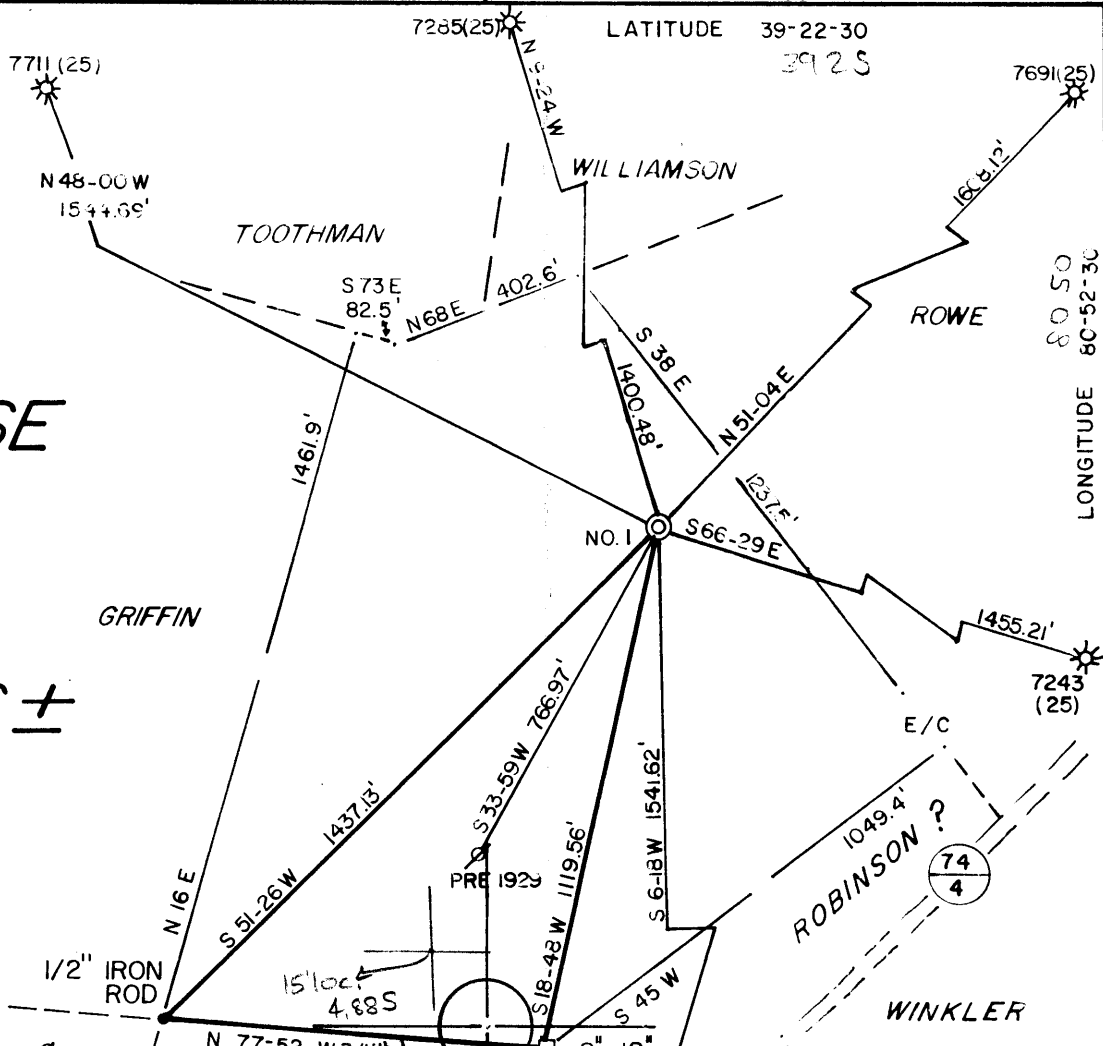
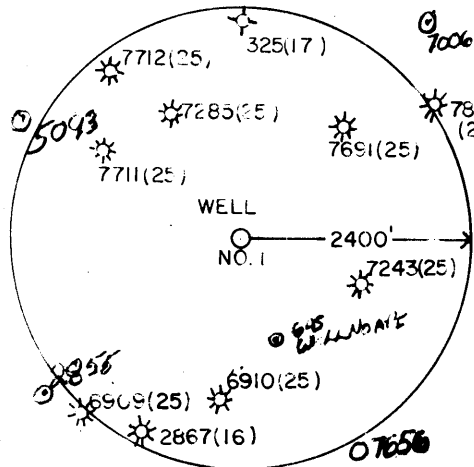


Janie 11/27/89



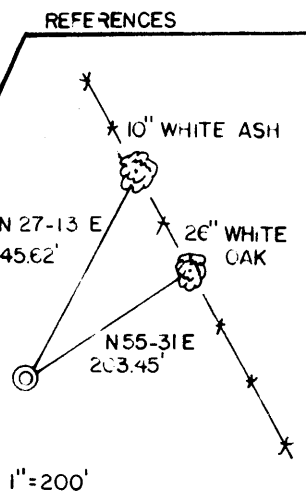
VALENTINE LEASE

36 ACRES ±



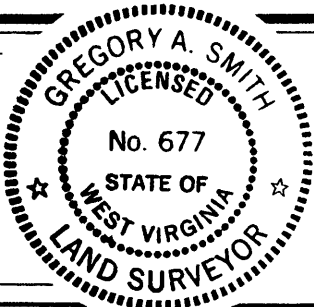
WELL NO. 1

*W. Union C
4.885
3.44W*



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 OCTOBER 27, 19 89
 OPERATORS WELL NO. VALENTINE NO. 1
 WVRIT004301
 API WELL NO. 47-085-7906
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2170 (30-24)
 PROVEN SOURCE OF ELEVATION U.S.G.S. STATION (BEARD) SCALE 1" = 400'
 ELEVATION: 1351'

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 1100' WATERSHED MARSH RUN DISTRICT CLAY COUNTY RITCHIE QUADRANGLE PENNSBORO 7.5'

SURFACE OWNER ROY ROBINSON JR. ET AL. ACREAGE 36
 ROYALTY OWNER CLIFTON VALENTINE ET AL. LEASE ACREAGE 36

PROPOSED WORK: LEASE NO. WVO1912 - 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 5385'

WELL OPERATOR EASTERN AMERICAN ENERGY CORP. DESIGNATED AGENT JOHN M. PALLETTI
 ADDRESS BOX N GLENVILLE, W.V. 26351 ADDRESS 501 56th ST. CHARLESTON, W.V. 25304

0259

DEC 11 1989

DEC 28 1989

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

DIVISION OF OIL AND GAS Well Operator's Report of Well Work
DEPARTMENT OF ENERGY

Farm name: ROBINSON, ROY & ELSIE Operator Well No.: KEY/VALENTINE#1

LOCATION: Elevation: 1100.00 Quadrangle: PENNSBORO

District: CLAY County: RITCHIE
Latitude: 10620 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 6450 Feet West of 80 Deg. 52 Min. 30 Sec.

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

Agent: DONALD C. SUPCOE

Inspector: SAMUEL HERSMAN
Permit Issued: 11/28/89
Well work Commenced: 12/05/89
Well work Completed: 12/20/89
Verbal Plugging
Permission granted on: _____
Rotary x Cable _____ Rig
Total Depth (feet) 5479'
Fresh water depths (ft) 85', 1211'
Salt water depths (ft) 1560'

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"	270'	270'	C.T.S.
8-5/8"	1259.55'	1259.55'	C.T.S.
4-1/2"	5319.50'	5319.50'	310
1-1/2"	---	5250.90'	---

OPEN FLOW DATA

(Commingled)

Producing formation Alexander, Benson, Riley Pay zone depth (ft) 5283'-4595.5'
Gas: Initial open flow 474 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 321 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 15 Hours
Static rock Pressure 1130 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: December 20, 1989

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

3-STAGE FOAM FRAC

- STAGE 1: Alexander - 12 holes (5283'-5272') Breakdown 3300 psi, 60 Quality foam, 30 lbs/1000 gals Gel, 30,000 lbs 20/40 sand, 500 gals 15% HCl and 490,000 scf N₂
- STAGE 2: Benson - 8 holes (4986.5'-4984.5') Breakdown 2800 psi, 60 Quality foam, 20 lbs/1000 gals Gel, 30,000 lbs 20/40 sand, 500 gals 15% HCl and 495,000 scf N₂
- STAGE 3: Riley - 13 holes (4627'-4595.5') Breakdown 1800 psi, 75 Quality foam, 30 lbs/1000 gals Gel, 30,000 lbs 20/40 sand, 500 gals 15% HCl and 580,000 scf N₂

WELL LOG

LITHOLOGY	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Fill			0	15	Hole Damp @ 85'
Sandy Shale and Red Rock			15	85	Soap Hole @ 86'
Sandy Shale and Sand			85	1030	Soap Hole @ 1211'
Shale and Red Rock			1030	1130	1-1/2" Water @ 1560'
Sand and Sandy Shale			1130	1917	
Little Lime			1917	1926	
Sand and Shale			1926	1950	<u>GAS CHECKS:</u>
Big Lime			1950	2004	1912' - No show
Sand and Shale			2004	2177	2004' - No show
Shale			2177	2290	2189' - Strong Odor
Siltstone			2290	2342	2456' - No show
Weir			2342	2459	2895' - Strong Odor
Shale w/Tr. Sand			2459	3451	3418' - No show
Warren			3451	3508	3511' - No Reading
Shale w/Tr. Sand			3508	4567	3975' - No show
Riley			4567	4634	4497' - No show
Shale w/Some Sand			4634	4971	4620' - No show
Benson			4971	5006	4866' - No show
Shale w/Tr. Sand			5006	5227	5048' - Odor
Alexander			5227	5302	5170' - No show
Shale			5302	5479 T.D	5295' - 10/10 thru 1" w/water 25 jts. Down - 6/10 thru 1" w/water D.C. - 4/10 thru 1" w/water

RECEIVED
 DEC 28 1990

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

47-685-7406

Issued 11/28/89

Expires 11/28/91

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 14980 (1) 530
- 2) Operator's Well Number: Key/Valentine #1 - WRIT004301 3) Elevation: 1100'
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Alexander
- 6) Proposed Total Depth: 5385 feet
- 7) Approximate fresh water strata depths: 169', 197', 397'
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: 513'
- 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	235'	235'	
Fresh Water	8 5/8"	J-55	20.0	1270'	1270'	C.T.S. 38CSR18-11.3
Coal						38CSR18-11.2 2
Intermediate						
Production	4 1/2"	J-55	10.5	5300'	5300'	38CSR18-11.1
Tubing	1 1/2"	H-40	2.75			
Liners						

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NOV 17 1989

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

DIVISION OF OIL AND GAS
DEPARTMENT OF ENERGY

5622
29

Fee(s) paid: Well Work Permit Reclamation Fund WPCP

RECEIVED
NOV 17 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: November 2, 1989
2) Operator's well number
Key/Valentine #1 - WWRIT004301
3) API Well No: 47 - 085 - 7906
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 Roy F. & Elsie M. Robinson
Address Rt. 2, Box 208
Pennsboro, WV 26415

(b) Name _____
Address _____

(c) Name _____
Address _____

6) Inspector Samuel Hersman
Address Rt. 1, Box 240
Harrisville, WV 26362
Telephone (304) - 628-3185

5) (a) Coal Operator:
Name None
Address _____

(b) Coal Owner(s) with Declaration
Name _____
Address _____

Name _____
Address _____

(c) Coal Lessee with Declaration
Name _____
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)
- X Certified Mail (Postmarked postal receipt attached) Hand Del. Sur. Ow. Pkt.
- _____ 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

My commission expires July 2, 1996 Je. Loraine Rowe Notary Public