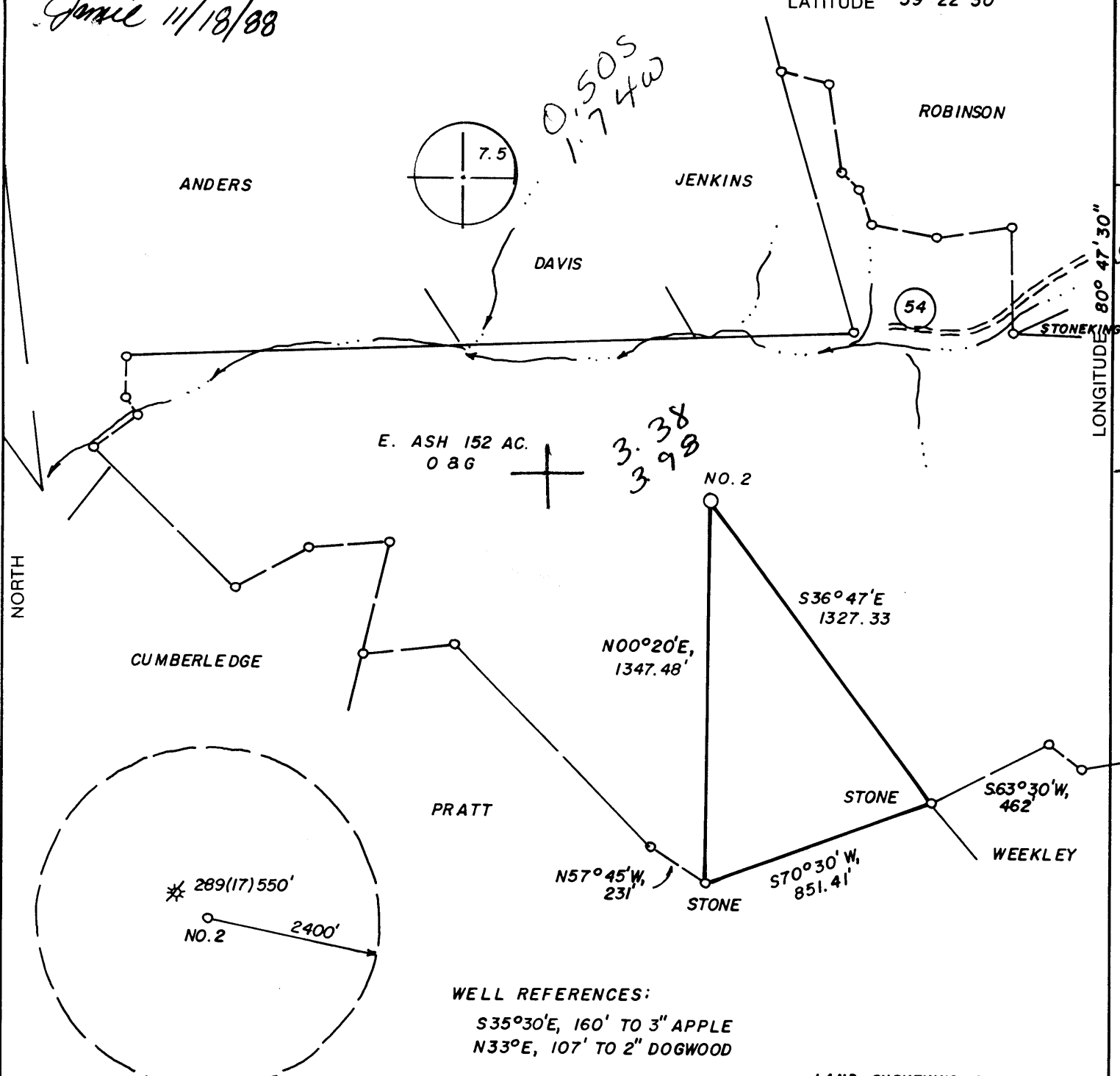


Janice 11/18/88

9240' 25
LATITUDE 39°22'30"



E. ASH 152 AC.
O & G

0.505
1.74W
3.38
3.98

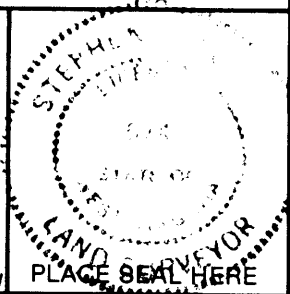
WELL REFERENCES:
S35°30'E, 160' TO 3" APPLE
N33°E, 107' TO 2" DOGWOOD

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 ROAD INT. 6610' SE OF LOC. AT ELEV. 834'

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



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE MAY 26, 19 88
OPERATOR'S WELL NO. ASH NO. 2
API WELL NO. _____

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

LOCATION: ELEVATION 1014' WATERSHED CAMP MISTAKE RUN
DISTRICT CENTERVILLE 1 COUNTY TYLER
QUADRANGLE WEST UNION 7.5' 671 1336 ±15' EC

SURFACE OWNER NORMAN E. PETER ACREAGE 113.40
OIL & GAS ROYALTY OWNER HENRY L. & Wm. H. ASH Hrs. LEASE ACREAGE 150
LEASE NO. _____

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 5300'

WELL OPERATOR STONEWALL GAS CO. 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

DEC 2 1988

6-6 Wilbur (092)

H.T. HALL 48673 FORM WW-6

COUNTY NAME PERMIT

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

Well Operator's Report of Well Work

Farm name: PETER, NORMAN E. Operator Well No.: ASH 2- 383-S

LOCATION: Elevation: 1014.00 Quadrangle: WEST UNION

District: CENTERVILLE County: TYLER
Latitude: 2710 Feet South of 39 Des. 22Min. 30 Sec.
Longitude 9240 Feet West of 80 Des. 47 Min. 30 Sec.

Company: STONEWALL GAS CO.

P. O. BOX 1575
RICHMOND, VA

Agent: CHARLES W. CANFIELD

Inspector: GLEN P. ROBINSON

Permit Issued: 12/01/88

Well work Commenced: 01-20-89

Well work Completed: 01-26-89

Verbal Plugging

Permission granted on:

Rotary Cable _____ Ris _____

Total Depth (feet) 5200

Fresh water depths (ft) 97

Salt water depths (ft) 1050

Is coal being mined in area (Y/N)? N

Coal Depths (ft): NA

OPEN FLOW DATA

Producing formation BENSON Pay zone depth (ft) 4920
Gas: Initial open flow 100 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 1034 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 1 Hours
Static rock Pressure 1460 psis (surface pressure) after 48 Hours

Second producing formation RILEY Pay zone depth (ft) 4500
Gas: Initial open flow 50 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 1034 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 1 Hours
Static rock Pressure 1460 psis (surface pressure) after 48 Hours

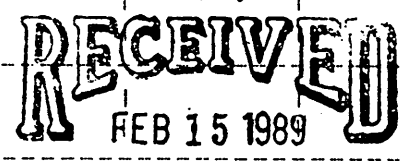
NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: STONEWALL GAS CO.

FEB 17 1989

By: Ray A. Hunt, President
Date: FEBRUARY 13, 1989

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Cu. Ft.
11 3/4	130	130	75 SKS
8 5/8	1198	1198	310 SKS
4 1/2	5132	5132	660 SKS



DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

FRAC DATE 01/31/89 STAGES TWO

PERFS	HOLES	BBL	SAND	BD	ISIP
BENSON 4920-24	16	600	50,000	2070	1310
RILEY 4502-08	18	800	70,000	1910	1560

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
FILL	RED	SOFT	0	15	HOLE WET 500' 1/2"
SHALE/RR	RED	SOFT	15	85	
SAND, SHALE, RR	RED	SOFT	85	475	GAS @ 2004 20/10 1" H ₂ O
SAND/SHALE	GRAY	SOFT	475	1900	
BIG LIME	WHITE	HARD	1900	2010	GAS @ 3112 18/10 1" H ₂ O
BIG INJUN	WHITE	HARD	2010	2110	
SAND/SHALE	GRAY	SOFT	2110	2670	GAS @ 4005 8/10 1" H ₂ O
GORDON	GRAY	SOFT	2670	2730	
SAND/SHALE	GRAY	SOFT	2730	4500	GAS @ 4528 18/10 1" H ₂ O
RILEY	BROWN	SOFT	4500	4590	
SAND/SHALE	GRAY	SOFT	4590	4920	GAS @ 5200 20/10 1" H ₂ O
BENSON	BROWN	HARD	4920	5040	
	TD			5200	

RECEIVED
FEB 15 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

4867

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

- 1) Well Operator: STONEWALL GAS COMPANY 47850, 1, 070
- 2) Operator's Well Number: ASH #2 383-S 3) Elevation: 1100'
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): BENSON
- 6) Proposed Total Depth: 5100' feet
- 7) Approximate fresh water strata depths: OK 80' 120'
- 8) Approximate salt water depths: OK 1230'
- 9) Approximate coal seam depths: OK NA possibly @ 606'-609'
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 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.)
<u>OK RAL</u> Conductor	11 3/4	ERW	42#	150'	<u>CS</u> 150'	38 CSR 18-11.3
Fresh Water						
Coal						<u>38CSR-18-112.2</u>
Intermediate	8 5/8	ERW	23#	1275'	<u>CS</u> 1275'	38 CSR 18-11.3
Production	4 1/2	ERW	10.5#	5050'	5050'	38 CSR 18-11.1
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

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 NOV 15 1988

For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond 5 Blanket Agent

(Type)

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NOV 15 1988

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date: OCTOBER 10, 1988
Operator's well number
ASH #2 (383-S)
API Well No: 47 - 095 - 1272
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 NORMAN E. PETER
 - Address HCR 74 BOX 31
WILBUR, WV 26320
 - (b) Name _____
 - Address _____
 - (c) Name _____
 - Address _____
- 5) (a) Coal Operator:
- Name N/A
 - Address _____
 - (b) Coal Owner(s) with Declaration
 - Name SEE ATTACHED
 - Address _____
 - Name _____
 - Address _____
 - (c) Coal Lessee with Declaration
 - Name N/A
 - Address _____
- 6) Inspector GLEN P. ROBINSON
- Address RT 1, #6 MT. PLEASANT EST.
MINERAL WELLS, WV 26150
 - Telephone (304)-489-9162

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: PRESIDENT

Address PO DRAWER R
JANE LEW, WV 26378-0080

Telephone 304-884-7881

Subscribed and sworn before me this 10TH day of NOVEMBER, 19 88

Richard K. Edwards
My commission expires

OCTOBER 14, 1993

~~XXXXXXXXXXXX~~
COMMISSIONER