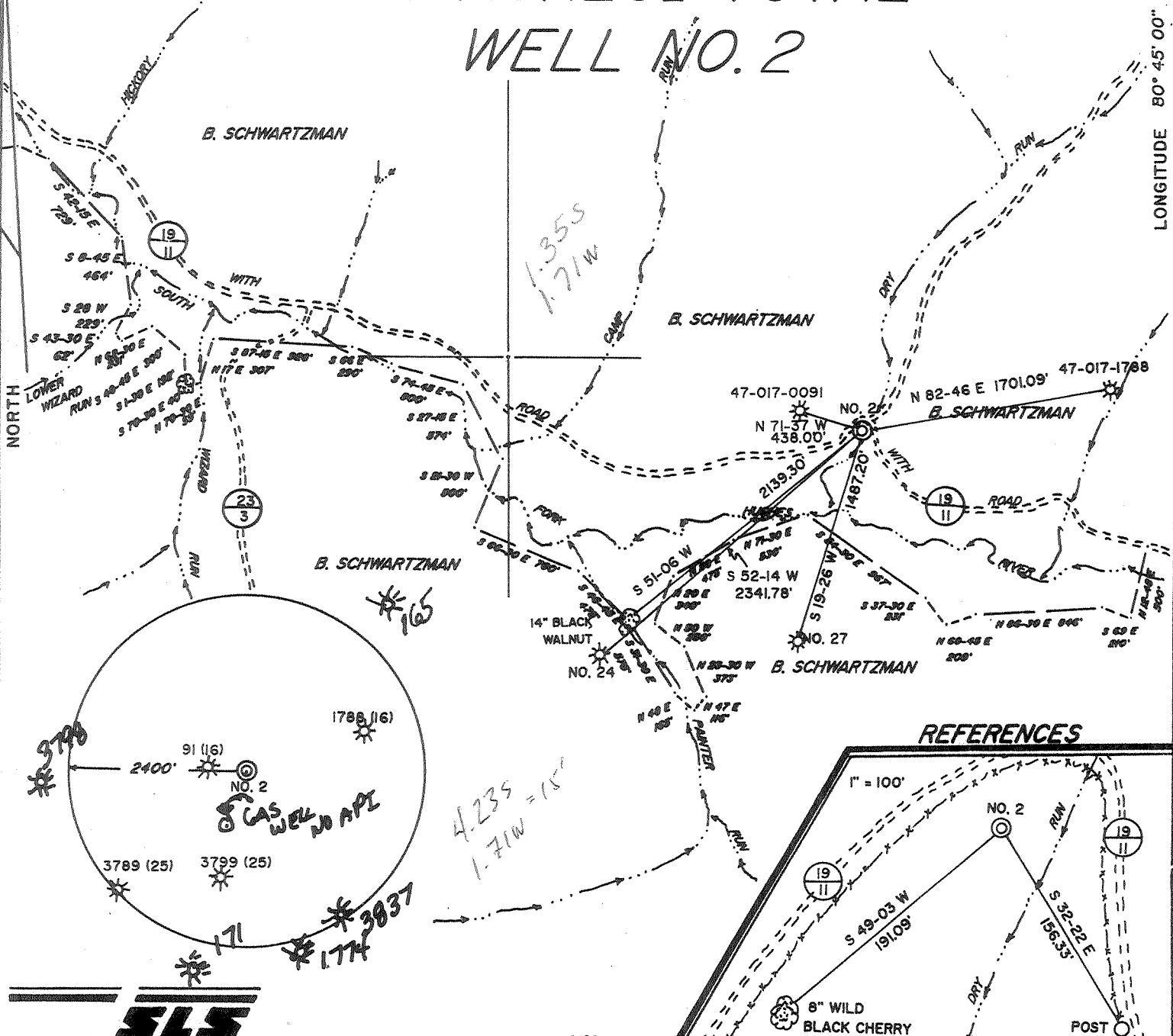


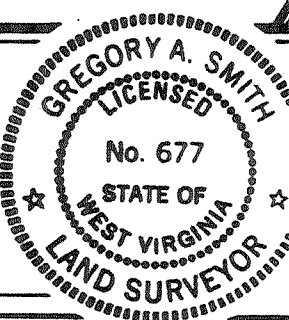
CNG / TUTENBURG LEASE 400 ACRES± TOTAL WELL NO. 2

Jamil
8/10/92



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. *Gregory A. Smith*
677



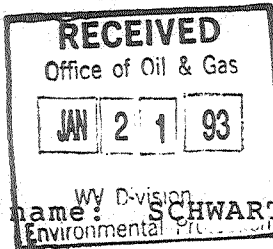
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE APRIL 29, 19 92
OPERATORS WELL NO. CNG / TUTENBURG NO.2
API WELL NO. 47 - 017 - 3981
STATE COUNTY PERMIT

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 908' WATERSHED DRY RUN OF SOUTH FORK HUGHES RIVER *Hellbrook (NE)*
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: LEASE NO. WV02524 - +
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 4975'

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: SCHWARTZMAN, BEATRICE Operator Well No.: CNG/TUTENBURG#2

LOCATION: Elevation: 908.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
 Latitude: 7130 Feet South of 39 Deg. 12Min. 30 Sec.
 Longitude: 9070 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: 11/21/92
 Well work Completed: 12/08/92
 Verbal Plugging
 Permission granted on: _____
 Rotary XX Cable _____ Rig _____
 Total Depth (feet) 5117'
 Fresh water depths (ft) 48', 55', 69',
76', 250'
 Salt water depths (ft) 1080'

Is coal being mined in area (Y/N)? N
 Coal Depths (ft): 319' - 324'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11-3/4"	161.00'	161.00'	100 sxs
8-5/8"	1027.20'	1027.20'	240 sxs
4-1/2"	-----	4967.65'	275 sxs
1-1/2"	-----	4767.45'	----

OPEN FLOW DATA

Producing formation Alexander, Riley Pay zone depth (ft) 4833' - 4094.5'
 Gas: Initial open flow 348 MCF/d Oil: Initial open flow N/A Bbl/d
 Final open flow 231 MCF/d Final open flow N/A Bbl/d
 Time of open flow between initial and final tests 15 Hours
 Static rock Pressure 1050 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 MAY 14 1993
 EASTERN AMERICAN ENERGY CORP.

Reviewed TMG
 Recorded CA

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

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

Two Stage Frac

Alexander, : 16 holes (4833'-4806.5'), fraced w/energized water (150 scf/bbl), 30 lbs gel/1000 gals, 50,000 lbs 20/40 sand, 500 gals 15% HCl acid and 98,000 scf of N₂

Riley: 15 holes (4110.5'-4094.5'), fraced w/energized water (150 scf/bbl), 30 lbs gel/1000 gals, 40,000 lbs 20/40 sand, 500 gals 15% HCl acid and 88,000 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
Redrock and Shale and Sand			0	20	48' - 1/2" stream water
Sand			20	90	55' - 2" stream water
Shale and Sand			90	198	69' - 3" stream water
Sand, Shale and Redrock			198	289	76' - 4" stream water
Shale and Sand			289	319	145' - hole full
Coal			319	324	250' - hole damp
Shale and Sand			324	530	1080' - hole damp
Sand, Shale and Redrock			530	650	
Redrock, Shale and Sand			650	760	
Shale and Sand			760	1475	<u>Gas Checks:</u>
Shale and Lime			1475	1554	1469' - 6/10 thru 2" w/w
Big Lime			1554	1627	1594' - 6/10 thru 2" w/w
Big Injun			1627	1684	1750' - 8/10 thru 2" w/w
Shale			1684	1833	1968' - 6/10 thru 2" w/w
Weir			1833	1950	2405' - 7/10 thru 2" w/w
Shale			1950	2035	2810' - 6/10 thru 2" w/w
Berea			2035	2046	2996' - 12/10 thru 2" w/w
Shale w/silt, Sand			2046	2900	4143' - 8/10 thru 2" w/w
Warren			2900	2936	4300' - 8/10 thru 2" w/w
Shale w/silt			2936	4075	4456' - 9/10 thru 2" w/w
Riley			4075	4116	4612' - 9/10 thru 2" w/w
Shale w/silt			4116	4514	4764' - 9/10 thru 2" w/w
Benson			4514	4527	4917' - 8/10 thru 2" w/w
Shale w/sand			4527	4768	TD - 8/10 thru 2" w/w
Alexander			4768	4879	DC - 4/10 thru 2" w/w
Shale			4879	5117	
Total Depth				5117	

DF - 424
DFT - 439

(Attach separate sheets as necessary)

56061

1095

RECEIVED

017-3981
Issued 8/17/92

FORM WW-2B

M 3 0

Expires Page 3 of 8
8/17/94

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

- 1) Well Operator: Eastern American Energy Corporation 1498° (7) 525
- 2) Operator's Well Number: CNG/TUTENBURG #2 3) Elevation: 908'
WVDODO04202
- 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: 4975 feet
- 7) Approximate fresh water strata depths: 66', 77', 146', 363'
- 8) Approximate salt water depths: 1229', 1321'
- 9) Approximate coal seam depths: 226' - 229'
- 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"	F-25	20.0	1008'	1008'	C.T.S. 38CSR18-11.3 38CSR18-11.2.2
Coal						
Intermediate	*					
Production	4-1/2"	J-55	10.5	4890'	4890'	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

5154
25

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

JUL 3 0

1) Date: July 28, 1992
2) Operator's well number
CNG/TUTENBURG #2 WVDOD004202
3) API Well No: 47 - 017 - 3981
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)

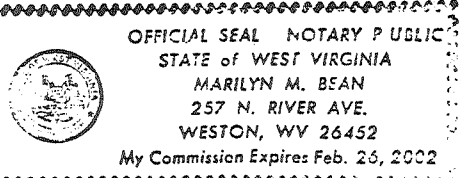
I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

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

Subscribed and sworn before me this 28th day of July, 1992



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