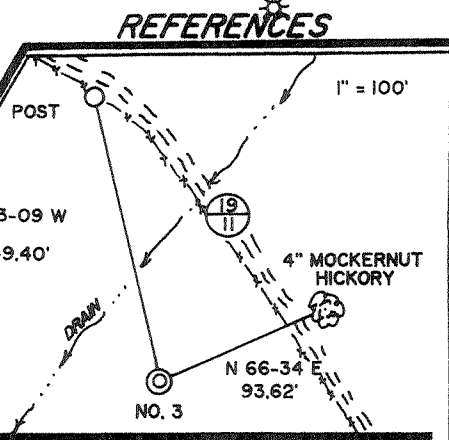
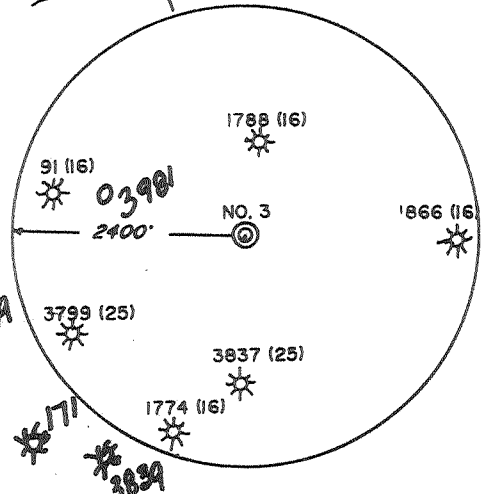
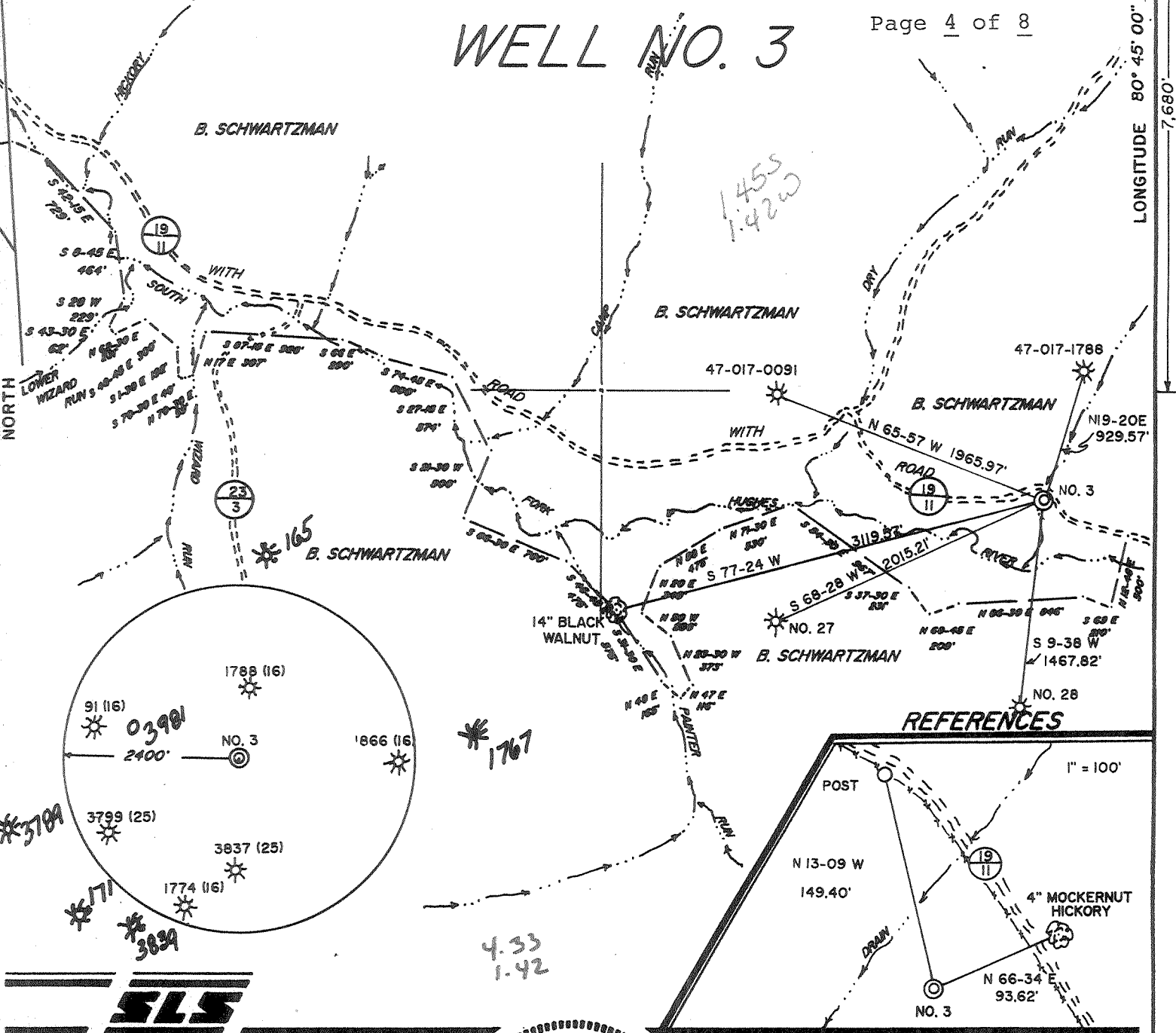


Jamie
8/11/92

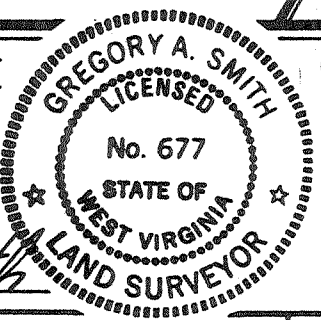
CNG / TUTENBURG LEASE

400 ACRES ± TOTAL

WELL NO. 3



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

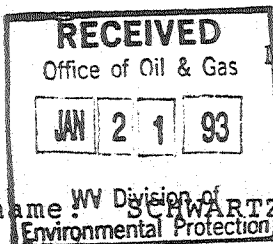
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE APRIL 29, 19 92
 OPERATORS WELL NO. CNG / TUTENBURG NO. 3
 WVDOD004203
 API WELL NO. 47 - 017 - 3982
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2845 (37-58)
 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 918' WATERSHED SOUTH FORK HUGHES RIVER
 DISTRICT SOUTHWEST 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: 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 5000'

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



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

Well Operator's Report of Well Work

Farm name: WV Division of Environmental Protection SCHWARTZMAN, BEATRICE Operator Well No.: CNG/TUTENBURG#3

LOCATION: Elevation: 918.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 7680 Feet South of 39 Deg. 12Min. 30 Sec.
Longitude 7600 Feet West of 80 Deg. 45 Min. 0 Sec.

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

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD
Permit Issued: 08/17/92
Well work Commenced: 12/02/92
Well work Completed: 12/23/92
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5000'
Fresh water depths (ft) 90', 199', 260'
Salt water depths (ft) None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	185.45'	185.45'	100 sxs CTS
8-5/8"	1105.20'	1105.20'	265 sxs CTS
4-1/2"	-----	4953.30'	275 sxs
1-1/2"	-----	4793.65'	-----

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 886' - 890'

OPEN FLOW DATA

Producing formation Alexander, Benson, Riley Pay zone depth (ft) 4878' - 4099.5'
Gas: Initial open flow 207 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 189 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock Pressure 1150 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.

For: Ronald L. Rech
EASTERN AMERICAN ENERGY CORP.

Reviewed TMG
Recorded CH

By: Ronald L. Rech, Regional Drilling Manager
Date: January 14, 1993

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

THREE STAGE FRAC

Alexander: 17 holes (4878'-4822'), fraced w/energized water (150 scf/bbl), 30 lbs gel/
1000 gals, 50,000 lbs 20/40 sand, 500 gals 15% HCl acid and 105,000 scf of N₂

Benson: 10 holes(4542.5'-4537.5'), fraced w/energized water, (150 scf/bbl), 30 lbs gel/
1000 gals, 40,000 lbs 20/40 sand, 500 gals 15% HCl acid and 65,000 scf of N₂

Riley: 15 holes (4130'-4099.5'), fraced w/energized water (150 scf/bbl), 30 lbs gel/
1000 gals, 21,500 lbs 20/40 sand, 500 gals 15% HCl acid and 56,100 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
Sub			0	10	
Shale, Redrock and Sand			10	90	90' - hole full, water
Sand, Shale and Redrock			90	199	199' - hole damp
Shale and Sand			199	380	260' - 1/4" water
Sand, Shale and Redrock			380	715	
Shale and Sand			715	886	
Coal			886	890	
Sandy Shale			890	1050	<u>Gas Checks:</u>
Sand			1050	1080	1531' - 4/10 thru 2" w/w
Shale			1080	1345	1654' - 4/10 thru 2" w/w
Sandy Shale			1345	1468	1811' - 4/10 thru 2" w/w
Shale and Lime			1468	1570	2027' - 7/10 thru 2" w/w
Big Lime			1570	1650	2431' - 8/10 thru 2" w/w
Big Injun			1650	1706	2835' - 12/10 thru 2" w/w
Shale			1706	1852	3108' - 8/10 thru 2" w/w
Weir			1852	1977	3612' - 4/10 thru 2" w/w
Shale			1977	2055	4014' - 4/10 thru 2" w/w
Berea			2055	2065	4261' - 3/10 thru 2" w/w
Shale w/sme silt/tr sand			2065	2924	4415' - 16/10 thru 2" w/w
Warren			2924	2961	4509' - 12/10 thru 2" w/w
Shale w/sme silt			2961	4096	4603' - 12/10 thru 2" w/w
Riley			4096	4134	4914' - 8/10 thru 2" w/w
Shale w/tr silt			4134	4418	
Third Riley			4418	4427	
Shale			4427	4535	
Benson			4535	4545	
Shale w/tr silt			4545	4796	
Alexander			4796	4886	
Shale			4886	5000	
			TD	5000	

DF - 424
DFT - 439

(Attach separate sheets as necessary)

14096

017-3982
Issued 8/17/92

Permitting
Office of Oil & Gas
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

Expires 8/17/94

- 1) Well Operator: Eastern American Energy Corporation 14980 (7) 525
- 2) Operator's Well Number: CNG/TUTENBURG #3 3) Elevation: 918'
WVDOD004203
- 4) Well type: (a) Oil / or Gas XX/
(b) If Gas: Production XX/ Underground Storage /
Deep / Shallow XX/
- 5) Proposed Target Formation(s): Alexander
- 6) Proposed Total Depth: 5000' feet
- 7) Approximate fresh water strata depths: 76', 87', 156', 373'
- 8) Approximate salt water depths: 1289', 1331'
- 9) Approximate coal seam depths: 236'-238' ft.
- 10) Does land contain coal seams tributary to active mine? Yes / No XX/
- 11) Proposed Well Work: Drill and complete 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	11-3/4"	F-25	32.0	40'		
Fresh Water	8-5/8"	G-25	20.0	1018'	1018'	C.T.S. 38CSR18-11.3 38CSR18-11.2.2
Coal						
Intermediate	*					
Production	4-1/2"	J-55	10.5	4915'	4915'	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

25155
38

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

JUL 3 0

1) Date: July 29, 1992
2) Operator's well number
CNG/TUTENBURG #3 WVDOD004203
3) API Well No: 47 - 017 - 3982
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:	5) (a) Coal Operator:
(a) Name <u>Beatrice Schwartzman</u>	Name <u>N/A</u>
Address <u>2520 30th Street, N.W.</u>	Address _____
<u>Washington, DC 20008</u>	
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
	Address _____
(c) Name _____	Name _____
Address _____	Address _____
	(c) Coal Lessee with Declaration
6) Inspector <u>Mike Underwood</u>	Name <u>N/A</u>
Address <u>Rt. 2 Box 135</u>	Address _____
<u>Salem, WV 26426</u>	
Telephone (304)- <u>782-1043</u>	

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. Galbraith
 Its: Designated Agent
 Address P.O. Box N
Glenville, WV 26351
 Telephone (304) 462-5781



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

Subscribed and sworn before me this 29th day of July, 1992

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