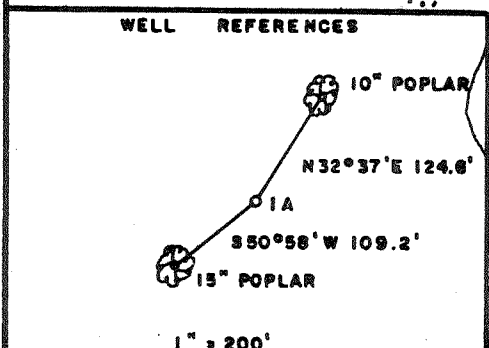
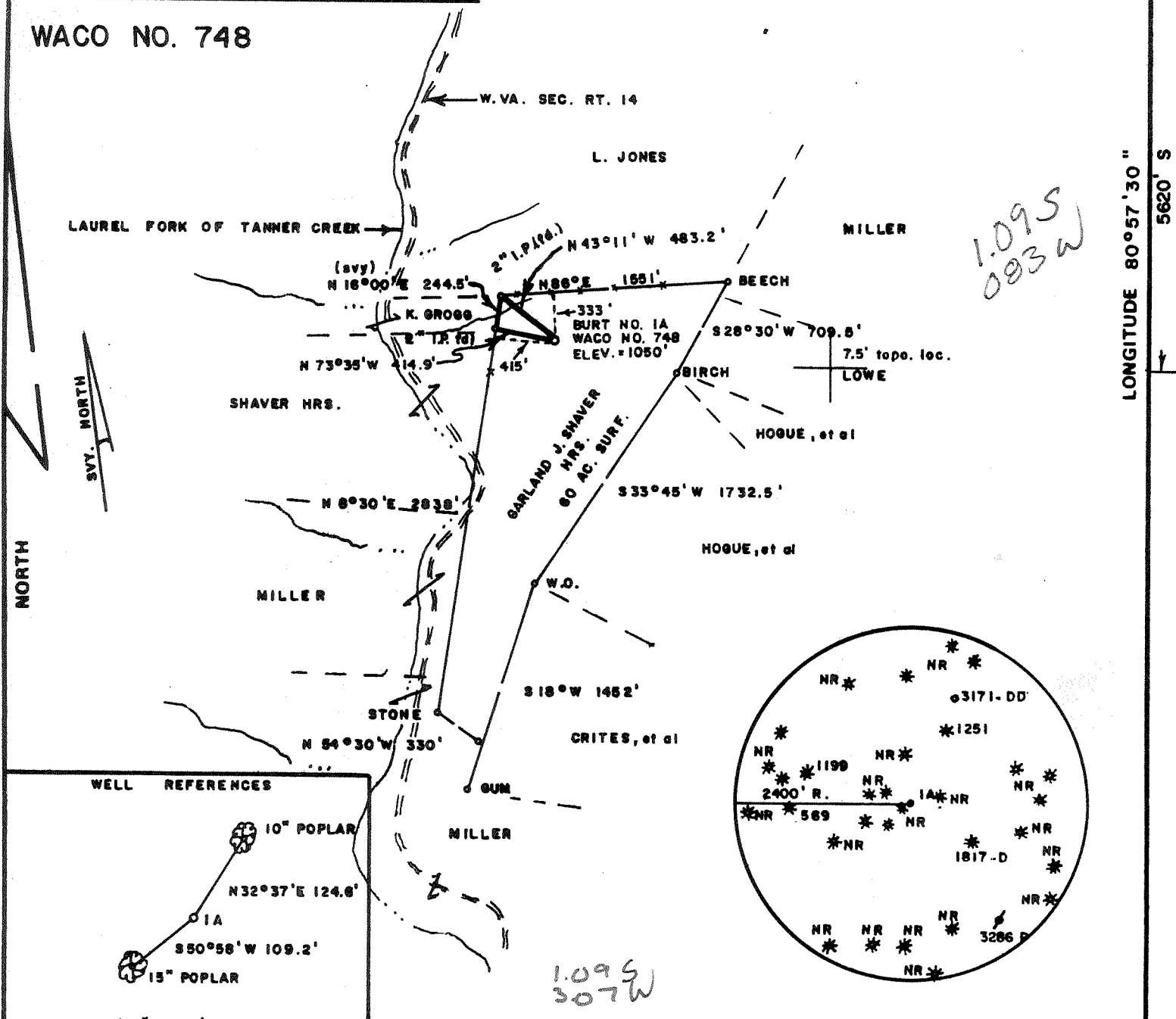


BURT LEASE 63 AC. ±

LATITUDE 39°00'00"

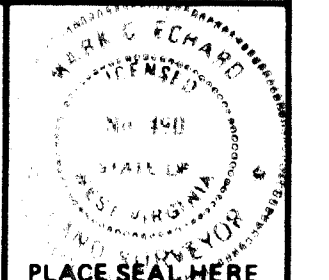
WACO NO. 748



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION Jct. of Roads
West side of Lease Elev. = 765'

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



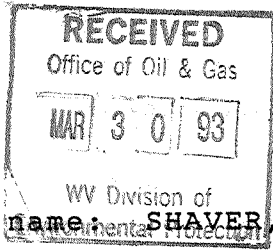
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE AUGUST 19, 1992
 OPERATOR'S WELL NO. BURT NO. 1A
 API WELL NO. WACO NO. 748
47 - 021 - 5088
 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 1050' WATER SHED LAUREL FORK
 DISTRICT DEKALB COUNTY GILMER
 QUADRANGLE TANNER 7.5' *Glenville NW*
 SURFACE OWNER GARLAND J. SHAVAR, HRS. ACREAGE 60 of 63
 OIL & GAS ROYALTY OWNER S.A. SMITH c/o UNB, et al LEASE ACREAGE 63
 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



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

Well Operator's Report of Well Work

Farm name: SHAVER, GARLAND J. HEIRS Operator Well No.: BURT 1A WACO748

LOCATION: Elevation: 1050.00 Quadrangle: TANNER

District: DEKALB County: GILMER
Latitude: 5620 Feet South of 39 Deg. 0 Min. 0 Sec.
Longitude 4310 Feet West of 80 Deg. 57 Min. 30 Sec.

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

Agent: STEPHEN E. HOLLOWAY

Inspector: CRAIG DUCKWORTH
Permit Issued: 10/01/92
Well work Commenced: 11/09/92
Well work Completed: 11/15/92
Verbal Plugging _____
Permission granted on: _____
Rotary X Cable _____ Rig _____
Total Depth (feet) 6334'
Fresh water depths (ft) _____
170'
Salt water depths (ft) _____
None

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"	174	174	C.T.S.
8-5/8"	1,979	1,979	160 Sk.
4-1/2"		6,256	680 Sk.

OPEN FLOW DATA

Producing formation Devonian Shale 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 1750 MCF/d Final open flow Show Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 1470 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 STIMULATING, 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 & GAS CO., INC.

Reviewed TMG
Recorded _____

By: Daniel R. Chapman, Geologist
Date: January 29, 1993

APR 5 1993

437 436

- 1st stage: Devonian Shale (6214-5630) 1750 gal 15% HCL, 40 ton CO₂, 700 mcf N₂
- 2nd stage: Elk, Alexander, Benson, Riley (5398-4624) 665 gal 15% HCL, 40 ton CO₂, 900 mcf N₂
- 3rd stage: Riley, Balltown (4421-3877) 665 gal 15% HCL, 45 ton CO₂, 1100 mcf N₂
- 4th stage: Balltown, Speechly (3771-3319) 665 gal 15% HCL, 34 ton CO₂, 820 mcf N₂

Sand, Shale	0	400	1/4" stream @ 170'
Sand, Shale, Red Rock	400	1040	
Sand, Shale	1040	1911	
Little Lime	1911	1935	
Blue Monday	1935	1960	
Big Lime	1960	2000	
Big Injun	2000	2093	
Sand, Shale	2093	3328	
Speechly Section	3328	3657	
Shale	3657	3720	
Balltown Section	3720	4288	
Riley Section	4288	4706	
Shale	4706	4750	
Benson	4750	4755	
Shale	4755	4977	
Alexander	4977	5029	
Shale	5029	5145	
Elk Section	5145	5400	
Shale	5400	6334	T. D.

DF }
 DAT } 437

021-5088

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

Issued 10/01/92 Page ___ of ___
Expires 10/01/94
51800 (2) 633

- 1) Well Operator: Waco Oil and Gas Company, Inc.
- 2) Operator's Well Number: Waco 748-Burt 1A 3) Elevation: 1050'
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Marcellus
- 6) Proposed Total Depth: 5900 feet
- 7) Approximate fresh water strata depths: 87'
- 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)

RECEIVED
WV Division of
Environmental Protection
SEP 15 92
Permitting
Office of Oil & Gas

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling		Left in well
Conductor						
Fresh Water	8-5/8"	A P I	20.#	700'	700'	C. T. S.
Coal						
Intermediate						
Production	4-1/2"	A P I	10.5#		5,900'	525 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 021-5088
 (Type)

14274

020531

RECEIVED

WV Division of Environmental Protection

SEP 15 92

Permitting Office of Oil & Gas

Page 1 of Form WW2-A (09/87)

- 1) Date: August 31, 1992
2) Operator's well number Waco 748 - Burt 1A
3) API Well No: 47 - 021 - 5088 State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served: (a) Name Garland J. Shaver, Hrs. Address Rt. 5, Box 555 Buckhannon, WV 26201 (b) Name Address (c) Name Address 6) Inspector Craig Duckworth Address Box 107, Davisson Rt. Gassaway, WV 26624 Telephone (304)- 364-5942

- 5) (a) Coal Operator: Name N/A Address (b) Coal Owner(s) with Declaration Name N/A Address (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: Stephen E. Holloway Its: Agent Address P. O. Box 397 Glenville, WV 26351 Telephone (304) 462-5347

Subscribed and sworn before me this 31st day of August, 1992

James B. McHenry My commission expires November 4, 1993

Notary Public 021-05088