



1) Date: August 8, 19 84
 2) Operator's Well No. Waco #334 - Zinn "H"
 3) API Well No. 47 - 021 - 4238
 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: 950' Watershed: Road Run LK 75G
 District: TROY ~~Gilmer~~ 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
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, 5300 feet
 13) Approximate trata depths: Fresh, 80 feet; salt, none feet.
 14) Approximate coal seam depths: none Is coal being mined in the area? Yes No

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15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT MUD 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	J	20	X		550'	550'	125 sacks	CTS
Production	4 1/2	J	10.5	X			5300'	500 sacks	Depths set
Tubing									Perforations:
Liners									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-021-4238 August 29, 19 84
 Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires August 29, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BLANKET 168</u>	Agent: <u>LS</u>	Plat: <u>MU m+U</u>	Casing	Fee <u>1123</u>
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Margaret J. Hasse
 Administrator, Office of Oil and Gas

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

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

1) WELL NO. _____
 2) LOCATION: _____
 3) WELL OPERATOR: _____
 4) DRILLING CONTRACTOR: _____
 5) PROPOSED WELL WORK: _____
 6) PERMITS NOW FORMATION: _____
 7) OTHER PHYSICAL CHANGE IN WELL (DEPTH): _____
 8) APPROXIMATE COAL SEAM DEPTHS: _____
 9) CASING AND LINING PROGRAM: _____

Casing Size	Casing Type	Casing Depth	Casing Material	SPECIFIC YARDS		Notes
				Inner	Outer	
8 5/8"	1	250'	250'	20	X	
4 1/2"	2	300'	300'	10.5	X	

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: _____
 Reason: _____

09/29/2023

1) Date: August 8, 19 84
2) Operator's Well No. Waco #334 - Zinn "H"
3) API Well No. 47 - 021 - 4238
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 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

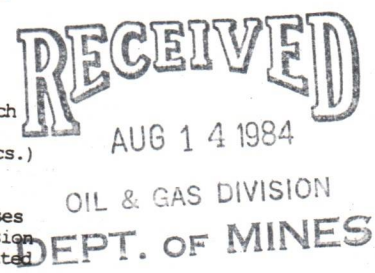
Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, 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.

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



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>
Scott Zinn	Waco Oil & Gas Co., Inc.	1/8	344/168
Mary Alice Lockard	Waco Oil & Gas Co., Inc.	1/8	344/168



1) Date: August 8, 19 84
 2) Operator's Well No. Waco #334 - 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 X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 950' Watershed: Road Run
 District: Troy Gilmer County: Gilmer Quadrangle: Auburn 7.5'
- 6) WELL OPERATOR Waco Oil & Gas Co., Inc. 7) DESIGNATED AGENT Kenneth Greenleaf
 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
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, 5300 feet
 13) Approximate trata depths: Fresh, 80 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

RECEIVED
 AUG 14 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILLUP 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	<u>8 5/8</u>	<u>J</u>	<u>20</u>	<u>X</u>		<u>550'</u>	<u>550'</u>	<u>125 sacks</u>	<u>CTS</u>
Production	<u>4 1/2</u>	<u>J</u>	<u>10.5</u>	<u>X</u>			<u>5300'</u>	<u>500 sacks</u>	
Tubing									Perforations:
Liners									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.)

(For execution by natural persons)

NAME: _____

Scott Zinn Date: 8-10-84
 (Signature)

By _____

 (Signature) Date: _____

Its _____ Date _____

**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: August 8, 19 84
 2) Operator's Well No. Waco #334 - Zinn "E" W
 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: 950' Watershed: Road Run
 District: Troy Gilmer 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.
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 Other physical change in well (specify)
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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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Fresh water									
Coal									Sizes
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Production	<u>4 1/2</u>	<u>J</u>	<u>10.5</u>	<u>X</u>			<u>5300'</u>	<u>500 sacks</u>	Depths set
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: 10/10/84, 19 84

By Margaret J. Hesse

Its

09/29/2023
Coal Owner



IV-9
Revised 11-81

DATE July 17, 1984
WELL NO. Waco - 334
API NO. 47 - 021 - 4238

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 Glenville, WV 26351
Telephone (304) 462-5347

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

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

SOIL CONS. DISTRICT West Fork

This plan has been reviewed by West Fork SCD. All corrections and additions become a part of this plan: 8/3/84 (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

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 DRAIN (B)
20% - 45' Apart, 15% - 60' Apart, 5-8% - 105' Apart.
Spacing as shown on sketch.
with riprapped outlet
Page Ref. Manual 2-12

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

Structure Culvert (15" min. I.D.) (C)
Spacing (according to Oil & Gas Manual) at natural
with riprapped outlet drains
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 (4)
Material Hay or straw bales
Pg. Ref. Man. 2-16

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.

PLAN PREPARED BY SOE E. Holo

ADDRESS Waco Oil & Gas Co., Inc.
Glenville, 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.

RECEIVED

AUG 14 1984

OIL & GAS DIVISION 09/29/2023

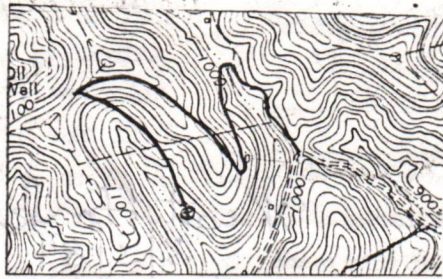
DEPT. OF MINES

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

LEGEND

Well Site ⊕

Access Road ———



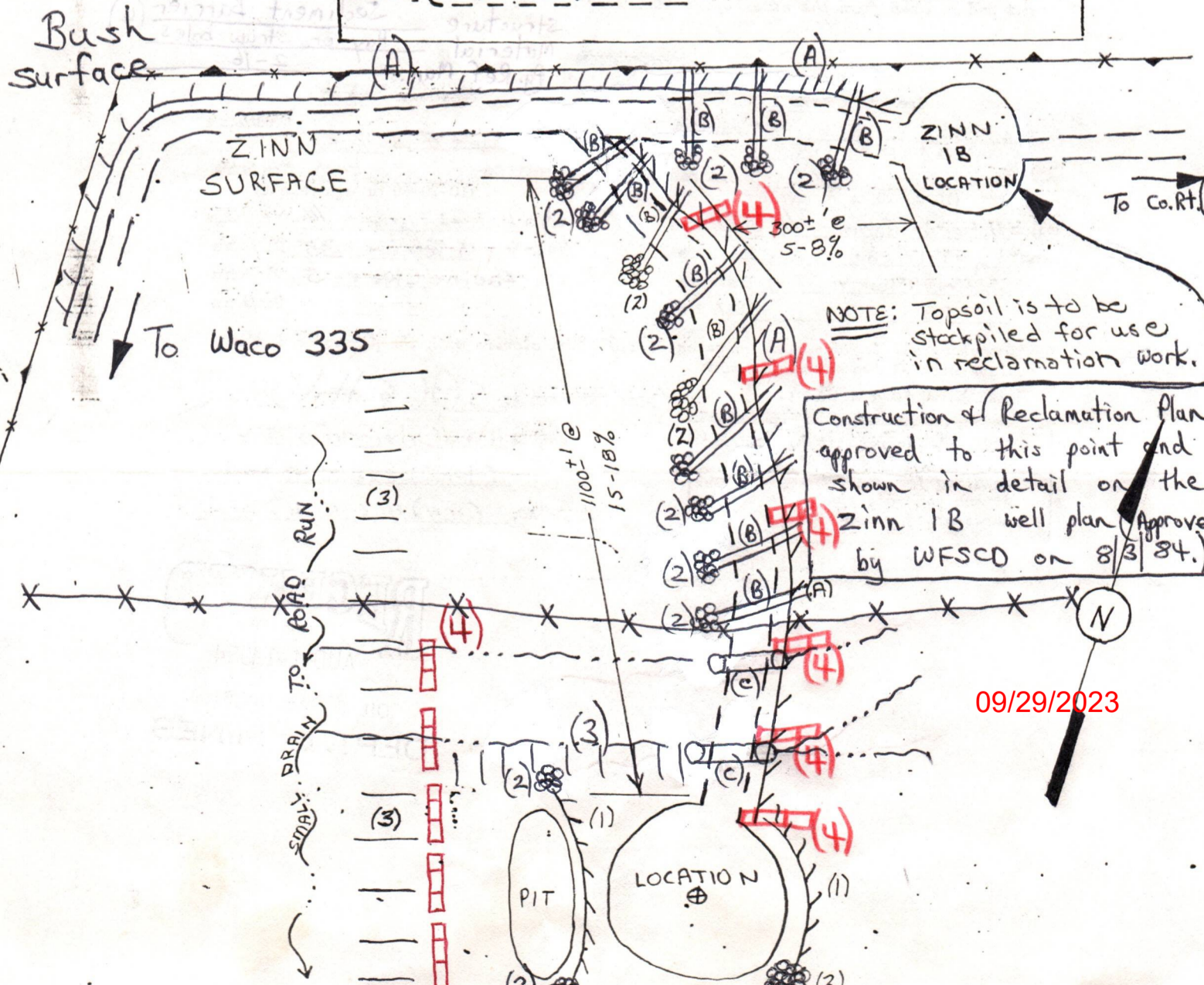
WELL SITE PLAN

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



RECEIVED

IV-35 (Rev 8-81)

MAR 25 1985

OIL & GAS DIVISION DEPT. OF MINES



State of West Virginia Department of Mines Oil and Gas Division

Date March 12, 1985 Operator's Well No. #334 Farm Zinn API No. 47 - 021 - 4238

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: 950 Watershed Road Run District: Troy County Gilmer Quadrangle Auburn 7.5

COMPANY WACO OIL AND GAS COMPANY, INC. ADDRESS Glenville, WV 26351 DESIGNATED AGENT Kenneth Greenleaf 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 Sand Ridge, WV PERMIT ISSUED 08/29/84 DRILLING COMMENCED 02/10/85 DRILLING COMPLETED 02/16/85 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

Table with 4 columns: Casing Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16, 13-10, 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Elk Depth 5300 feet Depth of completed well 5780 feet Rotary X / Cable Tools Water strata depth: Fresh 90 feet; Salt None feet Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Elk, Alexander, Benson Pay zone depth see treatment feet Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d Final open flow 996 Mcf/d Final open flow show Bbl/d Time of open flow between initial and final tests 4 hours Static rock pressure 1390 psig (surface measurement) after 48 hours shut in (If applicable due to multiple completion--)

(Continue on reverse side)

GIL 4238

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

Elk, Alexander - 4888 to 4983 - 500 Gal 15% Hcl, (35,000# 20-40) 31 MCF N₂
 Benson - 4636 to 4638 - 500 Gal 15% Hcl, (30,000# 20-40) 30 MCF N₂
 Bradford 2nd Riley - 500 Gal 15% Hcl, (10,000# 80-100) (20,000# 20-40) 32 MCF N₂
 Balltown - 3790 to 3850 - 500 Gal 15% Hcl, (10,000# 80-100) (30,000# 20-40) 45 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
Red Rock, Sand, Shale			0	50	
Sand, Shale			50	354	Hole damp @ 90'
Red Rock, Sand, Shale			354	1728	
Little Lime			1728	1738	
Shale			1738	1780	
Big Lime			1780	1880	
Big Injun			1880	1921	
Sand, Shale			1921	3048	
Speechly Seciton			3048	3770	
Balltown Section			3770	4224	
Riley Section			4224	4624	
Benson			4624	4628	
Shale			4628	4804	
Alexander			4804	4920	
Shale			4920	4970	
Elk			4970	4982	
Shale			4982	5780	TD

(Attach separate sheets as necessary)

WACO OIL AND GAS COMPANY, INC.
 Well Operator

By: Kenneth Greenlief Kenneth Greenlief

Date: March 12, 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
OFFICE OF OIL AND GAS
CHARLESTON 25305
FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS

(8-29-84)

Company: WACO OIL & GAS
Farm: ZINN, SCOTT

Well: #WACO-334

Permit No. 47- 21-4238
County: GILMER

JAN 8 1986

Rule	Description	In Compliance	
		Yes	No
23.06	Notification prior to starting work	.....	.....
25.04	Prepared before drilling to prevent waste	.....	.....
25.03	High pressure drilling	.....	.....
16.01	Required permits at wellsite	.....	.....
15.03	Adequate Fresh Water 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	.....	.....
16.05	Identification Markings	.....	.....

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

SIGNED *D. W. Mace*
DATE *1-4-86*

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. v. B. B.
Administrator
January 16, 1986
Date

RECEIVED
DEPARTMENT OF ENERGY
OFFICE OF OIL AND GAS

INSPECTORS COMPLIANCE REPORT
FINAL INSPECTION REPORT
CHARLESTON 22302
OFFICE OF OIL AND GAS
DEPARTMENT OF MINES
STATE OF WEST VIRGINIA

(3-22-88)

Permit No. 47-21-4238
COUNTY: JEFFERSON

Well: WACO-334


Company: WACO OIL & GAS
Form: XIMM SCOTT

Rule	Description	In Compliance
		Yes No
23.06	Notification prior to starting work	.....
22.04	Prepared before drilling to prevent waste	.....
22.03	High pressure drilling	.....
16.01	Required permits as well as	.....
12.03	Adequate Fresh Water Casings	.....
12.02	Adequate Coal Casings	.....
12.01	Adequate Production Casings	.....
12.00	Adequate Cement Strength	.....
12.02	Cement Type	.....
23.02	Maintained Access Roads	.....
22.01	Necessary Equipment to Prevent Waste	.....
23.04	Reclaimed Drilling Pits	.....
23.02	No Surface or Underground Pollution	.....
23.07	Requirements for Production & Gathering Pipelines	.....
16.01	Well Records on Site	.....
12.02	Well Records Filed	.....
12.02	Identification Markings	.....

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

SIGNED _____
DATE _____

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.


Administrator
January 16, 1988
Date

774 8/27/84

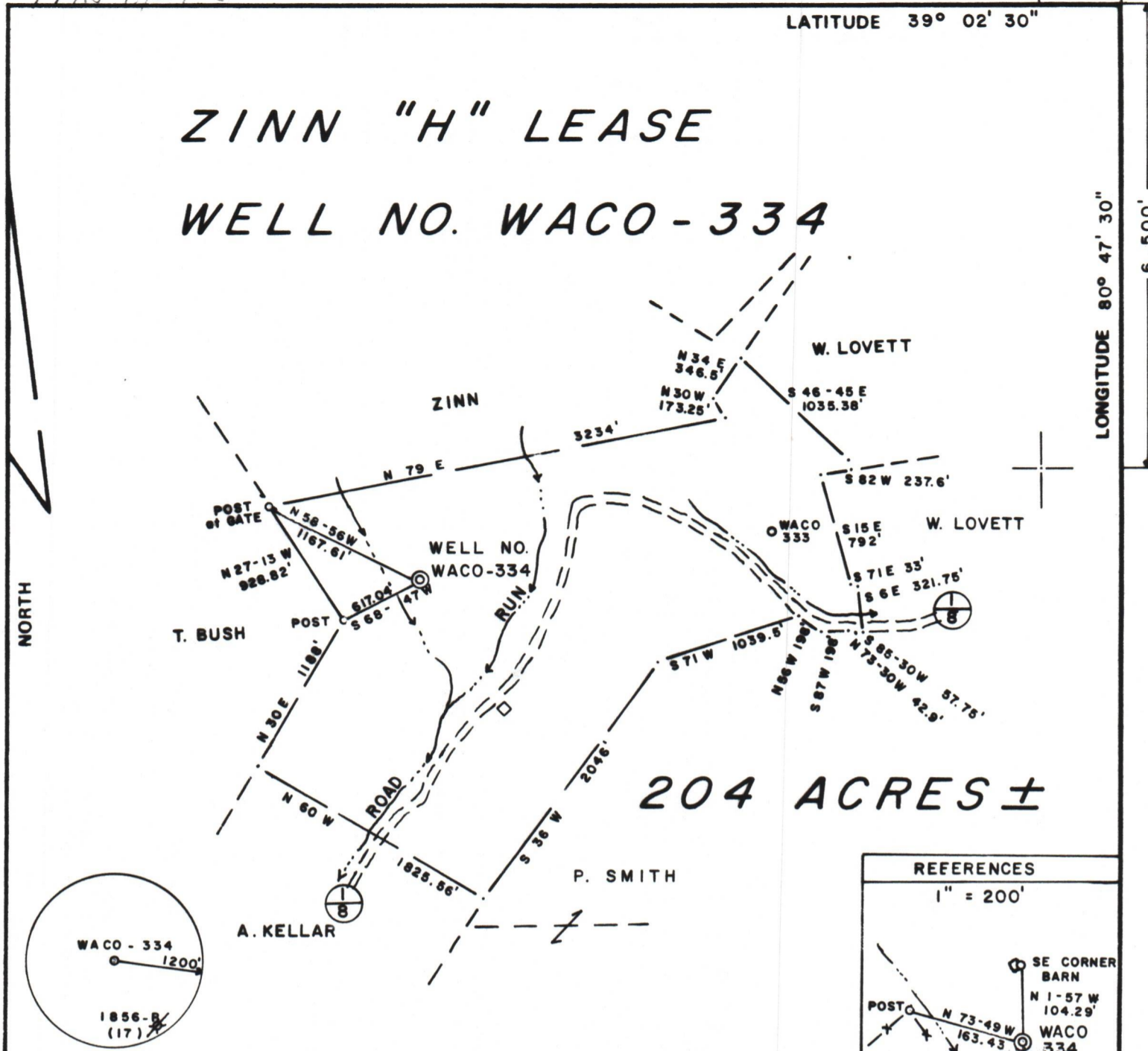
1,120'

LATITUDE 39° 02' 30"

ZINN "H" LEASE WELL NO. WACO-334

LONGITUDE 80° 47' 30"

6,500'



204 ACRES ±

REFERENCES
1" = 200'

SE CORNER BARN
N 1-57 W 104.29'
WACO 334
N 73-49 W 163.43'

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 20, 19 84
OPERATOR'S WELL NO. WACO - 334
API WELL NO. 47 - 021 - 4238
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 950' WATER SHED ROAD 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
GLENNVILLE, WV 26351 GLENNVILLE, WV 26351