



1) Date: July 1, 19 83
 2) Operator's Well No. Zinn #4A
 3) API Well No. 47 - 021 - 4089
 State County Permit

DRILLING CONTRACTOR:
I.L. Morris Well Service
Glenville, WV 26351

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

- 4) WELL TYPE: A Oil Gas
 B (If "Gas", Production Underground storage Deep Shallow)
- 5) LOCATION: Elevation: 1181' Watershed: Brake Hollow
 District: Troy County: Gilmer Quadrangle: Auburn 7.5'
- 6) WELL OPERATOR Waco Oil & Gas Co., Inc. 11) DESIGNATED AGENT Kenneth Greenlief
 Address 1297 N. Lewis Street Address 1297 N. Lewis Street
Glenville, WV 26351 Glenville, WV 26351
- 7) OIL & GAS ROYALTY OWNER Scott Zinn 12) COAL OPERATOR n/a
 Address Cox's Mills, WV 26342 Address _____
- 8) SURFACE OWNER Scott Zinn 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address Cox's Mills, WV 26342 Name n/a
 Acreage 109.62 Address _____
 Name n/a
 Address _____
- 9) FIELD SALE (IF MADE) TO:
 Address Columbia Gas Corp.
Charleston, WV 25314
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Deo Mace
 Address Route 1, Box 5
Sandridge, WV 25274
- 15) PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Benson-Elk
- 17) Estimated depth of completed well, 5400 feet
- 18) Approximate water strata depths: Fresh, 140 feet; salt, n/a feet.
- 19) Approximate coal seam depths: none Is coal being mined in the area? Yes / No

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OIL & GAS DIVISION
 DEPT. OF MINES

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		Kinds	Sizes
Conductor										
Fresh water										
Coal										
Intermediate	8 5/8	ERW	20	X		500'	500'	150 sacks		<i>GTS by Rule 15-05</i>
Production	4 1/2	J-55	10.5	X			5400'	620 sacks		<i>Depths set OR AS ASG by Rule 15-01</i>
Tubing										
Liners										

- 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 September 1990

Signed: Kenneth Greenlief Kenneth Greenlief
 Its: Agent

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-021-4089 Date September 6, 1983

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 6, 1985 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>OB</u>	Agent: <u>LO</u>	Plat: <u>OB</u>	Casing: <u>OB</u>	Fee: <u>882</u>
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Administrator, Office of Oil and Gas

INSTRUCTIONS TO APPLICANT

CONCERNING THE LEASE TERMS:

- 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.	1/2	335-503
MARY ALICE LOCKARD	WACO OIL & GAS Co., Inc.	1/2	335-503

DEPT. OF MINES
OFFICE OF OIL & GAS

1) Date: July 1, 1983
2) Operator's Well No. Zinn #4A
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 Scott Zinn
Address Cox's Mills, WV 26342
(ii) Name Mary Alice Lockard
Address Cox's Mills, WV 26342
(iii) Name
Address

5(i) COAL OPERATOR n/a
Address
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name n/a
Address
Name n/a
Address
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name n/a
Address

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

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

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

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

6) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
- The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

Kenneth Greenlief
this 1st day of July, 1983.
My commission expires 9/16, 1990.

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

WELL OPERATOR Waco Oil & Gas Company, Inc.

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

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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 mailed to you on or before the date the operator files his Application. You have TEN (10) 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.

11/15/88
NO. 100-200
DEPT. OF MINES
OFFICE OF OIL & GAS DIVISION

1) Date: July 1 19 83
 2) Operator's
 Well No. Zinn #4A
 3) API Well No. 47-021-

State County Permit

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

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: 1181' Watershed Brake Hollow
 District: Troy County: Gilmer Quadrangle: Auburn 7.5'
- 6) WELL OPERATOR Waco Oil & Gas Co., Inc.
 Address 1297 N. Lewis Street
Glenville, WV 26351
- 7) DESIGNATED AGENT Kenneth Greenlief
 Address 1297 N. Lewis Street
Glenville, WV 26351
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Deo Mace
 Address Route 1, Box 5
Sandridge, WV 25274
- 9) DRILLING CONTRACTOR:
 Name I. L. Morris Well Serv.
 Address 1297 N. Lewis Street
Glenville, WV 26351
- 0) PROPOSED WELL WORK: Drill X / Drill Deeper ___ / Redrill ___ / Stimulate X /
 Plug off old formation ___ / Perforate new formation ___ /
 Other physical change in well (specify) _____
- 1) GEOLOGICAL TARGET FORMATION, Benson-Elk
- 12) Estimated depth of completed well (or actual depth of existing well), 5400' feet
- 13) Approximate water strata depths: Fresh, 140 feet; salt, n/a feet.
- 14) Approximate coal seam depths: None Is coal being mined in the area? Yes ___ / No X
- 5) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8	ERW	20	X		500'	500'	150 sacks	
Production	4 1/2	J-55	10.5	X			5400'	620 sacks	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 herein.

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: July 11 1983
 (Signature)

By _____

Mary Alice Lockard Date: July 11 1983
 (Signature)

Its _____ Date: _____

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OIL & GAS DIVISION
 DEPT. OF MINES

AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

STATE OF West Virginia,
COUNTY OF Gilmer :

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form IV-2(A) / Form IV-3(A) / Form IV-4(A) /
- (2) Application on Form IV-2(B) / Form IV-3(B) / Form IV-4(B) /
- (3) Plat showing the well location on Form IV-6, and
- (4) Construction and Reclamation Plan on Form IV-9 (unless the application is to plug a well)

--all with respect to operator's Well No. Zinn #4A located in Troy District, Gilmer County, West Virginia, upon the person or organization named--

Scott Zinn and Mary Alice Lockard

--by delivering the same in Gilmer County, State of West Virginia on the 11th day of July, 1983 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

- Handing it to him / her / or, because he / she / refused to take it when I offered it, by leaving it in his / her / presence.
- Handing it to a member of his or her family above the age of 16 years named who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

- Handing it to , a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

- Handing it to the general partner, named , or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

- Handing it to the corporation's employee / officer / director / attorney in fact / named .

[Signature]
(Signature of person executing service)

Taken, subscribed and sworn before me this 11th day of July, 1983.
My commission expires 16 September 1990.

M. Lynn Chasmar
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)

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OIL & GAS DIVISION
DEPT. OF MINES

ATTACH OR PHOTOCOPY SECTION OF
 INVOLVED TOPOGRAPHIC MAP.
 QUADRANGLE AUBURN 7.5

LEGEND




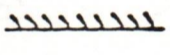







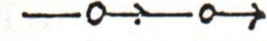
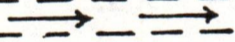
Well Site 

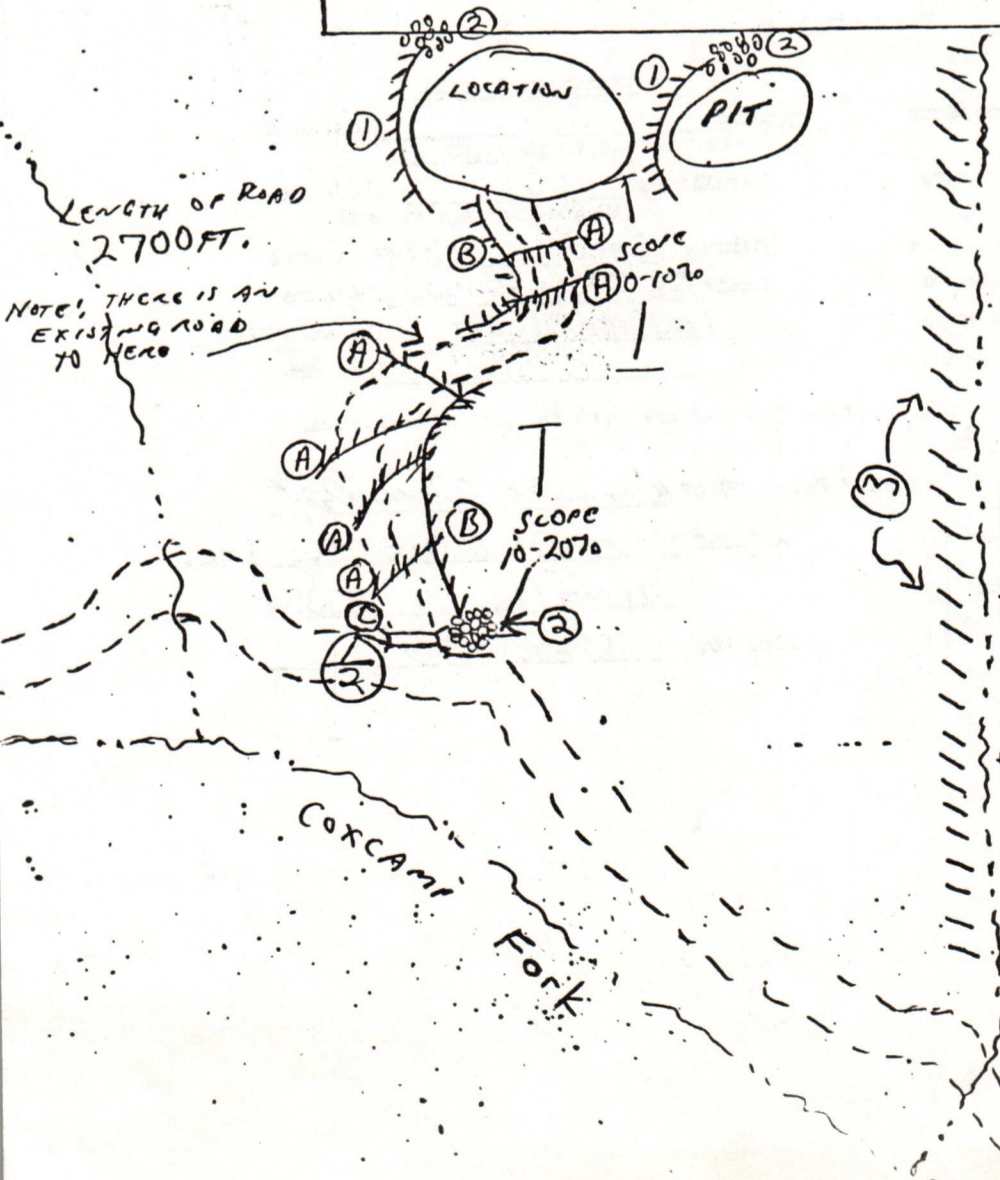


Sketch to include roads to be constructed, filling pits and necessary structures correspond with the first part of this plan. Include all natural drainages.

Land Use: Pasture ___ Hayland ___ Cropland ___ Woodland X.

LEGEND

Property boundary 	North Arrow 
Road 	Diversion 
Existing fence 	Spring 
Planned fence 	Wet Spot 
Stream 	Building 
Open Ditch 	Drain pipe 
Waterway 	



Note: Topsoil will be stockpiled for use in reclaiming.



State of West Virginia
Department of Mines
Oil and Gas Division

DATE June 16, 1983
WELL NO. ZINN "4A"
API NO. 47 - 021 - 4089

CONSTRUCTION AND RECLAMATION PLAN

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

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

LANDOWNER SCOTT ZINN - (OX'S MINE, WV)

SOIL CONS. DISTRICT West Fork

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

This plan has been reviewed by West Fork SO. All corrections
and additions become a part of this plan: 6/23/83
462-8380 (Date)

He ALSO OWNS ALL OF ROYALTY

Kenneth E Knight
(SO. Agent)

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JUL 12 1983

ACCESS ROAD

LOCATION

Structure Cross Drains
Spacing 45 FT. ALONG + 80 FT. APART
Page Ref. Manual 2-4

(A)

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

Structure Drainage Ditch
(FRASER ROAD CURB)
Spacing EARTHEN - ALONG SIDE OF ROAD
Page Ref. Manual 2-12

(B)

Structure SEDIMENT BARRICA (2)
Material BRUSH + STONE
Page Ref. Manual 2-16

Structure CULVERTS (15" MIN. I.D.)
Spacing ACCORDING TO OIL & GAS MANUAL
Page Ref. Manual 2-8

(C)

Structure FILTER STRIP (3)
Material UNDISTURBED NATURAL 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.

REVEGETATION

Treatment Area I

Treatment Area II

* Lime 0.5 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

* Lime 6.5 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

*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 Kenneth Greenleaf

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

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

PHONE NO. 462-5347

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

- 1st Stage: Lower Elk (5526 to 5531) 500 Gal 15% Hcl, (10,000# 80-100) (20,000# 20-40)
30 MCF N₂
- 2nd Stage: Alexander (5144 to 5198) 500 Gal 15% Hcl, (40,000# 20-40) 40 MCF N₂
- 3rd Stage: 3rd Riley, Benson (4689 to 4888) 500 Gal 15% Hcl, (10,000# 80-100)
(30,000# 20-40) 40 MCF N₂
- 4th Stage: 2nd Riley (4502 to 4516) 500 Gal 15% Hcl, (10,000# 80-100) (20,000# 20-40)
30 MCF N₂
- 5th Stage: Balltown (4075 to 4118) 500 Gal 15% Hcl, (5,000# 80-100) (15,000# 20-40) 20 MCF N₂

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Clay, Shale			0	93	Hole Damp @ 85'
Sand, Shale, Red Rock			03	850	
Sand, Shale			850	1985	3/4" stream saltwater @ 1860
Little Lime			1985	2010	
Shale			2010	2030	
Big Lime			2030	2113	
Big Injun			2113	2217	
Sand, Shale			2217	3340	
Speechly Section			3340	3972	
Balltown Section			3972	4500	
Riley Section			4500	4880	
Benson			4880	4890	
Shale			4890	5142	
Alexander			5142	5202	
Shale			5202	5520	
Lower Elk			5520	5540	
Shale			5540	5723	TD

(Attach separate sheets as necessary)

WACO OIL & GAS CO., INC.

Well Operator

By: Kenneth Greenlief Kenneth Greenlief

Date: February 15, 1985

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

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OCT 17 1985

INSPECTOR'S WELL REPORT

Permit No. 21-4089

DIVISION OF OIL & GAS
DEPT. OF ENERGY
Oil or Gas Well
(KIND)

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

Drillers' Names O.K. To Release

Remarks:

Unsuspected well site as result of complaint by neighbor land owner E. Brake. The well location is close to property line and probably is partially across property line. However, there is no erosion problem. If any problem it is trespassing and property damage.

DATE

10-18-85

Deo Mace DISTRICT WELL INSPECTOR



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 DIVISION OF OIL AND GAS
 1615 Washington Street, East
 Charleston, West Virginia 25311
 Telephone: 348-3500
 October 24, 1985

ARCH A. MOORE, JR.
 Governor

Waco Oil And Gas Company, Incorporated
 1297 North Lewis Street
 Glenville, West Virginia 26351

In Re: Permit No: 47-021-4089
 Farm: Scott Zim
 Well NO: Zim 4A
 District: Troy
 County: Gilmer
 Issued: 9-06-83

Gentlemen:

The FINAL INSPECTION REPORT for the above captioned well has been received in this office. ONLY the Column checked below applies:

 The well designated by the above captioned permit number has been released under your Blanket Bond.

 Please return the enclosed cancelled single bond which covered the well designated by the above captioned permit number to the surety company that executed said bond in your behalf, in order that they may give you credit on their records.

Your well record was received and reclamation requirements approved. In accordance with Chapter 22B, Article 1, Section 26, the above captioned well will remain under XXXX bond coverage for life of the well.

 PERMIT CANCELLED - NEVER DRILLED

Respectively,

Theodore M. Streit

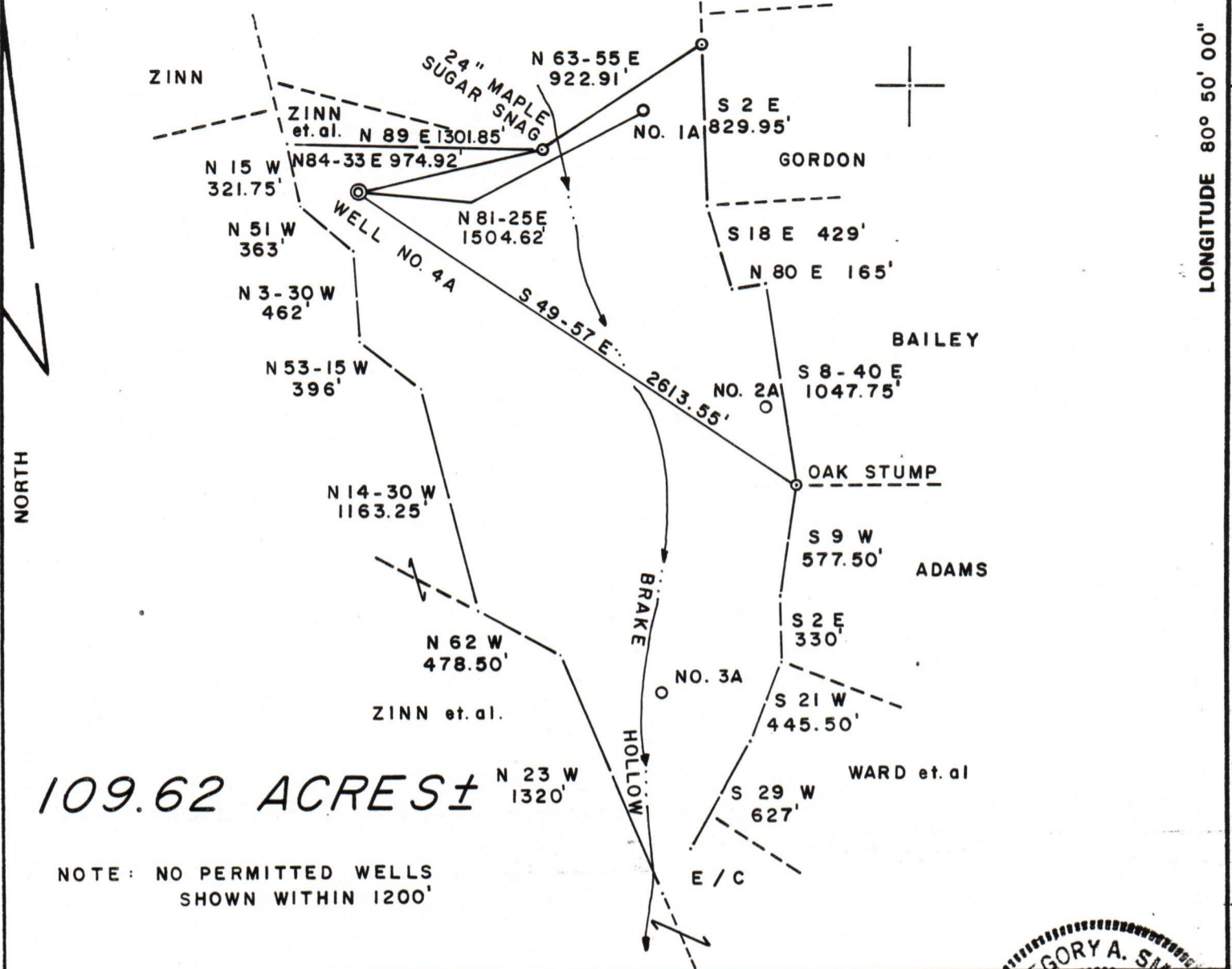
TMS/nw

4,070

LATITUDE 39° 05' 00"

ZINN LEASE

WELL NO. 4A

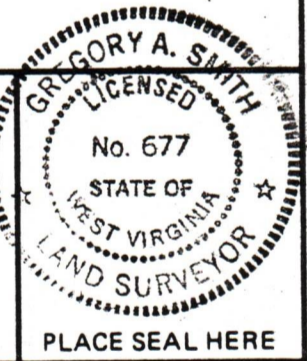


109.62 ACRES ±

NOTE: NO PERMITTED WELLS SHOWN WITHIN 1200'

FILE NO. 11-11
 DRAWING NO. _____
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION JUNCT. OF ROADS 858'

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 2, 19 83
 OPERATOR'S WELL NO. 4A
 API WELL NO. 47-021-4089
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1181' WATER SHED BRAKE HOLLOW
 DISTRICT TROY COUNTY GILMER
 QUADRANGLE AUBURN 7.5'
 SURFACE OWNER SCOTT ZINN, et al. ACREAGE 109.62
 OIL & GAS ROYALTY OWNER SCOTT ZINN, et al. LEASE ACREAGE 109.62
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION BENSON ESTIMATED DEPTH 5400'
 WELL OPERATOR WACO OIL & GAS INC. DESIGNATED AGENT KENNY GREENLIEF
 ADDRESS P.O. BOX 4 ADDRESS P.O. BOX 4
GLENVILLE, WV 26351 GLENVILLE, WV 26351