

6515'

LATITUDE 39° 22' 30"

LONGITUDE 80° 47' 30"

Jane
10/2/92

WELL REFERENCES:

N47°E, 100' TO 12" WH. OAK

S67°E, 69' TO 7" CHEST. OAK

COFFMAN

WEEKLEY

NO. 1

N44°35'E
1430.9'

S35°20'W
1581'

23 AC.

PERKINS

N18°W,
511.50'

(FOUND)
26" WHITE OAK

N18°W, 282.49'

WEEKLEY

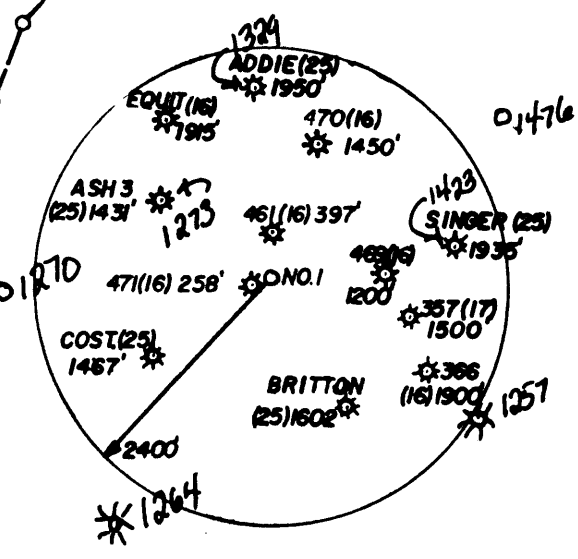
STONE

H. DAVIS

DRAIN

N57°30'E,
123.75'

KEYS



369
346

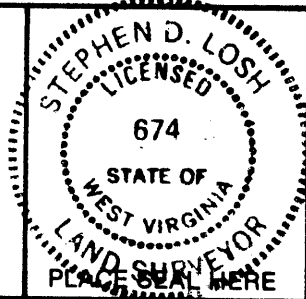
LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 2210' NE OF LOC. AT ELEV. 1208'

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) _____

R.P.E. _____ L.L.S. NO. 674
 STEPHEN D. LOSH



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE OCT. 10, 19 90
 OPERATOR'S WELL NO. PURSLEY 1
 API WELL NO. _____

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X
 LOCATION: ELEVATION 998' WATER SHED CAMP MISTAKE RUN
 DISTRICT McELROY 5 COUNTY TYLER
 QUADRANGLE WEST UNION 7.5' & 15' EC
 SURFACE OWNER A. A. PURSLEY ACREAGE 23.
 OIL & GAS ROYALTY OWNER A. A. PURSLEY LEASE ACREAGE 23.
 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 5400'

WELL OPERATOR STONEWALL GAS CO. DESIGNATED AGENT JESSE SHELL
 ADDRESS P. O. DRAWER R ADDRESS P. O. DRAWER R

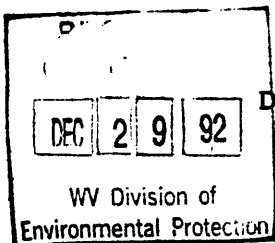
JANE LEW, WV 26378-0080 *6rb Wilbur (092)* JANE LEW, WV 26378-0080

OCT 10 1990

FORM WW-6

COUNTY NAME

PERMIT



State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: PURSLEY, A.A.

Operator Well No.: PURSLEY#1-553-S

LOCATION: Elevation: 998.00 Quadrangle: WEST UNION

District: MCELROY County: TYLER
Latitude: 4300 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 6515 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: STONEWALL GAS COMPANY
909 E. MAIN ST. P.O. BOX 1575
RICHMOND, VA 23213-0000

Agent: JESSE A. SHELL

Inspector: MIKE UNDERWOOD
Permit Issued: 10/05/92
Well work Commenced: 10-07-92
Well work Completed: 10-30-92
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5100
Fresh water depths (ft) 870

Salt water depths (ft) _____
NONE REPORTED

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 136, 187, 602

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	127	127	60 SKS
8 5/8	1059	1059	220 SKS
7	1469	1469	245 SKS
4 1/2	5038	5038	710 SKS

OPEN FLOW DATA

Producing formation BENSON Pay zone depth (ft) 4870
Gas: Initial open flow 55 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 984 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 _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ 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.

Reviewed TM6
Recorded CH

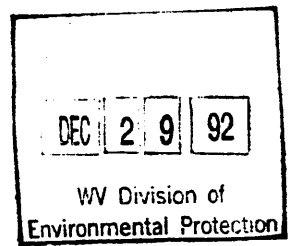
For: STONEWALL GAS COMPANY
By: Ray M. Frear, Jr. RAY M. FREAR, JR.
Date: DECEMBER 28, 1992 PETROLEUM ENGINEER

MAY 24 1993

1	STAGES WATER	FRAC	12-01-92	DATE	
ZONES	PERFS	HOLE	BBL	BBP	ISIP
BENSON	4890-4895	15	800	2389	1125

FORMATION	COLOR	HARD/SOFT	TOP	BOTTOM	REMARKS
ROCK	GRAY	HARD	0	2	
RR & SHALE	RED	HARD	2	5	
SANDY SHALE	BROWN	SOFT	5	10	
RR & SHALE	GRAY	HARD	10	20	
SAND	BROWN	SOFT	20	25	GAS CL @ 1966 NO SHOW
SANDY SHALE	BROWN	SOFT	25	40	OIL ODOR 1970
WHITE SAND	WHITE	SOFT	40	50	2059 NO SHOW
RED ROCK	RED	HARD	50	70	2649 8/10 1" W/M
SANDY SHALE	GRAY	HARD	70	136	
COAL	BLACK	SOFT	136	138	4938 10/10 1" W/W
SANDY SHALE	GRAY	SOFT	138	187	
COAL	BLACK	SOFT	187	191	
SANDY SHALE, RR	GRAY	SOFT	191	222	
SAND	BROWN	HARD	222	240	
SHALE RR	BROWN	HARD	240	382	
SAND	BROWN	HARD	382	406	
SANDY SHALE	GRAY	SOFT	406	443	
SHALE & RR	GRAY	SOFT	443	602	
COAL	BLACK	SOFT	602	606	
BLACK SHALE	GRAY	HARD	606	610	
SANDY SHALE	GRAY	HARD	610	816	
SAND	BROWN	SOFT	816	821	
SANDY SHALE	GRAY	HARD	821	870	
SAND	BROWN	SOFT	870	920	
RR	RED	HARD	920	930	
SANDY SHALE	GRAY	HARD	930	1003	
RR	RED	HARD	1003	1007	
SHALE	GRAY	SOFT	1007	1120	
SAND	GRAY	SOFT	1120	1131	
SHALE	GRAY	SOFT	1131	1209	
SANDY SHALE	BROWN	HARD	1209	1233	
SAND	BROWN	HARD	1233	1282	
SHALE	GRAY	SOFT	1282	1309	
SANDY SHALE	GRAY	SOFT	1309	1338	
SAND	BROWN	SOFT	1338	1389	
SANDY SHALE	GRAY	SOFT	1389	1420	
SAND	BROWN	SOFT	1420	1545	
SANDY SHALE	GRAY	SOFT	1545	1844	
BIG LIME	GRAY	HARD	1844	1933	
INJUN	GRAY	HARD	1933	1977	
SANDY SHALE	GRAY	HARD	1977	2046	
SHALE	GRAY	HARD	2046	2063	
SAND	BROWN	SOFT	2063	2184	
SANDY SHALE	GRAY	SOFT	2184	2247	
SHALE	GRAY	SOFT	2247	2271	
SANDY SHALE	GRAY	SOFT	2271	2615	
SAND	BROWN	SOFT	2615	2624	

PURSLEY #1 (553-S) CONT.
 MCELROY DISTRICT, TYLER COUNTY, WV
 47-95-01503
 WR-35 CONT. PAGE 2



SANDY SHALE	GRAY	HARD	2624	3114
SHALE	GRAY	HARD	3114	3185
SANDY SHALE	BROWN	SOFT	3185	3237
SHALE	GRAY	SOFT	3237	3284
SANDY SHALE	BROWN	SOFT	3284	3337
SANDY SHALE	BROWN	SOFT	3337	4101
SHALE	GRAY	HARD	4101	4163
SANDY SHALE	GRAY	HARD	4163	4238
SHALE	GRAY	SOFT	4238	4257
SANDY SHALE	GRAY	SOFT	4257	4372
SHALE	BROWN	SOFT	4372	4412
SANDY SHALE	GRAY	HARD	4412	4445
SHALE	BROWN	HARD	4445	4510
RILEY	BROWN	HARD	4510	4890
SHALE	BROWN	SOFT	4890	4920
BROWN SAND	BROWN	SOFT	4920	4948
SANDY SHALE	GRAY	SOFT	4948	5100
TD			5100	

DF - 424
 DFT - 435

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

- 1) Well Operator: ⁸⁴⁷ STONEWALL GAS COMPANY 47850 5 670
- 2) Operator's Well Number: PURSLEY #1 (553-S) 3) Elevation: 998'
- 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: 5050' feet
- 7) Approximate fresh water strata depths: 40'
- 8) Approximate salt water depths: 410'
- 9) Approximate coal seam depths:
- 10) Does land contain coal seams tributary to active mine? Yes ___/ No X/
- 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.)
Conductor	11 3/4"		27#	120'	120' CTS	38 CSR 18-11.3
Fresh Water						<i>o.k. MAY</i>
Coal						
Intermediate	8 5/8"		20#	1060'	1060' CTS	
Production	4 1/2"		10.5#	4990'	4990'	38 CSR 18-11.1
Tubing						
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

180
31

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

SEP 18 92
Oil & Gas

- 1) Date: SEPTEMBER 16, 1992
- 2) Operator's well number
PURSLEY #1 (553-S)
- 3) API Well No: 47 - 095 - 1503
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 A. A. PURSLEY
Address BOX 51
LEROY, WV 25252
 - (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 _____
 - (c) Coal Lessee with Declaration
Name N/A
Address _____
- 6) Inspector MIKE UNDERWOOD
Address ROUTE 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: BA Handley
Its: PRESIDENT
Address PO DRAWER R
JANE LEW, WV 26378
Telephone 304-884-7881



Subscribed and sworn before me this 16TH day of SEPTEMBER, 19 92

Dorothy Guen Notary Public
My commission expires MARCH 14, 2000