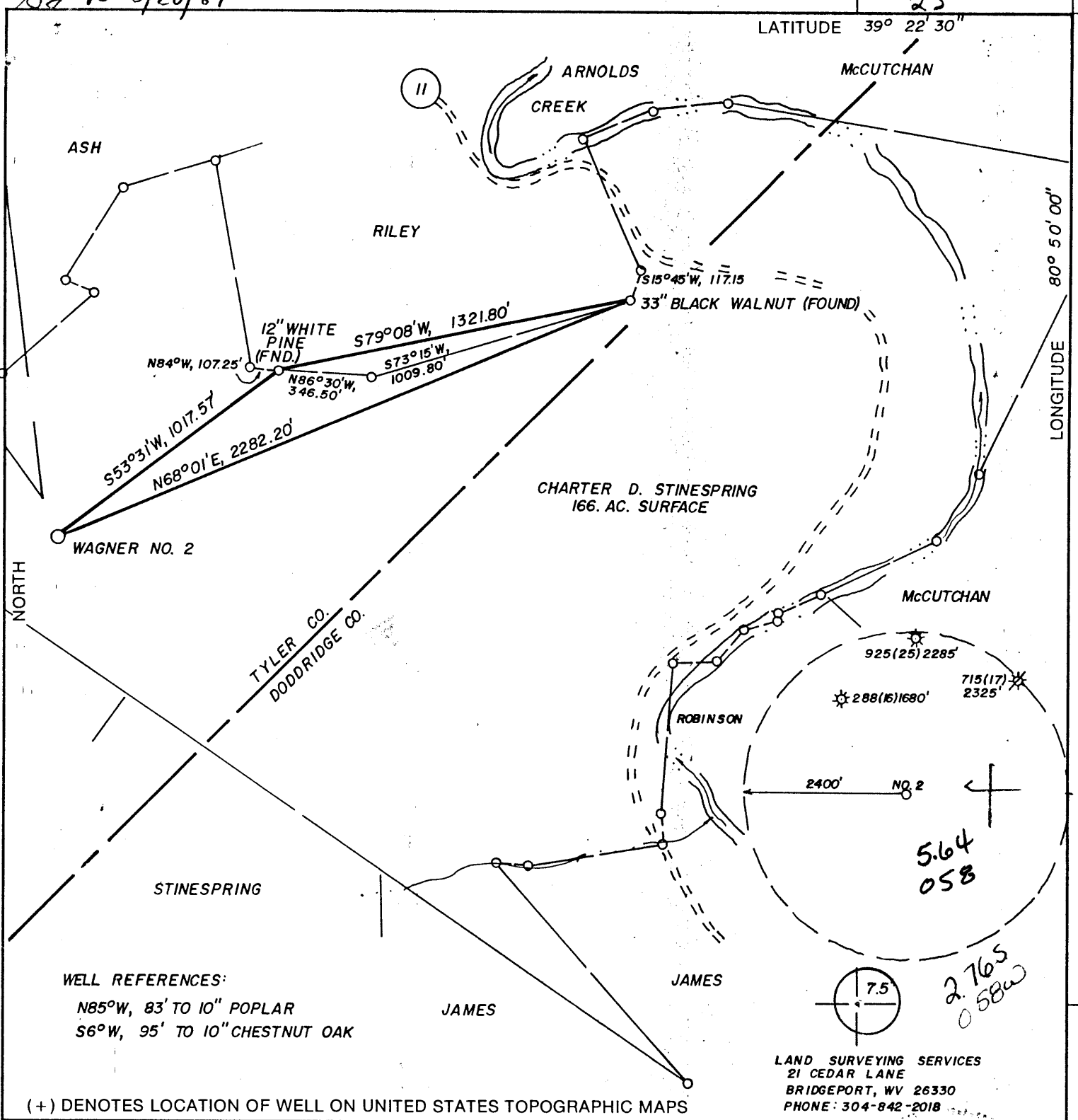


8713 8/20/87

253140'



WELL REFERENCES:
 N85°W, 83' TO 10" POPLAR
 S6°W, 95' TO 10" CHESTNUT OAK

LAND SURVEYING SERVICES
 21 CEDAR LANE
 BRIDGEPORT, WV 26330
 PHONE: 304-842-2018

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION ROAD INT. 2865' EAST OF LOCATION AT ELEV. 750'

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

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE JUNE 8, 19 87
 OPERATOR'S WELL NO. WAGNER NO. 2
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1007' WATER SHED SHORT RUN
 DISTRICT CENTERVILLE 1 COUNTY TYLER
 QUADRANGLE WEST UNION 7.5' 671 133 C5
 SURFACE OWNER CHARTER D. STINESPRING ACREAGE 166
 OIL & GAS ROYALTY OWNER WAGNER LEASE ACREAGE 170
 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 5200'
 WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT CHARLES CANFIELD
 ADDRESS P.O. DRAWER R 847 ADDRESS P.O. DRAWER R
 JANE LEW, WV 26378-0080 JANE LEW, WV 26378-0080

6-6 Wilbur

(92)

SEP 8 1987

FORM WW-6
 H.T. HALL 48073

COUNTY NAME
 PERMIT

14635

WR-35



RECEIVED
OCT 28 1987

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

date OCTOBER 21, 87
Operator's
Well No. WAGNER #2 183-S
Farm WAGNER
API No. 47-095-1207

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

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 X / Underground Storage ___ / Deep ___ / Shallow X /)

LOCATION: Elevation: 1007 Watershed SHORT RUN
District: CENTERVILLE County TYLER Quadrangle WEST UNION

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 CHARTER STINESPRING

ADDRESS BOX 264, WEST UNION, WV 26456

MINERAL RIGHTS OWNER KENNETH WAGNER, ET AL

ADDRESS 724 1/2 WELLS T., SISTERVILLE, WV

OIL AND GAS INSPECTOR FOR THIS WORK MIKE

UNDERWOOD ADDRESS RT 1, BOX 114, SALEM,

PERMIT ISSUED SEPT. 2, 87 WV 26426

DRILLING COMMENCED OCTOBER 2, 87

DRILLING COMPLETED OCTOBER 5, 87

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"			
9 5/8			
8 5/8	1266	1266	265 SKS
7			
5 1/2			
4 1/2	5007	5007	220 SKS
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION BENSON Depth 4930 feet

Depth of completed well 5007 feet Rotary X / Cable Tools _____

Water strata depth: Fresh _____ feet; Salt 585 feet

Coal seam depths: N/A Is coal being mined in the area? NO

OPEN FLOW DATA

Producing formation BENSON Pay zone depth 4930 feet

Gas: Initial open flow 83 Mcf/d Oil: Initial open flow N/A Bbl/d

Final open flow 650 Mcf/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests 14 hours

Static rock pressure 1200 psig (surface measurement) after 14 hours shut in

(If applicable due to multiple completion--)

Second producing formation RILEY Pay zone depth 4530 feet

Gas: Initial open flow 83 Mcf/d Oil: Initial open flow N/A Bbl/d

Final open flow 650 Mcf/d Oil: Final open flow N/A Bbl/d

Time of open flow between initial and final tests 14 hours

Static rock pressure 1200 psig (surface measurement) after 14 hours shut in

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

FRAC TWO STAGES 10/13/87

PERFS	HOLES	BBL	SAND	B.D.	I.S.I.P.
<u>BENSON</u> 4924 - 4932	16	830	60,000#	1800#	1350#
<u>RILEY</u> 4512 - 4544	20	715	55,000#	1600#	1550#

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fr and salt water, coal, oil and
FILL & CLAY	RED	SOFT	0	10	DAMP 230'
SHALE & RED ROCK	RED	SOFT	10	654	½" STREAM H²O 585'
SAND & SHALE	BROWN	SOFT	654	1280	
SAND & SHALE	GREY	SOFT	1280	1860	
BIG LIME	GREY	HARD	1860	1940	
BIG INJUN	GREY	HARD	1940	2060	GAS CK @ 2070 2/10 ½" H²O
WEIR	GREY	SOFT	2200	2320	
GORDON	GREY	SOFT	2580	2660	
WARREN	GREY	SOFT	3310	3350	
RILEY	GREY	HARD	4380	4550	GAS CK @ 4477 8/10 1¼" H²O
<u>BENSON</u>	GREY	HARD	4590	4950	GAS CK @ 4934 6/10 1¼" H²O
T.D.				<u>5056</u>	GAS CK @ T.D. 20/10 1¼" H²O

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OCT 28 1987

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

STONEWALL GAS COMPANY

Well Operator

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

Date: _____

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
the thickness of a well."

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AUG 17 1987



1) Date: August 10, 1987
2) Operator's Well No. Wagner #2 183-S
3) API Well No. 47 095 1207
State County Permit

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

- 4) WELL TYPE: A Oil / Gas / B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1007' Watershed: Short Run
District: Centerville / County: Tyler 095 Quadrangle: West Union 670
- 6) WELL OPERATOR Stonewall Gas CODE: 47850 7) DESIGNATED AGENT Charles W. Canfield
Address P.O. Drawer R Address P.O. Drawer R
Jane Lew, WV 26378 Jane Lew, WV 26378
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Mike Underwood (782-1043)
Address Rt 2, Box 114 Address
Salem, WV 26426
- 9) DRILLING CONTRACTOR: Name S.W. Jack Drilling Co.
Address Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Benson
- 12) Estimated depth of completed well, 5200 feet
- 13) Approximate trata depths: Fresh, 390 feet; salt, 0 feet.
- 14) Approximate coal seam depths: None 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.	New	Used	For drilling	Left in well		
Conductor	11 3/4			X		200'	200'	Rule 15.05	Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8			X		1307'	1307'	Rule 15.05	
Production	4 1/2			X		5200'	5200'	Rule 15.05	Depths set
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-095-1207

September 2, 1987
Date

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 September 2, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee:	Other:
				226 3957	

NOTE: Keep one copy of this permit posted at the drilling location.

Director, Division of Oil and Gas

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.