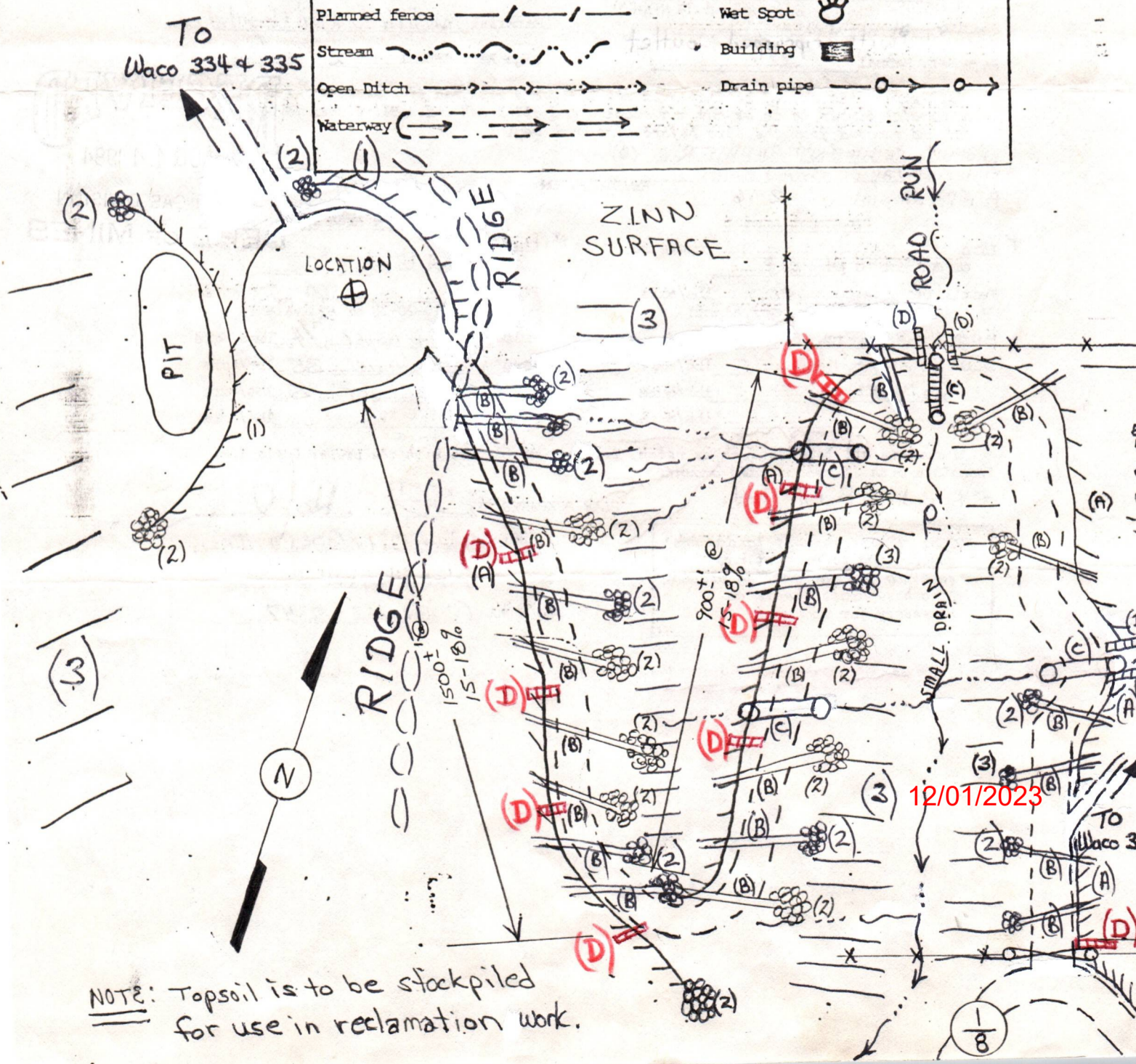
WELL SITE PLAN

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 X.

LEGEND

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



NOTE: Topsoil is to be stockpiled for use in reclamation work.

12/01/2023

1) Date: August 8, 19 84
2) Operator's Well No. Zinn #1B
3) API Well No. 47 - 021 - 4236
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 Scott Zinn
Address Cox's Mill, WV 26342
- (ii) Name _____
Address _____
- (iii) Name _____
Address _____

5(i) COAL OPERATOR n/a
Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name n/a
Address _____

Name _____
Address _____

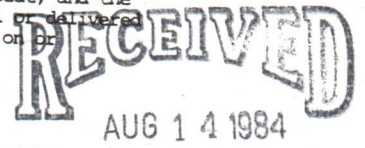
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name n/a
Address _____

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

Kenneth Greenlief,
this 8th day of August, 19 84.
My commission expires 9/16, 19 90.

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

WELL OPERATOR WACO OIL & GAS CO., INC.
By Kenneth Greenlief
Its Agent
Address 1297 N. Lewis Street
Glennville, WV 26351
Telephone (304) 462-5347

12/01/2023

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>
Scott Zinn	Waco Oil & Gas Co.	1/8	344-161



1) Date: August 8, 19 84
 2) Operator's Well No. Zinn #18
 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 /
 B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 1191' / Watershed: Road Run
 District: Troy / County: Gilmer / Quadrangle: Auburn 7.5'
- 6) WELL OPERATOR Waco Oil & Gas Co., Inc. / 7) DESIGNATED AGENT Kenneth Greenlief
 Address 1297 N. Lewis Street / Address 1297 N. Lewis Street
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 Route 1, Box 5 / Address 1297 N. Lewis Street
Bandridge, 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, Flk
 12) Estimated depth of completed well, 5700 feet
 13) Approximate trata depths: Fresh, 250 feet; salt, none feet.
 14) Approximate coal seam depths: none Is coal being mined in the area? Yes / No

RECEIVED
 AUG 14 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		Kinds	Sizes
Conductor										
Fresh water										
Coal										
Intermediate	<u>8 5/8</u>	<u>J</u>	<u>20 lb.</u>	<u>X</u>		<u>900'</u>	<u>900'</u>	<u>225 sks.</u>		
Production	<u>4 1/2</u>	<u>J</u>	<u>10.5</u>	<u>X</u>			<u>5700'</u>	<u>525 sks.</u>		Depths set
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)
Scott Zinn Date: 8-10-84
 (Signature)
 _____ Date: _____
 (Signature)

**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.

FERC



IV-35
(Rev 8-81)

Date July 30, 1985

State of West Virginia
Department of Mines
Oil and Gas Division

Operator's Well No. IB
Farm Zinn
API No. 47 - 021 - 4236

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: 1191 Watershed Road Run
District: Troy County Gilmer Quadrangle Auburn

COMPANY WACO OIL & GAS CO., INC.
ADDRESS Glenville, WV 26351
DESIGNATED AGENT Stephen E. Holloway
ADDRESS Glenville, WV 26351
SURFACE OWNER Scott Zinn
ADDRESS Cox's Mills, WV
MINERAL RIGHTS OWNER Scott Zinn
ADDRESS Cox's Mills, WV
OIL AND GAS INSPECTOR FOR THIS WORK _____
Deo mace ADDRESS Sandridge, WV
PERMIT ISSUED 8/29/84
DRILLING COMMENCED 1/30/85
DRILLING COMPLETED 2/4/85
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	1071	1071	to surface
7'			
5 1/2			
4 1/2		5907	700 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Elk Depth 5700 feet
Depth of completed well 5995 feet Rotary X / Cable Tools _____
Water strata depth: Fresh 66' feet; Salt None feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Alexander, Benson Pay zone depth see treatment feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 978 Mcf/d Oil: Final open flow show Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1440 psig (surface measurement) after 48 hours shut in
(If applicable due to multiple completion--)
Second producing formation 2nd Riley, Balltown 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
4236

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

Alexander - 5047 to 5221 - 500 Gal 15% hcl, (40,000# 20-40) 22 MCF N₂

Benson - 4856 to 4860 - 500 Gal 15% Hcl, (30,000# 20-40) 30 MCF N₂

2nd Riley - 4452 to 4474 - 500 Gal 15% hcl, (10,000# 80-100) (20,000# 20-40), 20 MCF N₂

Galltown - 3931 to 4012 - 500 Gas 15% Hcl, (20,000# 20-40) 20 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
Soil			0	2	
Redrock, Shale			2	48	
Sand, Shale, Redrock			48	509	Hole damp @ 66'
Sand, Shale			509	1950	
Lirrlw Lime			1950	1990	
Blue Monday			1990	2010	
BigLime			2010	2064	
Keener			2064	2100	
Big Injun			2100	2150	
Sand, Shale			2150	3282	
Speechly Section			3282	3930	
Balltown Section			3930	4450	
Riley Section			4450	4856	
Benson			4856	4880	
Shale			4880	5040	
Alexander			5040	5160	
Shale			5160	5208	
Elk			5208	5218	gas @ TD 3/10 - 2" w/w
Shale			5218	5995	TD

(Attach separate sheets as necessary)

WACO OIL & GAS CO., INC.

Well Operator

By: Noble W. Zickefoose (Geologist) 12/01/2023

Date: 8/1/85

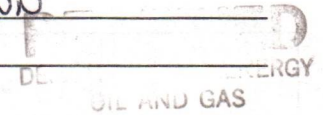
Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

8-29-84

INSPECTOR'S PERMIT SUMMARY FORM

WELL TYPE _____
ELEVATION _____
DISTRICT TROY
QUADRANGLE _____
COUNTY GILMER

API# 47-021-4236
OPERATOR WACO OIL & GAS
TELEPHONE _____
FARM SCOTT ZINN
WELL # 1B



SURFACE OWNER _____ COMMENTS _____ TELEPHONE _____
TARGET FORMATION _____ DATE APPLICATION RECEIVED _____
DATE STARTED _____ APR 22 1986
LOCATION _____ NOTIFIED _____ DRILLING COMMENCED _____

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

CASING

Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
TD _____ feet on _____

PLUGGING

Type	From	To	Pipe Removed

Pit Discharge date: _____ Type _____
Field analysis ph _____ fe _____ cl _____
Well Record received _____

Date Released 4/18/86

Craig Duckworth 12/01/2023
Inspector's signature

API# 47 _____ - _____

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Notes

1.0 API well number: (If not available, leave blank. 14 digits.)	47-021-4236																
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.)	5221 feet																
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	<table style="width:100%; border: none;"> <tr> <td style="border: none;">Name</td> <td style="border: none; text-align: right;">019942 Seller Code</td> </tr> <tr> <td colspan="2" style="border: none;">WACO OIL AND GAS CO., INC.</td> </tr> <tr> <td colspan="2" style="border: none;">PO Box 397</td> </tr> <tr> <td colspan="2" style="border: none;">Street</td> </tr> <tr> <td style="border: none;">City</td> <td style="border: none;">WV State</td> </tr> <tr> <td style="border: none;">Glenville</td> <td style="border: none; text-align: right;">26351 Zip Code</td> </tr> </table>	Name	019942 Seller Code	WACO OIL AND GAS CO., INC.		PO Box 397		Street		City	WV State	Glenville	26351 Zip Code				
Name	019942 Seller Code																
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PO Box 397																	
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Glenville	26351 Zip Code																
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Road Run																	
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Area Name	Block Number																
na	na																
Date of Lease:																	
Mo.	Day	Yr.	OCS Lease Number														
na	na	na	na														
(c) Name and identification number of this well: (35 letters and digits maximum.)	Zinn #1B																
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	na																
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	<table style="width:100%; border: none;"> <tr> <td style="border: none;">Name</td> <td style="border: none; text-align: right;">004228 Buyer Code</td> </tr> <tr> <td colspan="2" style="border: none;">Consolidated Gas Supply</td> </tr> </table>	Name	004228 Buyer Code	Consolidated Gas Supply													
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Mo.	Day	Yr.															
na	na	na															
(c) Estimated annual production:	16 MMcf.																
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	
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9.0 Person responsible for this application:	<table style="width:100%; border: none;"> <tr> <td style="border: none;">Name</td> <td style="border: none;">Stephen E. Holloway</td> <td style="border: none;">Title</td> <td style="border: none;">Agent</td> </tr> <tr> <td colspan="4" style="border: none; text-align: center;"> </td> </tr> <tr> <td colspan="4" style="border: none;">Signature</td> </tr> <tr> <td style="border: none;">Date Application is Completed</td> <td style="border: none;">August 1, 1985</td> <td style="border: none;">Phone Number</td> <td style="border: none;">304-462-5741</td> </tr> </table>	Name	Stephen E. Holloway	Title	Agent					Signature				Date Application is Completed	August 1, 1985	Phone Number	304-462-5741
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Agency Use Only																	
Date Received by Juris. Agency																	
AUG - 2 1985																	
Date Received by FERC																	

AUG 30 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: August 1, 19 85

- 51800

AGENCY USE ONLY

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

Address: PO BOX 397

Glenville, WV 26351

Gas Purchaser Contract No. na

Date of Contract na
(Month, day and year)

First Purchaser: Consolidated Gas Supply

Address: PO Box 2450
(Street or P.O. Box)

Clarksburg WV 26302
(City) (State) (Zip Code)

FERC Seller Code 019942

WELL DETERMINATION FILE NUMBER

850802 -1030-021 - 4236

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

(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 Build

- 103 New Onshore Production Well
- XXXX 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
12/01/2023

Date Received

Determination Date

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

Date August 1, 1985

Operator's Well No Zinn #1B

API Well No. 47 - 021 - 4236
State County Permit

WELL CLASSIFICATION FORM

NEW ONSHORE PRODUCTION WELL

WGA Section 103

DESIGNATED AGENT Stephen E. Holloway

ADDRESS PO Box 397
Glenville, WV 26351

WELL OPERATOR Waco Oil & Gas Co., Inc.
ADDRESS PO Box 397
Glenville, WV 26351

LOCATION: Elevation 191'
Watershed Road Run
Dist. Troy County Gilmer Quad. Auburn

GAS PURCHASER Consolidated Gas Supply
ADDRESS PO Box 2450
Clarksburg, WV 26301

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

* * * * *

Date surface drilling was begun: January 30, 1985

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

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

$$PWS = 1440 + (0.25) \left(\frac{1440}{100} \right) \left(\frac{5970}{100} \right)$$

$$PWS = 1440 + (0.25) (14.4) (59.07)$$

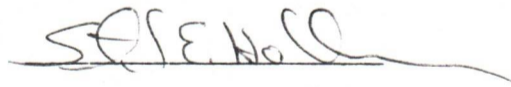
$$PWS = 1440 + 212.65$$

$$PWS = 1653$$

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 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:

COMMISSIONER

I, Gregory C. Nicholson, ~~Notary Public~~ 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 1 day of August, 1985, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 1 day of August, 1985

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

[NOTARIAL SEAL]


Notary Public

12/01/2023

12/01/2023

<p>1.0 API well number: (If not available, leave blank. 14 digits.)</p>	<p>47-021-4236</p>															
<p>2.0 Type of determination being sought: (Use the codes found on the front of this form.)</p>	<p>107 Section of NGPA</p>															
<p>3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)</p>	<p>5221 feet</p>															
<p>4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)</p>	<p style="text-align: right; font-weight: bold; font-size: 1.2em;">RECEIVED</p> <p style="text-align: right; font-weight: bold;">AUG 14 1985</p> <p style="text-align: right; font-size: 0.8em;">DIVISION OF OIL & GAS DEPARTMENT OF ENERGY</p> <p>WACO OIL & GAS CO., INC. Name PO Box 397 Street Glenville, WV 26351 City State Zip Code</p>															
<p>5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)</p>	<p>Road Run Field Name Gilmer WV County State</p>															
<p>(b) For OCS wells:</p>	<p>na na Area Name Block Number</p> <p style="text-align: center;">Date of Lease: Mo. Day Yr. na OCS Lease Number</p>															
<p>(c) Name and identification number of this well: (35 letters and digits maximum.)</p>	<p>Zinn #1B</p>															
<p>(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)</p>	<p>na</p>															
<p>6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)</p>	<p>Consolidated Gas Supply 004228 Name Buyer Code</p>															
<p>(b) Date of the contract:</p>	<p>Mo. Day Yr. na</p>															
<p>(c) Estimated annual production:</p>	<p>17 MMcf.</p>															
<p>7.0 Contract price: (As of filing date. Complete to 3 decimal places.)</p>	<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>7.0 Contract price:</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>8.0 Maximum lawful rate:</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:	na	na	na	na	8.0 Maximum lawful rate:	na	na	na	na
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<p>8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)</p>																
<p>9.0 Person responsible for this application:</p>	<p>Stephen E. Holloway Agent Name Title</p> <p style="text-align: center; font-size: 1.5em;"><i>Stephen E. Holloway</i></p> <p>Signature</p> <p>August 9, 1985 304-462-5347 Date Application is Completed Phone Number</p>															
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center; font-size: 0.8em;">Agency Use Only</td> </tr> <tr> <td style="text-align: center;">Date Received by Juris. Agency</td> </tr> <tr> <td style="text-align: center; font-size: 1.2em;">AUG 14 1985</td> </tr> <tr> <td style="text-align: center;">Date Received by FERC</td> </tr> </table>	Agency Use Only	Date Received by Juris. Agency	AUG 14 1985	Date Received by FERC												
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12/01/2023

DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

AGENCY USE ONLY

Dev

Date: August 9, 1985 -51800

Applicant's Name: Waco Oil & Gas Co., Inc.

Address: PO Box 397
Glenville, WV 26351

Gas Purchaser Contract No. na

Date of Contract (Month, day and year) na

First Purchaser: Consolidated Gas Supply

Address: PO Box 2450
(Street or P.O. Box) Clarksburg WV 26351
(City) (State) (Zip Code)

FERC Seller Code 019942

WELL DETERMINATION FILE NUMBER

850814 -1073-021-4236

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
(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
- 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
 - 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

12/01/2023

RECEIVED
AUG 14 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date Received

Determination Date

Type Determination being sought - 107 (Devonian Shale)

API Well No.: 47-021-4236

Well Name: Zinn #1B

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 = 144.43 * API Units
2. Remarks:

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

1. GR Value = 144.43 * API Units
2. Calculation: $0.7 \text{ (GR Value at Base Line)} = 0.7 \text{ (} \underline{144.43} \text{ *)} = \underline{101.1} API Units$

II. 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***		
2542	2950	408	14
2950	3280	330	0
3280	3540	260	13
3540	3950	410	0
3950	3960	10	1
3960	5020	1060	0
5020	5220	200	15.5
5220	5976	756	

Total Devonian Interval

3434

Total Less Than 0.7 (Shale Base)

43.5

% Less than 0.7 (Shale Base Line) = $\frac{43.5}{3434} \times 100 = 1.27\%$

*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.

12/01/2023

DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's
Well No. Zinn #1B

API Well No.

47 - 021 - 4236
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 1191'

Watershed Road Run

Dist. Troy County Gilmer Quad. Auburn

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: January 30, 1985

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

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

$$PWS = 1440 + (0.25) \left(\frac{1440}{100}\right) \left(\frac{5907}{100}\right)$$

$$PWS = 1440 + (0.25) (14.40) (59.07)$$

$$PWS = 1440 + 212.65$$

$$PWS = 1653$$

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)(i) 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.

Stephen E. Holloway

STATE OF WEST VIRGINIA

COUNTY OF GILMER, TO-WIT:

COMMISSIONER

I, Gregory C. Nicholson, a ~~Notary Public~~ in and for the state and county

aforsaid, do certify that Stephen E. Holloway, whose name is signed to the writing above, bearing date the 9th day of August, 19 85, has acknowledged the same before me, in my county aforsaid.

12/01/2023

Given under my hand and official seal this 9th day of August, 19 85.

My term of office expires on the 16th day of September, 19 92.

(NOTARIAL SEAL)

Gregory C. Nicholson
Notary Public

2712 8/28/84

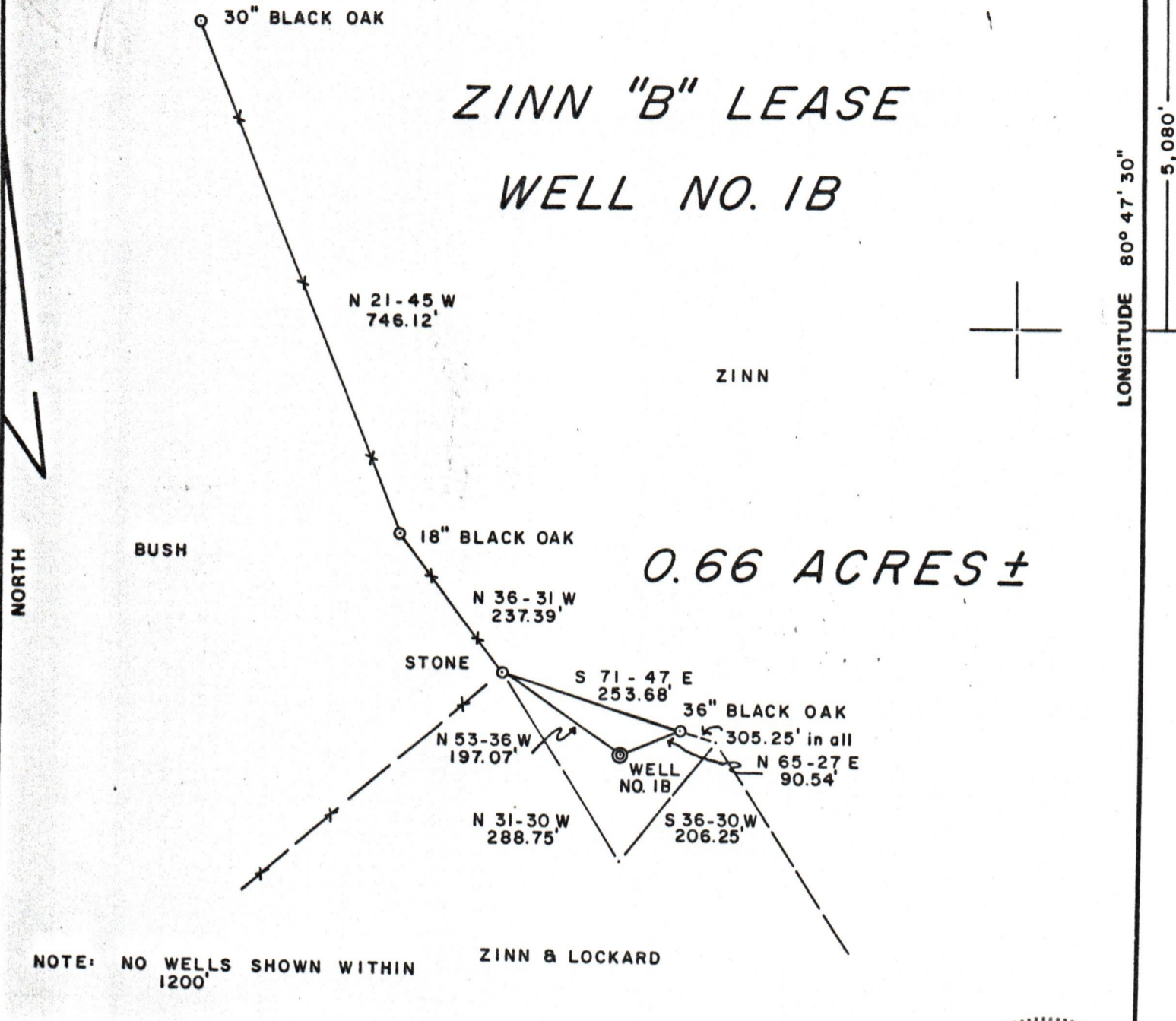
1,710'

LATITUDE 39° 02' 30"

ZINN "B" LEASE

WELL NO. 1B

LONGITUDE 80° 47' 30" 5,080'



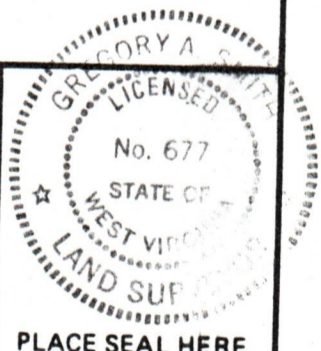
0.66 ACRES ±

NOTE: NO WELLS SHOWN WITHIN 1200'

ZINN & LOCKARD

FILE NO. 11-24
 DRAWING NO. _____
 SCALE 1" = 200'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB
 ELEV. 1226'

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)



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE JULY 20, 19 83
 OPERATOR'S WELL NO. 1B
 API WELL NO. 47-021-4236
 STATE 47 COUNTY 021 PERMIT 4236

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1191' WATER SHED ___ ROAD RUN ___
 DISTRICT TROY COUNTY GILMER
 QUADRANGLE AUBURN 7.5'
 SURFACE OWNER SCOTT ZINN ACREAGE 0.66
 OIL & GAS ROYALTY OWNERS SCOTT ZINN & MARY ALICE LOCKARD LEASE ACREAGE 0.66
 LEASE NO. _____

12/01/2023

PROPOSED WORK: DRILL X 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 5400'
 WELL OPERATOR WACO OIL & GAS CO., INC. DESIGNATED AGENT KENNY GREENLIEF
 ADDRESS P. O. BOX 4 ADDRESS P. O. BOX 4
GLENNVILLE, WV 26351 GLENNVILLE, WV 26351