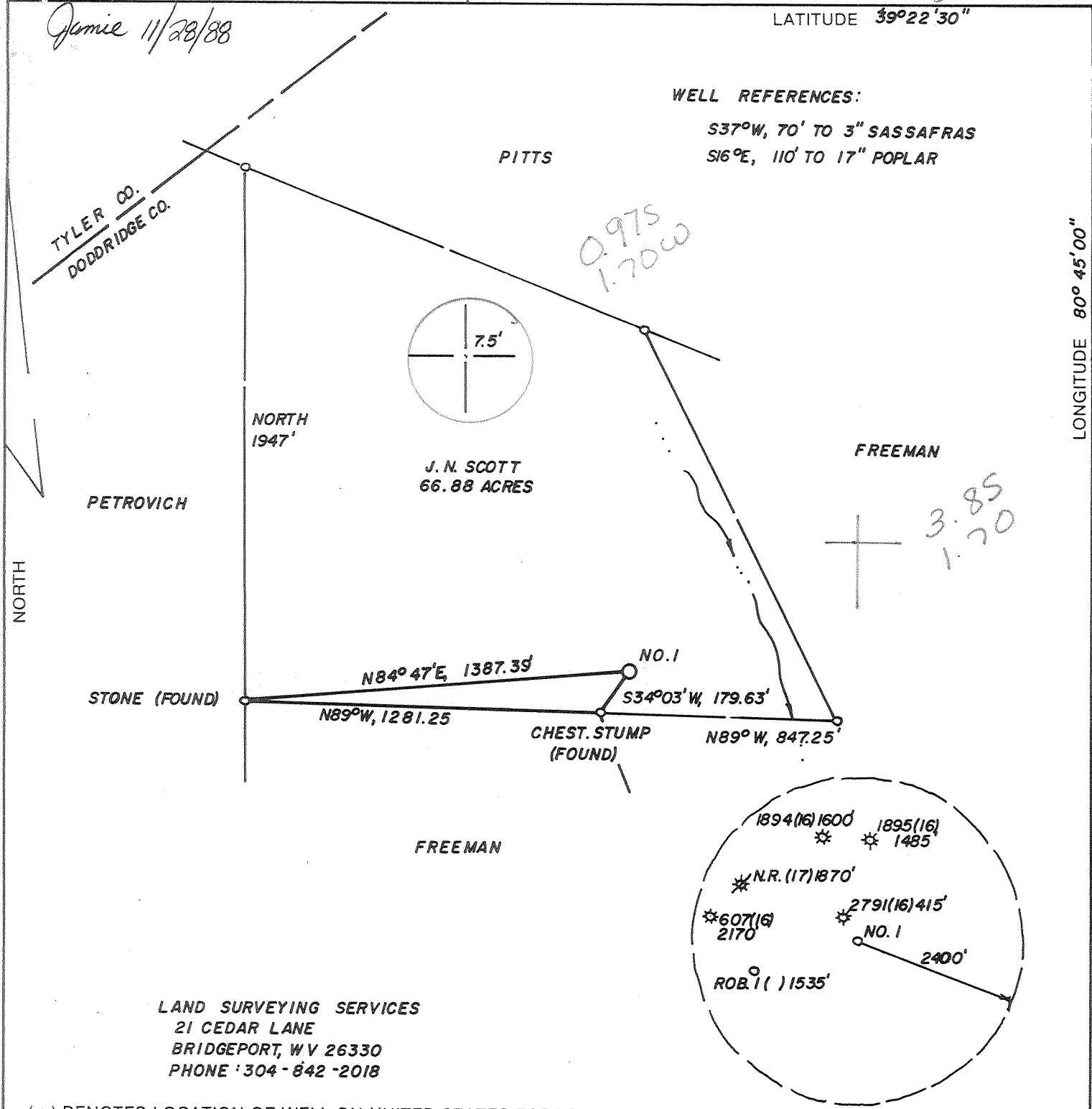


9085' 28
 LATITUDE 39°22'30"

Jamie 11/28/88

WELL REFERENCES:
 S37°W, 70' TO 3" SASSAFRAS
 S16°E, 110' TO 17" POPLAR



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 3070' NE. OF LOCATION 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) [Signature]
 R.P.E. _____ L.L.S. NO 674
STEPHEN D. LOSH

STEPHEN D. LOSH
 LICENSED SURVEYOR
 674
 STATE OF WEST VIRGINIA
 PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE JULY 18, 19 88
 OPERATOR'S WELL NO. SCOTT 1
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1204' WATER SHED CAMP MISTAKE RUN
 DISTRICT WEST UNION COUNTY DODDRIDGE
 QUADRANGLE WEST UNION 7.5' 671 1336 +15' EC
 SURFACE OWNER EDWIN R. BODE ACREAGE 66.88
 OIL & GAS ROYALTY OWNER J. N. SCOTT, HRS. LEASE ACREAGE 66.88
 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 5500'
 WELL OPERATOR STONEWALL GAS CO. DESIGNATED AGENT CHARLES CANFIELD
 ADDRESS P. O. DRAWER R ADDRESS P. O. DRAWER R
JANE LEW, WV 26378-0080 845 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: BODE, EDWIN F. Operator Well No.: SCOTT 1-S-379

LOCATION: Elevation: 1204.00 Quadrangle: WEST UNION

District: WESTUNION County: DODDRIDGE
Latitude: 5115 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude: 9085 Feet West of 80 Deg. 45 Min. 0 Sec.

Company: STONEWALL GAS CO.

P. O. BOX 1575
RICHMOND, VA

Agent: CHARLES W. CANFIELD

Inspector: MIKE UNDERWOOD

Permit Issued: 12/04/88
Well work Commenced: 01-24-89
Well work Completed: 01-29-89

Verbal Plugging

Permission granted on: _____

Rotary Cable _____ Ris _____

Total Depth (feet) 5350

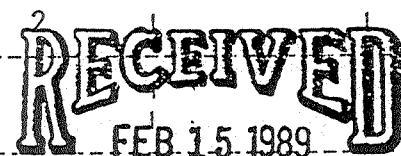
Fresh water depths (ft) 120

Salt water depths (ft) 1270

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

Coal Depths (ft): NA

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Cu. Ft.
11 3/4"	162	162	75 SKS
8 5/8"	1345	1345	290 SKS
4 1/2"	5290	5290	660 SKS
		5150	



OPEN FLOW DATA

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Producing formation: BENSON Pay zone depth (ft) 5165
Gas: Initial open flow 250 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 1700 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 48 Hours
Static rock Pressure 1550 psis (surface pressure) after 48 Hours

Second producing formation: RILEY Pay zone depth (ft) 4740
Gas: Initial open flow 170 MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow 1700 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 48 Hours
Static rock Pressure 1550 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.

By: *Ben A. Amstutz*, President
Date: FEBRUARY 13, 1989

FEB 17 1989

FRAC DATE 02-02-89 STAGES TWO

PERFS	HOLES	BBL	SAND	BD	ISIP
BENSON 5165-70	15	700	70,000	2190	1650
RILEY 4731-4748	18	700	70,000	2820	1760

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
FILL	GRAY	SOFT	0	20	HOLE WET 89'
SHALE/RR	RED	SOFT	20	115	
SAND/SHALE	GRAY	SOFT	115	780	HOLE WET 975'
SHALE/RR	RED	SOFT	780	2030	
BIG LIME	GRAY	HARD	2030	2110	GAS @ 2169' NO SHOW
BIG INJUN	GRAY	HARD	2110	2220	
SAND/SHALE	GRAY	SOFT	2220	2780	GAS @ 2233 NO SHOW
GORDON	BROWN	SOFT	2780	2830	
SHALE	GRAY	SOFT	2830	4630	GAS @ 4635 60/10 2"
RILEY	GRAY	SOFT	4630	4690	H ₂ O
SHALE	GRAY	SOFT	4690	5080	
BENSON	BROWN	HARD	5080	5140	GAS @ 5235 40/10 2"
TD				5350	H ₂ O

GAS TD 40/10 2" H₂O

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249-11030 4012 110
107228 107228 107228

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FEB 15 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

8035

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

- 1) Well Operator: STONEWALL GAS COMPANY **47850, 8, 670**
- 2) Operator's Well Number: SCOTT #1 (379-S) 3) Elevation: 1140
- 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: 5250 feet
- 7) Approximate fresh water strata depths: 80' 170'
- 8) Approximate salt water depths: 1170'
- 9) Approximate coal seam depths: NA 297'-302', 477'-781'
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No X /
- 11) Proposed Well Work: Drill & Stimulate New Well

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS			CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11 3/4	ERW	42#	100' ^{175'}	100' ^{175'} <i>Comment to surface</i>	38CSR18-11.3
Fresh Water					175' ^{0.11.11.11}	
Coal						38CSR18-11.2.2
Intermediate	8 5/8	ERW	23#	1350'	1350' <i>Comment to surface</i>	38CSR18-11.3
Production	4 1/2	ERW	10.5#	5200'	5200' ←	38CSR18-11.1
Tubing						
Liners						

ACKERS : Kind _____
Sizes _____
Depths set _____

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For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

108
39
Fee(s) paid: Plat WW-9 WW-2B Bond 50 Blanket Agent

Well Work Permit Plat Reclamation Fund Plat WPCP
Agent

(Type)

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1) Date: NOVEMBER 14, 1988
2) Operator's well number
SCOTT #1 (379-S)
3) API Well No: 47 - 017 - 3684
State - County - Permit

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
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 EDWIN P. BODE
Address 200 GRAND AVENUE
WEST UNION, WV 26456
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator: COAL OWNER
Name N/A GAIL SCOTT, ET AL
Address C/O DOUGLAS E. SCOTT
106 EMERY AVE., MINGO JUNCTION, OHIO
- (b) Coal Owner(s) with Declaration
Name ALFRED W. BARNEY
Address STATION A, BOX 5003
CLARKSBURG, WV 26301
- Name EDWIN P. BODE
Address 200 GRAND AVENUE
WEST UNION, WV 26456
- (c) Coal Owner with Declaration
Name WAYNE S. DOLL AGENT
Address HCR 74 BOX 112
ALMA, WV 26320
- 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

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 14TH day of NOVEMBER, 1988

[Signature] Notary Public
My commission expires JANUARY 16, 1991