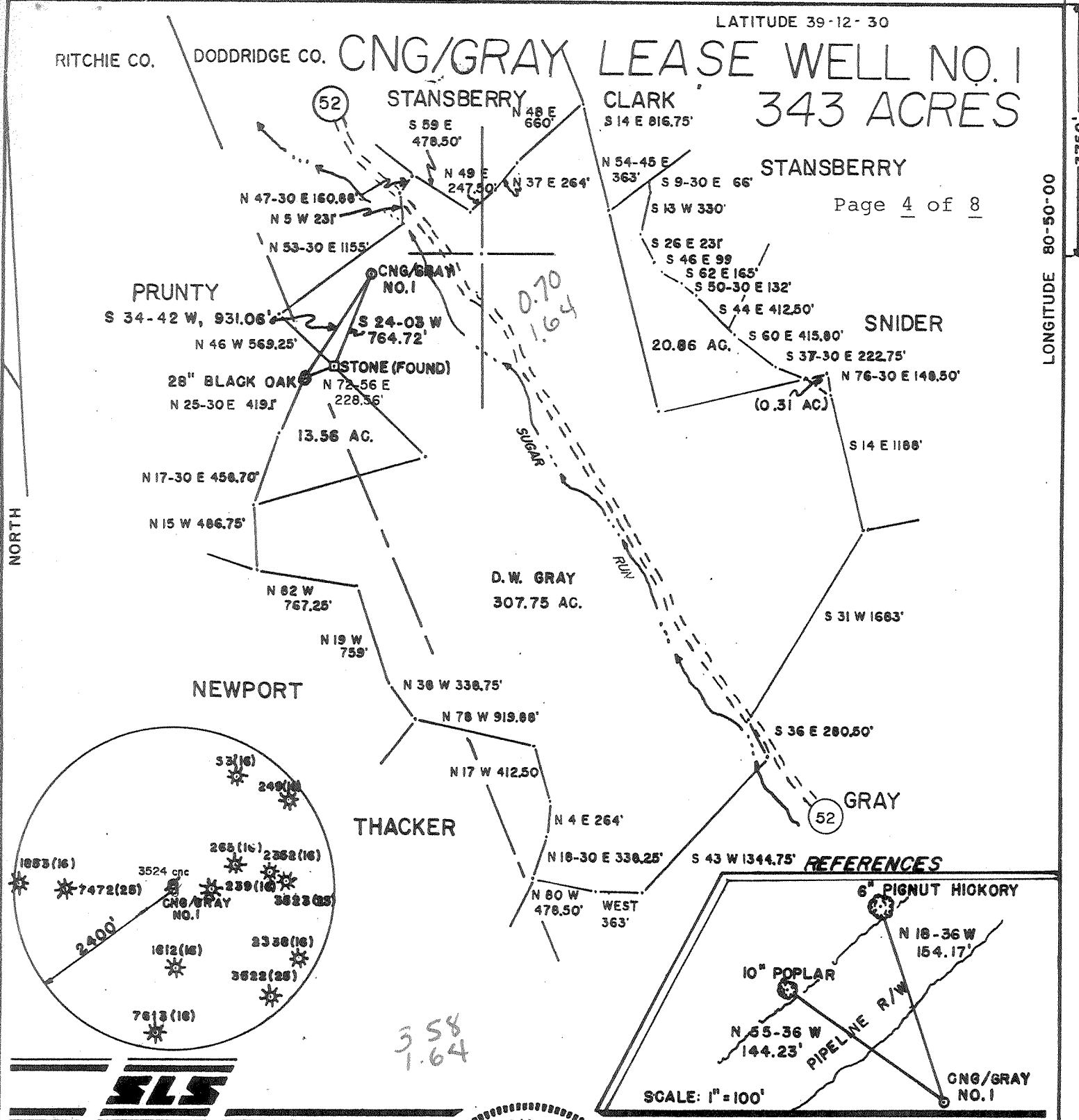


RITCHIE CO. DODDRIDGE CO. **CNG/GRAY LEASE WELL NO. 1**

**343 ACRES**



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 SEPTEMBER 22, 19 92  
 OPERATORS WELL NO. CNG/GRAY NO. 1  
 WV DODD004401  
 API WELL NO. 47 - 017 - 3990  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2692 (39-67)  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB SCALE 1" = 1,000'  
 ELEVATION 1317'

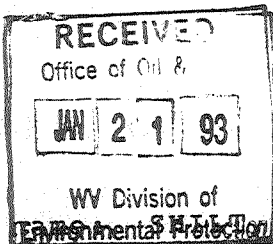
**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF ENERGY  
**OIL AND GAS DIVISION**



WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 920' WATERSHED SUGAR RUN  
 DISTRICT SOUTHWEST 7 COUNTY DODDRIDGE QUADRANGLE OXFORD 75'  
 SURFACE OWNER VENOCHIA GRAY Thelma Shilt & Edna Snider ACREAGE 132.33  
 ROYALTY OWNER D. W. GRAY LEASE ACREAGE 343  
 PROPOSED WORK: LEASE NO. WV02529-+  
 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 5129'

WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT JOHN M. PALETTI  
 ADDRESS BOX N GLENVILLE, WV 26351 ADDRESS 501 56TH ST. CHARLESTON, WV 25304

COUNTY NAME PERMIT



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

Well Operator's Report of Well Work

Farm THELMA/EDNA SNIDER Operator Well No.: CNG/GRAY 1

LOCATION: Elevation: 920.00      Quadrangle: OXFORD

District: SOUTHWEST      County: DODDRIDGE  
 Latitude: 3750 Feet South of 39 Deg. 12Min. 30 Sec.  
 Longitude 8680 Feet West of 80 Deg. 50 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: 10/19/92  
 Well work Commenced: 11/20/92  
 Well work Completed: 12/12/92  
 Verbal Plugging  
 Permission granted on: \_\_\_\_\_  
 Rotary X Cable \_\_\_\_\_ Rig  
 Total Depth (feet) 5337'  
 Fresh water depths (ft) 81', 470'

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. CTS
8-5/8"	973.45'	973.45'	240 sxs
4-1/2"	-----	5183.35'	280 sxs
1-1/2"	-----	5001.75'	----

OPEN FLOW DATA

Producing formation Alexander, Benson, 3rd Riley, Riley Pay zone depth (ft) 5094'-4370'  
 Gas: Initial open flow 421 MCF/d Oil: Initial open flow N/A Bbl/d  
 Final open flow 298 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 TML  
 Recorded CH

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

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

Alexander: 16 holes (5094'-5036'), fraced w/energized water (150 scf/bbl),  
30 lbs gel/1000 gals, 50,000 lbs 20/40 sand, 500 gals 15% HCl acid and 103,500 scf N<sub>2</sub>

Benson/3rd Riley: 11 holes (4778'-4675'), fraced w/energized water (150 scf/bbl),  
30 lbs gel/1000 gals, 40,000 lbs 20/40 sand, 500 gals 15% HCl acid and 90,000 scf N<sub>2</sub>

Riley: 14 holes (4396.5'-4370'), fraced w/energized water (150 scf/bbl), 30 lbs  
gel/1000 gals, 35,000 lbs 20/40 sand, 500 gals 15% HCl acid and 101,000 scf of N<sub>2</sub>

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Fill			0	10	
Sand and Shale			10	34	
Sand, Shale, Redrock			34	230	81' - 3/4" stream water
Sand			230	270	
Shale, Redrock			270	712	470' - 1-1/2" stream water
Sand			712	744	
Sand, Shale and Redrock			744	950	
Sand			950	960	<u>Gas Checks:</u>
Sand and Shale			960	1848	1881' - no show
Big Lime			1848	1908	1971' - no show
Keener			1908	1930	2097' - no show
Big Injun			1930	1973	2406' - no show
Shale and Sandy Shale			1973	2142	2720' - 2/10 thru 3/4" w/w
Weir			2142	2272	3099' - 6/10 thru 3/4" w/w
Shale			2272	2332	3412' - no show
Berea			2332	2336	3537' - no show
Shale and Sandy Shale			2336	3229	3725' - 10/10 thru 3/4" w/w
Warren			3229	3268	3990' - no show
Shale and Sandy Shale			3268	4369	4308' - no show
Riley			4369	4405	4496' - no show
Shale and Sandy Shale			4405	4774	4652' - no show
Benson			4774	4778	4737' - no show
Shale			4778	5032	4808' - no show
Alexander			5032	5090	4964' - no show
Shale			5090	5337	5120' - no show
Drillers TD				5337	

DF - 424  
DFT - 439

(Attach separate sheets as necessary)

11/3/81

017 3990  
bond 10/19/92

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

- 1) Well Operator: Eastern American Energy Corporation 14980 (7) 525
- 2) Operator's Well Number: CNG/GRAY #1 WVDOD004401 3) Elevation: 920'
- 4) Well type: (a) Oil   / or Gas XX/  
(b) If Gas: Production XX/ Underground Storage   /  
Deep   / Shallow XX/
- 5) Proposed Target Formation(s): Alexander 439
- 6) Proposed Total Depth: 5192' feet
- 7) Approximate fresh water strata depths: 30', 250'
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: 258-259', 310-312'
- 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	950	950	C.T.S. 38CSR18-11.3 38CSR18-11.2, 2
Coal						
Intermediate	*					
Production	4-1/2"	J-55	10.5	5107	5107	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)

14368

34314  
34



REVISED FORM

Page 1 of 8  
Form WW2-A  
(09/87)

1) Date: October 6, 1992  
2) Operator's well number  
CNG/GRAY #1 WVDOD004401  
3) API Well No: 47 - 017 - 3990  
State - County - Permit

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

RECEIVED  
OCT 07 92

4) Surface Owner(s) to be served:	5) (a) Coal Operator:
(a) Name <u>Thelma Shilt</u>	Name <u>N/A</u>
Address <u>293 Downing Place</u>	Address _____
<u>Englewood, OH 45322</u>	
(b) Name <u>Edna Rose Snider</u>	(b) Coal Owner(s) with Declaration
Address <u>715 Arrow Court</u>	Name <u>N/A</u>
<u>Vandalia, OH 45377</u>	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Mike Underwood</u>	(c) Coal Lessee with Declaration
Address <u>Rt. 2 Box 135</u>	Name <u>N/A</u>
<u>Salem, WV 26426</u>	Address _____
Telephone (304) - <u>782-1043</u>	

Permitting  
Office of Oil & Gas

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

Subscribed and sworn before me this 6th day of October, 19 92

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

OFFICIAL SEAL NOTARY PUBLIC  
STATE OF WEST VIRGINIA  
MARILYN M. BEAN  
257 N. RIVER AVE.  
WESTON, WV 26452

My Commission Expires Feb. 26, 2002