

Janie  
8/31/90

# WALTON LEASE

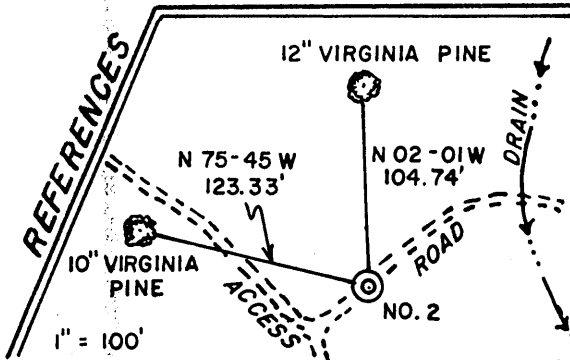
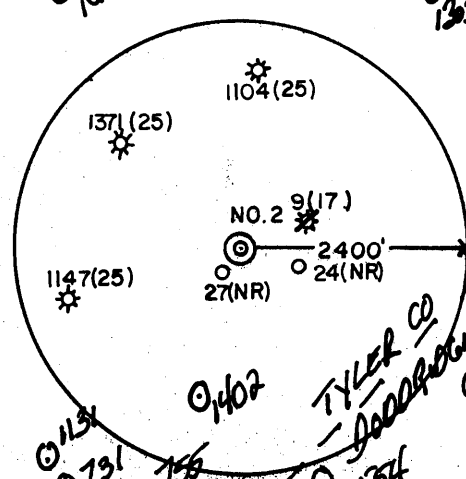
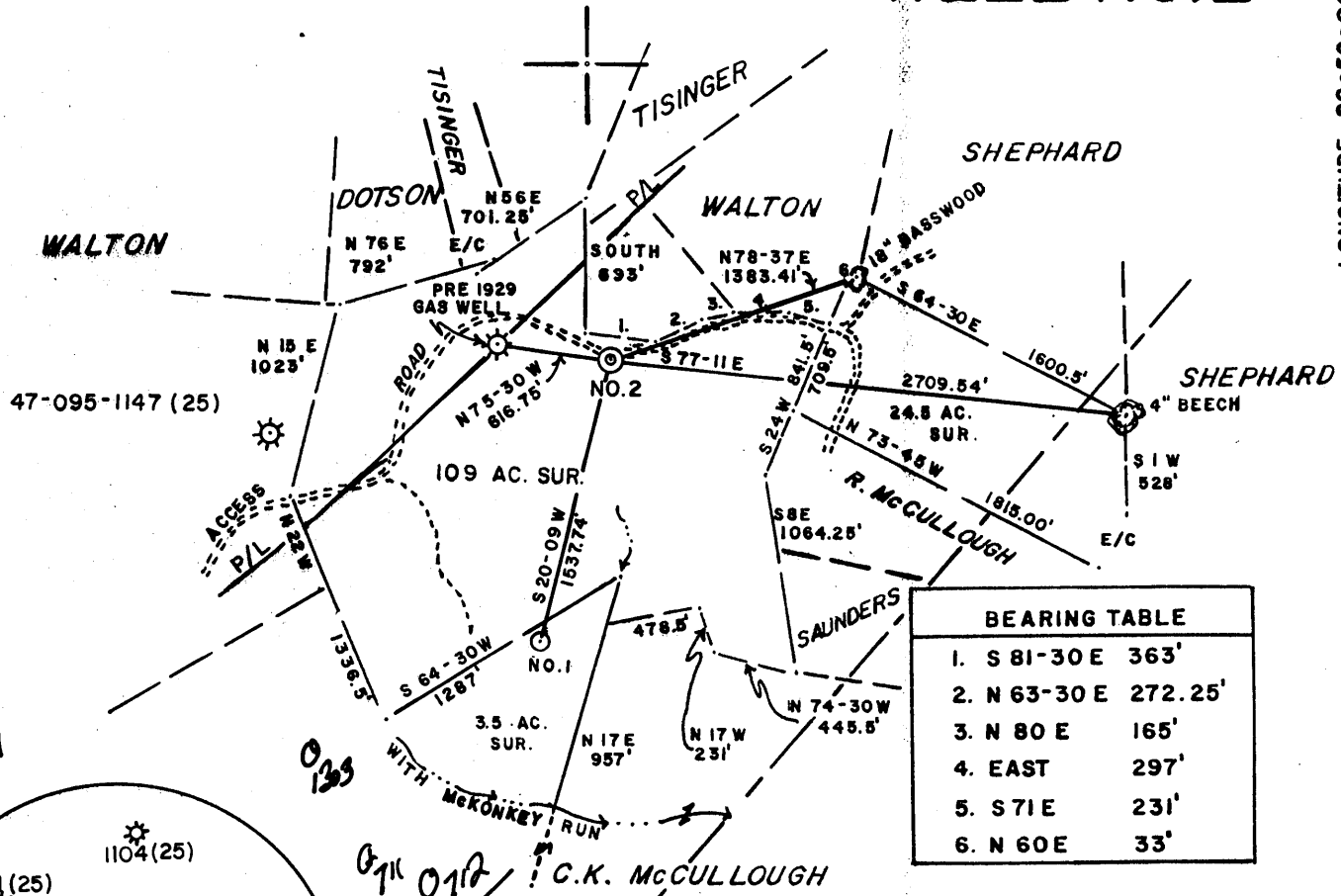
## 137 ACRES ±

0.60 S  
1.55 W

## WELL NO. 2

LONGITUDE 80-50-00

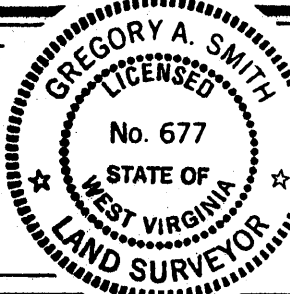
NORTH



15' loc  
0.60 S  
1.55 W  
West Union SE

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 MAY 16, 19 90  
 OPERATORS WELL NO. WALTON NO. 2  
WVTYLOO1402  
 API WELL NO. 47 - 095 - 1427  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2318 (32-11)  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. 1165' 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

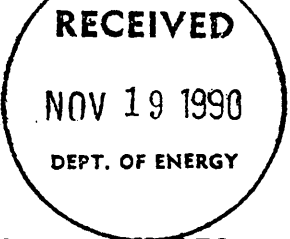
LOCATION: ELEVATION 1085' WATERSHED LONG RUN  
 DISTRICT CENTERVILLE 1 COUNTY TYLER QUADRANGLE WEST UNION 7.5'

SURFACE OWNER DENISE & MARY LOU WALTON ACREAGE 109  
 ROYALTY OWNER EUGENE WALTON et al. LEASE ACREAGE 109 OF 137

PROPOSED WORK: LEASE NO. WVOI944-A  
 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 5400'

WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT JOHN M. PALETTI SEP 10 1990  
 ADDRESS BOX N GLENVILLE, WV 26351 ADDRESS 501. 56th ST. CHARLESTON, WV 25304



State of West Virginia  
DEPARTMENT OF ENERGY  
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: WALTON, EUGENE Operator Well No.: WALTON #2

LOCATION: Elevation: 1085.00 Quadrangle: WEST UNION

District: CENTERVILLE County: TYLER  
Latitude: 3280 Feet South of 39 Deg. 20Min. Sec.  
Longitude 8210 Feet West of 80 Deg. 50 Min. 0 Sec.

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

Agent: DONALD C. SUPCOE

Inspector: GLEN P. ROBINSON  
Permit Issued: 09/04/90  
Well work Commenced: 10/17/90  
Well work Completed: 11/03/90

Verbal Plugging  
Permission granted on:  
Rotary x Cable \_\_\_\_\_ Rig  
Total Depth (feet) 5511'  
Fresh water depths (ft) 570'

Salt water depths (ft) 1520'

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"	118'	118'	C.T.S.
8-5/8"	1225.40'	1225.40'	C.T.S.
4-1/2"	5360.00'	5360.00'	316
1-1/2"	---	5192.70'	---

OPEN FLOW DATA

Producing formation Alexander, Benson, Riley Pay zone depth (ft) 5252.5'-4540.5'  
Gas: Initial open flow 782 MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow 521 MCF/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests 15 Hours  
Static rock Pressure 910 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: Rich Heffelfinger  
EASTERN AMERICAN ENERGY CORP.  
Rich Heffelfinger  
By: \_\_\_\_\_ Vice President - Regional Operations  
Date: November 8, 1990

NOV 21 1990

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

3-STAGE FOAM FRAC:

Stage 1: Alexander - 13 holes (5252.5'-5237.5') Breakdown 1890 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 70,000 lbs 20/40 sand, 500 gals 15% HCl, 575,300 scf of N<sub>2</sub>

Stage 2: Benson - 10 holes (4948'-4994.5') Breakdown 3330 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 5,000 lbs 80/100 sand, 60,000 lbs 20/40 sand, 500 gals 15% HCl, 688,700 scf of N<sub>2</sub>

Stage 3: Riley - 13 holes (4579'-4540.5') Breakdown 1250 psi, 65 Quality foam, 20 lbs/1000 gals Gel, 5,000 lbs 80/100 sand, 60,000 lbs 20/40 sand, 500 gals 15% HCl, 732,200 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
Red Rock and Shale			0	30	Hole Damp @ 570'
Sand			30	195	Hole Damp @ 1520'
Sandy Shale			195	570	
Sand			570	650	
Sandy Shale and Red Rock			650	940	
Sand			940	950	
Sandy Shale			950	1230	1910' - No show
Sand			1230	1238	1941' - No show
Sandy Shale			1238	1735	2065' - No show
Sand			1735	1840	2157' - No show
Sandy Shale			1840	1900	2496' - No show
Little Lime			1900	1910	2894' - No show
Sandy Shale			1910	1940	3359' - No show
Big Lime			1940	1998	3515' - 8/10 thru 1" w/water
Big Injun			1998	2110	4037' - 22/10 thru 1" w/water
Shale			2110	2276	4497' - 16/10 thru 1" w/water
Weir			2276	2398	4712' - 26/10 thru 1" w/water
Shale			2398	2468	4898' - 20/10 thru 1" w/water
Berea			2468	2471	5113' - 22/10 thru 1" w/water
Sandy Shale and Shale			2471	3386	5328' - 30/10 thru 1" w/water
Warren			3386	3432	T.D. - 20/10 thru 1" w/water
Shale and Sandy Shale			3432	4534	D.C. - 12/10 thru 1" w/water
Riley			4534	4582	
Shale			4582	4944	
Benson			4944	4950	
Shale			4950	5212	
Alexander			5212	5264	
Shale and Sandy Shale			5264	5511 T.D.	

(Attach separate sheets as necessary)

47-095-1427

Issued 9/4/90  
Expires 9/4/92

FORM WW-2B

Page 3 of .....

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

- 1) Well Operator: <sup>259</sup> Eastern American Energy Corporation 14980 (1) 670
- 2) Operator's Well Number: WALTON #2 WVIYL001402 3) Elevation: 1085'
- 4) Well type: (a) Oil  / or Gas  /  
(b) If Gas: Production  / Underground Storage  /  
Deep  / Shallow  /
- 5) Proposed Target Formation(s): Alexander <sup>439</sup>
- 6) Proposed Total Depth: 5400 feet
- 7) Approximate fresh water strata depths: 38', 490', 592'
- 8) Approximate salt water depths: 1517', 1605'
- 9) Approximate coal seam depths: 444'-447', 697'-701'
- 10) Does land contain coal seams tributary to active mine? Yes  / No  /
- 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	
Conductor	11"	F-25	37.5	30'	-----	
Fresh Water	8 5/8"	J-55	20.0	1210'	1210'	C.T.S. 38CSR18-11.3
Coal						38CSR18-11.2 2
Intermediate						
Production	4 1/2"	J-55	10.5	5325'	5325'	38CSR18-11.1
Tubing	1 1/2"	H-40	2.75			
Liners						

PACKERS : Kind \_\_\_\_\_  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_

For Division of Oil and Gas Use Only

14010  
124

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

1) Date: August 23, 1990  
2) Operator's well number  
Walton #2 - WVTYL001402  
3) API Well No: 47 - 095 - 1427  
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 Eugene Walton  
Address Rt. 1, Box 391  
Clarksburg, WV 26301  
(b) Name Mary Lou Walton  
Address Rt. 1, Box 391  
Clarksburg, WV 26301  
(c) Name Denise Walton  
Address Rt. 1, Box 391  
Clarksburg, WV 26301

5) (a) Coal Operator:  
Name None  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name None  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_

6) Inspector Glen P. Robinson  
Address Rt. 1, #6 Mt. Pleasant Est.  
Mineralwells, WV 26150  
Telephone (304)- 489-2736

(c) Coal Lessee with Declaration  
Name None  
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 10 on the above named parties, by:

- \_\_\_\_\_ Personal Service (Affidavit attached)
- \_\_\_\_\_ Certified Mail (Postmarked postal receipt attached) Hand Del. Sur. Ov
- \_\_\_\_\_ Publication (Notice of Publication attached) Pkts. and Insp. P

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

Subscribed and sworn before me this 23rd day of August, 1990

Jo L. Rainey Notary Public  
My commission expires July 2, 1996