

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

Well Operator's Report of Well Work

Farm name: **Coastal Lumber Co.** Operator Well No.: **Bennett 6A-W873**

LOCATION: Elevation: **1,170.00** Quadrangle: **Tanner**

District: **Dekalb** County: **Gilmer**
 Latitude: **7420** Feet South of **38** Deg. **55** Min. Sec.
 Longitude: **5650** Feet West of **80** Deg. **57** Min. **30** Sec.

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

Agent: **STEPHEN E. HOLLOWAY**

INSPECTOR: **CRAIG DUCKWORTH**

Permit Issued: **04/13/94**

Well work commenced: **05/03/94**

Well Work completed: **05/05/94**

Verbal Plugging

Permission granted on:

Rotary Cable Rig

Total Depth (feet) **2260'**

Fresh water depths (ft) **53'**

Salt water depths (ft) **NONE REPORTED**

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.
8-5/8"	178'	178'	C. T. S.
4-1/2"		2178"	220 Sks.

OPEN FLOW DATA

Producing formation **Big Injun, Salt sand** Pay zone depth (ft) **See Treatment**
 Gas: Initial open flow **N/A** MCF/d Oil: Initial open flow **N/A** Bbl/d
 Final open flow **692** MCF/d Final open flow **N/A** Bbl/d
 Time of open flow between initial and final tests **4** Hours
 Static Rock pressure **70** 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.

Daniel R. Chapman
 For: **WACO OIL AND GAS COMPANY, INC.**

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

Date: **July 26, 1994**

AUG 26 1994

1st Stage: Big Injun (2094-2105) 500 gal 15% HCL, 37,000# 20/40,
60 mcf N₂, 390 bbl H₂O

2nd Stage: Salt Sand (1573-1601) 500 gal 15% HCL, 27,000# 20/40,
40 mcf N₂, 385 bbl H₂O

Sand, Shale	0	152	1/2" stream @ 53'
Sand, Shale, Red Rock	152	1223	
Sand, Shale	1223	1917	
Little Lime	1917	1933	
Blue Monday	1933	1961	
Big Lime	1961	2011	
Big Injun	2011	2112	
Sand, Shale	2112	2260	T. D.

021-5176
 Issued 4/13/94
 Expires 4/13/96
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FORM WW-2B

Environmental Protection
 MAR 28 94

Permitting
 DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
 STATE OF WEST VIRGINIA
 WELL WORK PERMIT APPLICATION

- 1) Well Operator: Waco Oil and Gas Company, Inc. 51800 (2) 634
 Operator's Well Number: Waco 873 W. G. Bennett 6A 3) Elevation: 1,170'
 Well type: (a) Oil / or Gas /
 (b) If Gas: Production / Underground Storage /
 Deep / Shallow /
 Proposed Target Formation(s): Big Injun 371
 Proposed Total Depth: 2,100' feet
 7) Approximate fresh water strata depths: 139'
 8) Approximate salt water depths: None
 9) Approximate coal seam depths: None
 10) Does land contain coal seams tributary to active mine? Yes / No /
 11) Proposed Well Work: Drill and stimulate new well
 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						38.58/11.3
Fresh Water	8-5/8"	A P I	20#	175'	175'	C. T. S.
Coal						
Intermediate						38.58/11.1
Production	4-1/2"	API	10.5#		2,100'	100 Sks.
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

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

18914

02970/10

1) Date: March 19, 1994
2) Operator's well number
Waco 873 - W. G. Bennett 6A
3) API Well No: 47 - 021 - 5176
State - County - Permit

Office of Oil & Gas

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 Coastal Lumber Company
Address Box 979
Buckhannon, WV 26201
(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 _____

6) Inspector Craig Duckworth
Address Box 107, Davisson Route
Gassaway, WV 26624
Telephone (304) - 364-5942

(c) Coal Lessee with Declaration
Name N/A
Address _____

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: Barry K. Lay Barry K. Lay
Its: Vice President, Engineering
Address P. O. Box 397
Glenville, WV 26351
Telephone (304) 462-5347

Subscribed and sworn before me this 19th day of March, 1994

Betty D. Darran Notary Public
My commission expires August 17, 2002