

Jamie 10/24/89
BASIL "LEASE"

*2.15^s
1.10^w*

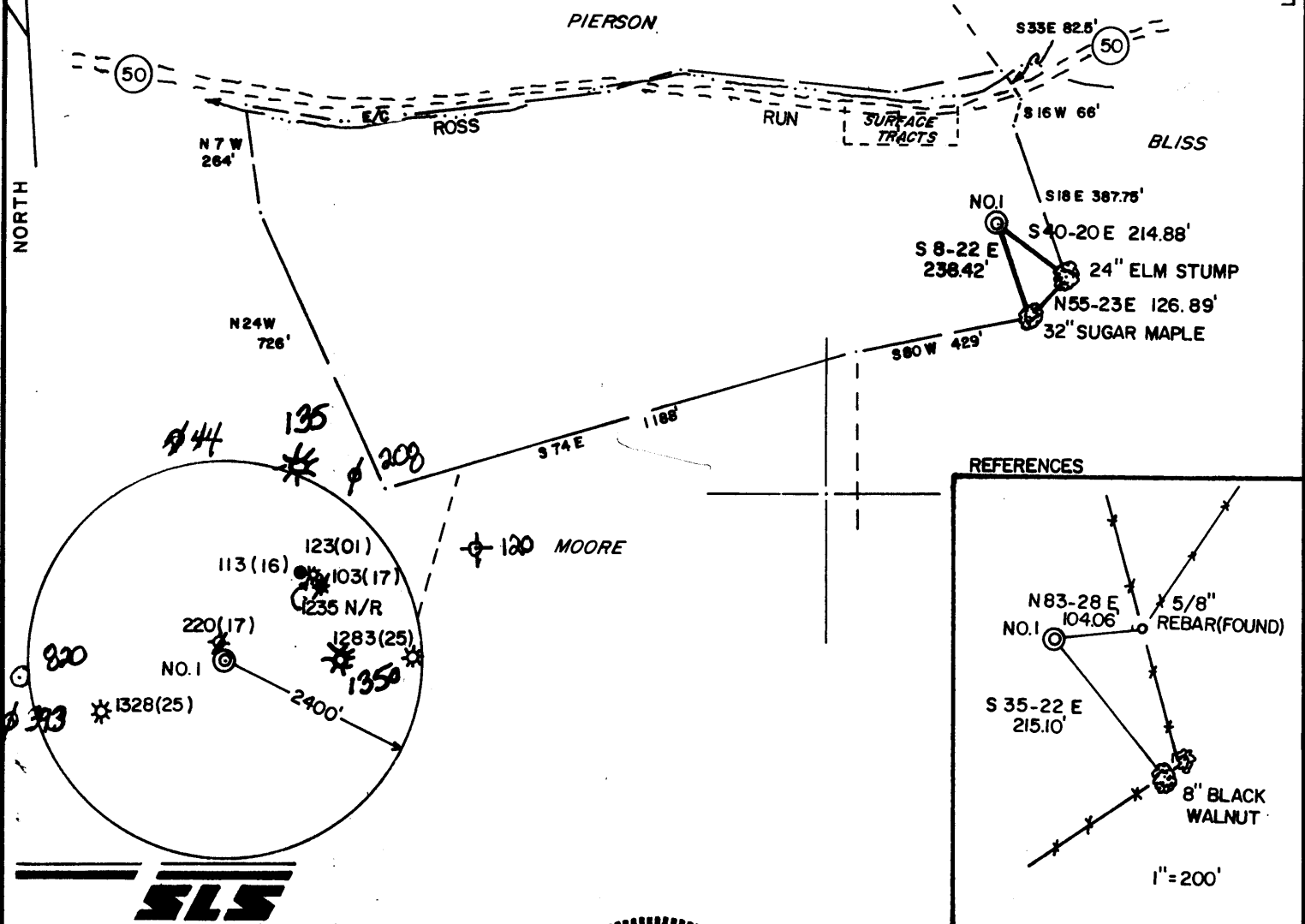
WELL NO. 1

30.75 ACRES ±

00-05-08 EAD11GN07

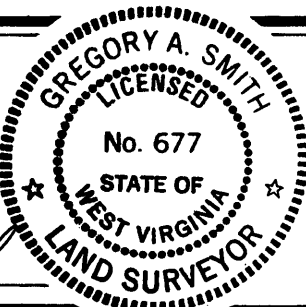
00311

NORTH



SLS

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.



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

DATE OCTOBER 13, 19 89

OPERATORS WELL NO. BASIL NO. 1

API WELL NO. 47-095-1335
STATE COUNTY PERMIT

L.L.S. Gregory A. Smith
677

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2168(30-23)
PROVEN SOURCE OF ELEVATION BENCH MARK ELEV. 732' SCALE 1"=400'

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 877' WATERSHED ROSS RUN

DISTRICT CENTERVILLE COUNTY TYLER QUADRANGLE SHIRLEY 75'

SURFACE OWNER MARC A. MASSULLO ET UX. ACREAGE 30.75

ROYALTY OWNER F. WILLIAM BASIL ET UX. LEASE ACREAGE 30.75 OF 31.75

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) Square 40' x 40' Casing in Well Coming with Basin TARGET FORMATION BENSON-RILEY

ESTIMATED DEPTH 5100'

Trek, Inc.
P.O. Box 5087
Vienna, wva. 26105-5087

DESIGNATED AGENT ADDRESS

Edward B. Kime
Same Address
PH: 304-295-8785

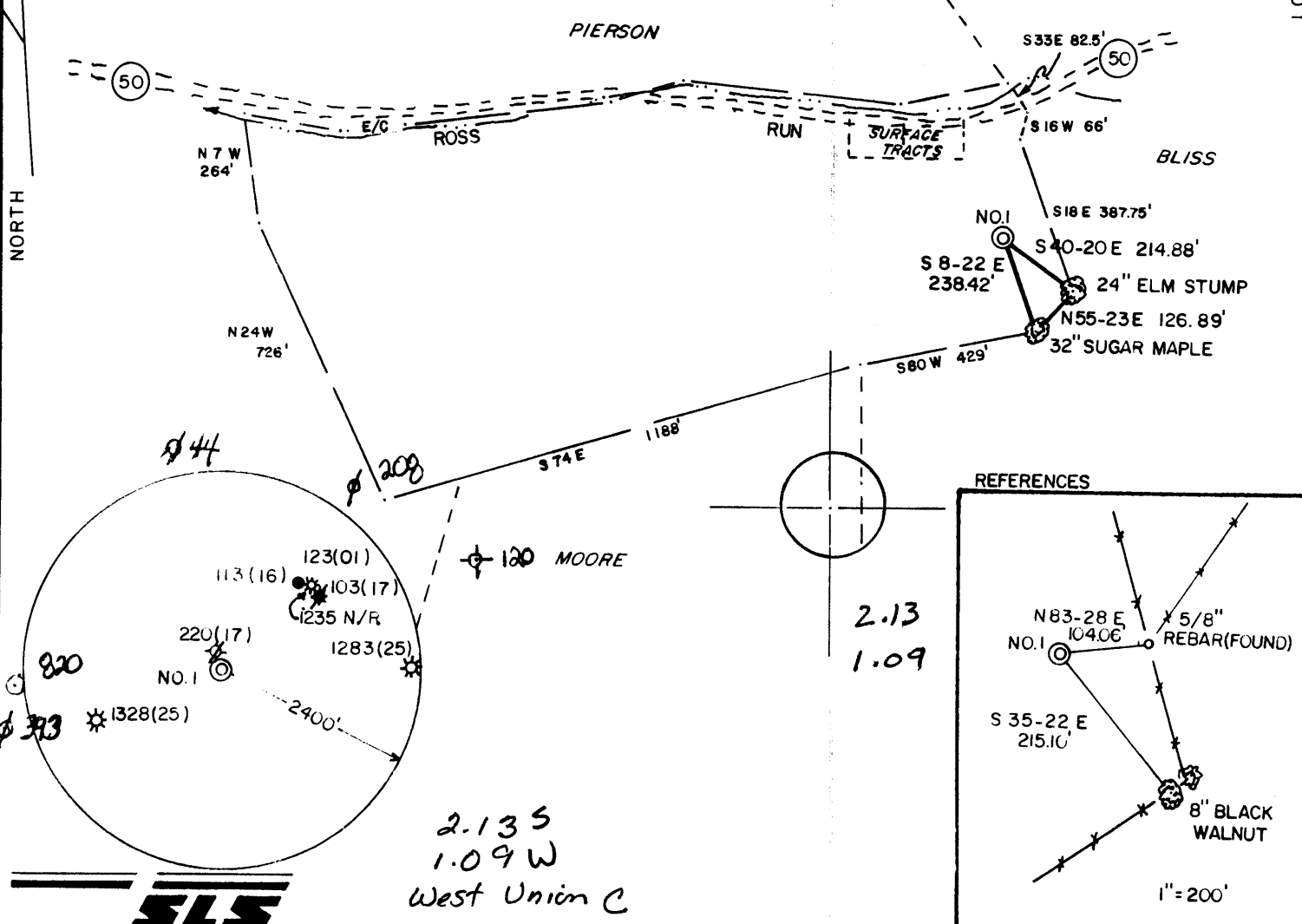
COUNTY NAME **TYLER**
PERMIT **1335**

575

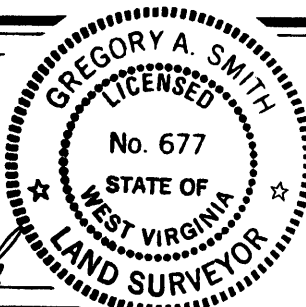
Janie 10/24/89 BASIL LEASE

WELL NO. 1

30.75 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 OCTOBER 13, 19 89
 OPERATORS WELL NO. BASIL NO. 1
 API WELL NO. 47 - 095 - 1335
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2168(30-23)
 PROVEN SOURCE OF ELEVATION BENCH MARK ELEV. 732' SCALE 1" = 400'

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ "GAS" PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 877' WATERSHED ROSS RUN West Union C
 DISTRICT CENTERVILLE COUNTY TYLER QUADRANGLE SHIRLEY 75'
 SURFACE OWNER MARC A. MASSULLO ET. UX. ACREAGE 30.75
 ROYALTY OWNER F. WILLIAM BASIL ET. UX. LEASE ACREAGE 30.75 OF 31.75
 PROPOSED WORK: LEASE NO. _____
 DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ OTHER
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION BENSON-RILEY
 ESTIMATED DEPTH 5100'

WELL OPERATOR D.A.C. DESIGNATED AGENT KENNY MASON
 ADDRESS PO BOX 99 ALMA, WV 26320 ADDRESS PO BOX 99 ALMA WV 26320

280
 6-6 Wilbur (092)

00-00-08 EDITION 1987
 COUNTY NAME
 PERMIT

095 1335 F

WR-35

API # 47-

17-Sep-96
Office of Oil and Gas
MAR 12 1998
WV Division of Environmental Protection

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

Well Operator's Report of Well Work

Farm name: MASSULLO, MARC Operator Well No.: BASIL 1

LOCATION: Elevation: 877.00 Quadrangle: SHIRLEY

District: CENTERVILLE County: TYLER
Latitude: 11300 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 5820 Feet West of 80 Deg. 50 Min. 0 Sec.

Company: TREK, INC.
P. O. BOX 5087
VIENNA, WV 26105-5087

Agent: CANDACE D. McCLOSKEY

Inspector: MIKE UNDERWOOD
Permit Issued: 09/17/96
Well work Commenced: 09/19/96
Well work Completed: 09/24/96
Verbal Plugging
Permission granted on: _____
Rotary _____ Cable _____ Rig
Total Depth (feet) _____
Fresh water depths (ft) _____
Salt water depths (ft) _____
Is coal being mined in area (Y/N)? _____
Coal Depths (ft): _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.

OPEN FLOW DATA

Producing formation Gordon, Gorday Stray & Gantz ^{Sands} Pay zone depth (ft) 2314-2546
Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 650 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 500 psig (surface pressure) after 24 Hours

Second producing formation Weir Sand Pay zone depth (ft) 2129-2210
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

*All Formations Comingled.

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: TREK, INC.
By: Candace McCloskey
Date: 3/10/98

TYL 1335 F

095 1335 F

09-19-96 Set Bridge Plug @ 2650'. Perforated 4 Holes @ 2640'.
Cemented w/200 Sx 50/50 Pozmix.

09-24-96 Gordon, Gordon Stray & Gantz Sands: 2314'-2546' (10 Holes) 5,000# 80/100 &
34,080# 20/40 Sand; 454 BW & 12 BA

Weir Sand: 2129'-2210' (14 Holes) 15,880# 20/40 Sand, 266 BW & 24 BA

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

Well Operator's Report of Well Work

Farm name: MASSULLO, MARC

Operator Well No.: BASIL #1

LOCATION: Elevation: 877.00

Quadrangle: SHIRLEY

District: CENTERVILLE

County: TYLER

Latitude: 11300 Feet South of 39 Deg. 25Min. 0 Sec.

Longitude 5820 Feet West of 80 Deg. 50 Min. 0 Sec.

Company: DRILLING APPALACHIAN CORP

P. O. BOX 99
ALMA, WV 26320-0099

Agent: KENNETH R. MASON

Inspector: GLEN P. ROBINSON

Permit Issued: 10/24/89

Well work Commenced: OCTOBER 26, 1989

Well work Completed: NOVEMBER 15, 1989

Verbal Plugging _____

Permission granted on: _____

Rotary XXX Cable _____ Rig _____

Total Depth (feet) 4955

Fresh water depths (ft) _____ 41

Salt water depths (ft) 378, 1255

Is coal being mined in area (Y/N)? N

Coal Depths (ft): NA

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 1/2	117	117	to surface
8 5/8	1720	1720	to surface
4 1/2		4922	1000 ft

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DEC 04 1989

DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation BENSON SAND Pay zone depth (ft) 4805-09
 Gas: Initial open flow SNOW MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow 300 MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests 4 Hours
 Static rock Pressure 1300 psig (surface pressure) after 72 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: DRILLING APPALACHIAN CORP.

By: Kenneth R. Mason

Date: 11/30/89

DEC 08 1989

GEOLOGICAL WELL RECORD DATA

WELL NAME: F. William Basii #1
 PERMIT NUMBER: 47-095-01335

	TOP	BOTTOM	
SOIL	0	15	
BROKEN SAND	15	257	
SANDS AND SHALES	257	955	
DUNKARD SAND	955	1037	
1ST SALT SAND	1192	1241	
2ND SALT SAND	1580	1651	
3RD SALT SAND	1596	1624	
MAXON	1633	1657	
BIG LIME	1742	1802	
KEENER SAND	1810	1866	
BIG INJUN SAND	1892	1962	SHOW GAS
WEIR	2126	2230	
BEREA	2312	2318	
GORDON SAND	2498	2548	
WARREN	3220	3263	
RILEY	4396	4430	SHOW GAS
BENSON	4805	4808	SHOW GAS
TOTAL DEPTH	4955		

WELL TREATMENT SCHEDULE

Benson Sand 4805 - 4808 Perforated with 20 holes

Formation Break Down 3100 PSI

Hydraulic frac with Nitrogen assist
 Average Treating Rate 17 barrels per min
 433 barrels of gel treated water
 200 sacks of 20/40 sand
 50 sacks of 80/100 sand

Average Treating Pressure 2541 PSI

RECEIVED
 DEC 04 1999

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

22473

1 WW-2B

095 1335 Frac.

Page of

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

Well Operator: TREK, Inc. ¹⁰⁴⁶ 49860 (1) 607

Operator's Well Number: Basil #1 3) Elevation: 877

Well type: (a) Oil / or Gas X / Issued 09/17/96
Expires 09/17/98

(b) If Gas: Production X / Underground Storage /
Deep 387 / Shallow

5) Proposed Target Formation(s): Big Injun and Weir

6) Proposed Total Depth: 4955 feet

7) Approximate fresh water strata depths: 41

8) Approximate salt water depths: 378, 1255

9) Approximate coal seam depths: N/A

10) Does land contain coal seams tributary to active mine? Yes / No X /

11) Proposed Well Work: Fracturing Big Injun and Weir formations

12) Squeeze & free shooting well completion
CASING AND TUBING PROGRAM

RECEIVED
WV Division of
Environmental Protection
AUG 23 1996
Permitting
Office of Oil & Gas

TYPE SPECIFICATIONS FOOTAGE INTERVALS CEMENT

TYPE	SPECIFICATIONS		Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
	Size	Grade				
Conductor	11 1/2			117	117	to surface
Fresh Water	8 5/8			1720	1720	to surface
Coal						
Intermediate						
Production	4 1/2				4922	1000ft
Tubing						
Liners						

Existing from well records
Squeeze to cover above formations

PACKERS : Kind
Sizes
Depths set

For Office of Oil and Gas Use Only

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

WV Division of
Environmental Protection
AUG 22 1996
Permitting
Office of Oil & Gas

- 1) Date: August 22, 1996
- 2) Operator's well number
Basil #1
- 3) API Well No: 47 - 095 - 1335 - F
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
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 Marc Massullo
Address 493 Country Park Drive
Winchester, VA 22601
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner(s) with Declaration
Name _____
Address _____
 - 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 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 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)
- x Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 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.

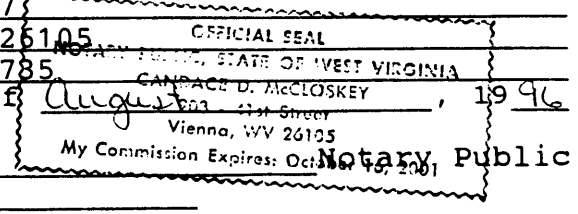
I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator TREK, Inc.
By: Edward B. Kime *[Signature]*
Its: President
Address P.O. Box 5087
Vienna, WV 26105

Telephone 304-295-8785

Subscribed and sworn before me this 22nd day of August, 1996

Candace D. McCloskey
My commission expires Oct 16 2001



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

- 1) Well Operator: DRILLING APPALACHIAN CORPORATION *14425, 1, 606*
- 2) Operator's Well Number: BASIL #1 3) Elevation: 877'
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Benson/Riley #3C
- 6) Proposed Total Depth: 5100'± feet
- 7) Approximate fresh water strata depths: 203', 403', 463'
- 8) Approximate salt water depths: 1433', 1453', 1532'
- 9) Approximate coal seam depths: 680'-682', 712'-714'
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Drill, perforate, stimulate new formation
- 12) *New Well*

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
<i>10/19/89</i> Conductor	11-3/4	H-40	42#	100'	100'	38CSR18-11.3
Fresh Water						
Coal						38CSR18-11.2.2
Intermediate	8-5/8"	J-55	23#	1750'	1750'	38CSR18-11.3
Production	4-1/2"	J-55	10 1/2#	5100'	5100'	38CSR18-11.3.1
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

RECEIVED
 OCT 24 1989

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

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

4700

RECEIVED
OCT 24 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: October 12, 1989
2) Operator's well number
 Basil #1
3) API Well No: 47 - 095 - 1335
 State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

<p>4) Surface Owner(s) to be served:</p> <p>(a) Name <u>Marc Massullo</u> Address <u>493 Country Park Drive</u> <u>Winchester, VA 22601</u></p> <p>(b) Name <u>--</u> Address _____</p> <p>(c) Name <u>--</u> Address _____</p>	<p>5) (a) Coal Operator:</p> <p>Name <u>--</u> Address _____</p> <p>(b) Coal Owner(s) with Declaration</p> <p>Name <u>--</u> Address _____</p> <p>Name _____ Address _____</p> <p>(c) Coal Lessee with Declaration</p> <p>Name <u>--</u> Address _____</p>
<p>6) Inspector <u>Glenn Robinson</u> Address <u>Rt 1, #6 Mt. Pleasant Estates</u> <u>Mineral Wells, WV 26150</u> Telephone (304)- <u>489-9162</u></p>	

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
x 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 5 on the above named parties, by:

- ____ Personal Service (Affidavit attached)
- ____ Certified Mail (Postmarked postal receipt attached)
- ____ Publication (Notice of Publication attached)

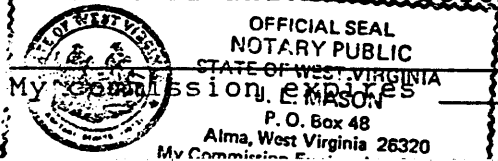
I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

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 DRILLING APPALACHIAN CORPORATION
 By: *Kenneth R. Henson*
 Its: President
 Address P. O. Box 99
Alma, WV 26320
 Telephone (304) 758-4638

~~Subscribed and sworn before me this~~ 13th day of October, 1989



Kenneth R. Henson Notary Public