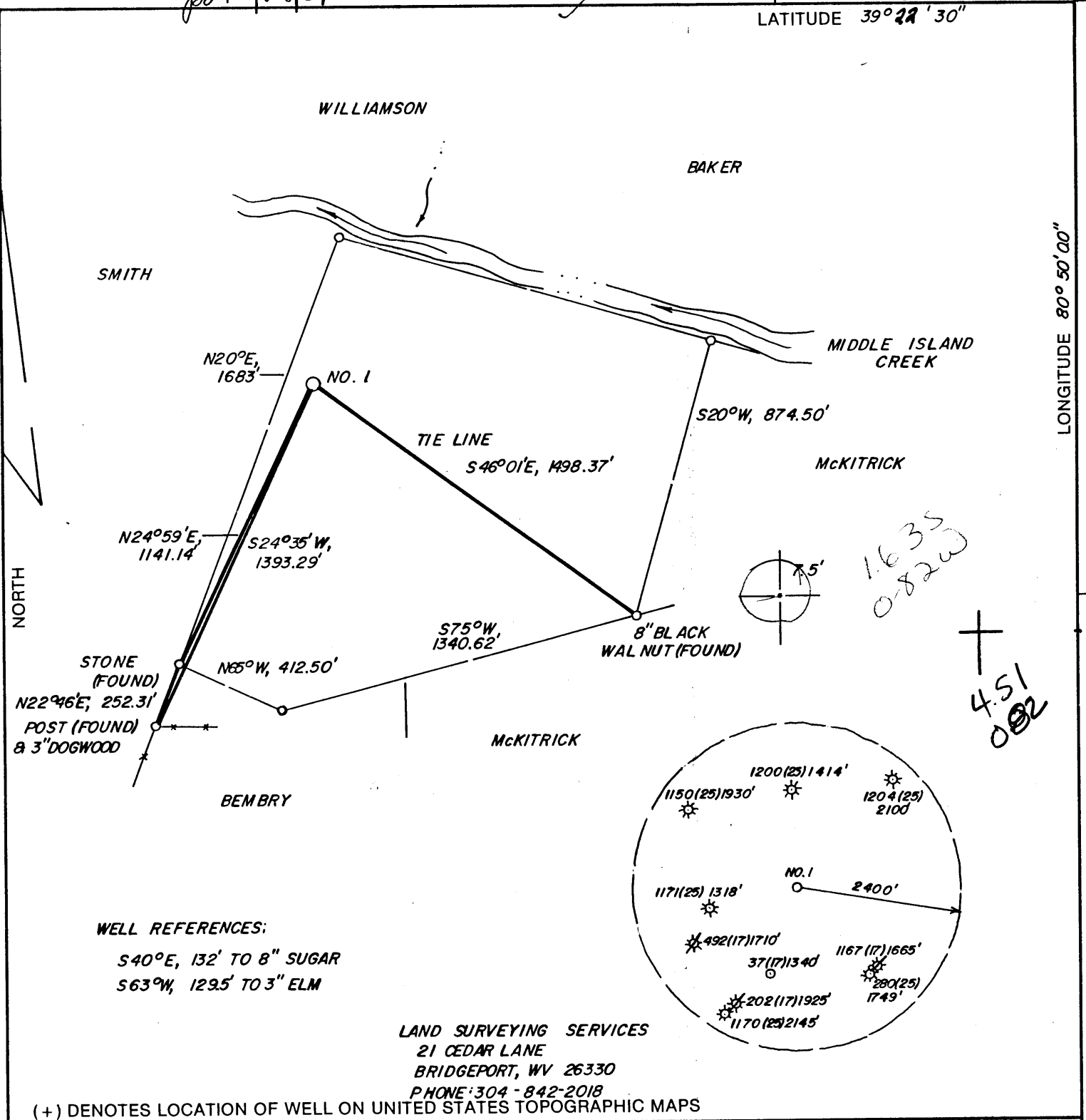


8812/28/01

LATITUDE 39° 28' 30"

254380



WELL REFERENCES:  
 S40°E, 132' TO 8" SUGAR  
 S63°W, 129.5' TO 3" ELM

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 WELL 1171(25) 1318'  
 SW. OF LOC. AT ELEV. 948'

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) *Stephen D. Losh*  
 R.P.E. \_\_\_\_\_ L.L.S. NO. 674  
 STEPHEN D. LOSH

STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION  
 LICENSE NO. 674  
 PLACE SEAL HERE

STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION



DATE NOV. 23, 1987  
 OPERATOR'S WELL NO. JENKINS 1  
 API WELL NO.

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
 LOCATION: ELEVATION 850' WATERSHED MIDDLE ISLAND CREEK  
 DISTRICT CENTERVILLE COUNTY TYLER  
 QUADRANGLE WEST UNION 7.5' 671 1335 15' 0  
 SURFACE OWNER JAMES E. JENKINS, HRS. ACREAGE 46.42  
 OIL & GAS ROYALTY OWNER JAMES ELLIS JENKINS HRS. LEASE ACREAGE 46.42  
 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 BENSON ESTIMATED DEPTH 5200'  
 WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT CHARLES CANFIELD  
 ADDRESS P.O. DRAWER R ADDRESS P.O. DRAWER R  
 JANE LEW, WV 26378-0080 847 JANE LEW, WV 26378-0080

JAN 4 1988

64 Wilbur (92)

FORM WW-6 H.T. HALL 48673

LONGITUDE 80° 05' 00"

COUNTY NAME

PERMIT



WR-35

Date NOVEMBER 11, 1988  
Operator's JENKINS  
Well No. JENKINS #1 334-S  
Farm JENKINS  
API No. 47 - 095 - 1223

State of West Virginia  
DEPARTMENT OF ENERGY  
Oil and Gas Division

WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 850 Watershed MIDDLE ISLAND CREEK  
District: CENTERVILLE County TYLER Quadrangle WEST UNION 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 JAMES JENKINS HEIRS  
C/O CARL JENKINS

ADDRESS RT1, BOX 482 NEW CUMBERLAND, WV

MINERAL RIGHTS OWNER 26047

ADDRESS \_\_\_\_\_

OIL AND GAS INSPECTOR FOR THIS WORK ROBERT

LOWTHER ADDRESS MIDDLEBOURNE, WV

PERMIT ISSUED DECEMBER 29, 1987 <sup>26149</sup>

DRILLING COMMENCED 10-25-88

DRILLING COMPLETED 10-31-88

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

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	131	131	80 SKS
9 5/8			
8 5/8	1199	1199	290 SKS
7			
5 1/2			
4 1/2	4883	4883	420 SKS
3			
2			
Liners used	NOV 28 1988 DIVISION OF OIL & GAS DEPARTMENT OF ENERGY		

GEOLOGICAL TARGET FORMATION BENSON Depth 5200 feet

Depth of completed well 4954 feet Rotary X / Cable Tools \_\_\_\_\_

Water strata depth: Fresh 40 feet; Salt \_\_\_\_\_ feet

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

OPEN FLOW DATA

Producing formation BENSON Pay zone depth 4749 feet

Gas: Initial open flow 21 Mcf/d Oil: Initial open flow N/A Bbl/d

Final open flow 855 Mcf/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests 144 hours

Static rock pressure 1500 psig (surface measurement) after 144 hours shut in  
(If applicable due to multiple completion--)

Second producing formation RILEY Pay zone depth 4315 feet

Gas: Initial open flow 33 Mcf/d Oil: Initial open flow N/A Bbl/d

Final open flow 855 Mcf/d Oil: Final open flow N/A Bbl/d

Time of open flow between initial and final tests 240 hours

Static rock pressure 1500 psig (surface measurement) after 144 hours shut in

DEC 2 1988  
(Continue on reverse side)

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

FRAC 11-07-88

BENSON

4751-4756 3 HOLES/FT

20,000 # (80-100 SAND)  
50,000 # (20-210 SAND)

700 BBLS 30# GEL WATER

RILEY

4337-4374 2 HOLES/FT

20,000 # (80-100)  
40,000 # (20-40)

700 BBLS 30# GEL WATER

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WELL LOG

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
KB TO GL	BROWN	SOFT	0	8	
CLAY	RED	SOFT	8	12	
SHALE	GRAY	SOFT	12	20	
RED ROCK	RED	"	20	40	
SHALE	GRAY	"	40	82	
RED ROCK	RED	"	82	85	
SHALE	GRAY	"	85	98	GAS CK @ 176 NO SHOW
RED ROCK	RED	"	98	117	
SAND & SHALE	LT GARY	HARD	117	139	GAS CK @ 2155 12/10 1" H <sub>2</sub> O
RED ROCK	RED	SOFT	139	146	
SAND	WHITE	HARD	146	149	GAS CK @ 2521 NO SHOW
RED ROCK	RED	SOFT	149	200	
SAND & SHALE	GRAY	MED	200	484	GAS CK @ 4460 8/10 1" H <sub>2</sub> O
COAL	BLACK	SOFT	484	490	
LIME	GRAY	HARD	490	504	GAS CK @ 4799 10/10 1" H <sub>2</sub> O
SHALE	GRAY	SOFT	504	594	
RED ROCK	RED	"	594	625	GAS CK TD 4/10 1" H <sub>2</sub> O
SHALE	GRAY	"	625	687	
RED ROCK	RED	"	687	720	GAS CK @ COLLARS 4/10 1" H <sub>2</sub> O
SHALE	GRAY	"	720	1230	
SANDY SHALE	GRAY	MED	1230	1293	
SALT SAND	WHITE	HARD	1293	1374	LOG TOPS
SAND & SHALE	GRAY	SOFT	1374	1708	
LIME	GRAY	HARD	1708	1770	BIG LIME 1710
INJUN	GRAY	HARD	1770	1895	BIG INJUN 1766
HALE	GRAY	SOFT	1895	2027	
EIR	GRAY	SOFT	2027	2173	WEIR 2035
AND & SHALE	GRAY	SOFT	2173	2500	
ORDON	GRAY	SOFT	2500	2520	BEREA 2254
AND & SHALE	GRAY	SOFT	2520	4292	
ILEY	GRAY	SOFT	4292	4356	RILEY: 4315
AND & SHALE	GRAY	SOFT	4356	4749	
BENSON	GRAY	SOFT	4749	4768	BENSON 4749
HALE	GRAY	SOFT	4768	4954	
D			4954		

(Attach separate sheets as necessary)

STONEWALL GAS COMPANY

Well Operator

By: Benjamin A. Hardesty  
Date: BENJAMIN A. HARDESTY, VICE PRESIDENT

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."

1988  
DEC 2 1988

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

- 1) Well Operator: STONEWALL GAS COMPANY 47850, 1, 670
- 2) Operator's Well Number: JENKINS #1 334-S 3) Elevation: 850'
- 4) Well type: (a) Oil \_\_\_ / or Gas X /  
(b) If Gas: Production X / Underground Storage \_\_\_ /  
Deep \_\_\_ / Shallow X /
- 5) Proposed Target Formation(s): BENSON
- 6) Proposed Total Depth: 5200 feet
- 7) Approximate fresh water strata depths: 30', 150', 110'
- 8) Approximate salt water depths: N/A 1770'
- 9) Approximate coal seam depths: N/A correct  
*From TVLr 867, 492, 1150, 1160, 1171*
- 10) Does land contain coal seams tributary to active mine? Yes \_\_\_ / No X /
- 11) Proposed Well Work:
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT Fill-up (cu. ft.)
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11 3/4		42	30	30 <i>cts</i>	38CSR18-11 3
Fresh Water						
Coal						
Intermediate	8 5/8	ERW	23	1150	1150 <i>cts</i>	38CSR18-11 3
Production	4 1/2	ERW	10.5	5200	5200	38CSR18-11 1
Tubing						
Liners						

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DEC 10 1987

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

For Division of Oil and Gas Use Only

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

475  
4181  
840

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

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

1) Date: DECEMBER 4, 1987  
2) Operator's well number  
JENKINS #1 334-S  
3) API Well No: 47 - 095 -  
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 JAMES E. JENKINS HEIRS  
 Address C/O CARL JENKINS  
RT 1, BOX 482, NEW CUMBERLAND, WV  
 (b) Name 26047  
 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 ROBERT LOWTHER  
 Address GENERAL DELIVERY  
MIDDLEBOURNE, WV 26149  
 Telephone (304)-758-4764

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: Benji G. Staudt

Its: VICE PRESIDENT

Address PO DRAWER R

JANE LEW, WV 26378-0080

Telephone 304-884-7881

Subscribed and sworn before me this 4 day of DECEMBER, 19 87

Richard K. Edmister

My commission expires OCTOBER 14, 1993

XXXXXXXXXXXX  
COMMISSIONER OF WV