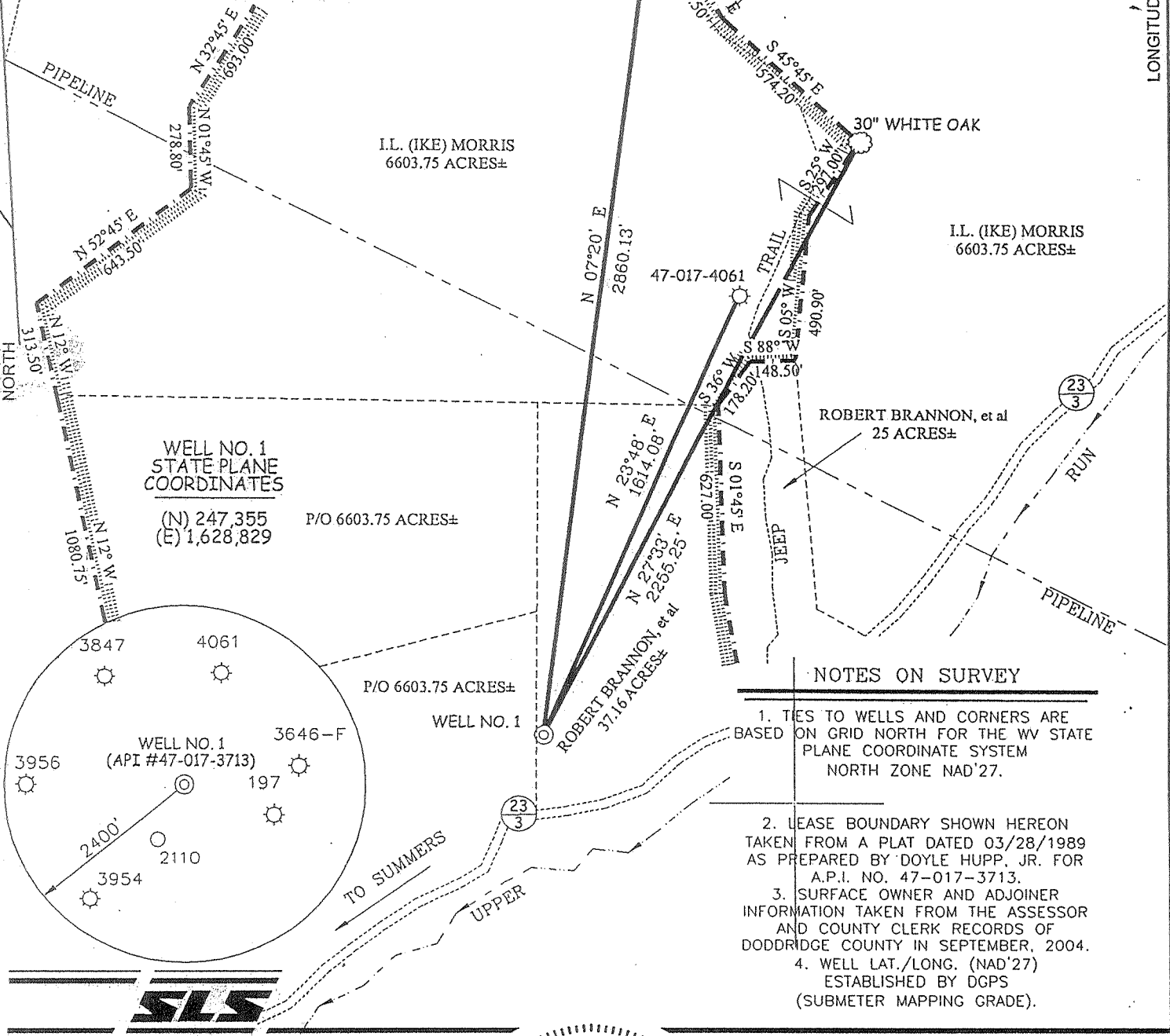


# SCHWARTZMAN LEASE

## 183 ACRES ± WELL NO. 1



### WELL NO. 1 STATE PLANE COORDINATES

(N) 247,355  
(E) 1,628,829

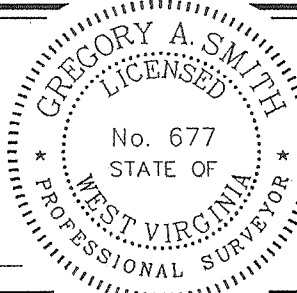
P/O 6603.75 ACRES±

### NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD'27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A PLAT DATED 03/28/1989 AS PREPARED BY DOYLE HUPP, JR. FOR A.P.I. NO. 47-017-3713.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN SEPTEMBER, 2004.
4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).

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 DIVISION OF ENVIRONMENTAL PROTECTION.


P.S. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE SEPTEMBER 17, 2004  
 OPERATORS WELL NO. SCHWARTZMAN #1  
 API WELL NO. 47 - 017 - 3713-F  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 5614P1 (173-46)  
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 500'

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



WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 975' WATERSHED UPPER RUN  
 DISTRICT SOUTHWEST COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'  
 SURFACE OWNER ROBERT BRANNON, et al ACREAGE 37.16±  
 ROYALTY OWNER SAMUEL J. HILEMAN, et al LEASE ACREAGE 183±  
 PROPOSED WORK: LEASE NO. \_\_\_\_\_  
 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 BIG INJUN  
 ESTIMATED DEPTH 1,810'

WELL OPERATOR TERM ENERGY DESIGNATED AGENT LEROY BAKER  
 ADDRESS 713 EAST MAIN ST., HARRISVILLE, WV 26362 ADDRESS 713 EAST MAIN ST., HARRISVILLE, WV 26362

LONGITUDE 80°47'30"

LAT. 39°10'18.2"

COUNTY NAME

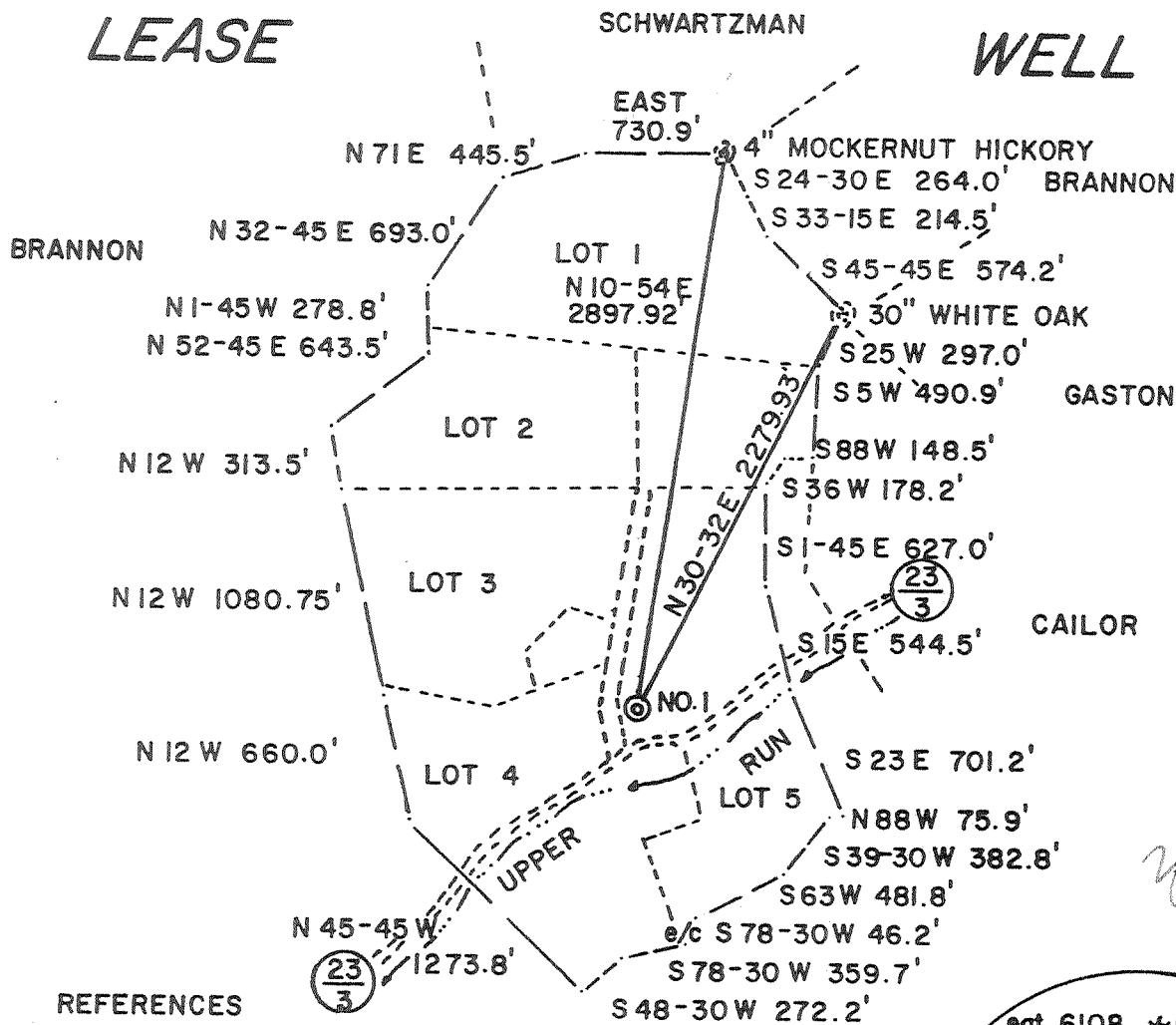
PERMIT

D000  
3713-F

*Janie 4/2/89 7/15/92*  
**SCHWARTZMAN LEASE**

4950'  
 LATITUDE 39°12'30"

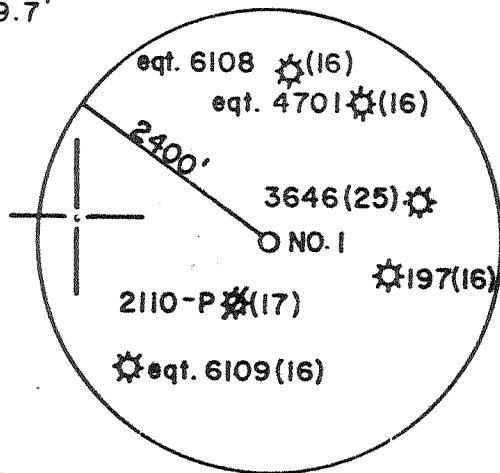
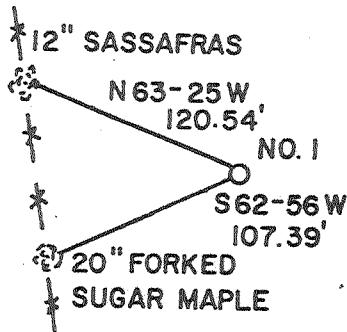
**WELL NO. 1**



LONGITUDE 80°47'30"  
 13,420'

**REFERENCES**

1" = 100'

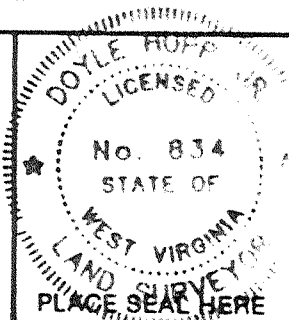


*5.435  
 3.16W*

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

FILE NO. 31 (3-4)  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1"=1000'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB  
ELEV. 1196'

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) Doyle Hupp Jr.  
 R.P.E. \_\_\_\_\_ L.L.S. 834



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



DATE MARCH 28, 19 89  
 OPERATOR'S WELL NO. NO. 1  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_\_\_ GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW X  
 LOCATION: ELEVATION 967 WATER SHED UPPER RUN

DISTRICT SOUTHWEST COUNTY DODDRIDGE

QUADRANGLE OXFORD 7.5

SURFACE OWNER PRESLEY BRANNON ACREAGE 36.16

OIL & GAS ROYALTY OWNER SAMUEL J. HILEMAN, et. al. LEASE ACREAGE 183

LEASE NO. \_\_\_\_\_

PROPOSED WORK: DRILL X CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE X 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 5200'

WELL OPERATOR TERM ENERGY DESIGNATED AGENT JEAN FREELAND

ADDRESS 110 N. SPRING ST. HARRISVILLE, WV ADDRESS 110 N. SPRING ST. HARRISVILLE, WV

26351

26351

*JUL 21 1992*

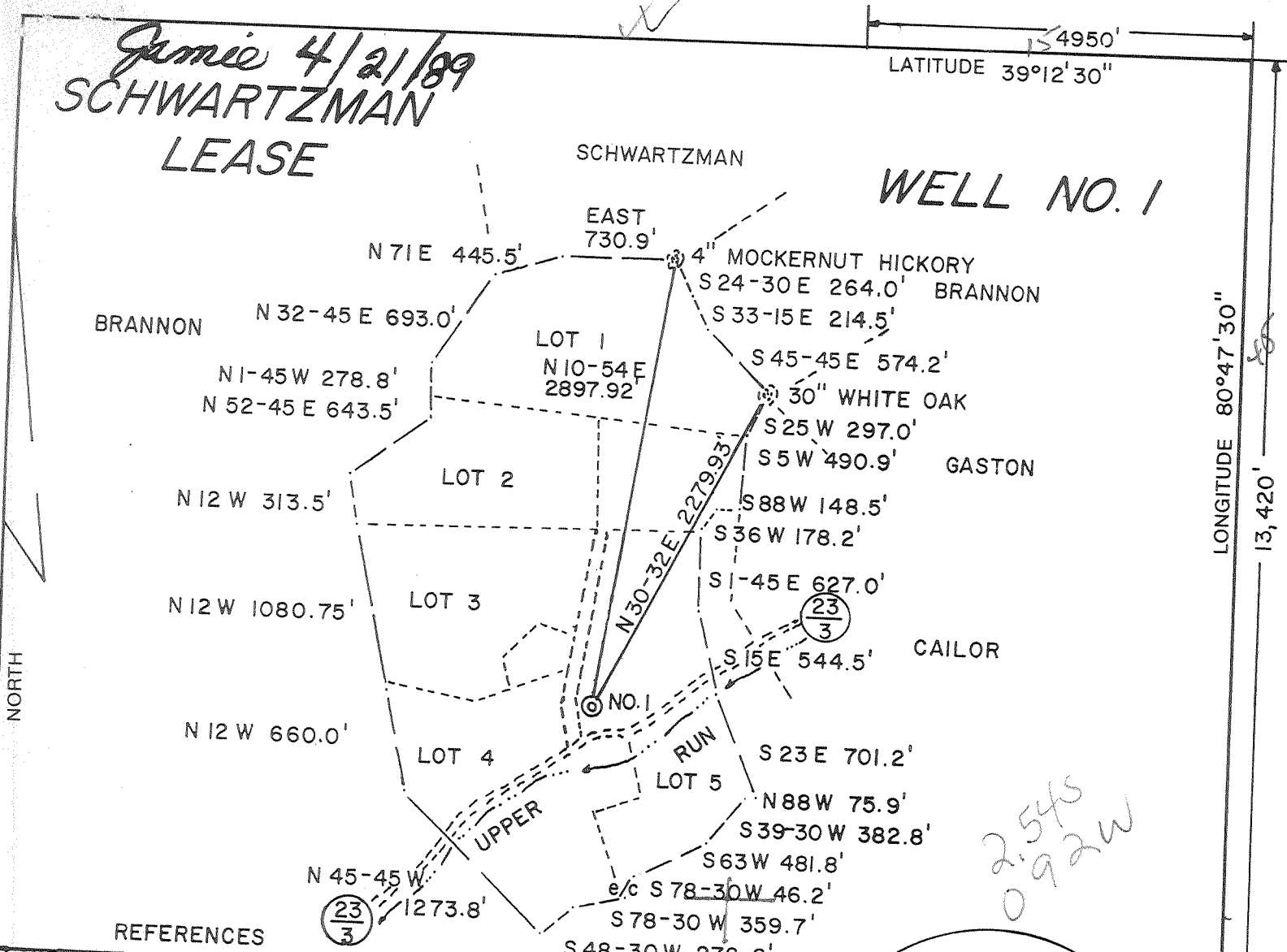
*6611112-6-6 Straight Fork-Bluestone Creek (133)*

COUNTY NAME 0000  
 PERMIT 3713

*Janie 4/2/89*  
**SCHWARTZMAN  
 LEASE**

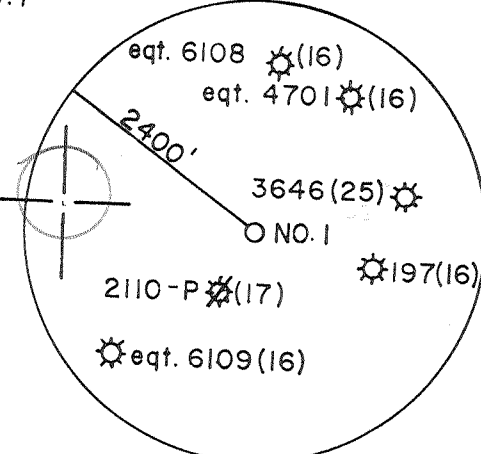
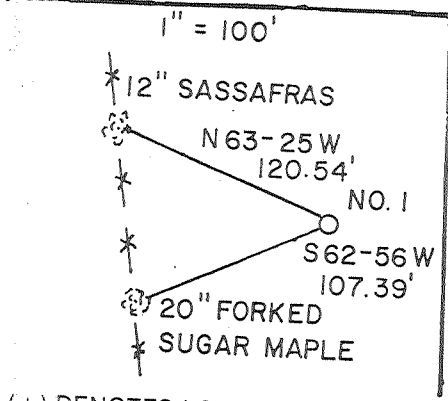
4950'  
 LATITUDE 39°12'30"

**WELL NO. 1**



LONGITUDE 80°47'30"  
 13,420'

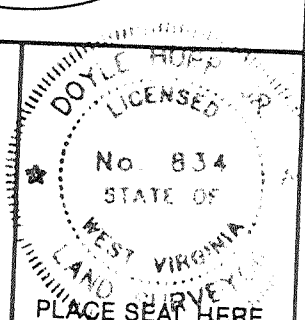
**REFERENCES**



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

FILE NO. 31 (3-4)  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1"=1000'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB  
ELEV. 1196'

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) Doyle Hupp Jr.  
 R.P.E. \_\_\_\_\_ L.L.S. 834



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

DATE MARCH 28, 19 89  
 OPERATOR'S WELL NO. NO. 1  
 API WELL NO. 47-017-3713  
 STATE WEST VIRGINIA COUNTY DODDRIDGE PERMIT 834

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 967 WATER SHED UPPER RUN  
 DISTRICT SOUTHWEST COUNTY DODDRIDGE  
 QUADRANGLE OXFORD 7.5 526 0583 Holbrook NE

SURFACE OWNER PRESLEY BRANNON  
 OIL & GAS ROYALTY OWNER SAMUEL J. HILEMAN, et. al. ACREAGE 36.16  
 LEASE NO. \_\_\_\_\_ LEASE ACREAGE 183

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 5200'  
 WELL OPERATOR TERM ENERGY DESIGNATED AGENT JEAN FREELAND  
 ADDRESS 110 N. SPRING ST. HARRISVILLE, WV 26351 ADDRESS 110 N. SPRING ST. HARRISVILLE, WV 26351

APR 28 1989

COUNTY NAME  
 PERMIT

6-6 Straight Fork - B...

*MJ*

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Schwartzman  
 LOCATION: Elevation: 975'  
 District: South west  
 Latitude: 13250 Feet South of 39 Deg. 10  
 Longitude: 4950 Feet West of 80 Deg. 48  
 Operator Well No.: # 1  
 Quadrangle: Oxford 7.5'  
 County: Doddridge  
 Min. 18.2 Sec.  
 Min. 33.2 Sec.

Company: TERM Energy Corporation

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>713 East Main Street</u> <u>Harrisville, WV 26362</u>				
Agent: <u>Leroy Baker</u>	See	Previous	Wr-35	
Inspector: <u>Mike Underwood</u>				
Date Permit Issued: <u>9/24/04</u>				
Date Well Work Commenced: <u>10/06/04</u>	<u>4 1/2"</u>	<u>Squeeze</u>	<u>cemented</u>	<u>176.7 cu. ft.</u>
Date Well Work Completed: <u>10/12/04</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Depth (feet):				
Fresh Water Depth (ft.): <u>N/A</u>				
Salt Water Depth (ft.): <u>N/A</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>N/A</u>				

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth (ft) 1756' - 1770'  
 Gas: Initial open flow - MCF/d Oil: Initial open flow 0 Bbl/d  
 Final open flow 30 MCF/d Final open flow 0 Bbl/d  
 Time of open flow between initial and final tests          Hours  
 Static rock Pressure 215 psig (surface pressure) after 16 Hours

**Commingled with previous history**  
 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.

Signed:          TERM Energy Corporation  
 By:           
 Date: 12/22/04

RECEIVED  
Office of Oil & Gas  
Office of Chief  
DEC 27 2004  
WV Department of  
Environmental Protection

0000 3713 F

JAN 07 2005

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

Reviewed TMG  
Recorded \_\_\_\_\_

JUL 30 1992  
Permitting  
Section of Oil & Gas

Well Operator's Report of Well Work

Farm name: BRANNON, PRESLEY - HEIRS Operator Well No.: SCHWARTZMAN 1

LOCATION: Elevation: 967.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE  
Latitude: 13420 Feet South of 39 Deg. 12Min. 30 Sec.  
Longitude 4950 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: 07/16/92  
Well work Commenced: 07/16/92  
Well work Completed: 07/16/92  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary N/A Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total Depth (feet) N/A  
Fresh water depths (ft) 110'  
860'  
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.
11 3/4"	25'	0	
8 5/8"	1077'	1077'	306.8
4 1/2"	5038.4'	5038.4'	727.5

OPEN FLOW DATA

Stray

Producing formation Alexander, Benson & Benson Pay zone depth (ft) 4550-4982  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 200 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

Comingled Production

Second producing formation Gordon Pay zone depth (ft) 2392-2396  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 125 MCF/d Final open flow .5 Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure 320 psig (surface pressure) after 24 Hours

new zone completed

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  
TERM ENERGY CORP

By: Jean Freeland Jean Freeland, Agent  
Date: 7/22/92

AUG 3 1992

SCHWARTZMAN #1 .RE-FRAC

07/16/92

SET WIDE MOUTH PLUG AT 2400' AND FRAC GORDON

ONE STAGE ENERGIZED WATER FRAC

- GORDON: MAX TR PRESS 3879; AVG RATE 11; AVG PRESS 3419;  
30,000# 20/40; 5,000# 80/100; MAX CONC 3.5; TOTAL  
ACID 500 GAL; ISIP 1978; 5 MIN SIP 1665; TOTAL  
NITROGEN 58,000 SCF; TOTAL FLUIDS 393 BBLs.

FORMATIONS:

See original WR-35

13899

REC-7-10  
MAY 18 1989

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

API # 47-17-03713

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

Farm name: BRANNON, PRESLEY HEIRS Operator Well No.: SCHWARTZMAN 1

LOCATION: Elevation: 967.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE  
Latitude: 13420 Feet South of 39 Deg. 12Min. 30 Sec.  
Longitude: 4950 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: 04/24/89  
Well work Commenced: 05/01/89  
Well work Completed: 5/12/89  
Verbal Plugging \_\_\_\_\_  
Permission granted on: \_\_\_\_\_  
Rotary x Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total Depth (feet) 5065'  
Fresh water depths (ft) 110'  
860'  
Salt water depths (ft) none

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	25'	0	
8 5/8"	1077'	1077'	306.8
4 1/2"	5038.4'	5038.4'	727.5

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

OPEN FLOW DATA

Producing formation Alexander Pay zone depth (ft) 4878-4982  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 800 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure 1450 psig (surface pressure) after 24 Hours  
Co-mingled Production Benson Stray  
Second producing formation Benson Pay zone depth (ft) 4550-4563  
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: TERM ENERGY CORP.

By: Jean Freeland, Agent  
Date: 5-15-89

MAY 22 1989

5/12/89 Perforated : Alexander 4906-4975, 16 Holes, .39  
 Leopold 4789, 1 Hole, .39  
 Benson 4632-4635, 4 Holes, .39  
 Benson Stray 4551-4558, 4 Holes, .39  
 Gordon 2392-2396, 5 Holes, .39

2 Stage Foam Frac:

-Alexander & Leopold; Max TR Press 2900. Avg. rate 26.9, Avg. Press 2438, 40,000# 20/40, Max Conc 4, Total acid 500 gal, ISIP 2050, SIP 2000 5 min, Total nitrogen 465,298 scf, Total fluid 160.5 Bbls.  
 -Benson&Benson Stray; Max TR Press 3800, Avg rate 12.1, Avg Press 3342, 20,000# 20/40, Max Conc 2, Total acid 126 gal, ISIP 3790, SIP 2700 5 min, Total nitrogen 428,625 scf, Total fluid 138 Bbls.

Well Log:

Sand, shale and RR	0-1635	Fresh water
Little Lime	1635-1660	110' - 1/2" stream
Shale and RR	1660-1670	860' - 1" stream
Big Lime	1670-1740	
Big Injun	1740-1795	
Sand and Shale	1795-5065	

Log Tops

Big Lime	1665-1740
Big Injun	1740-1816
Weir	1964-2086
Berea	2163-2167
Gordon	2391-2397
Warren	3040-3179
Balltown	3769-3856
Riley	4203-4250
Benson Stray	4550-4563
Benson	4630-4639
Alexander	4878-4982

**RECEIVED**  
 MAY 18 1989

DIVISION OF OIL & GAS  
 DEPARTMENT OF ENERGY

2717

MAY 22 1989



RECEIVED

017-3713 - Frac

Issued 7/16/92

Expires 7/16/94

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

M 1 0

- 1) Well Operator: TERM ENERGY CORP. 49105 (7) 525
2) Operator's Well Number: Schwartzman #1
3) Elevation: 967
4) Well type: (a) OilXX/ or GasXX/
(b) If Gas: ProductionXX/ Underground Storage Deep ShallowXX
5) Proposed Target Formation(s): Alexander, Benson, Benson Stray & Gordon
6) Proposed Total Depth: 5065 feet
7) Approximate fresh water strata depths: 110' (Actual)
8) Approximate salt water depths: None
9) Approximate coal seam depths: Coal
10) Does land contain coal seams tributary to active mine? Yes No XX
11) Proposed Well Work: Frac Gordon Sands (2391 - 2397)
12) Set Temporary Plug Frac GORDON, Retrieve Plug & Corrigle with lower Production

CASING AND TUBING PROGRAM

Table with columns: TYPE, SPECIFICATIONS (Size, Grade, Weight per ft.), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT (Fill-up (cu. ft.)). Rows include Conductor, Fresh Water, Coal, Intermediate, Production, Tubing, Liners.

Epistone from Well Record

PACKERS : Kind 1853 Sizes 25 Depths set

For Division of Oil and Gas Use Only

Fee(s) paid: [ ] Well Work Permit [ ] Reclamation Fund [ ] WPCP [ ] Plat [ ] WW-9 [ ] WW-28 [ ] Bond [ ] Agent (Type)

RECEIVED

WV Division of  
Environmental Protection  
JUL 10 1992  
Permitting  
Office of Oil & Gas

1) Date: July 7, 1992  
2) Operator's well number  
Schwartzman #1  
3) API Well No: 47 - 017 - 3713F  
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 Robert Brannon, Presley Brannon Heirs  
Address Rt. 1 Box 184  
West Union, WV 26456
- (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 184  
Siem, 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)

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)

INSTRUCTIONS TO SURFACE OWNERS NAMED ABOVE

(Continued on Reverse)

The well operator named below is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22B of the West Virginia Code. Well work permits are valid for 24 months.

Well Operator TERM Energy Corporation  
By: Jean Freeland Jean Freeland  
Its: Agent  
Address 713 E. Main St.  
Harrisville, WV 26362  
Telephone (304) 643-4500

Subscribed and sworn before me this 7<sup>th</sup> day of September 1992

My commission expires SEP 21, 1998 Notary Public

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

- 1) Well Operator: TERM Energy Corp. *49105, 7, 525*
- 2) Operator's Well Number: Schwartzman #1 3) Elevation: 967'
- 4) Well type: (a) Oil    / or Gas XX /  
(b) If Gas: Production XX / Underground Storage    /  
Deep    / Shallow XX /
- 5) Proposed Target Formation(s): Alexandar 436
- 6) Proposed Total Depth: 5200 feet
- 7) Approximate fresh water strata depths: 160'
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: None possible 24" of coal at 751'-753'
- 10) Does land contain coal seams tributary to active mine? Yes    / No XX /
- 11) Proposed Well Work: Drill & 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	11 3/4"	J-55	42#	17'	0	
Fresh Water	8 5/8"	J-55	20# 23#	1000' 70'	1000' 70'	<i>OK Midway CTS</i>
Coal				<i>1070'</i>	<i>1070'</i>	<i>3805218-11.3</i> <i>3805218-112.2</i>
Intermediate						
Production	4 1/2"	J-55	11.6# 10.5#	126' 4906'	126' 4906'	230 Cu.Ft. <i>3805218-11.1</i>
Tubing						
Liners						

RECEIVED  
APR 21 1989

PACKERS : Kind \_\_\_\_\_  
Sizes \_\_\_\_\_  
Depths set \_\_\_\_\_  
DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

146  
 Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Flat  WW-9  WW-2B  Bond 50 Blanket  Agent  
 (Type)

5717

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Page 1 of \_\_\_\_\_  
Form WW2-A  
(09/87)  
File Copy

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Date: March 28, 1989  
Operator's well number  
Schwartzman #1  
API Well No: 47 - 017 - 3713  
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 Presley Brannon Hrs.  
Address Rt. 1 Box 184  
West Union, WV 26456  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Mike Underwood  
Address Rt. 2 Box 114  
Salem, WV 26426  
Telephone (304)- 782-1043

5) (a) Coal Operator:  
Name None  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(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  
\_\_\_\_\_ 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 Corp.  
By: Jean Freeland Jean Freeland  
Its: Agent  
Address 110 North Spring Street  
Harrisville, WV 26362  
Telephone 304-643-4500

Subscribed and sworn before me this 20th day of APRIL, 1989  
Rodney C. Anderson Notary Public  
My commission expires June 12, 1994