



1) Date: August 2, 19 84  
 2) Operator's Well No. Waco #333- Zinn "H"  
 3) API Well No. 47 - 021 - 4232  
 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: 916' Watershed: Bloody Run (LK 75K1)  
 District: Troy 4 County: Gilmer Quadrangle: Auburn 7.5' 229
- 6) WELL OPERATOR Waco Oil & Gas Co., Inc. 51800 7) DESIGNATED AGENT Kenneth Greenlief  
 Address 1297 N. Lewis Street  
 Glenville, WV 26351 Address 1297 N. Lewis Street  
 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  
 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, Elk  
 12) Estimated depth of completed well, 5600' feet  
 13) Approximate trata depths: Fresh, 240' feet; salt, none feet.  
 14) Approximate coal seam depths: none Is coal being mined in the area? Yes

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 DEPT. OF MINES

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILLED OR SACKS (Cubic feet)	Kinds
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									
Fresh water									
Coal									Sizes
Intermediate	8 5/8		20	X		925'	925'	CTS Neat	
Production	4 1/2		10.5	X			5600'	600 sacks	Depths set
Tubing								or as by rule	15.01
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-021-4232 Date August 17, 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 17, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: 168 BLANKET	Agent: [Signature]	Plat: MU	Casing: MU	Fee: 1119
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[Signature]  
 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: District: 1707 County: Lincoln Elevation: 1000 B (E) Gas Production: X Depth: 1000

2) WELL OPERATOR: Lincoln Gas Co., Inc. Address: 1207 N. Lewis Street, Glenview, WV 26031

3) DESIGNATED AGENT: Tommy G. Gresham Address: 1207 N. Lewis Street, Glenview, WV 26031

4) DRILLING CONTRACTOR: Tommy G. Gresham Address: 1207 N. Lewis Street, Glenview, WV 26031

5) PROPOSED WELL WORK: Drill X Re-drill Re-work Plug off old formation Partially new formation Other physical change in well (specify):

6) GEOLOGICAL TARGET INFORMATION: None

7) Estimated depth of completed well: 1000 feet

8) Approximate depth of fresh: 1000 feet

9) Approximate coal seam depth: None

10) CASTING AND TUBING PROGRAM: None

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Casing or Tubing Type	Size	Grade	Weight	SPECS		Depth	Remarks
				Top	Bottom		

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		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason:	Inspected	By	Date

09/29/2023



1) Date: August 2, 1984  
 2) Operator's Well No. Waco #333- Zinn "H"  
 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 \_\_\_\_\_ / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X /)  
 5) LOCATION: Elevation: 916' Watershed: Bloody 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: Dee Mace Name: L. L. Morris Well Service, Inc.  
 Address: Route 1, Box 5 Address: 1297 N. Lewis Street  
Sandridge, 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, Elk  
 12) Estimated depth of completed well, 5600' feet  
 13) Approximate trata depths: Fresh, 240' feet; salt, none feet.  
 14) Approximate coal seam depths: none Is coal being mined in the area? Yes \_\_\_\_\_

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>3 5/8</u>		<u>20</u>	<u>X</u>		<u>925'</u>	<u>925'</u>	<u>CTS Neat</u>		
Production	<u>4 1/2</u>		<u>10.5</u>	<u>X</u>			<u>5600'</u>	<u>600 sacks</u>	<u>or as by rule 15.01</u>	Depths set
Tubing										
Liners										Perforations:
										Top Bottom

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 OIL & GAS DIVISION  
 DEPT. OF MINES

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

**VOLUNTARY STATEMENT OF NO OBJECTION**

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

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

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: \_\_\_\_\_  
 By \_\_\_\_\_  
 Its \_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_  
 (Signature) Date: 8-3-84  
 \_\_\_\_\_  
 (Signature) Date: \_\_\_\_\_



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

**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.

NAME: \_\_\_\_\_  
By: \_\_\_\_\_  
Date: \_\_\_\_\_

09/29/2023  
Surface Owner

1) Date: August 2, 19 84  
2) Operator's Well No. Waco #333 - Zinn "H"  
3) API Well No. 47 - 021 - 4232  
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 Coxs Mills, 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.

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OIL & GAS DIVISION  
DEPT. OF MINES

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 2nd day of August, 19 84.  
My commission expires 9/16, 19 90.

WELL  
OPERATOR WACO OIL & GAS CO., INC.

By Kenneth Greenlief  
Its Agent  
Address 1297 N. Lewis Street  
Glennville, WV 26351  
Telephone (304) 462-5347

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:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book Page
Scott Zinn	Waco Oil & Gas Co., Inc.	1/8	344/168
Mary Alice Lockard	Waco Oil & Gas Co., Inc.	1/8	344/168



IV-9  
Revised 11-81

DATE July 17, 1984  
WELL NO. Waco -333  
API NO. 47 - 021 - 4232

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. DESIGNATED AGENT Kenneth Greenleaf  
Address Glenville, WV 26351 Address Glenville, WV 26351  
Telephone (304) 462-5347 Telephone (304) 462-5347  
LANDOWNER Scott Zinn 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: 8/1/84 (Date)

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.

Kenneth E Knight (SCD Agent)

ON SITE REVIEW  
7/30/84

Structure DRAINAGE DITCH (A)  
(Inside Road Cuts)  
Spacing As shown on sketch  
Page Ref. Manual 2-12

Structure CROSS DRAIN (B)  
3% - 200' apart; 12-15% - 60' apart  
Spacing as shown on sketch  
with ripped outlet  
Page Ref. Manual 2-11

Structure CUIVERT (10" min. I.D.) (C)  
As shown on plan (according to O+G manual)  
Spacing at natural drains  
with ripped outlet  
Page Ref. Manual 2-7

Structure DIVERSION DITCH (1)  
Material Earthen  
Page Ref. Manual 2-12

Structure SEDIMENT BARRIER (2)  
Material logs & stone  
Page Ref. Manual 2-16

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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OIL & GAS DIVISION

DEPT. OF MINES

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

Treatment Area II	
* Lime	Tons/acre
or correct to pH <u>6.5</u>	
Fertilizer	lbs/acre
<u>500</u>	
(10-20-20 or equivalent)	
Mulch <u>H. Seed - paper</u>	Tons/acre
<u>3/4</u>	
Seed* <u>Orchardgrass</u>	lbs/acre
<u>10</u>	
<u>Red clover</u>	lbs/acre
<u>12</u>	
<u>Alsike clover</u>	lbs/acre
<u>4</u>	

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

09/29/2023

IV-9 REVERSE  
Revised 11-81

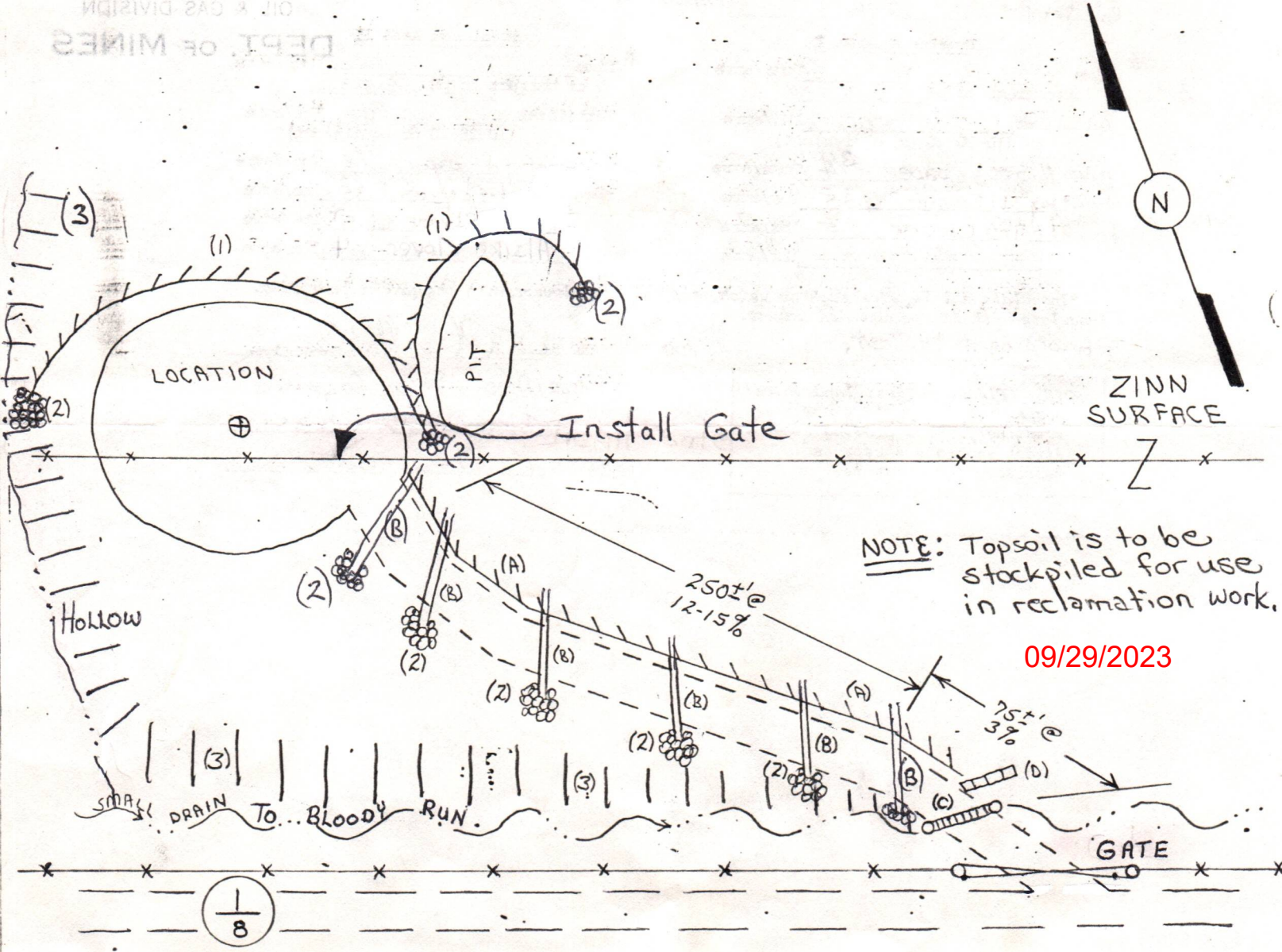
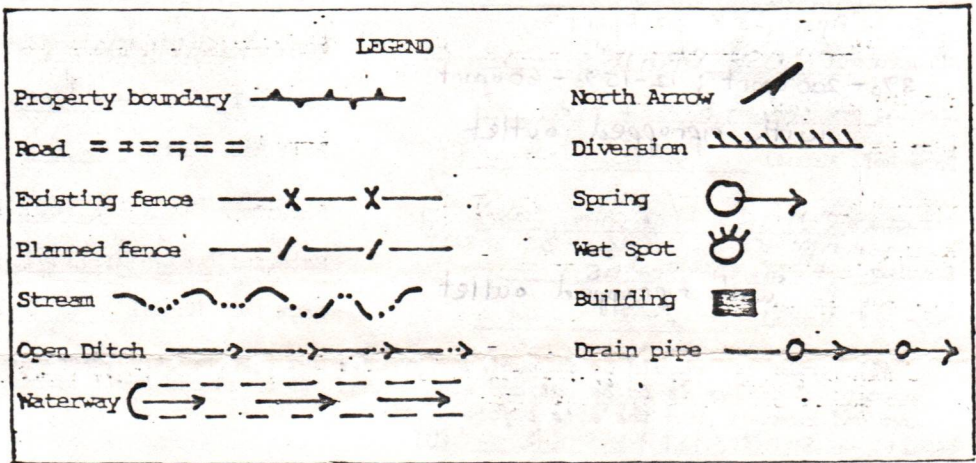
ATTACH OR PHOTOCOPY SECTION OF  
INVOLVED TOPOGRAPHIC MAP.  
QUADRANGLE Auburn 7.5'



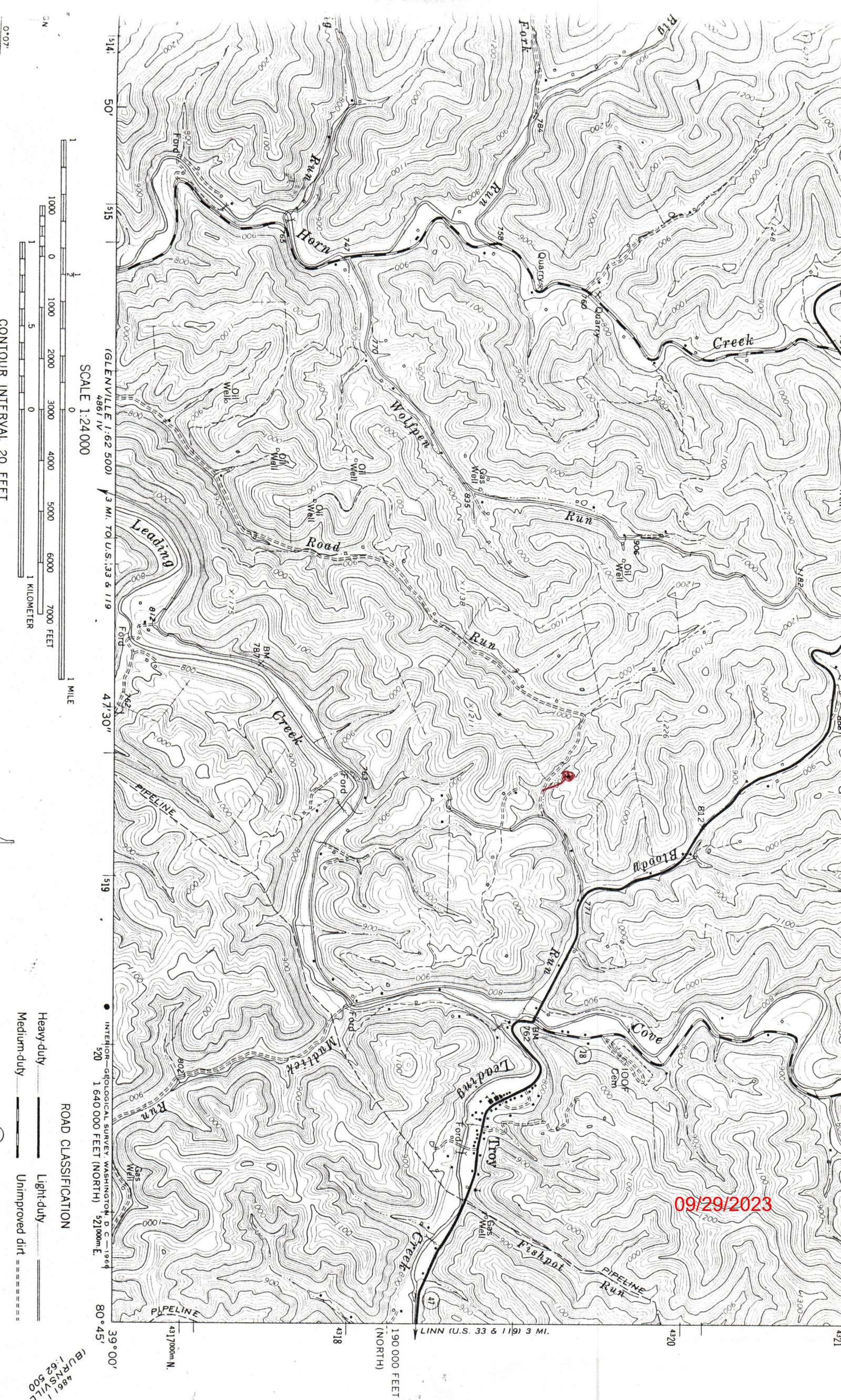
WELL SITE PLAN

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



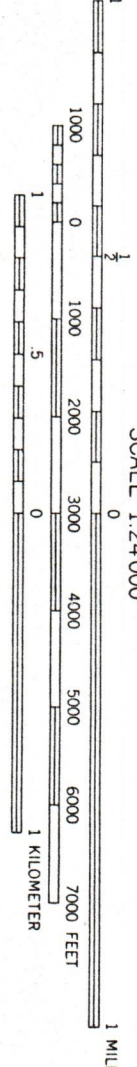




514 50' 515 519 80° 45' 39° 00'

(GLENNVILLE 1:62 500) 4861 IV 3 MI. TO U.S. 33 & 119 47' 30" LINN (U.S. 33 & 119) 3 MI.

SCALE 1:24000



ROAD CLASSIFICATION  
Heavy-duty  
Medium-duty  
Light-duty  
Unimproved dirt

09/29/2023

GLENNVILLE 1:62 500



IV-35  
(Rev 8-81)

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date March 4, 1985  
Operator's  
Well No. 333  
Farm Zinn  
API No. 47-021-4232

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

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

LOCATION: Elevation: 916 Watershed Bloody Run  
District: Troy County Gilmer Quadrangle Auburn

COMPANY WACO OIL & GAS CO., INC.  
ADDRESS Glenville, WV 26351  
DESIGNATED AGENT Kenneth Greenlief  
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 08/17/84  
DRILLING COMMENCED 01/17/85  
DRILLING COMPLETED 01/22/85  
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	802	802	200 sks. to surface
7'			
5 1/2			
4 1/2		5662	400 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Elk Depth 5150 feet  
Depth of completed well 5730 feet Rotary  / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh 53, 72 feet; Salt None feet  
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Elk, Benson, Riley, Balltown Pay zone depth see treatment feet  
Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 852 Mcf/d Final open flow Show Bbl/d  
Time of open flow between initial and final tests 4 hours  
Static rock pressure 1490 psig (surface measurement) after 48 hours shut in  
(If applicable due to multiple completion--)  
Second producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ 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

615  
4232

09/29/2023

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

Lower Elk - 5438 to 5520 - 500 Gal 15% Hcl, 700 MCF N<sub>2</sub>

Upper Elk - 4906 to 4916 - 500 Gal 15% Hcl, 900 MCF N<sub>2</sub>

Benson, 3rd Riley - 4412 to 4563 - 500 Gal 15% Hcl, 1000 MCF N<sub>2</sub>

2nd Riley, Balltown - 3757 to 4167 - 500 Gal 15% Hcl, 900 MCF N<sub>2</sub>

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	
Sand, Shale			2	148	Hole damp @ 53'
Sand, Shale, Red Rock			148	845	1/4" steam of water @ 72'
Sand, Shale			845	1676	
Little Lime			1676	1706	
Shale			1706	1721	
Big Lime			1721	1818	
Big Injun			1818	1861	
Sand, Shale			1861	2990	
Speechly Section			2990	3756	
Balltown Section			3756	4158	
Riley Section			4158	4558	
Benson			4558	4562	
Sand, Shale			4562	4902	
Upper Elk			4902	4932	
Shale			4932	5518	
Lower Elk			5518	5522	
Shale			5522	5730	TD

(Attach separate sheets as necessary)

WACO OIL AND GAS CO., INC.  
Well Operator

By: Kenneth Greenleif, Kenneth Greenleif

Date: March 4, 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  
JAN 24 1985

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 21-4232

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company WACO

Address \_\_\_\_\_

Farm Scott Zinn

Well No. 333

District Way County Sil

Drilling commenced 1-17-85

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 53 feet DAMP

~~Salt water~~ FRESH 1/4" 72 feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 3/4			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 D. L. Morris 7

Remarks:  
801' of 8 3/8" casing, 240 SKS cement, Dowell, 1-18-85

1-18-85  
DATE

D. L. 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: \_\_\_\_\_

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

DATE

09/29/2023

DISTRICT WELL INSPECTOR

21-4232

**SUBPOENA**

84-L-516  
Case No.

State of West Virginia, County of Calhoun

To The Sheriff of said County:

**RECEIVED**

You are hereby commanded in the name of the State of West Virginia to appear before

Das Mace Rt 1 Bx 65, Sandridge, WV to appear before JAN 24 3E

OIL & GAS DIVISION

DEPT. OF MINES

me, a magistrate, at my office at 328 - Second St. Parkersburg, WV

in said County, on the 18th day of January, at 1988, at

9:30 am o'clock a.m./p.m., to testify as a witness in behalf of

The plaintiff, in an action before me, in which

Eugene Breys is Plaintiff and

Jay Bee Oil is Defendant.

Give under my hand this 20th day of Dec, 1984

Ed Alonzo, Magistrate  
Signature of Magistrate  Assistant

SCA-M17, 12/76



DEPT. OF WIMES  
MAILING-PAD & LIT

U. S. MAIL

RECEIVED

5-14-49

18-Mar-85

**RECEIVED**  
DEPARTMENT OF ENERGY  
OIL AND GAS

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OFFICE OF OIL AND GAS  
CHARLESTON 25305  
FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT

JAN 8 1986  
(8-17-84)

Company: WACO OIL & GAS  
Farm: ZINN, SCOTT

Permit No. 47- 21-4232  
Well: 333 (ZINN "H") County: GILNER

Rule	Description	In Compliance	
		Yes	No
23.06	Notification prior to starting work	-----	-----
25.04	Prepped before drilling to prevent waste	-----	-----
25.03	High pressure drilling	-----	-----
16.01	Required permits at wellsite	-----	-----
15.03	Adequate Fresh Water Casings	-----	-----
15.02	Adequate Coal Casings	-----	-----
15.01	Adequate Production Casings	-----	-----
15.04	Adequate Cement Strength	-----	-----
15.05	Cement Type	-----	-----
23.02	Maintained Access Roads	-----	-----
25.01	Necessary Equipment to Prevent Waste	-----	-----
23.04	Reclaimed Drilling Pits	-----	-----
23.05	No Surface or Underground Pollution	-----	-----
23.07	Requirements for Production & Gathering Pipelines	-----	-----
16.01	Well Records on Site	-----	-----
16.02	Well Records Filed	-----	-----
7.05	Identification Markings	-----	-----

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED D. Mace

DATE 1-14-86

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

T. H. B.  
Administrator

January 16, 1986  
Date



**RECEIVED**  
DEPARTMENT OF ENERGY  
OIL AND GAS

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OFFICE OF OIL AND GAS  
CHARLESTON 25302  
FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT

Company: WACO OIL & GAS  
Farm: ZINN, SCOTT

Well: 333 (ZINN 'H') County: BILMER  
Permit No. A7-21-4232

(8-17-82)

Rule	Description	In Compliance
		Yes No
7.02	Identification Markings	
8.02	Well Records Filed	
14.01	Well Records on Site	
23.07	Requirements for Production & Gathering Pipelines	
23.05	No Surface or Underground Pollution	
23.04	Reclaimed Drilling Pits	
23.01	Necessary Equipment to Prevent Waste	
23.02	Maintained Access Roads	
15.05	Cement Type	
15.04	Adequate Cement Strength	
15.01	Adequate Production Casings	
15.02	Adequate Coal Casings	
15.03	Adequate Fresh Water Casings	
14.01	Required permits of wellsite	
15.03	High pressure drilling	
25.04	Prepared before drilling to prevent waste	
23.04	Notification prior to starting work	

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

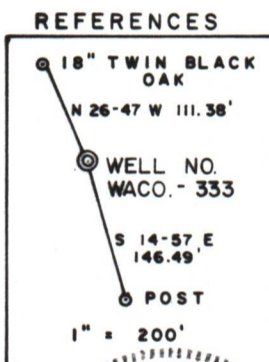
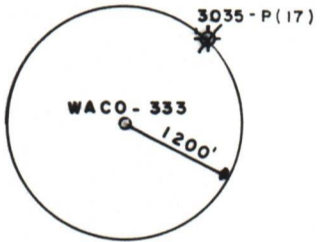
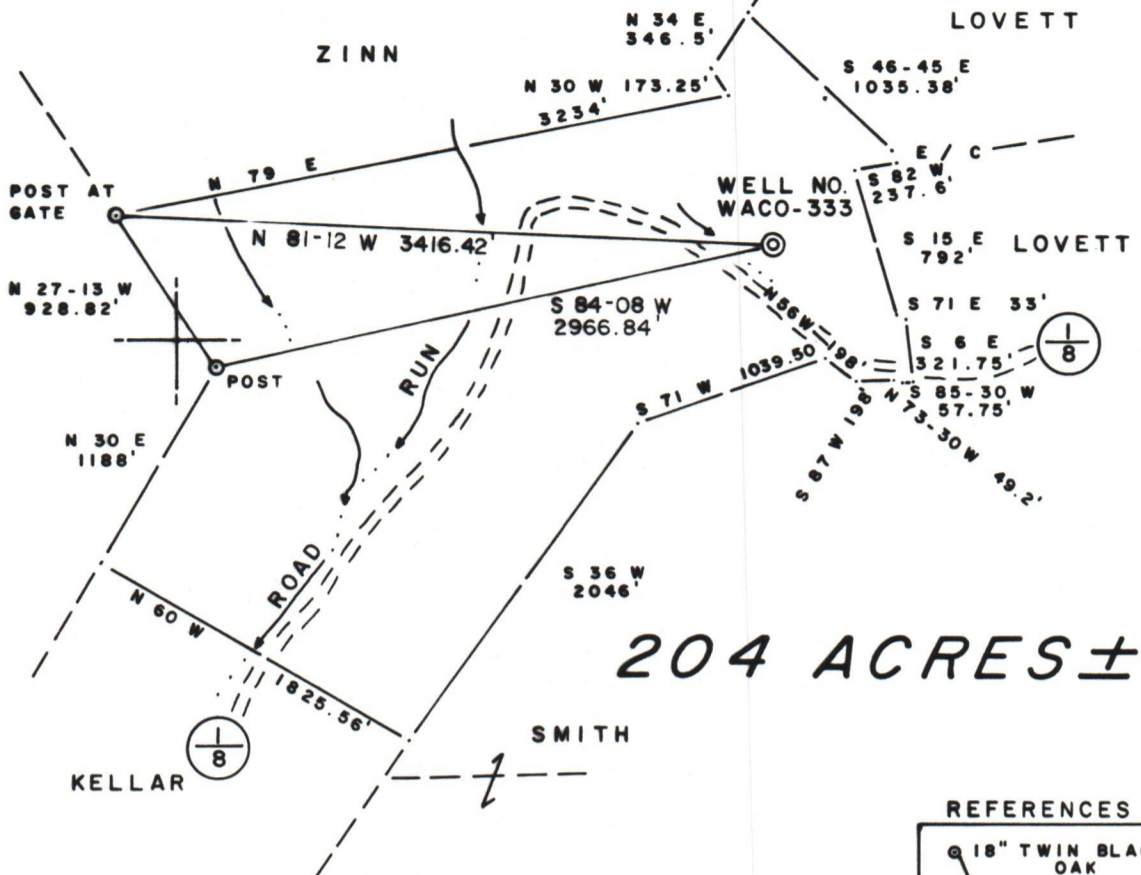
SIGNED \_\_\_\_\_  
DATE 1-14-82

Your well record was received and recclamation requirements approved. In accordance with Chapter 23, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

\_\_\_\_\_  
Administrator

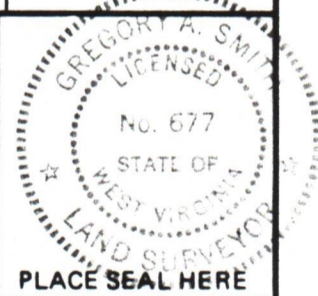
\_\_\_\_\_  
Date

8/13/84  
 10550'  
 LATITUDE 39° 02' 30"  
**ZINN "H" LEASE**  
**WELL NO. WACO - 333**



FILE NO. 14 - 56  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 / 200  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB  
 ELEV. 1211'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 (SIGNED) Gregory A. Smith  
 R.P.E. \_\_\_\_\_ L.L.S. 677



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



DATE JUNE 21, 19 84  
 OPERATOR'S WELL NO. WACO - 333  
 API WELL NO. \_\_\_\_\_  
47 - 021 - 4232  
 STATE COUNTY PERMIT

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

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 916' WATER SHED BLOODY RUN  
 DISTRICT TROY COUNTY GILMER  
 QUADRANGLE AUBURN 7.5'

SURFACE OWNER SCOTT ZINN, et al. ACREAGE 204  
 OIL & GAS ROYALTY OWNER SCOTT ZINN, et al. LEASE ACREAGE 204  
 LEASE NO. \_\_\_\_\_

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

09/29/2023

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION ELK ESTIMATED DEPTH 5150'  
 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