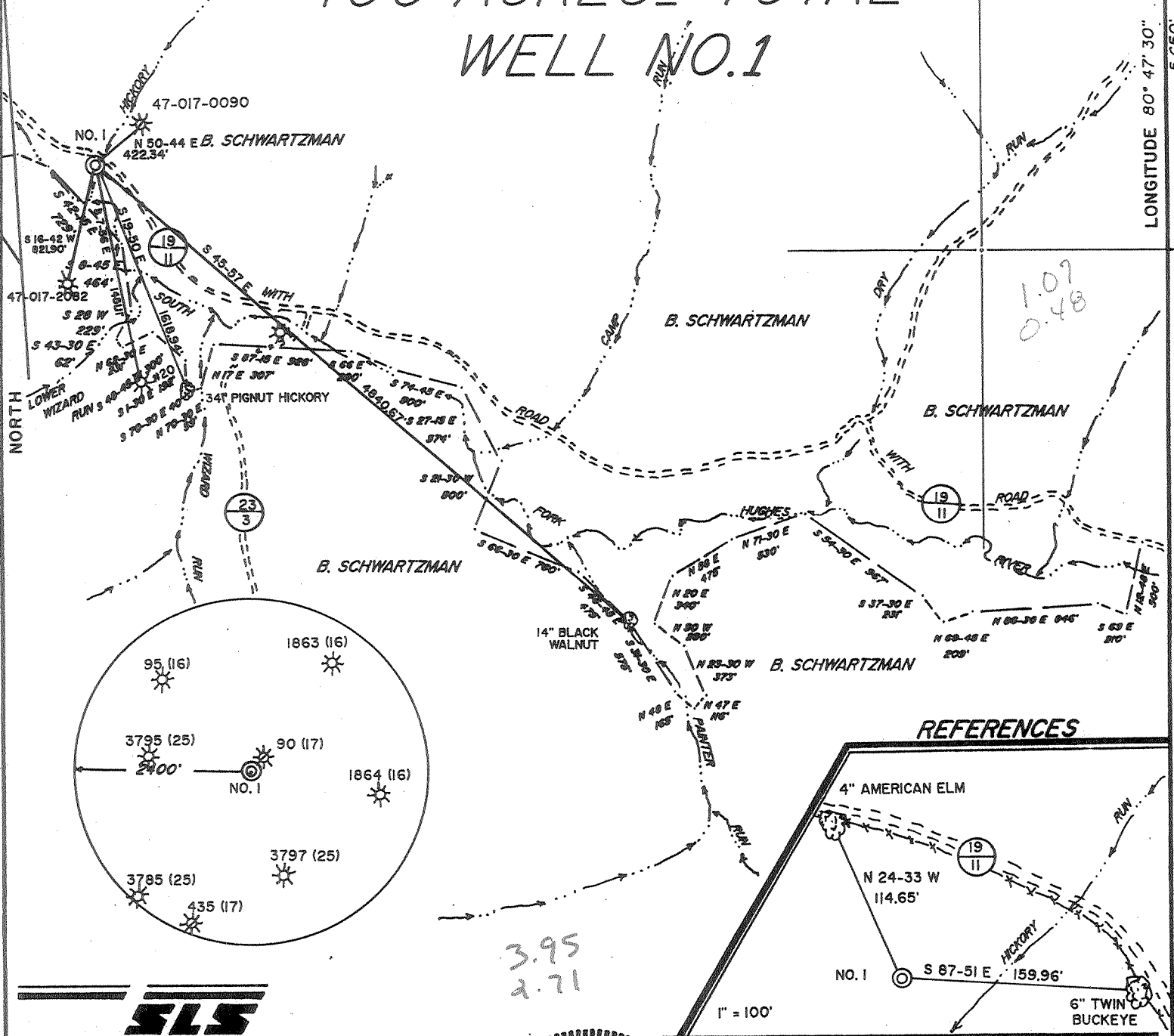
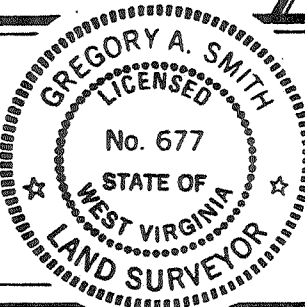


CNG / TUTENBURG LEASE 400 ACRES+ TOTAL WELL NO. 1



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 ENERGY.

L.L.S. 677 Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE APRIL 29, 19 92
 OPERATORS WELL NO. CNG / TUTENBURG NO. 1
 WVD0004201
 API WELL NO. 47 - 017 - 3957
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2845 (37-57)
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 907' SCALE 1" = 1000'

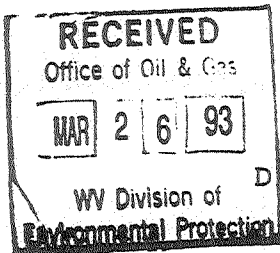
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 881' WATERSHED HICKORY RUN OF SOUTH FORK HUGHES RIVER
 DISTRICT SOUTHWEST 7 COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'
 SURFACE OWNER BEATRICE SCHWARTZMAN ACREAGE 400
 ROYALTY OWNER W.B. MAXWELL HEIRS ET. AL. LEASE ACREAGE 400
 PROPOSED WORK: LEASE NO. WVO2524-+
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION ALEXANDER
 ESTIMATED DEPTH 4965'

WELL OPERATOR EASTERN AMERICAN ENERGY CORPORATION DESIGNATED AGENT JOHN M. PALETTI
 ADDRESS BOX N GLENVILLE, WV 26351 ADDRESS 501 56th St. CHARLESTON, WV 25304

COUNTY NAME PERMIT

WR-35



01-Jun-92
API # 47- 17-03957

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

Well Operator's Report of Well Work

Farm name: SCHWARTZMAN, BEATRICE Operator Well No.: CNG TUTENBURG 1

LOCATION: Elevation: 881.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 5650 Feet South of 39 Deg. 12Min. 30 Sec.
Longitude 2550 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: EASTERN AMERICAN ENERGY C
P. O. BOX N
GLENNVILLE, WV 26351-0000

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD
Permit Issued: 06/03/92
Well work Commenced: 11/14/92
Well work Completed: 11/28/92
Verbal Plugging
Permission granted on:
Rotary x Cable _____ Rig _____
Total Depth (feet) 5070'
Fresh water depths (ft) 40', 69',
75', 85', 90', 160', 220'
Salt water depths (ft) 1055'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	127.20'	127.20'	CTS 75 sxs
8-5/8"	1017.45'	1017.45'	CTS 245 sxs
4-1/2"	-----	4918.50'	275 sxs
1-1/2"	-----	4768.05'	-----

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 75-80', 683-687'

OPEN FLOW DATA

(commingled) Alexander, Benson, 4839.5'-
Producing formation 3rd Riley, Riley Pay zone depth (ft) 4103.5'
Gas: Initial open flow 671 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 516 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock Pressure 1125 psig (surface pressure) after 24 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.

Reviewed TM6
Recorded _____

For: Ronald L. Rech
EASTERN AMERICAN ENERGY CORP.

By: Ronald L. Rech, Regional Drilling Manager
Date: March 12, 1993

JUN 4 1993

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

Three Stage Frac:

Alexander: 15 holes (4793.5'-4839.5'), fraced w/energized water (150 scf/bbl), 30 lbs gel/1000 gals, 50,000 lbs 20/40 sand, 500 gals 15% HCl acid and 96,250 scf of N₂

Benson/3rd Riley: 13 Holes(4444.5'-4524'), fraced w/energized water (150 scf/bbl), 30 lbs gel/1000 gals, 40,000 lbs 20/40 sand, 500 gals 15% HCl acid and 89,350 scf of N₂

Riley: 13 Holes (4103.5'-4120.5'), fraced w/energized water (150 scf/bbl), 30 lbs gel/1000 gals, 35,000 lbs 20/40 sand, 500 gals 15% HCl acid and 28,000 scf of 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 & Fill			0	10	
Shale & Sand			10	75	1/2" stream water @ 40'
Coal			75	80	1" stream water @ 69'
Shale and Sand			80	180	Coal @ 80'
Red Rock			180	220	2" stream water @ 75'
Sand and Shale			220	415	3" stream water @ 85'
Sand, Red Rock and Shale			415	525	4" stream water @ 90'
Shale and Red Rock			525	683	2" stream water @ 160'
Coal			683	687	1-1/2" stream water @ 220'
Sand and Shale			687	1508	Coal @ 687'
Little Lime			1508	1522	Damp @ 1055'
Sand and Shale			1522	1552	
Big Lime			1552	1612	
Big Injun			1612	1690	<u>Gas Checks:</u>
Shale			1690	1848	1519' - no show
Weir			1848	1962	1642' - slight odor
Shale			1962	2046	1797' - slight odor
Berea			2046	2052	1980' - 2/10 thru 2" w/w (60 mcf)
Shale and Sand			2052	2930	3102' - 12/10 thru 2" w/w (146 mcf)
Warren			2930	2952	3600' - 8/10 thru 2" w/w (119 mcf)
Shale			2952	2968	3942' - 6/10 thru 2" w/w (103 mcf)
Speechley			2968	3058	4160' - 6/10 thru 2" w/w (103 mcf)
Shale and Sand			3058	3650	4340' - 8/10 thru 2" w/w (119 mcf)
Balltown			3650	3712	4472' - 8/10 thru 2" w/w (119 mcf)
Shale and Sand			3712	4086	4599' - 12/10 thru 2" w/w (146 mcf)
Riley			4086	4126	
Shale			4126	4433	
3rd Riley			4433	4462	
Shale			4462	4519	
Benson			4519	4529	
Shale and Sand			4529	4770	
Alexander			4770	4844	
Shale			4844	5070	
				5070	

TD

DF 424
DFT 439

13735

(Attach separate sheets as necessary)

017-3957
 Issued 06/03/92

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

Expires 06/03/94

- 1) Well Operator: Eastern American Energy Corporation 14980(7) 525
- 2) Operator's Well Number: CNG/TUTENBURG #1 3) Elevation: 881'
WVDOD004201
- 4) Well type: (a) Oil / or Gas /
 (b) If Gas: Production / Underground Storage /
 Deep / Shallow /
- 5) Proposed Target Formation(s): Alexander
- 6) Proposed Total Depth: 4965' feet
- 7) Approximate fresh water strata depths: 435'
- 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 complete new well.

RECEIVED
 Office of Oil & Gas
 Permitting
 MAY 18 1992
 WV Division of
 Environmental Protection

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11-3/4"	F-25	32.0	40'		
Fresh Water	8-5/8"	F-25	20.0	981'	981'	C.T.S. 38CSR18-11.3
Coal						38CSR18-11.2
Intermediate	*					
Production	4-1/2"	J-55	10.5	4880'	4880'	38CSR18-11.1
Tubing						
Liners						

* OPTIONAL: Based upon coal or excessive amounts of water being encountered below the 9-5/8" casing.

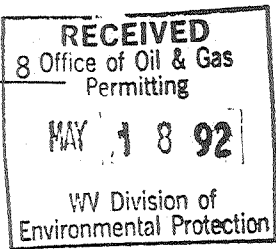
PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

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

13735

25148
20



1) Date: May 15, 1992
2) Operator's well number
CNG/TUTENBURG #1 WVDOD004201
3) API Well No: 47 - 017 - 3957
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 Beatrice Schwartzman
Address 2520 30th Street, N.W.
Washington, DC 20008
(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 Mike Underwood
Address Rt. 2 Box 135
Salem, WV 26426
Telephone (304)-782-1043
(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

XX 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 8 on the above named parties, by:

- Personal Service (Affidavit attached)
- XX 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 Eastern American Energy Corporation
By: John M. Paletti
Its: Designated Agent
Address P.O. Box N
Glenville, WV 26351
Telephone (304) 462-5781

Subscribed and sworn before me this 15th day of May, 1992

Marilyn M. Bean Notary Public
My commission expires February 26, 2002.

CRITICAL SEAL NOTARY PUBLIC
STATE OF WEST VIRGINIA
MARILYN M. BEAN
257 N. RIVER AVE.
WESTON, WV 26452
My Commission Expires Feb. 26, 2002

