

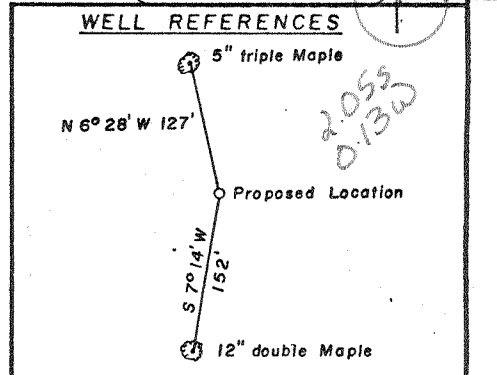
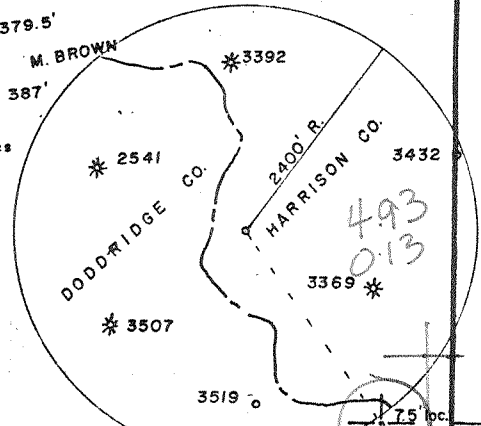
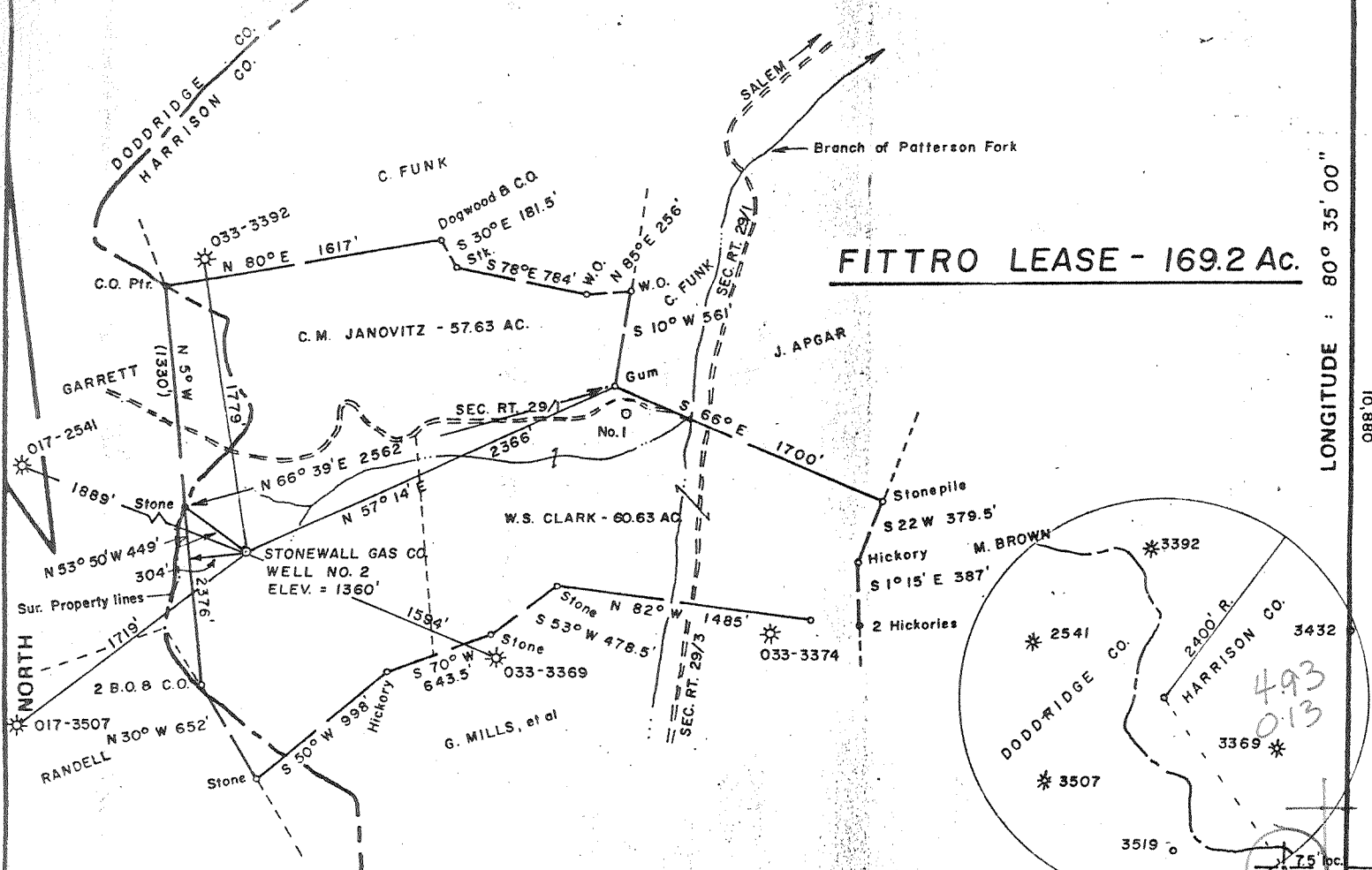
Janie 7/20/80

20

720'

LATITUDE : 39° 17' 30"

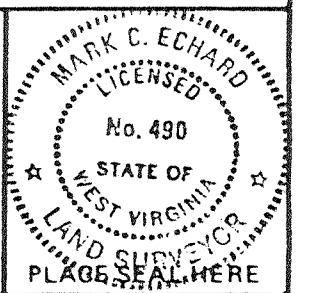
LONGITUDE : 80° 35' 00"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION Spot Elev. in Road at Top of Hill, Elev = 1312'

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 MINES.

Mark C. Echard
 (SIGNED) MARK C. ECHARD
 R.P.E. _____ L.L.S. 490



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE OCTOBER 15, 1987
 OPERATOR'S WELL NO. FITTRO No. 2
 API WELL NO. 47 - 033 - 3541
 STATE 47 COUNTY 033 PERMIT 3541

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION ELEVATION 1360' WATER SHED PATTERSON FORK
 DISTRICT TENMILE 9 COUNTY HARRISON
 QUADRANGLE SALEM 75' 596 0228 Centerpoint SC
 SURFACE OWNER C.E. PLAUGHER ACREAGE 48.61
 OIL & GAS ROYALTY OWNER SILAS FITTRO HEIRS LEASE ACREAGE 169.2
 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 5850'
 WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT CHARLES CANFIELD
 ADDRESS PO DRAWER R JANE LEW, WV. 26378-0080 ADDRESS PO DRAWER R JANE LEW, WV. 26378-0080

AUG 5 - 1988

6-6 Salem (102)

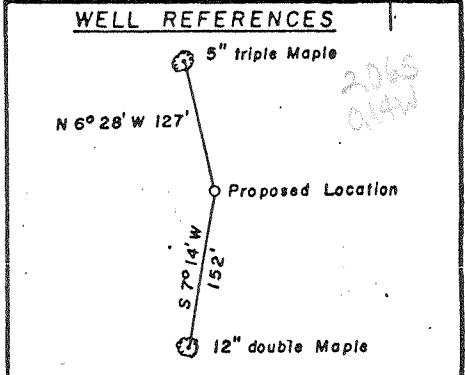
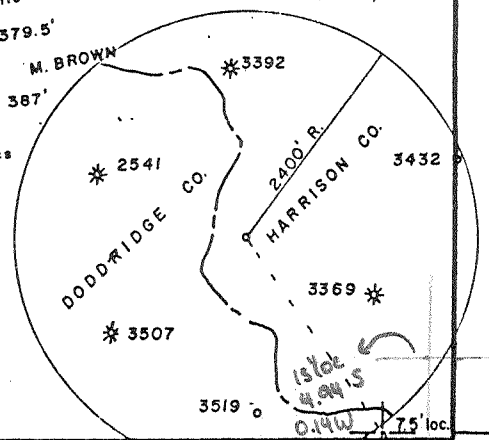
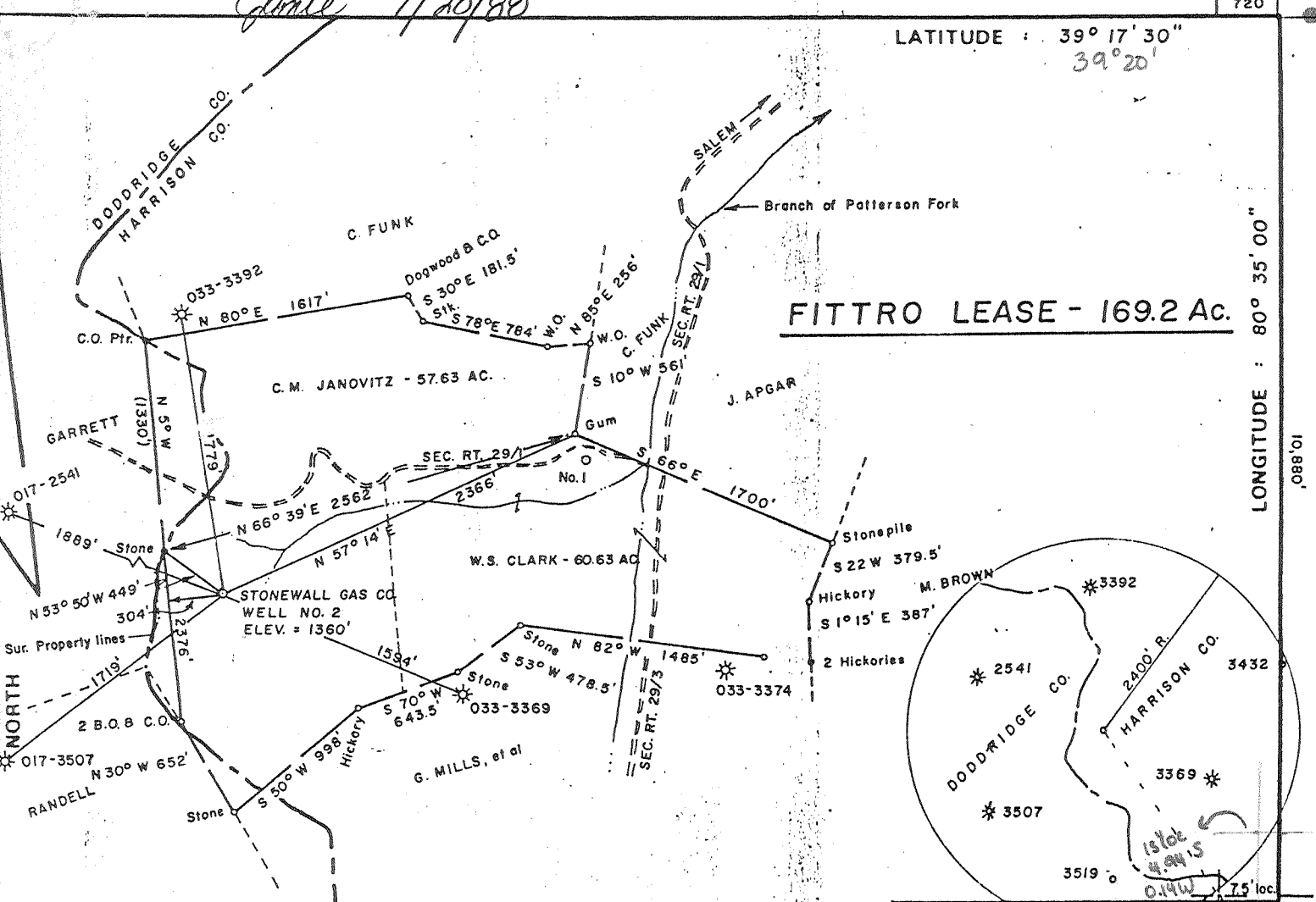
Janie 7/20/88

LATITUDE : 39° 17' 30"
39° 20'

720'

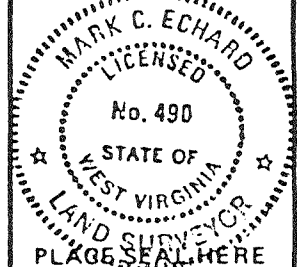
LONGITUDE : 80° 35' 00"

FITTRO LEASE - 169.2 Ac.



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION Spot Elev. in Road at Top of Hill, Elev. = 1312'

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 MINES.
 (SIGNED) Mark C. Echard
 MARK C. ECHARD
 R.P.E. _____ L.L.S. 490



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE OCTOBER 15, 1987
 OPERATOR'S WELL NO. FITTRO No. 2
 API WELL NO. 47 - 033 - 3541
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1360' WATER SHED PATTERSON FORK
 DISTRICT TENMILE COUNTY HARRISON
 QUADRANGLE SALEM 75' Centerpoint SC
 SURFACE OWNER C.E. PLAUGHER ACREAGE 48.61
 OIL & GAS ROYALTY OWNER SILAS FITTRO HEIRS LEASE ACREAGE 169.2
 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 5850'
 WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT CHARLES CANFIELD
 ADDRESS P.O. DRAWER R ADDRESS P.O. DRAWER R
JANE LEW, WV. 26378-0080 JANE LEW, WV. 26378-0080



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FEB 06 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia

DEPARTMENT OF ENERGY

Oil and Gas Division

Date JANUARY 10 1989

Operator's

Well No. FITTRO #2 (25

Farm FITTRO #2

API No. 47 -033 -354

033-3541

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas," Production / Underground Storage / Deep / Shallow

LOCATION: Elevation: 1360 Watershed PATTERSON FORK
District: TENMILE County HARRISON Quadrangle SALEM 7.5'

COMPANY STONEWALL GAS COMPANY
ADDRESS PO DRAWER R, JANE LEW, WV 26378-0088
DESIGNATED AGENT CHARLES W. CANFIELD
ADDRESS PO DRAWER R, JANE LEW, WV 26378-0088
SURFACE OWNER CECIL PLAUGHER
ADDRESS PATTERSON STREET, SALEM, WV 26426
MINERAL RIGHTS OWNER PHYLLIS C. MORRISON
ADDRESS 1019 LAKEVIEW DR., PARKERSBURG, WV
OIL AND GAS INSPECTOR FOR THIS WORK STEVE CASEY
ADDRESS RT 2, JANE LEW, WV
PERMIT ISSUED AUGUST 3, 1988
DRILLING COMMENCED DECEMBER 29, 1988
DRILLING COMPLETED JANUARY 6, 1989

Casing Tubing Size	Used in Drilling	Left in Well	Cement fill up Cu. ft
20-16 Cond.			
11 3/4" 13-10"	174	174	110
9 5/8"			
8 5/8"	1664	1664	350
7"			
5 1/2"			
4 1/2"	5875	5875	590
3"			
2"			
Linars used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

GEOLOGICAL TARGET FORMATION ALEXANDER Depth 5850 feet
Depth of completed well 5875 feet Rotary / Cable Tools
Water strata depth: Fresh 110 feet; Salt 1570 feet
Coal seam depths: 308-315 Is coal being mined in the area?

OPEN FLOW DATA
Producing formation ALEXANDER Pay zone depth 5726 feet
Gas: Initial open flow 72 Mcf/d Oil: Initial open flow N/A Ebl.
Final open flow 750 Mcf/d Oil: Final open flow N/A Ebl.
Time of open flow between initial and final tests 72 hours
Static rock pressure 1900 psig (surface measurement) after 124 hours shut (If applicable due to multiple completion--)
Second producing formation BENSON Pay zone depth 5360 feet
Gas: Initial open flow 150 Mcf/d Oil: Initial open flow N/A Ebl.
Final open flow 750 Mcf/d Oil: Final open flow N/A Ebl.
Time of open flow between initial and final tests 72 hours
Static rock pressure 1900 psig (surface measurement) after 124 hours shut

2/14/89

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

FRAC-2 ZONE 1-11-89

PERFS	HOLES	BBL	SAND	BD	ISIP
ALEXANDER 5622-5742	16	800	70,000	2023	1939
BENSON 5360-5372	24	800	70,000	1930	1850

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fres and salt water, coal, oil and ga
SUB			0	10	
SHALE	GRAY	SOFT	10	25	
RED ROCK & SHALE			25	73	GAS CK @ 2581 NO SHOW
COAL	BLK	SOFT	73	77	
SHALE	GRAY	MED	77	119	GAS CK @ 3180 NO SHOW
SAND	TAN	MED	119	125	
SHALE & RED ROCK		HARD	125	160	GAS CK @ 4570 NO SHOW
SAND	TAN	MED	160	170	
SHALE	GRAY	SOFT	170	207	CAS CK @ 4978 10/10 1" W/W
SAND	TAN	MED	207	230	
SHALE & RED ROCK		MED	230	475	GAS CK @ 5295 24/10 1" W/W
SAND	TAN	MED	475	540	
SAND & SHALE		MED	540	633	GAS CK @ 5421 24/10 1" W/W
RED ROCK & SHALE		HARD	633	734	
SAND	TAN	MED	734	789	GAS CK @ 5771 42/10 1" W/W
SHALE & RED ROCK		HARD	789	846	
SAND	TAN	MED	846	863	
SHALE & SAND	GRAY	MED	863	914	
SAND	TAN	MED	914	944	
SAND & SHALE	GRAY	MED	944	1083	
SAND	TAN	HARD	1083	1091	
SAND & SHALE	GRAY	HARD	1091	1154	
SAND	TAN	MED	1154	1186	
SAND & SHALE	GRAY	MED	1186	1289	
SAND	TAN	SOFT	1289	1383	
SAND & SHALE	GRAY	MED	1383	1478	
SHALE & RED ROCK	BROWN	MED	1478	1610	
SAND	TAN	SOFT	1610	1660	
SAND & SHALE	GRAY	MED	1660	2366	
LIME & SHALE	GRAY	MED	2366	2406	BIG LIME
LIME & SAND	TAN	MED	2406	2567	BIG INJUN
SAND & SHALE	GRAY	HARD	2567	3060	
SAND	TAN	SOFT	3060	3100	GORDON
SAND & SHALE	GRAY	MED	3100	5353	BALLTOWN
BROWN SAND & SHALE		MED	5353	5390	BENSON
SAND & SHALE	GRAY	MED	5390	5616	
BROWN SAND & SHALE	BRN	MED	5616	5742	ALEXANDER
SAND & SHALE	GRAY	MED	5742	5875	
		TD	5875		

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FEB 06 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

STONEWALL GAS COMPANY
Well Operator
By: Benjamin A. Hardesty
Date: BENJAMIN A. HARDESTY, PRESIDENT
1-18-89

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic
detailed geological record of all formations, including
of a well."
7430

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

WELL WORK PERMIT

This permit, issued to STONEWALL GAS CO. is evidence of permission granted to perform the specified well work at the location described on the attached plat, subject to the provisions of Chapters 22 and 22B of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the ___ pages attached hereto. Notification shall be given to the Oil and Gas Inspector STEVE CASEY at 304-745-4888 prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casings. Spills or emergency discharges must be reported to 1-800-642-3074.

Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and in addition may result in civil and/or criminal penalties.

Well work to be conducted under this permit shall be commenced within two (2) years from date of issue.

John H. Johnston
Director, Division of Oil and Gas

By: -----

Title:-----

Operator's Well No: FITTRO 2-251-S

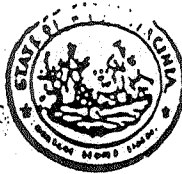
Farm Name: PLAUGHER, CECIL

API Well Number : 47- 33-03541

Date Issued : 08/03/88

Expires two (2) years from issue date.

WR-35



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JAN 23 1989

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date JANUARY 10, 1989
Operator's
Well No. FITTRO #2 (251-
Farm FITTRO #2
API No. 47 -033 -3541

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas," Production / Underground Storage / Deep / Shallow /)

LOCATION: Elevation: 1360 Watershed PATTERSON FORK
District: TENMILE County: HARRISON Quadrangle SALEM 7.5'

COMPANY STONEWALL GAS COMPANY
ADDRESS PO DRAWER R, JANE LEW, WV 26378-008
DESIGNATED AGENT CHARLES W. CANFIELD
ADDRESS PO DRAWER R, JANE LEW, WV 26378-008
SURFACE OWNER CECIL PLAUGHER
ADDRESS PATTERSON STREET, SALEM, WV 26426
MINERAL RIGHTS OWNER PHYLLIS C. MORRISON
ADDRESS 1019 LAKEVIEW DR., PARKERSBURG, WV
OIL AND GAS INSPECTOR FOR THIS WORK STEVE CASEY
ADDRESS RT. 2., JANE LEW, WV
PERMIT ISSUED AUGUST 3, 1988

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
11 3/4 13-10"	174	174	110 S
9 5/8			
8 5/8	1664	1664	350 S
7			
5 1/2			
4 1/2	5875	5875	590 S
3			
2			
Liners used			

DRILLING COMMENCED DECEMBER 29, 1988
DRILLING COMPLETED JANUARY 6, 1989
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

GEOLOGICAL TARGET FORMATION ALEXANDER Depth 5850 feet
Depth of completed well 5875 feet Rotary / Cable Tools
Water strata depth: Fresh 110 feet; Salt 1570 feet
Coal seam depths: 308-315 Is coal being mined in the area? N/A

OPEN FLOW DATA

Producing formation ALEXANDER Pay zone depth 5726 feet
Gas: Initial open flow 72 Mcf/d Oil: Initial open flow N/A Bbl/d
Final open flow 750 Mcf/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 72 hours
Static rock pressure 1900 psig (surface measurement) after 124 hours shut in
(If applicable due to multiple completion--)
Second producing formation BENSON Pay zone depth 5360 feet
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Static rock pressure 1900 psig (surface measurement) after 124 hours shut in

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

PERFS	HOLES	BBL	SAND	BD	ISIP
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SAND	TAN	HARD	1083	1091	
SAND & SHALE	GRAY	HARD	1091	1154	
SAND	TAN	MED	1154	1186	
SAND & SHALE	GRAY	MED	1186	1289	
SAND	TAN	SOFT	1289	1383	
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SAND & SHALE	GRAY	MED	5390	5616	
BROWN SAND & SHALE		BRN MED	5616	5740	ALEXANDER
SAND & SHALE	GRAY	MED	5740		

RECEIVED
JAN 23 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

STONEWALL GAS COMPANY
Well Operator
By: Benjamin A. Hardesty
Date: BENJAMIN A. HARDESTY, PRESIDENT
1-18-89

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including ... of a well."

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JUL 14 1988

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

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date: DECEMBER 1, 1987
Operator's well number FITTRO #2 251-S
API Well No: 47 - 033 - 3541
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 Cecil Plaughter
Address Patterson Street
Salem, WV 26426
(b) Name _____
Address _____
(c) Name _____
Address _____

5) (a) Coal Operator:
Name N/A
Address _____
(b) Coal Owner(s) with Declaration
Name WILLIS TETRICK, ET AL
Address BOX 267
CLARKSBURG, WV 26301
Name _____
Address _____

6) Inspector STEVE CASEY
Address RT 2 JANE LEW, WV 26378
Telephone (304)-884-7470

(c) Coal Lessee with Declaration
Name CHEVRON COAL DEV. CO., LAND DEPT.
Address PO BOX 7147 SAN FRANCISCO, CA
94120-7147 CHEVRON, INC., 1007 MARKET
ST., WILMINGTON, DEL 19898

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 _____ 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 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
By: [Signature]
Its: VICE PRESIDENT
Address PO DRAWER R
JANE LEW, WV 26378-0080
Telephone 304-884-7881

Subscribed and sworn before me this 4TH day of DECEMBER, 1987

[Signature]
My commission expires _____

OCTOBER 14, 1993

XXXXXXXXXXXXX
COMMISSIONER OF
WEST VIRGINIA

033-3541

Bond 8/3/88 Expires 8/3/90

FORM WW-2B

Page ___ of _____

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

- 1) Well Operator: STONEWALL GAS COMPANY 47850, 9, 595
- 2) Operator's Well Number: FITTRO #2 (251-S) 3) Elevation: 1360'
- 4) Well type: (a) Oil / or Gas X/
(b) If Gas: Production X/ Underground Storage /
Deep / Shallow X/
- 5) Proposed Target Formation(s): ALEXANDER
- 6) Proposed Total Depth: 5850 feet
- 7) Approximate fresh water strata depths: 150' 500' 700'
- 8) Approximate salt water depths: 1775'
- 9) Approximate coal seam depths: 535-538, 817-818
- 10) Does land contain coal seams tributary to active mine? Yes / No X/
- 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		42	30	30 <i>cts.</i>	38CSR18-11.3
Fresh Water						
Coal					<i>cts</i>	<i>38CSR18-11.2.2</i>
Intermediate	8 5/8	ERW	23	1660	1660 <i>←</i>	38CSR18-11.3
Production	4 1/2	ERW	10.5	5850	5850 <i>←</i>	38CSR18-11.1
Tubing						
Liners						

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JUL 14 1988

PACKERS : Kind _____
Sizes _____
Depths set _____

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

45-89

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

Plat WW-9 WW-2B Bond 50 Blanket Agent

(Type)