

Janie 11/25/89

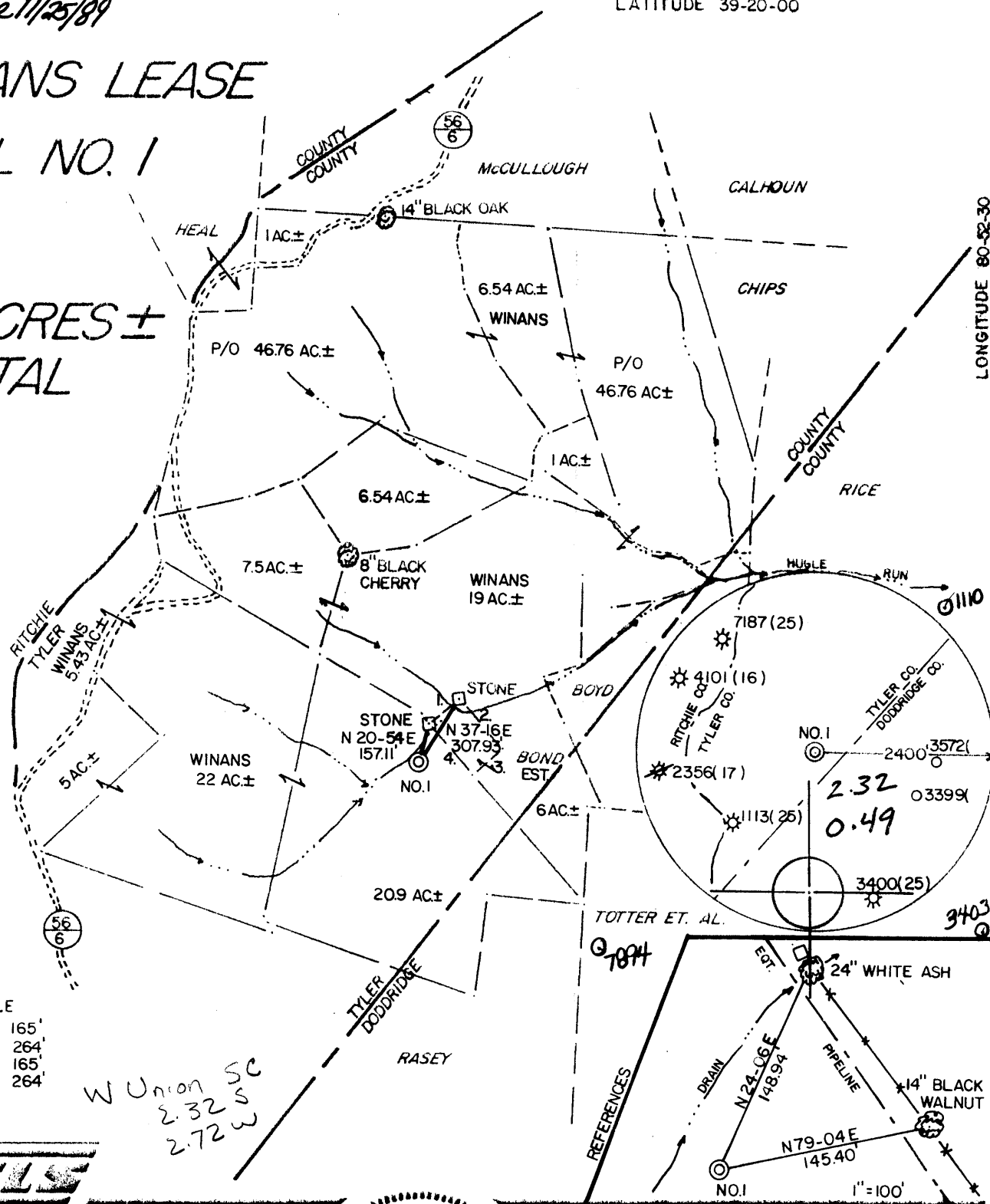
LATITUDE 39-20-00

WINANS LEASE WELL NO. 1

143 ACRES ± TOTAL

NORTH

LONGITUDE 80-52-30



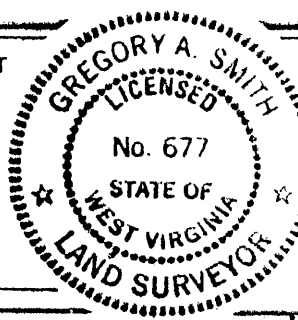
LINE TABLE

1. N 47-40 E	165'
2. S 42-20 E	264'
3. S 47-40 W	165'
4. N 42-20 W	264'

W Union SC
2.32 S
2.72 W

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 NOVEMBER 3, 19 89
 OPERATORS WELL NO. WINANS NO. 1
WVTYL001201
 API WELL NO. 47 - 095 - 1356
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2177(30-28)
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1310' SCALE 1"=600'

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 980' WATERSHED HUGLE RUN
 DISTRICT CENTERVILLE COUNTY TYLER QUADRANGLE PENNSBORO 75'

SURFACE OWNER WARREN C. WINANS ET. UX. ACREAGE 209 OF 143
 ROYALTY OWNER WARREN C. AND MARCELENE WINANS ET. AL. LEASE ACREAGE 209 OF 143

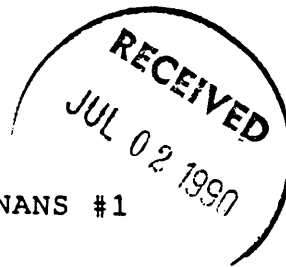
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION ALEXANDER
 ESTIMATED DEPTH 5290'

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

259
6-6 Stanley (090)

DEC 08 1989



Well Operator's Report of Well Work

Farm name: WINANS, WARREN/MARCELENE Operator Well No.: WINANS #1

LOCATION: Elevation: 980.00 Quadrangle: PENNSBORO

District: CENTERVILLE County: TYLER
Latitude: 12370 Feet South of 39 Deg. 20Min. 0 Sec.
Longitude 2590 Feet West of 80 Deg. 52 Min. 30 Sec.

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

Agent: DONALD C. SUPCOE

Inspector: GLEN P. ROBINSON
Permit Issued: 12/04/89
Well work Commenced: 02/23/90
Well work Completed: 04/18/90
Verbal Plugging _____
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5390'
Fresh water depths (ft) 52', 840'

Salt water depths (ft) 1082', 1410'

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"	115'	115'	C.T.S.
8-5/8"	1280'	1280'	C.T.S.
4-1/2"	4545.90'	4545.90'	813

OPEN FLOW DATA

Producing formation Riley Pay zone depth (ft) 4461.5'-443
Gas: Initial open flow 179 MCF/d Oil: Initial open flow N/A Bbl/c
Final open flow 130 MCF/d Final open flow N/A Bbl/c
Time of open flow between initial and final tests 15 Hours
Static rock Pressure 900 psig (surface pressure) after 24 Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/c
Final open flow _____ MCF/d Final open flow _____ Bbl/c
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: June 26, 1990

JUL 6 1990

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

SINGLE STAGE FOAM FRAC

Riley - 13 holes (4461.5'-4434') Breakdown 1900 psi, 70 Quality foam, 30 lbs/1000 gals Gel, 42,000 lbs 20/40 sand, 303,504 scf of N₂

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fres and salt water, coal, oil and ga
Soil			0	15	Damp hole @ 52'
Red Rock			15	30	Damp hole @ 840'
Sandy shale			30	50	Soap hole @ 1082'
Sand			50	55	1410' - 1" water Soap Hole
Red Rock and Shale			55	95	
Sand			95	110	
Sandy Shale			110	145	<u>GAS CHECKS</u>
Sand and Shale			145	220	1914' - No show
Red Rock & Shale			220	250	1945' - 12/10 thru 7" w/water
Sand and Sandy Shale			250	1802	2068' - 10/10 thru 7" w/water
Little Lime			1802	1820	2313' - 10/10 thru 7" w/water
Shale			1820	1846	2801' - 6/10 thru 7" w/water
Big Lime			1846	1898	3172' - 6/10 thru 7" w/water
Sand & Shale			1898	1982	3419' - 4/10 thru 7" w/water
Shale			1982	2177	4005' - 4/10 thru 7" w/water
Wier			2177	2297	4345' - 4/10 thru 7" w/water
Shale			2297	2359	4498' - 4/10 thru 7" w/water
Berea			2359	2365	4741' - 4/10 thru 7" w/water
Shale w/Trace Sand			2365	3255	4924' - 2/10 thru 7" w/water
Warren			3258	3330	5073' - 2/10 thru 7" w/water
Shale			3330	4403	5202' - 40/10 to 70/10 thru 2" w/
Riley			4403	4480	D.C. - 100/10 thru 2" w/water
Shale w/Some Sand			4480	4814	
Benson			4814	4863	
Shale w/Trace Sand			4863	5075	
Alexander			5075	5165	
Shale w/Trace Sand			5165	5390 T.D.	

(Attach separate sheets as necessary)

178

095-1356

Issued 12/04/89

Expires 12/04/91

FORM WW-2B

Page 3 of 8

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

- 1) Well Operator: Eastern American Energy Corporation ²⁵⁹ 4980 (11 538)
- 2) Operator's Well Number: Winans #1 - WVTYL001201 3) Elevation: 980'
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Alexander 439
- 6) Proposed Total Depth: 5290 feet
- 7) Approximate fresh water strata depths: OK 468', 516'
- 8) Approximate salt water depths: ~~XXXXX~~ OK 1200'
- 9) Approximate coal seam depths: OK None
- 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	Fill-up (cu. ft.)
Conductor	11"	F-25	37.5	120'	120'	
Fresh Water	8 5/8"	J-55	20.0	1250'	1250'	C.T.S. 38CSR18-11.3
Coal						38CSR18-11.2 2
Intermediate						
Production	4 1/2"	J-55	10.5	5200'	5200'	38CSR18-11.1
Tubing	1 1/2"	H-40	2.75			
Liners						

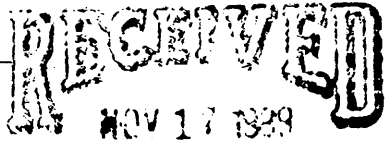
PACKERS : Kind _____
 Sizes _____
 Depths set _____

RECEIVED
 NOV 17 1989

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

4499
 39 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Blanket One Agent



1) Date: November 8, 1989
2) Operator's well number
Winans #1 - WVTYL001201
3) API Well No: 47 - 095 - 1356
State - County - Permit

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
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 Warren C. & Marcelene Winans
Address Rt. 5, Box 120
Parkersburg, WV 26101
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name None
Address _____
 - (b) Coal Owner(s) with Declaration
Name _____
Address _____
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector Glen P. Robinson
Address Rt. 1, #6 Mt. Pleasant Est.
Mineralwells, WV 26150
Telephone (304)- 489-9162

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 13th day of November, 1989

John M. Paletti Notary Public
My commission expires July 2, 1996