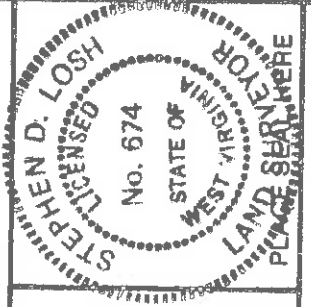


FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION RD. INTER. 1200' S.W. OF LOCATION ELEV. - 974'

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

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) *Stephen D. Losh*
 R.P.E. L.L.S. 674
 STEPHEN D. LOSH



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE MARCH 09, 19 85
 OPERATOR'S WELL NO. GAINER NO. 2
 API WELL NO. 47-017-3460

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION X STORAGE DEEP SHALLOW X
 LOCATION: ELEVATION 1304' WATER SHED BUFFALO CALF FORK
 DISTRICT GREENBRIER 4 COUNTY DODDRIDGE
 QUADRANGLE SALEM 7.5 min. 596
 SURFACE OWNER WALTER S LEONARD DAVIDSON
 OIL & GAS ROYALTY OWNER LAVERNA E. GAINER, HEIRS
 LEASE NO. _____ LEASE ACREAGE 83.61

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 5700'
 WELL OPERATOR STONEWALL GAS COMPANY 847 DESIGNATED AGENT CHARLES CANFIELD
 ADDRESS P.O. DRAWER F ADDRESS P.O. DRAWER F
 BUCKHANNON, WV 26201 6-6 Salem (102) BUCKHANNON, WV 26201

COUNTY NAME PERMIT

AUG 12 1985



DEPARTMENT OF ENERGY

State of West Virginia

DEPARTMENT OF ENERGY

APR 9 1986

Oil and Gas Division

Date APRIL 8, 1986

Operator's

Well No. 285-S

Farm Gainer #2

API No. 47 - 017 - 3460

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1304' Watershed Buffalo Calf Fork
District: Greenbrier County Doddridge Quadrangle Salem 7.5

COMPANY STONEWALL GAS COMPANY

ADDRESS PO DRAWER R, JANE LEW, WV 26378

DESIGNATED AGENT CHARLES W. CANFIELD

ADDRESS PO DRAWER R, JANE LEW, WV 26378

SURFACE OWNER WALTER & LEONARD DAVIDSON

ADDRESS RT 1, SALEM, WV 26426

MINERAL RIGHTS OWNER BLANCHE WILSON ROSS et al

ADDRESS 167 EAST MAIN ST, SALEM, WV 26426

OIL AND GAS INSPECTOR FOR THIS WORK MIKE

UNDERWOOD ADDRESS RT 2, BOX 114, SALEM, WV 26426

PERMIT ISSUED AUGUST 8, 1985

DRILLING COMMENCED JANUARY 27, 1986

DRILLING COMPLETED FEBRUARY 6, 1986

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

Casing Tubing Size	Used in Drilling in Well	Left in Well	Cement fill up Cu. ft.
20-16 Cond.			
4 1/2 - 30#	311	311	165 SKS
9 5/8			
8 5/8	1829	1829	370 SKS
7			
5 1/2			
4 1/2	5845	5845	515 SKS
3			
2		5700	
Liners used			

GEOLOGICAL TARGET FORMATION ALEXANDER Depth 5700 feet

Depth of completed well 5900 feet Rotary X / Cable Tools

Water strata depth: Fresh 73 feet; Salt 1775 feet

Coal seam depths: 1045-55 Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation ALEXANDER Pay zone depth 5700 feet

Gas: Initial open flow NA Mcf/d Oil: Initial open flow NA Bbl/d

Final open flow 933 Mcf/d Final open flow NA Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1700 psig (surface measurement) after 21 hours shut in
DAYS

(If applicable due to multiple completion--)

Second producing formation BENSON Pay zone depth 5325 feet

Gas: Initial open flow NA Mcf/d Oil: Initial open flow NA Bbl/d

Final open flow 933 Mcf/d Oil: Final open flow NA Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1700 psig (surface measurement) after 21 DAYS

(Continue on reverse side)

APR 21 1986

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

FRAC THREE STAGE PERFS	03-03-86 HOLES	BBL	SAND	BD	ISIP
ALEXANDER 5546-5692	22	900	90,000	1900	1850
BENSON 5318-26	10	700	70,000	2050	2000
GORDAN 3034-3148	15	500	50,000	2950	2600

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
FILL	BRN	SOFT	0	5	1/2 STREAM H ₂ O AT 70'
SHALE, RED ROCK	GREY	HARD	5	200	DAMP AT 1785'
SAND & SHALE	BRN	MED	200	2500	
SAND & RED ROCK R.	BRN	MED	2500	2530	
INJUN GORDON	BRN	MED	2530		GAS CK @ 2518 NO SHOW
	BRN	MED	3060		GAS CK @ 3855 22/10 1" H ₂ O
SPEECHLEY	BRN	MED	3800		GAS CK @ 4317 NO SHOW
BALITOWN	BRN	SOFT	4320		
BENSON	BRN	MED	5340		GAS CK @ 5190 20/10 2" H ₂ O
ALEXANDER TD	GREY	HARD	5620		
			5900		
Top Dev			288d		GAS CK @ COLLARS 21/10 2" H ₂ O

(Attach separate sheets as necessary)

STONEMALL GAS COMPANY
 Well Operator
 By: *B. A. Hardesty*
 BENJAMIN A. HARDESTY, VICE PRESIDENT
 Date: APR 11 8 1986

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
 ... encountered in the drilling of a well."

FILE COPY
JUL 18 1986

- 1) Date: July 15, 1985
 2) Operator's Gainer #2 (285-S) Well No.
 3) API Well No. 47-017-3460 State County Permit



STATE OF WEST VIRGINIA
 DEPARTMENT OF ~~MINES, OIL AND GAS~~ DIVISION
ENERGY
 APPLICATION FOR A WELL WORK PERMIT

DEPT. OF MINES

- 4) WELL TYPE: A Oil Gas
 B (If "Gas", Production 1304 Elevation: 1304 Undergrnd storage Buffalo Calf Fork Deep Shallow
 District: Greenbrier (847) County: Doddridge Quadrangle: Salem 7.5
 6) WELL OPERATOR Stonewall Gas Company 7) DESIGNATED AGENT Charles W. Canfield
 Address PO Drawer R 47850 Address PO Draw R
Jane Lew, WV 26378-0080 Address Jane Lew, WV 26378-0080
 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Mike Underwood (782-1043) 9) DRILLING CONTRACTOR:
 Address Rt 2, Box 114 Name S. W. Jack
Salem, WV 26426 Address Buckhannon, WV 26201

- 10) PROPOSED WELL WORK: Drill deeper / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) _____
 11) GEOLOGICAL TARGET FORMATION, Alexander (439)
 12) Estimated depth of completed well, 5700 feet
 13) Approximate traia depths: Fresh, 18, 29, 73 feet; salt, 1775 feet.
 14) Approximate coal seam depths: 1020, 1030 feet. Is coal being mined in the area? Yes No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	For drilling	Left in well		
Conductor	11 3/4			28 300	28 300	To Surface	by rule 15-01
Fresh water							
Coal							
Intermediate	8 5/8			1798	1798	440 sks	Rule 1505
Production	4 1/2			5700	5700	220 sks	Rule 1501
Tubing							
Liners							

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3460 Date August 8 19 85

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.
 Permit expires August 8, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>AWB</u>	Plat: <u>MW</u>	Casing Fee: <u>MW</u>	Fec: <u>2295</u>
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[Signature]
 Director, Division of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.
 See the reverse side of the APPLICANT'S COPY for instructions to the well operator. File



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-017-03460 P WELL NO.: DADI 10941 (GAINER #2)
FARM NAME: LAVERNA E. GAINER HEIRS
RESPONSIBLE PARTY NAME: DOMINION APPALACHIAN DEVELOPMENT, INC.
COUNTY: DODDRIDGE DISTRICT: GREENBRIER
QUADRANGLE: SALEM - 7.5 MIN.
SURFACE OWNER: WALTER & LEONARD DAVIDSON - RT. 1, BOX 287 SALEM, WV 26426
ROYALTY OWNER: LAVERNA E. GAINER HEIRS
UTM GPS NORTHING: 4,346,236.10 METERS
UTM GPS EASTING: 534,685.47 METERS GPS ELEVATION: 391.55 METERS

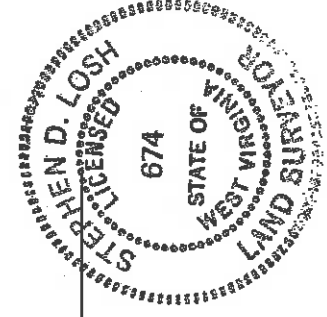
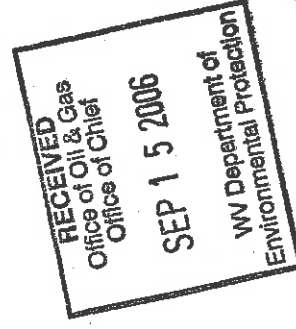
The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters Altitude: Height above mean sea level (MSL) - meters
2. Accuracy to Datum - 3.05 meters
3. Data Collection Method: Survey Grade GPS ___ : Post Processed Differential ___ Real-Time Differential ___
Mapping Grade GPS X : Post Processed Differential ___ Real-Time Differential X

I the undersigned hereby state this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulation issued and prescribed by the Office of Oil and Gas.

Signature Stephen D. Losh, PS #674 Title WV Professional Surveyor #674

Date 06/26/06



SEP 29 2006

Dodd 3460 P

