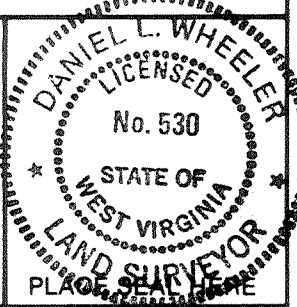


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION WELL API # 3728
ELEV 1313'

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.
 (SIGNED) Daniel L. Wheeler
 R.P.E. _____ L.L.S. 530
DANIEL L. WHEELER



D.L. WHEELER & ASSOCIATES, INC.
 RT. 1, BOX 306
 CHARLESTON, WV 26301
 PH: 304-623-5215

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE NOVEMBER 16, 1989
 OPERATOR'S WELL NO. HAESSLY NO. 1
 API WELL NO. 47-017-3774-F
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1197' WATER SHED SHREED RUN
 DISTRICT SOUTHWEST COUNTY BOONVILLE
 QUADRANGLE OXFORD 7.5' Dolbrook NE

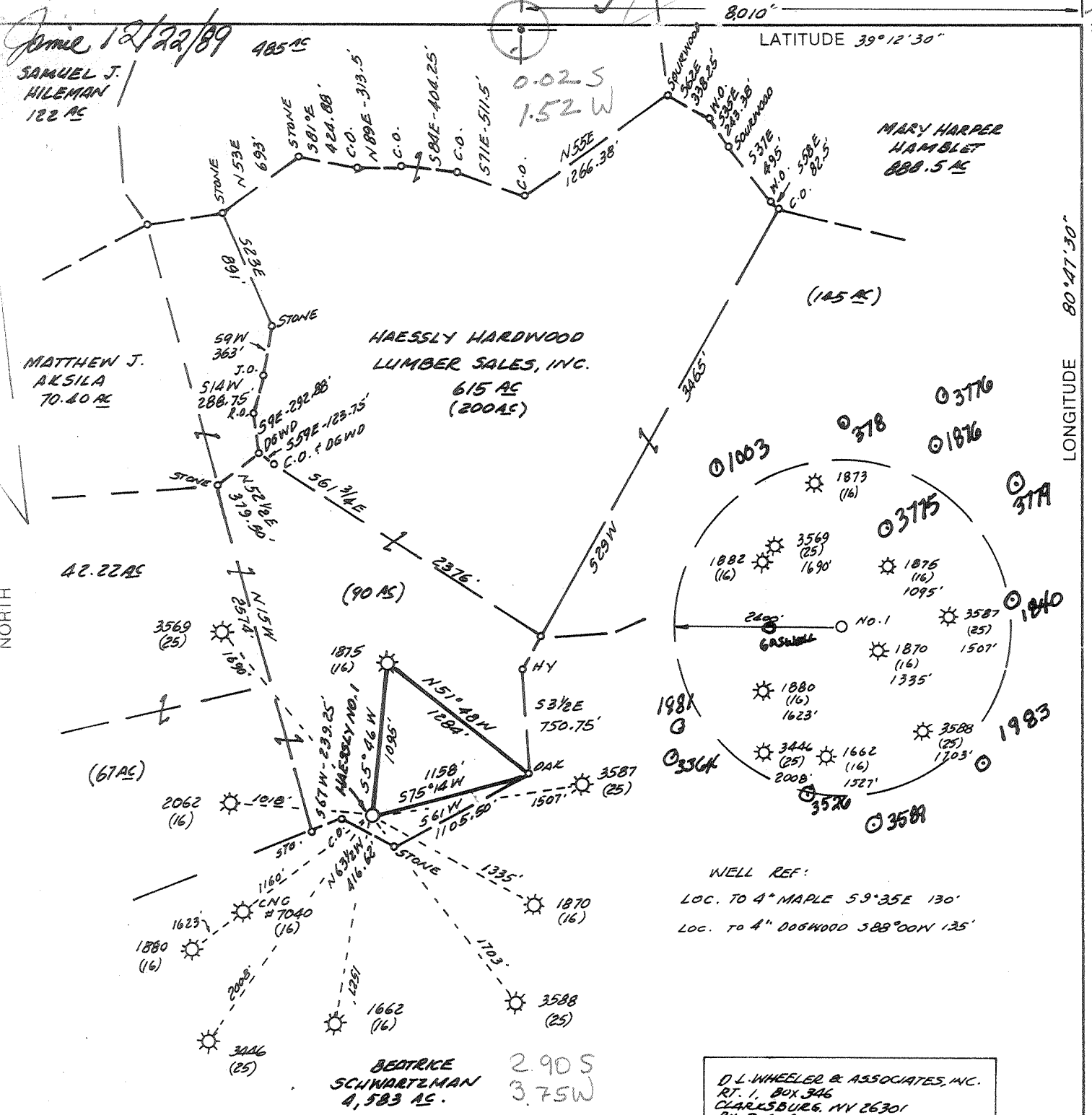
SURFACE OWNER HAESSLY HARDWOOD LUMBER SALES, INC. ACREAGE 615
 OIL & GAS ROYALTY OWNER ELI NUTTER, MRS LEASE ACREAGE 615
 LEASE NO. _____

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR
 STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
 FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5500'
 WELL OPERATOR TERM ENERGY CORP. DESIGNATED AGENT JEAN FRELAND
 ADDRESS 110 N. SPRING STREET ADDRESS 110 N. SPRING STREET
HARRISVILLE, WV 26362 HARRISVILLE, WV 26362

COUNTY NAME BOONVILLE
 PERMIT 3774

JUL 28 1994



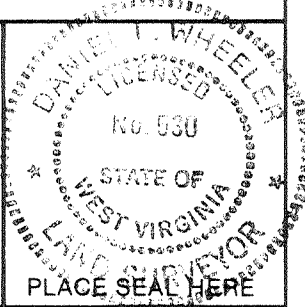
WELL REF:
 LOC. TO 4" MAPLE S9°35'E 130'
 LOC. TO 4" DOGWOOD S88°00'W 135'

D.L. WHEELER & ASSOCIATES, INC.
 RT. 1, BOX 346
 CLARKSBURG, WV 26301
 PH: 304-623-5215

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION WELL ADI # 3728
ELEV 1313'

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.
 (SIGNED) Daniel L. Wheeler
 R.P.E. _____ L.L.S. 530
DANIEL L. WHEELER



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE NOVEMBER 16, 1989
 OPERATOR'S WELL NO. HAESSLY NO. 1
 API WELL NO.

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___ STATE 47 COUNTY 017 PERMIT 3774
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1197' WATER SHED SHEEP RUN
 DISTRICT SOUTHWEST COUNTY ODDORIDGE
 QUADRANGLE OXFORD 7.5' 526 Holbrook NE
 SURFACE OWNER HAESSLY HARDWOOD LUMBER SALES, INC. ACREAGE 615
 OIL & GAS ROYALTY OWNER ELI NUTTER, HBS LEASE ACREAGE 615

LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5500'
 WELL OPERATOR TERM ENERGY CORP. DESIGNATED AGENT JEAN FREEFLAND
 ADDRESS 110 N. SPRING STREET ADDRESS 110 N. SPRING STREET
HARRISVILLE, WV 26362 886 HARRISVILLE, WV 26362

6-6 Straight Fork - Bluestone Creek (133) DEC 29 1989

LONGITUDE 80°47'30" COUNTY NAME PERMIT

RECEIVED
WV Division of
Environmental Protection
Office of Oil & Gas

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

AUG 15 1994 Well Operator's Report of Well Work

Farm name: HAESSLY HARDWOOD LBR Operator Well No.: HAESSLY #1

LOCATION: Elevation: 1,197.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 100 Feet South of 39 Deg. 12Min. 30 Sec.
Longitude 8010 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: TERM ENERGY CORP.
713 EAST MAIN STREET
HARRISVILLE, WV 26362-0000

Agent: JEAN FREELAND

Inspector: MIKE UNDERWOOD
Permit Issued: 07/28/94
Well work Commenced: 7/28/94
Well work Completed: 7/28/94
Verbal Plugging
Permission granted on: _____
Rotary _____ Cable _____ Rig _____
Total Depth (feet) 5347 Actual _____
Fresh water depths (ft) 60' Damp _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
16"	15'	0	0
11 3/4"	25'	0	0
8 5/8"	1306.4'	1306.4'	401.2
4 1/2"	5287.6'	5287.6'	795.5

Salt water depths (ft) N/A

Is coal being mined in area (Y/N)? N
Coal Depths (ft): _____

OPEN FLOW DATA

Producing formation Alexander, Riley, Bradford, Balltown, Speechly, & Warren Pay zone depth (ft) 3301-5196
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 134 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 190 psig (surface pressure) after 24 Hours

Comingled Production
Second producing formation Gordon, Weir Pay zone depth (ft) 2204-2633
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 375 MCF/d Final open flow Show Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 440 psig (surface pressure) after 24 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: Jean Freeland
TERM ENERGY CORP.

By: Designated Agent
Date: August 12, 1994

AUG 26 1994

HAESSLY #1

07-28-94

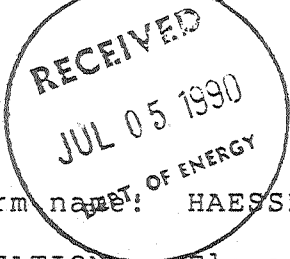
PERFORATED: GORDON: 2607 - 2633; 8 HOLES .39
WEIR: 2204 - 2302; 18 HOLES .39

SET WIDE MOUTH PLUG AT 2645'

ONE STAGE ENERGIZE WATER FRAC

- GORDON & WEIR: MAX TR PRESS 3360; AVG RATE 31; AVG PRESS 3180;
33,700# 20/40; MAX CONC 4; TOTAL ACID 750 GAL; ISIP
1800; 10 MIN SIP 1400; TOTAL NITROGEN 90,000 SCF;
TOTAL FLUIDS 709 BBLs.

ELH61



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

Well Operator's Report of Well Work

Farm name: HAESSLY HARWOOD LUMBER Operator Well No.: HAESSLY #1

LOCATION: Elevation: 1197.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE
Latitude: 100 Feet South of 39 Deg. 12Min. 30 Sec.
Longitude 8010 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: TERM ENERGY CORP.
110 N. SPRING ST.
HARRISVILLE, WV 26362-0000

Agent: JEAN FREELAND

Inspector: MIKE UNDERWOOD
Permit Issued: 12/26/89
Well work Commenced: 12/29/89
Well work Completed: 6/25/90
Verbal Plugging _____
Permission granted on: _____
Rotary X Cable _____ Rig _____
Total Depth (feet) 5347
Fresh water depths (ft) 60' Damp

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N
Coal Depths (ft): _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
16"	15'	0	0
11 3/4"	25'	0	0
8 5/8"	1306.4'	1306.4	401.2'
4 1/2"	5287.6'	5287.6'	795.5'

OPEN FLOW DATA

Producing formation Alexander Pay zone depth (ft) 5146-5196
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 400 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 1240 psig (surface pressure) after 63 Hours

COMINGLED PRODUCTION

Second producing formation see back for zones Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 630 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 1080 psig (surface pressure) after 24 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: TERM ENERGY CORP.

By: Jean Freeland JUL 6 1990
Date: 6/25/90

03/27/90 Perforated: Alexander 5152-5196; 17 holes, .39

03/28/90 Single Stage Energized Water Frac

Alexander: Max TR Press 3250; Average Rate 25.4; Average Pressure 2863; 60,000# 20/40; 10,000# 80/100; Max. Conc. 4; Total Acid 500 Gal.; Total Nitrogen 166,000 SCF; Total Fluid 770 Bbls; ISIP 1300; 5 Min SIP 1093; 10 Min SIP 1054.

<u>WELL LOG</u>	<u>TOP</u>	<u>BOTTOM</u>	
Sand, Shale & RR	0	1852	DAMP AT 60'
Little Lime	1852	1866	
Shale	1862	1891	
Big Lime	1891	1953	
Injun	1953	2036	
Sand & Shale	2036	5347	

<u>GEOPHYSICAL LOG</u>	<u>TOP</u>	<u>BOTTOM</u>
Big Lime	1895	1956
Big Injun	1956	2036
Weir	2196	2318
Berea	2394	2399
Gordon Group	2618	2778
Warren	3260	3316
Speechly	3331	3892
Balltown	4202	4369
Bradford	4424	4505
Riley	4687	4816
Benson	4878	4885
Leopold	5008	5088
Alexander	5127	5216

6/25/90 PERFORATED RILEY: 4688 - 4715; 5 HOLES .39
BRADFORD 4467 - 4479; 6 HOLES .39
MIDDLE BALLTOWN 4219 - 4250; 6 HOLES .39
UPPER SPEECHLY 3421 - 3425; 5 HOLES .39
WARREN 3301 - 3340; 11 HOLES .39

2 STAGE WATER FRAC

- RILEY & BALLTOWN: MAX TR PRESS 2583; AVG RATE 33.6; AVG PRESS 2391; 40,000# 20/40; 10,000# 80/100, MAX CONC 4, TOTAL ACID 500 GAL; TOTAL FLUID 554 BBLs; ISIP 1421; 5 MIN SIP 889
- WARREN & SPEECHLY: MAX TR PRESS 2899; AVG RATE 33.5; AVG PRESS 2271; 32,000# 20/40; 10,000# 80/100; MAX CONC 4; TOTAL ACID 500 GAL; TOTAL FLUIDS 438 BBLs; ISIP 1280; 5 MIN SIP 893

10002

17-3774
 Issued 12/27/89
 Page of
 Expires 12/27/91

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

- 1) Well Operator: ⁸⁸⁶ TERM Energy Corporation 49105 (7) 525
- 2) Operator's Well Number: Haessly #1 3) Elevation: 1197
- 4) Well type: (a) Oil ___ / or Gas x /
 (b) If Gas: Production x / Underground Storage ___ /
 Deep ___ / Shallow x /
- 5) Proposed Target Formation(s): Alexander 439
- 6) Proposed Total Depth: 5500 feet
- 7) Approximate fresh water strata depths: 80' 310' 256' 121' 342'
- 8) Approximate salt water depths: 0 1335'
- 9) Approximate coal seam depths: 0
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No x /
- 11) Proposed Well Work: Drill and Stimulate 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	16" 11 3/4"	J-55 J-55	75# 42#	15" 22'	0 0	0 0
Fresh Water	8 5/8"	J-55	20#	1297'	1285'	0
Coal						
Intermediate						
Production	4 1/2"	J-55	11.6# 10.5#	84 5193	84 5193	250
Tubing						
Liners						

Handwritten notes:
 O.K. 11/18
 380SP18-11.3
 380SP18-11.22
 380SP18-11.1

RECEIVED
 DEC 20 1989

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

Fee(s) paid: 1 Well Work Permit 1 Reclamation Fund 1 WPCP
1 Plat 1 WW-9 1 WW-2B 1 Bond L. Blanket Agent
 (Type)

RECEIVED
DEC 20 1989

DIVISION OF OIL & GAS 3)
DEPARTMENT OF ENERGY

Date: December 14, 1989
Operator's well number _____
Haessly #1 _____
API Well No: 47 - 017 - 3774
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 Haessly Hardwood Lumber Sales Name N/A
Address R.D. #1 Address _____
Marietta, OH
- (b) Name _____ (b) Coal Owner(s) with Declaration
Address _____ Name N/A
Address _____
- (c) Name _____ Name _____
Address _____ Address _____
- 6) Inspector Mike Underwood (c) Coal Lessee with Declaration
Address Rt. 2 Box 135 Name N/A
Salem, WV 26426 Address _____
Telephone (304)- 782-1043

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

_____ 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 _____ on the above named parties, by:

- _____ Personal Service (Affidavit attached)
_____ 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 TERM Energy Corporation
By: [Signature]
Its: -Agent
Address 110 North Spring Street
Harrisville, WV 26362
Telephone 304 643-4500

Subscribed and sworn before me this 14 day of December, 19 89

My commission expires 4/13/95 Notary Public

017-3774 - Frac.
Issued 07/28/94

FORM WW-2B

11 1 2 94

Page ___ of ___

Expires 07/28/96

Permitting Office of ~~Oil & Gas~~ STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

WELL WORK PERMIT APPLICATION

Well Operator: 886 Term Energy Corporation 49105 (7) 526

Operator's Well Number: Haessly #1 47-17-03774F 3) Elevation: 1197'

Well type: (a) Oil ___ / or Gas XX
(b) If Gas: Production XX / Underground Storage ___ /
Deep ___ / Shallow XX /

- 5) Proposed Target Formation(s): Weir 389
- 6) Proposed Total Depth: 5287.6 Actual feet
- 7) Approximate fresh water strata depths: 60'
- 8) Approximate salt water depths: N/A
- 9) Approximate coal seam depths: _____
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No X /
- 11) Proposed Well Work: Set Small mouth plug at 2350'. Frac Weir. Remove plug and Comingle with lower.

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling		Left in well
Conductor	16 "	J-55	75#	15'	0	0
	11 3/4"	J-55	42#	25'	0	0
Fresh Water	8 5/8"	J-55	20#	1306.4'	1306.4'	401.2'
Coal						
Intermediate						
Production	4 1/2"	J-55	11.6#	84'	84'	795.5
		J-55	10.5#	5203.6"	5203.6'	
Tubing						
Liners						

Existing from Well Records

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

351 / 24

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

28

1) Date: July 7, 1994
2) Operator's well number
Haessly #1
3) API Well No: 47 - 17 - 03774F
State - County - Permit



STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
- (a) Name Haessly Hardwood Lumber Sales
Address Rt. 1 Newport Pike
Marietta, OH 45750
- (b) Name _____
Address _____
- (c) Name _____
Address _____
- 5) (a) Coal Operator:
- Name _____
Address _____
- (b) Coal Owner(s) with Declaration
Name _____
Address _____
- (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector Mike Underwood
Address Rt. 2 Box 135
Salem, WV 26426
Telephone (304)-782-1043

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

_____ Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

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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 Term Energy Corporation
 BY: Jean Freeland Jean Freeland
 Its: Designated Agent
 Address 713 E. Main St.
Harrisville, WV 26362
 Telephone (304) 643-4500

Subscribed and sworn before me this 8th day of July

Judith Israel
My commission expires Sept. 15, 2003

