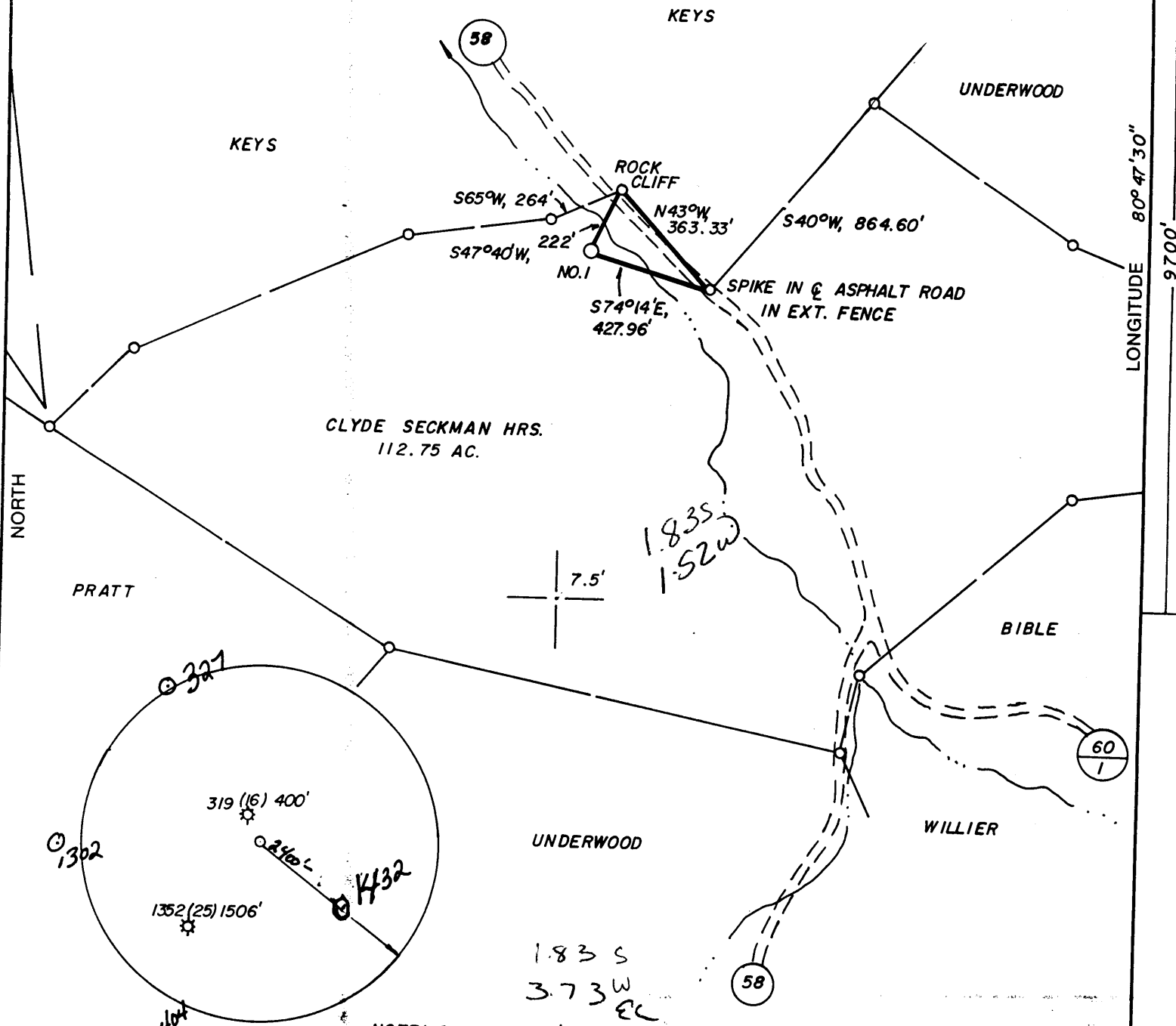


WELL REFERENCES:

N2°W, 96' TO 8" BL. WALNUT
S77°W, 118 TO 15" SYCAMORE

8085 LATITUDE 39°25' 00"

Janie 9/6/90



CLYDE SECKMAN HRS.
112.75 AC.

NOTE: STAKE IS 169' FROM TRAILER.

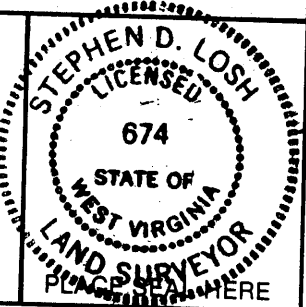
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

LAND SURVEYING SERVICES
BRIDGEPORT, WV

FILE NO. 0140
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 IN 200
PROVEN SOURCE OF ELEVATION ROAD INT. 1590' SE. OF LOC. AT ELEV. 828

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. 674
STEPHEN D. LOSH



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE JUNE 18, 1990
OPERATOR'S WELL NO. SECKMAN 1
API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 803' WATER SHED JEFFERSON RUN
DISTRICT McELROY 5 COUNTY TYLER
QUADRANGLE SHIRLEY W Union
SURFACE OWNER CLYDE SECKMAN HRS
OIL & GAS ROYALTY OWNER CLYDE SECKMAN HRS ACREAGE 112.75
LEASE ACREAGE 112.75

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 _____
WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT JESSE SHELL
ADDRESS P.O. DRAWER R ADDRESS P.O. DRAWER R
JANE LEW, WV 26378-0080 JANE LEW, WV 26378-0080

SEP 24 1990

6-6 Wilbur (092)

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

Well Operator's Report of Well Work

Farm name: SECKMAN, CLYDE - ESTATE Operator Well No.: SECKMAN 1-477-S

LOCATION: Elevation: 803.00 Quadrangle: SHIRLEY

District: MCELROY County: TYLER
Latitude: 9700 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 8085 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: STONEWALL GAS COMPANY
909 E. MAIN ST. P.O. BOX 1575
RICHMOND, VA 23219-1575

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	128	128	70 SKS
8 5/8	1021	1021	200 SKS
4 1/2	4886	4886	710 SKS

Agent: JESSE A. SHELL

Inspector: GLEN P. ROBINSON
Permit Issued: 09/21/90
Well work Commenced: 11/26/90
Well work Completed: 12/01/90
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5050
Fresh water depths (ft) 40

Salt water depths (ft) _____
370, 520

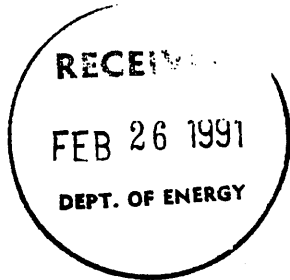
Is coal being mined in area (Y/N)? N
Coal Depths (ft): 130, 262, 467

OPEN FLOW DATA

Producing formation BENSON, RILEY Pay zone depth (ft) 4755/4333
Gas: Initial open flow 133 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 415 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 1 Hours
Static rock Pressure 1150 psig (surface pressure) after 168 Hours

Second producing formation WEIR Pay zone depth (ft) 2110
Gas: Initial open flow 133 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 1150 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 1 Hours
Static rock Pressure 415 psig (surface pressure) after 168 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 COMPANY

By: [Signature] RAY M. FREAR, JR.
Date: FEBRUARY 21, 1991 PETROLEUM ENGINEER

STAGE	3	FRAC	WATER	DATE	12-12-90			
ZONES		PERFS		HOLES		BBL	BP	ISIP
BENSON		4755-4759	16	600		1550	1657	
RILEY		4333-4362	14	600		1750	1891	
WEIR		2110-2128	18	800		1950	1741	

FORMATION	COLOR		HARD/SOFT	TOP	BOTTOM	REMARKS
RR	RED	HARD	0	6	1/2" WATER	40'
SAND	BROWN	HARD	6	25		
SAND & SHALE	GRAY	SOFT	25	92	GAS CK 1652	NO SHOW
SAND	BROWN	HARD	92	130	GAS CK 1775	NO SHOW
COAL	BLACK	SOFT	130	132		
SAND & SHALE	GRAY	HARD	132	262	GAS CK 1806	NO SHOW
COAL	BLACK	SOFT	262	267	GAS CK 1930	NO SHOW
SAND & SHALE	GRAY	HARD	267	467		
COAL	BLACK	SOFT	467	471	GAS CK 2364	12/10 2" W/W
SAND & SHALE	GRAY	HARD	471	600		
SAND	BROWN	HARD	600	625	GAS CK 3013	8/10 2" W/W
RR & SHALE	BROWN	HARD	625	710		
SAND & SHALE	GRAY	SOFT	710	1412	GAS CK 3574	8/10 2" W/W
SAND	BROWN	SOFT	1412	1480		
SAND & SHALE	BROWN	SOFT	1480	1580	GAS CK 4445	12/10 2" W/W
SAND	BROWN	HARD	1580	1635	GAS CK 5000	10/10 2" W/W
L-LIME	GRAY	SOFT	1635	1648		
SAND & SHALE	GRAY	SOFT	1648	1668		
B-LIME	BROWN	HARD	1668	1770		
INJUN	BROWN	HARD	1770	1895		
SAND & SHALE	GRAY	SOFT	1895	2474		
GORDON	GRAY	SOFT	2474	2486		
SAND & SHALE	GRAY	HARD	2486	4338		
RILEY	BROWN	HARD	4338	4350		
SAND & SHALE	BROWN	SOFT	4350	4774		
BENSON	GRAY	SOFT	4774	4790		
SAND & SHALE	GRAY	SOFT	4790	5050		
TD			5050			



112211

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

- 1) Well Operator: 847 STONEWALL GAS COMPANY 47850 (5) 606
- 2) Operator's Well Number: SECKMAN #1 (477-S) 3) Elevation: 803'
- 4) Well type: (a) Oil ___ / or Gas X /
(b) If Gas: Production X / Underground Storage ___ /
Deep ___ / Shallow X /
- 5) Proposed Target Formation(s): BENSON 435
- 6) Proposed Total Depth: 5000' feet
- 7) Approximate fresh water strata depths: 50', 80', 230'
- 8) Approximate salt water depths: 750', 1240'
- 9) Approximate coal seam depths: 450'
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No X /
- 11) Proposed Well Work: Drill & Stimulate New Well
- 12)

RECEIVED
Division of Energy
SEP 05 90
Permitting
Oil and Gas Section

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling		Left in well
<u>6/29/90</u> Conductor	11 3/4"		27#	130'	130' CTS	38 CSR 18-11.3
Fresh Water						
Coal						
Intermediate	8 5/8"		20#	1000'	1000' CTS	38 CSR 18-11.2 <u>2</u>
Production	4 1/2"		10.5#	4900'	4900' <u>2</u>	38 CSR 18-11.1
Tubing						
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

6944
25
Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond C. D. Blanket Agent
(Type)

RECEIVED
Division of Energy
SEP 05 90
Permitting
Oil and Gas Section

1) Date: August 30, 1990
2) Operator's well number
SECKMAN #1 477-S
3) API Well No: 47 - 095 - 1431
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 CLYDE SECKMAN ESTATE
Address WILBUR, WV 26459

(b) Name _____
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 _____

6) Inspector GLEN ROBINSON
Address RT 1, #6 MT. PLEASANT EST.
MINERAL WELLS, WV 26150
Telephone (304)489-2736

(c) Coal Lessee with Declaration
Name N/A
Address _____

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:

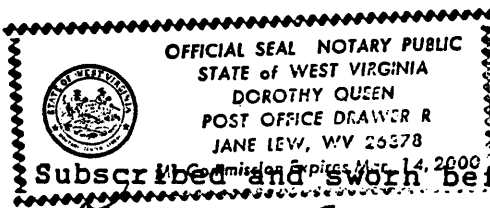
- _____ Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

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
Telephone _____



Subscribed and sworn to before me this 30TH day of SEPTEMBER, 1990

Dorothy Queen Notary Public
My commission expires MAR 14, 2000