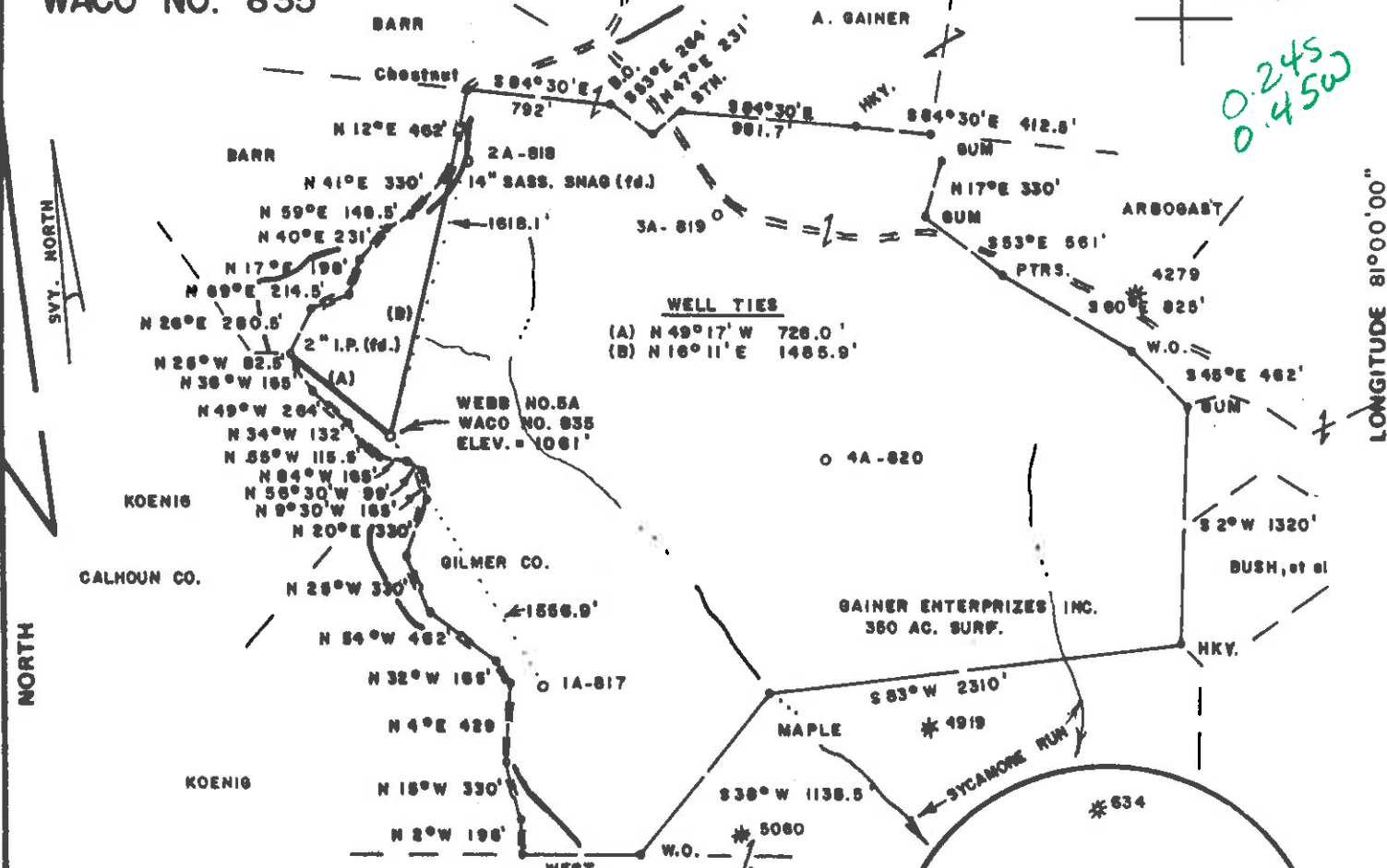


# WEBB LEASE 400 AC. ±

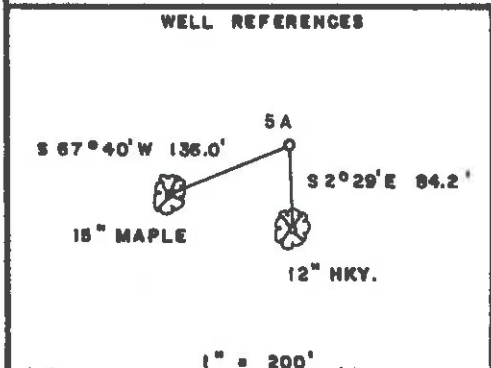
LATITUDE 38°57'30"

## WACO NO. 835

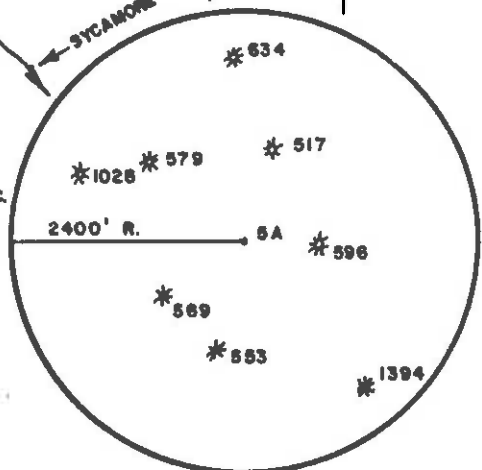
7.5' topo. loc.



0.245  
0.450



3.12  
0.45



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB NORTH OF LEASE ELEV. = 1165'

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.

*Mark C. Echard*  
 (SIGNED) MARK C. ECHARD  
 R.P.E. \_\_\_\_\_ L.L.S. 490



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



DATE JUNE 18, 19 93  
 OPERATOR'S WELL NO. WEBB NO. 5A  
 API WELL NO. WACO NO. 835  
47 - 021 - 5138  
 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 1061' WATERSHED SYCAMORE RUN OF TANNER CREEK  
 DISTRICT DEKALB COUNTY GILMER  
 QUADRANGLE GRANTSVILLE 7.5' *7.5' top. loc.*  
 SURFACE OWNER GAINER ENTERPRIZES INC. ACREAGE 350 of 400  
 OIL & GAS ROYALTY OWNER GAINER ENTERPRIZES INC. LEASE ACREAGE 400  
 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 MARCELLUS ESTIMATED DEPTH 5900'  
 WELL OPERATOR WACO OIL & GAS CO. INC. DESIGNATED AGENT STEPHEN E. HOLLOWAY  
 ADDRESS P.O. BOX 397 ADDRESS P.O. BOX 397  
GLENVILLE, W. VA. 26351 GLENVILLE, W. VA. 26351

AUG 30 1993

6-6 179

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: **GAINER ENTERPRISES, INC. Operator Well No.: WEBB 5A-WACO 835**

LOCATION: Elevation: **1,061.00** Quadrangle: **GRANTSVILLE**

District: **DEKALB** County: **GILMER**  
Latitude: **1290** Feet South of **38** Deg. **57** Min. **30** Sec.  
Longitude: **2410** Feet West of **81** Deg. Min. Sec.

Company: **WACO OIL & GAS CO., INC.**  
**1297 N. LEWIS ST.**  
**GLENVILLE, WV 26351-0000**

Agent: **STEPHEN E. HOLLOWAY**

INSPECTOR: **CRAIG DUCKWORTH**  
Permit Issued: **08/26/93**  
Well work commenced: **11/09/93**  
Well Work completed: **11/15/93**  
Verbal Plugging  
Permission granted on:  
Rotary  Cable Rig  
Total Depth (feet) **6301**  
Fresh water depths (ft) **50'**  
Salt water depths (ft) **1160'**  
Is coal being mined in area (Y/N)? **N**  
Coal Depths (ft): **NONE**

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	219	219	C.T.S.
8-5/8"	1994	1994	150 Sks.
4-1/2"		6274	675 Sks.

OPEN FLOW DATA

Producing formation **DEVONIAN SHALE** Pay zone depth (ft) **SEE TREAT.**  
Gas: Initial open flow **N/A** MCF/d Oil: Initial open flow **N/A** Bbl/d  
Final open flow **1750** MCF/d Final open flow **SHOW** Bbl/d  
Time of open flow between initial and final tests **4** Hours  
Static Rock pressure **1485** psig (surface pressure) after **48** Hours

Second producing formation \_\_\_\_\_ pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATION, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

  
For: **WACO OIL AND GAS COMPANY, INC.**

By: **Daniel R. Chapman, Geologist**

Date: **JANUARY 25, 1994**

FEB 07 1994

1st Stage: Devonain Shale (6210-5544) 1500 gal 15% HCL, 40 ton CO<sub>2</sub>, 731 MCF N<sub>2</sub>

2nd Stage: Elk, Alexander, Benson, Riley (5217-4633) 675 gal 15% HCL, 40 ton CO<sub>2</sub>, 837 MCF N<sub>2</sub>

3rd Stage: Riley, Balltown (4508-4087) 675 gal 15% HCL, 40 ton CO<sub>2</sub>, 882 MCF N<sub>2</sub>

4th Stage: Ballton, Speelchy (3967-3433) 675 15% HCL, 45 ton CO<sub>2</sub>, 1014 MCF N<sub>2</sub>

Sand, Shale	0	180	Damp @ 50'
Sand, Shale, Red Rock	180	1150	
Sand, Shale	1150	1983	Damp @ 1160'
Little Lime	1983	2002	
Blue Monday	2002	2025	
Big Lime	2025	2068	
Big Injun	2068	2169	
Sand, Shale	2169	3426	
Speelchy Section	3426	3762	
Shale	3762	3803	
Balltown Section	3803	4361	
Riley Section	4361	4754	
Shale	4754	4803	
Benson	4803	4806	
Shale	4806	5020	
Alexander	5020	5075	
Shale	5075	5210	
Elk Secction	5210	5436	
Shale	5436	6301	T.D.

RECEIVED

W.V. Division of Environmental Protection

FORM WW-2B

AUG 25 93

STATE OF WEST VIRGINIA

DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

Office of Oil & Gas WELL WORK PERMIT APPLICATION

021-5138  
Issued 08/26/93  
Page \_\_\_ of \_\_\_  
Expires 08/26/95

933 51800 (2) 379

17860

- 1) Well Operator: Waco Oil and Gas Company, Inc.
- 2) Operator's Well Number: Waco 835-Webb 5A 3) Elevation: 1,061'
- 4) Well type: (a) Oil \_\_\_ / or Gas X /  
(b) If Gas: Production X / Underground Storage \_\_\_ /  
Deep \_\_\_ / Shallow X /
- 5) Proposed Target Formation(s): Marcellus 437
- 6) Proposed Total Depth: 5,900 feet
- 7) Approximate fresh water strata depths: 97'
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: None
- 10) Does land contain coal seams tributary to active mine? Yes \_\_\_ / No X /
- 11) Proposed Well Work: Drill and stimulate new well.
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT Fill-up (cu. ft.)
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor						3805R/11.3
Fresh Water	8-5/8"	API	20.7	700'	700'	C.T.S.
Coal						3805R/11.2.2
Intermediate						
Production	4-1/2"	API	10.5#		5,900'	525 Sks.
Tubing						3805R/11.1
Liners						

PACKERS : Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_

For Division of Oil and Gas Use Only

02686/16

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond Blanket LLC  Agent  
 (Type)

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
Permitting  
of Oil & Gas

1) Date: August 4, 1993  
2) Operator's well number  
Waco 835-Webb 5A  
3) API Well No: 47 - 021 - 5138  
State - County - Permit

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:  
 (a) Name Gainer Enterprises, Inc.  
 Address 918 Ridgemont Road  
Charleston, WV 25314  
 (b) Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 (c) Name \_\_\_\_\_  
 Address \_\_\_\_\_
- 5) (a) Coal Operator:  
 Name N/A  
 Address \_\_\_\_\_  
 (b) Coal Owner(s) with Declaration  
 Name N/A  
 Address \_\_\_\_\_  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 (c) Coal Lessee with Declaration  
 Name N/A  
 Address \_\_\_\_\_
- 6) Inspector Craig Duckworth  
 Address Box 107, Davisson Route  
Gassaway, WV 26624  
 Telephone (304)- 364-5942

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

       Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR  
  x   Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through   7   on the above named parties, by:  
       Personal Service (Affidavit attached)  
  x   Certified Mail (Postmarked postal receipt attached)  
       Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Waco Oil and Gas Company, Inc.  
By: Stephen E. Holloway Stephen E. Holloway  
Its: Agent  
Address P. O. Box 397  
Glenville, WV 26351  
Telephone (304) 462-5347

Subscribed and sworn before me this 4th day of August, 1993

Sandra Ann Pettit Notary Public  
My commission expires 8-24-97