



1) Date: August 19, 19 83
 2) Operator's Well No. Hall #3
 3) API Well No. 47 - 021 - 4094
 State County Permit

DRILLING CONTRACTOR:

I.L. Morris Well Service
Glenville, W 26351

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas X
 B (If "Gas", Production X / Underground storage / Deep / Shallow X)
- 5) LOCATION: Elevation: 1132 Watershed: Stone Lick Run of Horn Creek
 District: Troy County: Gilmer Quadrangle: Auburn 7.5
- 6) WELL OPERATOR Waco Oil & Gas Co., Inc. 11) DESIGNATED AGENT Kenneth Greenleaf
 Address 1297 N. Lewis St. Address 1297 N. Lewis St.
Glenville, W 26351 Glenville, W 26351
- 7) OIL & GAS ROYALTY OWNER Waco Oil & Gas Co., Inc. 12) COAL OPERATOR none
 Address 1297 N. Lewis St. Address
Glenville, W 26351
- 8) SURFACE OWNER Bertie Gordon 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address Cox's Mill, W 26342 Name none **RECEIVED**
 Acreage 70 Address Name AUG 23 1983
 Acreage 70 Address
- 9) FIELD SALE (IF MADE) TO: Columbia Gas Transmission Corp. 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Address Charleston, W 25314 Name DEPT. OF MINES
 Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Deo Mace Address
 Address Rt. 1, Box 5
Sand Ridge, W 25274
- 15) PROPOSED WORK: Drill X / Drill deeper / Redrill / Fracture or stimulate X
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 16) GEOLOGICAL TARGET FORMATION, Elk
 17) Estimated depth of completed well, 5900 feet
 18) Approximate water strata depths: Fresh, 135 feet; salt, n/a feet.
 19) Approximate coal seam depths: n/a Is coal being mined in the area? Yes / No X

20) 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>ERW</u>	<u>20</u>	<u>X</u>		<u>500</u>	<u>500</u>	<u>125 sacks</u>	<u>neat By rule 15-005</u>
Production	<u>4 1/2</u>	<u>J-55</u>	<u>10.5</u>	<u>X</u>			<u>5900</u>	<u>680 sacks</u>	Depths set
Tubing									
Liners									Perforations: Top Bottom

21) 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.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing 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.

23) Required Copies (See reverse side.)

24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: M. Lynn Chapman
 My Commission Expires 16 Sept. 1990

Signed: Kenneth Greenleaf
 Its: Agent

OFFICE USE ONLY

DRILLING PERMIT

Permit number 47-021-4094

September 13, 1983

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. 10) 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.)

Permit expires September 13, 1985 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BB</u>	Agent: <u>✓</u>	Plat: <u>✓</u>	Casing: <u>✓</u>	Fee: <u>✓</u>
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Michael Lewis
 Administrator, Office of Oil and Gas

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OFFICE OF OIL & GAS

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A. Oil / Gas /
 B. (If "Gas", Production / Underground storage / Deep / Shallow /
- 5) LOCATION: Elevation: 1132 Watershed Stone Lick Run of Horn Creek
 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 St. Address 1297 N. Lewis St.
Glenville, WV 26351 Glenville, WV 26351
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Deo Mace Name I.L. Morris Well Service
 Address Rt. 1, Box 5 Address 1297 N. Lewis St.
Sandridge, WV 25274 Glenville, WV 26351
- 10) PROPOSED WELL WORK: Drill / Drill Deeper / Redrill / Stimulate /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, ELK
- 12) Estimated depth of completed well (or actual depth of existing well), 5900 feet
 13) Approximate water strata depths: Fresh, 135 feet; salt, n/a feet.
 14) Approximate coal seam depths: n/a Is coal being mined in the area? Yes / No
- 15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well			
Conductor										Kinds
Fresh water										
Coal										Sizes
Intermediate	<u>3 5/8</u>	<u>ERW</u>	<u>20</u>	<input checked="" type="checkbox"/>		<u>500</u>	<u>500</u>	<u>125 sacks</u>		<u>neat</u>
Production	<u>1 1/2</u>	<u>J-55</u>	<u>10.5</u>	<input checked="" type="checkbox"/>			<u>5900</u>	<u>680 sacks</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 (or less than 5 days if the Application is to plug a well), 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: _____

Bertie R. Gordon Date: 8/19/83
 (Signature)
Julia J. Gordon Date: 8/19/83
 (Signature)

RECEIVED

AUG 23 1983

OIL & GAS DIVISION
 DEPT. OF MINES

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

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

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, WV 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 personally served or mailed to you 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. (This time is changed to FIVE (5) DAYS from the filing date if the permit is only to plug a well.) 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 should 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.

INSTRUCTIONS TO APPLICANT

CONCERNING THE LINE ITEMS:

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

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

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

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

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

Under the oath required to make the verification on the reverse 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>
Waco Oil & Gas Co. and Trio Petroleum Corp.	Waco Oil & Gas Co.	1/8	338-478

1) Date: August 19, 1983
2) Operator's Well No. Hall #3
3) API Well No. 47-021-
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 Bertie Gordon
Address Cox's Mill, WV 26342
(ii) Name _____
Address _____
(iii) Name _____
Address _____

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

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

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

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

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

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 X

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

M. Lynn Chasmas,
this 9 day of August, 1983.
My commission expires 9-16, 1990.

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

WELL

OPERATOR Waco Oil & Gas Co., Inc.

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

RECEIVED

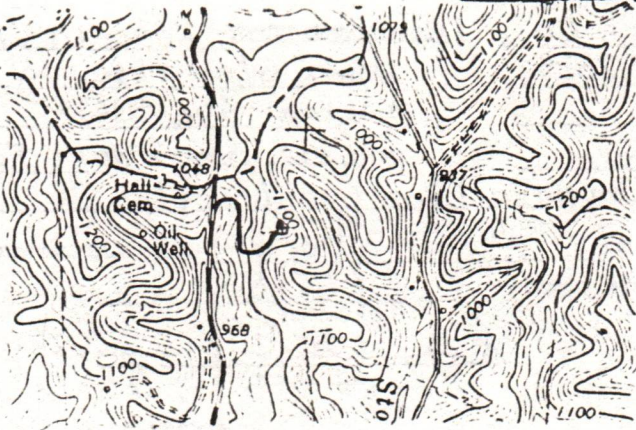
AUG 23 1983

OIL & GAS DIVISION
DEPT. OF MINES

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

LEGEND

Well Site ⊕
 Access Road ———



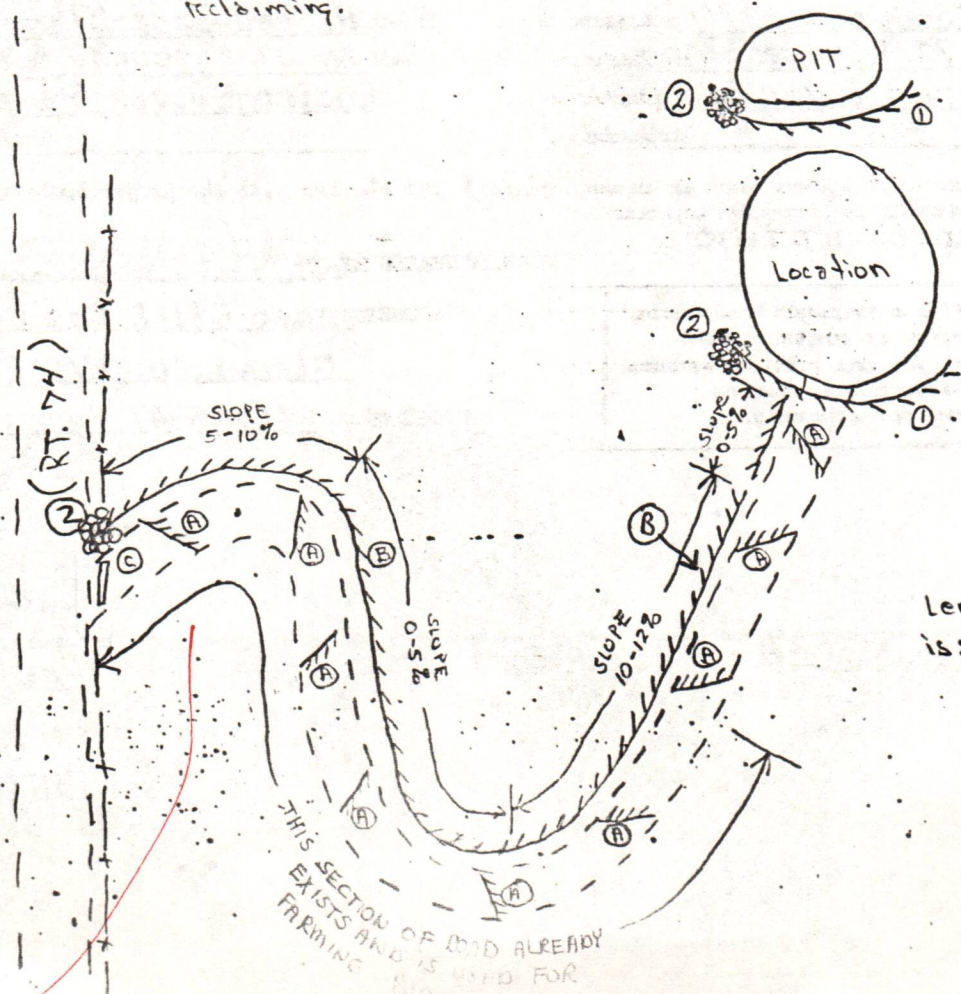
Sketch to include well location, existing access road, roads to be constructed, length and slope of road, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

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 (—> —> —> —>)	

Note: Topsoil will be stack piled for use in reclaiming.



Length of road is: 1500'



DATE July 27, 1983
WELL NO. Hall # 3
API NO. 47 - 021 - 4094

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Waco Oil & Gas Co., / DESIGNATED AGENT Kenneth Greenlief
Address Glennville, WV 26351 Address Glennville, WV 26351
Telephone 462-5347 Telephone 462-5347

LANDOWNER Berlie R. Gordon et ux 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. 8/15/83 (Date)

462-8864
Coxs Mills, WV
Kenneth E. Knight
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Cross Drains (A)
Spacing 45 FT. Road + 80 FT. Area
Page Ref. Manual 2-4

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

Structure Drainage Ditch (B)
(Inside road cuts)
Spacing Earthen - Along side of road
Page Ref. Manual 2-12

Structure Sediment Barrier (2)
Material Brush + Stone
Page Ref. Manual 2-16

Structure Culvert (18" min. I.D.) (C)
Spacing According to Oil & Gas Manual
Page Ref. Manual 2-8

Structure _____ (3)
Material _____
Page Ref. Manual _____

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

REVEGETATION

Treatment Area I

Treatment Area II

*Lime _____ 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

*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. Holl

ADDRESS Waco Oil & Gas Co., Inc.
Glennville, WV 26351

PHONE NO. 462-5347

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

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OIL & GAS DIVISION
DEPT. OF MINES

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

- Elk, Lower Alexander - (5212 to 5110) - 500 Gal 15% Hcl, (30,000# 20-40), 85 MCF N₂.
- Upper Alexander, Benson - (5070 to 4880) 750 Gal 15% Hcl, (20,000# 20-40), 79 MCF N₂.
- Lower 3rd Riley - (4760 to 4802) 750 Gal 15% Hcl, (20,000# 20-40) (10,000# 80-100) 96 MCF N₂
- Upper 3rd Riley, 2nd Riley - (4710 to 4480) 750 Gal 15% Hcl, (30,000# 20-40) 85 MCF N₂
- Balltown, Speechly - (4098 to 3340) 750 Gal 15% Hcl, (20,000# 20-40) 76 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	3	
Sand, Shale, Red Rock			3	852	Hole damp @ 53'
Sand, Shale			852	1965	
Little Lime			1965	1980	
Shale			1980	2010	
Big Lime			2010	2102	
Big Injun			2102	2158	Gas @ 2220' 54/10 - 1" w/w
Sand & Shale			2158	3298	
Speechly Section			3298	3610	
Shale			3610	3990	
Balltown Section			3990	4480	
Riley Section			4480	4880	
Benson			4880	4900	
Sand & Shale			4900	5040	Gas @ 5702' 18/10 - 1" w/w
Alexander			5040	5170	Gas @ TD 20/10 - 2" w/w
Shale			5170	5190	
Elk			5190	5214	
Shale			5214	5351	TD

(Attach separate sheets as necessary)

WACO OIL & GAS COMPANY, INC.

Well Operator

By: Kenny Greenleaf *Kenneth Greenleaf*

Date: 4-10-84

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..."



IV-35
(Rev 8-81)

Date 4/9/84
Operator's
Well No. Hall #3
Farm Hall
API No. 47 - 021 - 4094

State of West Virginia
Department of Mines
Oil and Gas Division

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: 1132 Watershed Stone Lick Run of Horn Creek
District: Troy County Gilmer Quadrangle Auburn 7.5

COMPANY WACO OIL & GAS CO., INC.
ADDRESS Glennville, WV 26351
DESIGNATED AGENT Kenneth Greenlief
ADDRESS Glennville, WV 26351
SURFACE OWNER Bertie & Julia Gordon
ADDRESS Cox's Mills, WV
MINERAL RIGHTS OWNER Waco & Trio Petroleum
ADDRESS Glennville, WV 26351
OIL AND GAS INSPECTOR FOR THIS WORK
Deo Mace ADDRESS Sand Ridge, WV
PERMIT ISSUED 9/13/83
DRILLING COMMENCED 3/10/84
DRILLING COMPLETED 3/16/84
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	1074	1047	280 sks
7			
5 1/2			
4 1/2		5288	610 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Elk Depth 5900 feet
Depth of completed well 5351 feet Rotary X / Cable Tools
Water strata depth: Fresh 53 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 189 Mcf/d Oil: Initial open flow Bbl/d
Final open flow 1138 Mcf/d Oil: Final open flow show Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 1400 psig (surface measurement) after 48 hours shut in
(If applicable due to multiple completion--)
Second producing formation Riley, Balltown, Speech 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

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JUL 22 1985



**OIL & GAS DIVISION
DEPT. OF MINES**

**State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305**

**FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT**

COMPANY WACO OIL & GAS CO, INC
GLENVILLE, WV 26351

PERMIT NO 47-021-4094 (9-13-83)

FARM & WELL NO HALL #3

DIST. & COUNTY TROY/GILMER

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 Casing	_____	_____
15.02	Adequate Coal Casing	_____	_____
15.01	Adequate Production Casing	_____	_____
15.04	Adequate Cement Strenght	_____	_____
15.05	Cement Type	_____	_____
23.02	Maintained Access Roads	<u>X</u>	_____
25.01	Necessary Equipment to Prevent Waste	<u>X</u>	_____
23.04	Reclaimed Drilling Pits	<u>X</u>	_____
23.05	No Surface or Underground Pollution	<u>X</u>	_____
23.07	Requirements for Production & Gathering Pipelines	<u>X</u>	_____
16.01	Well Records on Site	_____	_____
16.02	Well Records Filed	_____	_____
7.05	Identification Markings	<u>X</u>	_____

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

SIGNED 18 JULY 1985

DATE GLEN T. ROBINSON

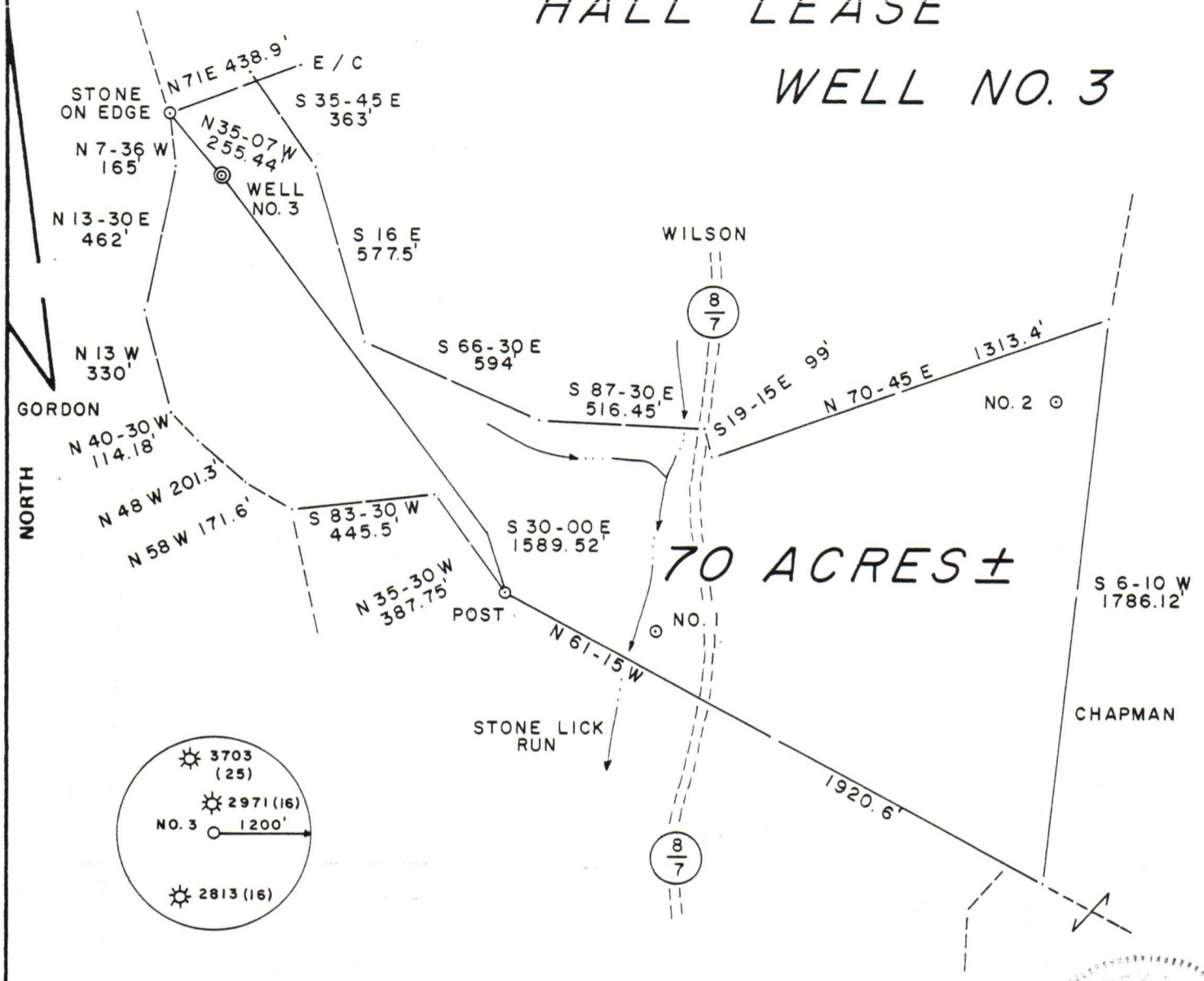
Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. H. Robinson
Administrator-Oil & Gas Division

August 12, 1985

DATE

HALL LEASE WELL NO. 3



FILE NO. 11-20
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION JUNCT. OF ROADS
ELEV. 937'

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

PLACE SEAL HERE

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



DATE JULY 12, 19 83
 OPERATOR'S WELL NO. 3
 API WELL NO. 47-021-4094
 STATE WV COUNTY GLILMER 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 1132' WATER SHED STONE LICK RUN OF HORN CREEK
 DISTRICT TROY COUNTY GILMER
 QUADRANGLE AUBURN 7.5'
 SURFACE OWNER BERTIE R. & JULIA J. GORDON ACREAGE 70
 OIL & GAS ROYALTY OWNER WACO OIL & GAS CO. & TRIO PETROLEUM LEASE ACREAGE 70
 LEASE NO. _____ CORP. _____
 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 5350'
 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