

WELL REFERENCES: *Jane 9/26/90*

N51°E, 104.5' TO 6" RED MAPLE
N23°E, 105.5' TO 14" BLACK OAK 5/21/92

11/16/95

TYLER COUNTY
DODDRIDGE COUNTY

STEPHEN PITTS
77 AC.

PITTS

NORTH

LATITUDE 39° 22' 30"

7585'

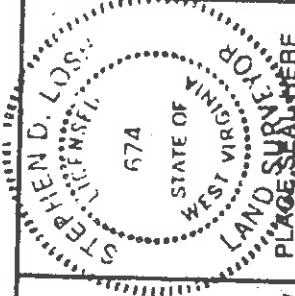
LONGITUDE 80° 45' 00"

LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE : 304-842-2018

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

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 IN 200
PROVEN SOURCE OF ELEVATION TOP OF KNOB 650'
SE. OF LOC. AT ELEV. 1307'

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) _____
R.P.E. _____ L.L.S. _____ NO. 674
STEPHEN D. LOSH
LAND SURVEYOR
PLAGE, W. VA.



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE AUGUST 17, 19 90
OPERATOR'S WELL NO. PITTS 5
API WELL NO. _____

WELL TYPE: OIL _____ GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____

LOCATION: ELEVATION 1108' WATER SHED SANDY RUN
DISTRICT GRANT COUNTY DODDRIDGE
QUADRANGLE WEST UNION
SURFACE OWNER STEPHEN PITTS
OIL & GAS ROYALTY OWNER STEPHEN PITTS

PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
LEASE NO. _____
ACREAGE 77

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION BENSON ESTIMATED DEPTH 5400'
WELL OPERATOR STONEWALL GAS CO DESIGNATED AGENT JESSE SHELL
ADDRESS P.O. DRAWER R Dominion App ADDRESS JANE LEW, WV 26378-0080

DODD COUNTY NAME

3853-W PERMIT

7585' LATITUDE 39° 22' 30" LONGITUDE 80° 45' 00"

WELL REFERENCES: *Janie 9/26/90*
N51°E, 104.5' TO 6" RED MAPLE
N23°E, 105.5' TO 14" BLACK OAK 5/27/92
11/16/95

TIER COUNTY
DODDRIDGE COUNTY

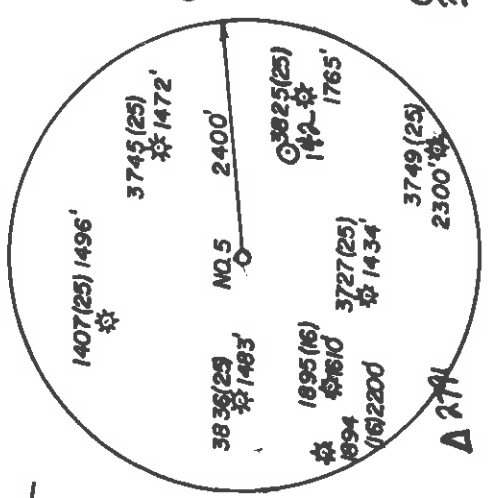
REED

STEPHEN PITTS
7.7 AC.

PITTS

NORTH

NO. 5

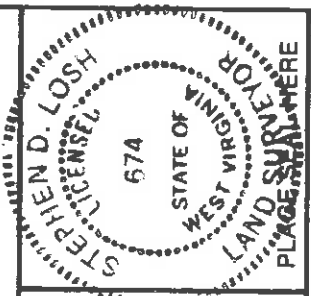


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21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018

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SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 IN 200
PROVEN SOURCE OF ELEVATION TOP OF KNOB 650'
SE. OF LOC. AT ELEV. 1307'

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R.P.E. _____ L.L.S. NO. 674
STEPHEN D. LOSH



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE AUGUST 17, 19 90
OPERATOR'S WELL NO. PITTS 5
API WELL NO. 47-017-3853-W

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL STATE COUNTY PERMIT
(IF "GAS,") PRODUCTION X STORAGE DEEP SHALLOW X
LOCATION: ELEVATION 1108 WATERSHED SANDY RUN
DISTRICT GRANT COUNTY DODDRIDGE
QUADRANGLE WEST UNION
SURFACE OWNER STEPHEN PITTS
OIL & GAS ROYALTY OWNER STEPHEN PITTS LEASE NO. 77
LEASE ACREAGE 227.

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 BENSON ESTIMATED DEPTH 5400'
WELL OPERATOR STONEWALL GAS CO DESIGNATED AGENT JESSE SHELL
ADDRESS P.O. DRAWER R ADDRESS P.O. DRAWER R
JANE LEW, WV 26378-0080

WOOD COUNTY NAME

3853-W PERMIT
FEB 27 1998

7585' LATITUDE 39° 22' 30" LONGITUDE 80° 45' 00"

DOTSON

LATITUDE 39° 22' 30"

WELL REFERENCES: *Janic 9/26/90*
N51°E, 104.5' TO 6" RED MAPLE
N23°E, 105.5' TO 14" BLACK OAK 5/21/92

50.45 AC

A 11/16/95

TIER COUNTY
DODDRIDGE COUNTY

REED

STEPHEN PITTS
7.7 AC.

PITTS

NORTH

NO. 5

N29°46'E,
1764.18'

S12°56'W
1582.44'

ELMORE

S26°30'W
264'

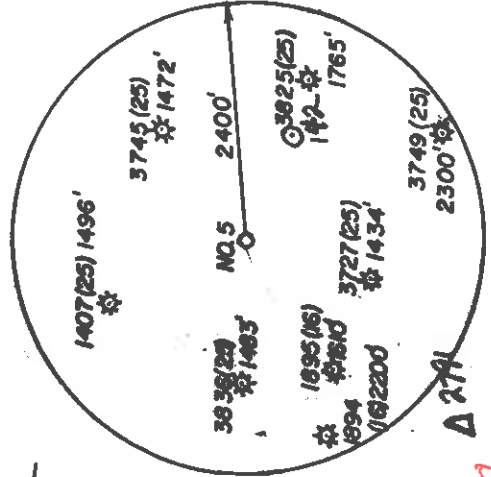
N88°47'W,
522.04'

ZIEGENFUSS

S87°W, 429'

N74°30'W, 264'

STONE & 14' HICKORY

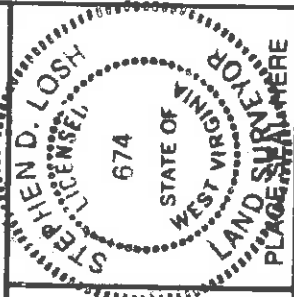


LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018

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

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MINIMUM DEGREE OF
ACCURACY 1 IN 200
PROVEN SOURCE OF
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LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
MENT OF ENERGY.
(SIGNED) _____
R.P.E. _____ L.I.S. _____ NO. 674
STEPHEN D. LOSH



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE AUGUST 17, 19 90
OPERATOR'S WELL NO. PITTS 5
API WELL NO. _____

47-017-3853-W
STATE COUNTY PERMIT

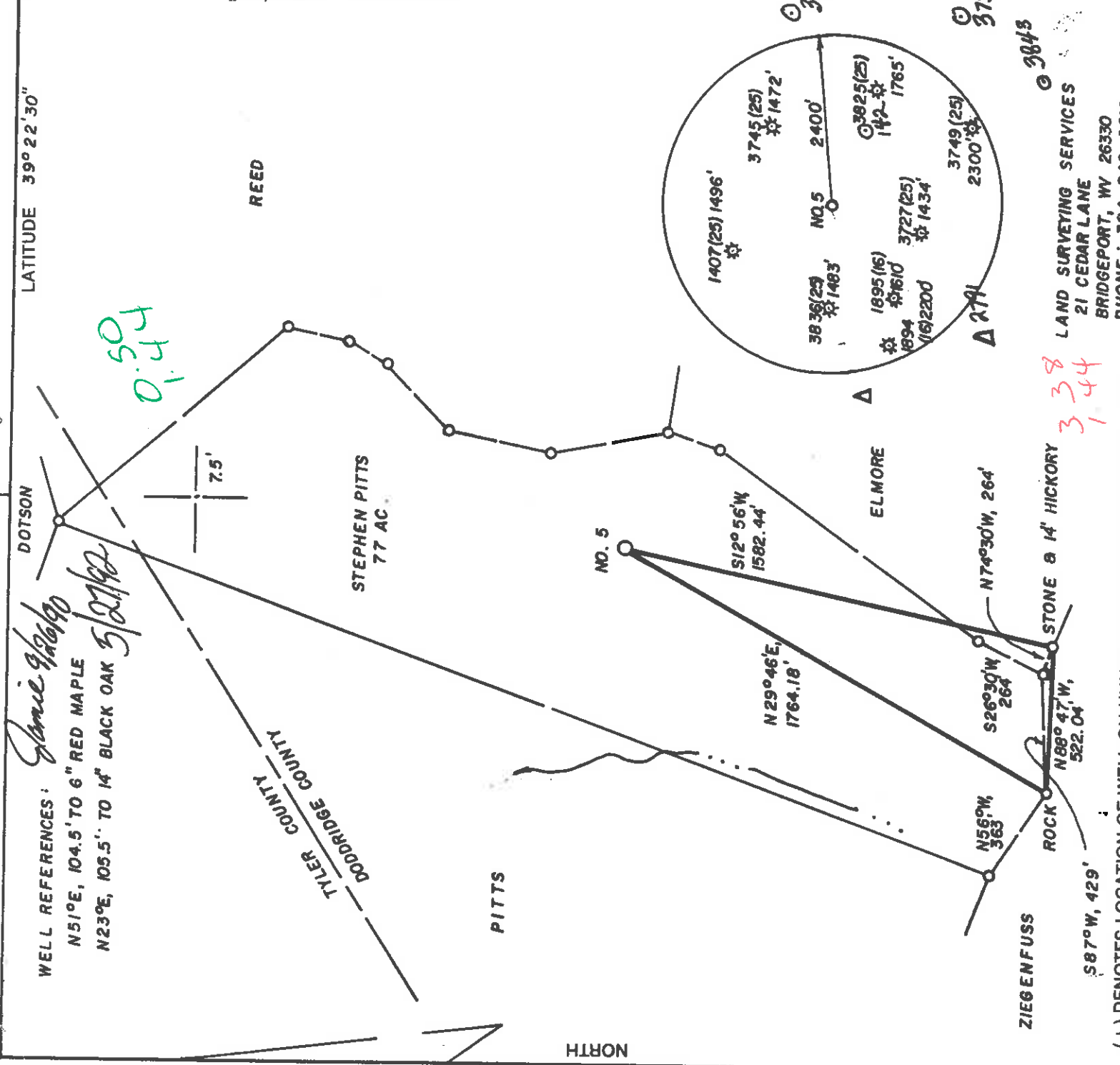
WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL _____
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X _____
LOCATION: ELEVATION 1108' WATER SHED SANDY RUN _____
DISTRICT GRANT COUNTY DODDRIDGE
QUADRANGLE WEST UNION WVA ACRES 77
SURFACE OWNER STEPHEN PITTS
OIL & GAS ROYALTY OWNER STEPHEN PITTS LEASE NO. _____
LEASE ACRES 227

PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR
STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW
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TARGET FORMATION BENSON ESTIMATED DEPTH 5400'
WELL OPERATOR STONEWALL GAS CO DESIGNATED AGENT JESSE SHELL
ADDRESS P.O. DRAWER R ADDRESS P.O. DRAWER R
JANE LEW, WV 26378-0080 JANE LEW, WV 26378-0080

DODD COUNTY NAME

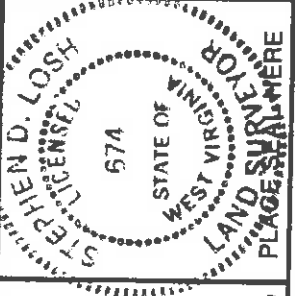
3853-W PERMIT



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 DRAWING NO. _____
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 R.P.E. _____ I.L.S. _____ NO. 674
 STEPHEN D. LOSH



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE AUGUST 17, 19 90
 OPERATOR'S WELL NO. PITTS 5
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1108' WATER SHED SANDY RUN
 DISTRICT GRANT COUNTY DODDRIDGE
 QUADRANGLE WEST UNION
 SURFACE OWNER STEPHEN PITTS
 OIL & GAS ROYALTY OWNER STEPHEN PITTS
 LEASE NO. _____ LEASE ACREAGE 77
 COUNTY DODDRIDGE ACREAGE 227

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 BENSON ESTIMATED DEPTH 5400'
 WELL OPERATOR STONEWALL GAS CO. DESIGNATED AGENT JESSE SHELL
 ADDRESS P.O. DRAWER R 847 ADDRESS P.O. DRAWER R
 JANE LEW, WV 26378-0080 JANE LEW, WV 26378-0080

DODD COUNTY NAME
 3853 PERMIT

47-017-3853-W PERMIT

WELL REFERENCES:

N51°E, 104.5' TO 6" RED MAPLE
N23°E, 105.5' TO 14" BLACK OAK

LATITUDE 39° 22' 30"

7585'

2710'

LONGITUDE 80° 45' 00"

DOTSON

TYLER COUNTY
DODDRIE COUNTY

STEPHEN PITTS
77 AC.

PITTS

NORTH

1.428
0.50

NO. 5

S12° 56' W
1582.44'

N 29° 46' E
1764.18'

N56° W
363'

ZIEGENFUSS

S 87° W, 429'

S 26° 30' W
264'

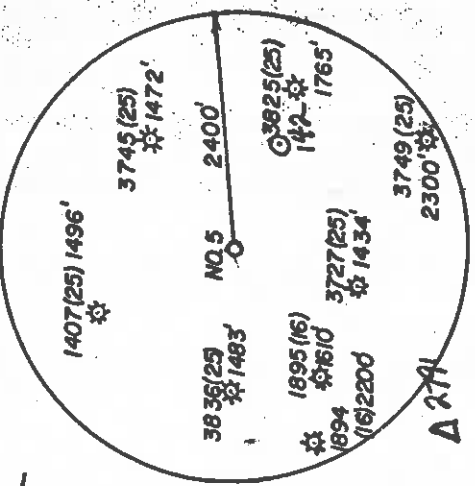
ROCK

N 88° 47' W,
522.04'

STONE & 14' HICKORY

N 74° 30' W, 264'

15' loc
3,385 W
1,142



LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE : 304-842-2018

3845

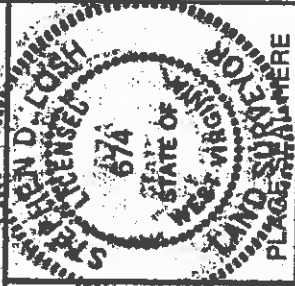
3750

3824

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STEPHEN D. LOSH



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE AUGUST 17, 19 90
OPERATOR'S WELL NO. PITTS 5
API WELL NO. 47-017-3853

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1108' WATER SHED SANDY RUN
DISTRICT GRANT COUNTY DODDRIE
QUADRANGLE WEST UNION COUNTY DODDRIE
SURFACE OWNER STEPHEN PITTS
OIL & GAS ROYALTY OWNER STEPHEN PITTS LEASE NO. _____ ACREAGE 77
LEASE ACRES 6 + 15' EC

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

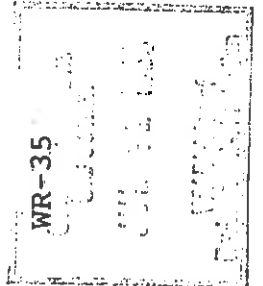
PLUG AND ABANDON CLEAN OUT AND REPLUG _____
TARGET FORMATION BENSON ESTIMATED DEPTH 5400'
WELL OPERATOR STONEWALL GAS CO 847 DESIGNATED AGENT JESSE SHELL
ADDRESS P.O. DRAWER R ADDRESS _____
JANE LEW, WV 26378-0080
P.O. DRAWER R JANE LEW, WV 26378-0080

COUNTY NAME

PERMIT

6-6 Wilbur (092)

OCT 1 1990



04-NOV-98
API # 47- 17-03853 W

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

Reviewed LS

Well Operator's Report of Well Work

Farm name: PITTS, STEPHEN B. Operator Well No.: PITTS 5 493-S

LOCATION: Elevation: 1,108.00 Quadrangle: WESTON

District: GRANT County: DODDRIDGE
Latitude: 2710 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 7585 Feet West of 80 Deg. 45 Min. Sec.

Company: DOMINION APPALACHIAN DEVE
P. O. BOX 1248
JANE LEW, WV 26378-0000

Agent: JOHN T. HASKINS

Inspector: MIKE UNDERWOOD
Permit Issued: 05/28/92
Well work Commenced: 5/15/98
Well work Completed: 5/15/98
Verbal Plugging
Permission granted on: _____ Rig
Rotary Cable

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
* No damage - see original WR-35			
Keener was completed for storage observation.			

Total Depth (feet) _____
Fresh water depths (ft) _____
Salt water depths (ft) _____
Is coal being mined in area (Y/N)? _____
Coal Depths (ft): _____

OPEN FLOW DATA

Producing formation Keener Pay zone depth (ft) 2034-2052

Gas: Initial open flow 267 MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 1555 MCF/d Final open flow 0 Bbl/d
 Time of open flow between initial and final tests 7 days ~~30 days~~
 Static rock Pressure 185 psig (surface pressure) after 7 days ~~30 days~~

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.

Larry J. Cavallo

For: DOMINION APPALACHIAN DEVELOPMENT, INC.

By: Larry J. Cavallo; Manager of Engineering
Date: 7/7/99

JUL 19 1999

D000 3853 W

STAGE(S)	PERFS	HOLES	DATE	ISIP
2034-2052		72	5/15/98	2114#

no change - see original WR-35

RMATION	COLOR	HARD/SOFT	TOP	BOTTOM	REMARKS

BBL
BP
70 Quality Foam
30,000# Sand

JUL 07 1994

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

WV Division of Well Operator's Report of Well Work
Environmental Protection
PITTS, STEPHEN B. Operator Well No.: PITTS 5 493-S

LOCATION: Elevation: 1108.00 Quadrangle: WEST UNION

District: GRANT County: DODDRIDGE
Latitude: 2710 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 7585 Feet West of 80 Deg. 45 Min. 0 Sec.

Company: STONEWALL GAS COMPANY

909 E. MAIN ST. P.O. BOX 1575
RICHMOND, VA 23213-0000

Agent: JESSE A. SHELL

Inspector: MIKE UNDERWOOD
Permit Issued: 05/28/92
Well work Commenced: 07/01/92
Well work Completed: 07/01/92
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): _____

OPEN FLOW DATA

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

Producing formation KEENER

Gas: Initial open flow 696 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 60 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 1 Hours
Static rock Pressure 360 psig (surface pressure) after 168 Hours

Second producing formation

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

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For: STONEWALL GAS COMPANY

By: 

Date: JULY 5, 1994

RAY M. FREAR, JR.

PETROLEUM ENGINEER

JUL 8 1994

ZONES	PERFS	HILES	TREATMENT	BREAKDOWN	ISIP
CEENER	2034-2052	72	750 GALS 15% FE ACID	2300	600

4274/

Well Operator's Report of Well Work
Farm name: PITTS, ERMA MABELOperator Well No.: PITTS 5 493-S
LOCATION: Elevation: 1108.00 Quadrangle: WEST UNIONDistrict: GRANT
Latitude: 2710 Feet South of 39 Deg. DODDRIDGE
Longitude 7585 Feet West of 80 Deg. 22Min. 30 Sec.Company: STONEWALL GAS COMPANY
909 E. MAIN ST. P.O. BOX 1575
RICHMOND, VA 23219-1575

Agent: JESSE A. SHELL

Inspector: MIKE UNDERWOOD
Permit Issued: 09/26/90
Well work Commenced: 10-04-90
Well work Completed: 10-11-90
Verbal plugging
Permission granted on: Rig
Rotary X Cable
Total Depth (feet) 5300
Fresh water depths (ft) 65
Salt water depths (ft)
438, 1050, 1875
Is coal being mined in area (Y/N)? N
Coal Depths (ft): 243, 501

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	127	127	70 SKS
8 5/8	1284	1284	300 SKS
4 1/2	5177	5177	720 SKS

OPEN FLOW DATA

Producing formation BENSONGas: Initial open flow * MCF/d Oil: MCF/d
Final open flow 2705 MCF/d
Time of open flow between initial and final tests Bbl/d
Static rock pressure 1600 psig (surface pressure) after 168 HoursSecond producing formation BALLTOWNGas: Initial open flow * MCF/d Oil: MCF/d
Final open flow 2705 MCF/d
Time of open flow between initial and final tests Bbl/d
Static rock pressure 1600 psig (surface pressure) after 168 Hours

*UNABLE TO DETERMINE DUE TO OPEN FLOW FROM INJUN

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For: STONEWALL GAS COMPANY

By: Date: DECEMBER 3, 1990 RAY M. FREAR, JR.

DEC 14 1990

017-3883

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
 WELL WORK PERMIT APPLICATION
 Well Operator: STONEWALL GAS COMPANY 47850 (3) 670
 Operator's Well Number: PITTS #5 (493-S)
 Well type: (a) Oil or Gas
 (b) If Gas: Production Underground Storage Shallow Deep
 Proposed Target Formation(s): BENSON
 Proposed Total Depth: 5200' feet
 Approximate fresh water strata depths: 10', 160', 130'
 Approximate salt water depths: 1130', 1550'
 Approximate coal seam depths: 747' - 752' 1853' 1538' Section
 Does land contain coal seams tributary to active mine? Yes No
 Proposed Well Work: Drill & Stimulate New Well

3) Elevation: 1108'

RECEIVED
 Division of Energy
 SEPT 10 90

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11 3/4"		27#	130'	130' cfs	38-CSR 18-11.3
Fresh Water						
Coal						
Intermediate	8 5/8"		20#	1300'	1300' CTS	38 CSR 18-11.2.2
Production	4 1/2"		10.5#	5150'	5150'	38 CSR 18-11.1
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

Fee(s) paid: _____
 Plat _____
 For Division of Oil and Gas Use Only
 Well Work Permit _____ Reclamation Fund _____ WPCP
 Bond _____
 (Type) _____

RECEIVED
Division of Energy
Permitting
Oil and Gas Section

1) Date: SEPTEMBER 7, 1990
2) Operator's well number
PITTS #5 (493-S)
3) API Well No: 47 - 017 -
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 ERMA MABEL PITTS
Address CP STAR ROUTE BOX 171
WEST UNION, WV 26456

(b) Name _____
Address _____

(c) Name _____
Address _____

5) (a) Coal Operator:
Name N/A
Address _____

(b) Coal Owner(s) with Declaration
Name SAME AS SURFACE
Address _____

Name _____
Address _____

(c) Coal Lessee with Declaration
Name N/A
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)

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 STONEWALL GAS COMPANY

OFFICIAL SEAL NOTARY PUBLIC
STATE OF WEST VIRGINIA
DOROTHY QUEEN
POST OFFICE DRAWER R
JANE LEW, WV 26378

By: Jane Lew PRESIDENT
Its: PO DRAWER R
Address JANE LEW, WV 26378
Telephone 304-884-7881

Subscribed and sworn to before me this 7TH day of SEPTEMBER, 19 90

Jane Lew Notary Public
My commission expires MARCH 14, 2000

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

1) Well Operator: STONEWALL GAS COMPANY (3) 610
 2) Operator's Well Number: PITTS #5 (493-S)
 3) Elevation: 1108

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

5) Proposed Target Formation(s): Keener
 6) Proposed Total Depth: 2034-2052 feet Original TD. 530'
 7) Approximate fresh water strata depths: 65'
 8) Approximate salt water depths: 438', 1050', 1875' Reported
 9) Approximate coal seam depths: 243', 501' on wellhead

10) Does land contain coal seams tributary to active mine? Yes No
 11) Proposed Well Work: PERF KEENER 2034-2052 WITH 72 HOLES. CLEAN PERFS WITH 750 GALS OF 15% HCL. RUN 2 3/8" TUBING AND PACKER TO 4400 TO ISOLATE UPPER 12) AND LOWER ZONES. KEENER TO BE USED BY EQUITRANS IN STORAGE FIELD CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS	
	Size	Grade	Weight per ft.	For drilling	Left in well
Conductor					Fill - placed
Fresh Water	1 3/4"		27*	127'	Casing from well head
Coal					20 SKS.
Intermediate	2 3/8"		20*	1284'	300 SKS
Production	4 1/2"		10.5**	5150'	720 SKS
Tubing	2 3/8"	J55	4.6	0	4400
Liners					0

PACKERS : Kind _____ Sizes _____ Depths set _____
 CEMENT

636 Fee(s) paid: 100 For Division of Oil and Gas Use Only
 Plat 100 WW-9 100 Bond CD Blanket Reclamation Fund 100 WPCP Agent

MAY 21 03

Attachment to :
FORM WW-2B

Permitting
Office of Oil & Gas

Page ____ of ____

Well Operator: Stonewall Gas Company

Operator Well No. : Pitts #5 (493-S)

File Number : 47 - 017 - 3853

11.) Proposed well work :

- Pitts #5 well will have a plug set just above the Balltown formation (approximately 3900 feet). Next fresh water will be added to the well to approximately 2000 feet, followed by a 15% HCl acid solution of 750 gallons , followed by more water treated with clay stabilizers to fill the well. Once the well is full, a cement bond log will be run. Next the Keener formation will be perforated from 2034 - 2052 with 72 holes, and the acid pumped into the perforated zone. The well will then be cleaned out to the plug. Once the well is cleaned up and the packer drilled out, 2 3/8" tubing with a tubing packer will be run to 3900' to isolate the Keener from the lower formations. The Keener is to be used by Equitrans in their storage field operations.

13674

RECEIVED
Division of
Environmental Protection

WV 0 5 92

Permitting
Office of Oil & Gas

- 1) Date: APRIL 27, 1992
- 2) Operator's well number
PITTS #5 (493-S)
- 3) API Well No: 47 - 017 - 3853-REWORK
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 STEPHEN B. PITTS
Address CP STAR ROUTE BOX 171
WEST UNION, WV 26456

(b) Name _____
Address _____

(c) Name _____
Address _____

6) Inspector MIKE UNDERWOOD
Address RT 2 BOX 135
SALEM, WV 26426
Telephone (304)- 782-1043

5) (a) Coal Operator:

Name N/A
Address _____

(b) Coal Owner(s) with Declaration
Name SAME AS SURFACE
Address _____

Name _____
Address _____

(c) Coal Lessee with Declaration
Name N/A
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 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 am 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 STONEWALL GAS COMPANY

OFFICIAL SEAL NOTARY PUBLIC
STATE OF WEST VIRGINIA
DOROTHY CLEEN
POST OFFICE DRAWER R
JANE LEW, WV 26373
My Commission Expires After 14, 2000

by: Jane Lew
Title: PRESIDENT
Address PO DRAWER R
JANE LEW, WV 26378

subscribed and sworn before me this 27TH day of APRIL, 1992

Dorothy Cleen
Notary Public

MARCH 14 2000

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

Permitting Office of Oil & Gas
Well Operator: STONEWALL GAS COMPANY (11550) (3) 67c

Operator's Well Number: PITTS #5 (493-S) Elevation: 1108

Well type: (a) Oil ___ or Gas X *Drilled 11/13/95*

(b) If Gas: Production X / Underground Storage Shallow / Deep ___ *Expires 11/13/97*

Proposed Target Formation(s): Keener ³⁵⁵

Proposed Total Depth: 2034-2062 feet Original TD. 5300

Approximate fresh water strata depths: 65

Approximate salt water depths: 438, 1050, 1875 *Report*

Approximate coal seam depths: 243, 501 *on well pad*

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

1) Proposed Well Work: PERF KEENER 2034-2052 WITH 72 HOLES. CLEAN PERFS WITH 750 GALS OF 15% HCL. RUN 2 3/8" TUBING AND PACKER TO 4400 TO ISOLATE UPPER AND LOWER ZONES. KEENER TO BE USED BY EQUITRANS IN STORAGE FIELD CASING AND TUBING PROGRAM

TYPE See attached SPECIFICATIONS See attached well FOOTAGE INTERVALS Cement

Conductor	Size	Grade	Weight per ft.	For drilling	Left in well	Fill
fresh Water	1 3/4"		27*	127'	127'	Fill - <u>gravel</u>
coal						<u>gravel from well pad</u>
intermediate	2 3/8"		20*	1284'	1284'	70 SKS.
production	4 1/2"		10.5**	5150'	5150'	300 SKS
tubing	2 3/8"	J55	4.6	0	4400	720 SKS
liners						0

PACKERS : Kind _____ Sizes _____ Depths set _____

For Division of Oil and Gas Use Only
Fee(s) paid: 39 Well Work Permit 39 Reclamation Fund 39 WPCP
Plat 1 WW-9 39 Bond CD Blue Act Agent

1) Date: OCTOBER 12, 1995
2) Operator's well number
PITTS #5 (493-S)
3) API Well No: 47 - 17 - 03853-V
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 WARREN PUTNAM
Address HC 67, BOX 171
WEST UNION, WV 26456

(b) Name _____
Address _____

(c) Name _____
Address _____

5) (a) Coal Operator:
Name N/A
Address _____

(b) Coal Owner(s) with Declaration
Name SAME AS SURFACE
Address _____

Name _____
Address _____

6) Inspector MIKE UNDERWOOD
Address RT 2 BOX 135
SALEM, WV 26426
Telephone (304) - 782-1043

(c) Coal Lessee with Declaration
Name N/A
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 X 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

JOHN HASKINS

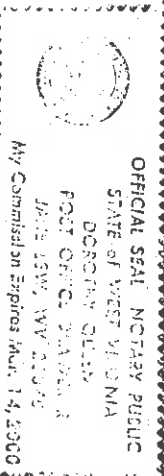
BY: _____
VICE PRESIDENT

Address PO DRAWER R
JANE LEW, WV 26378

Telephone 304-884-7881

Subscribed and sworn before me this 19th day of October, 1995

Notary Public



Notary Public
My commission expires April 14, 2000