

3922

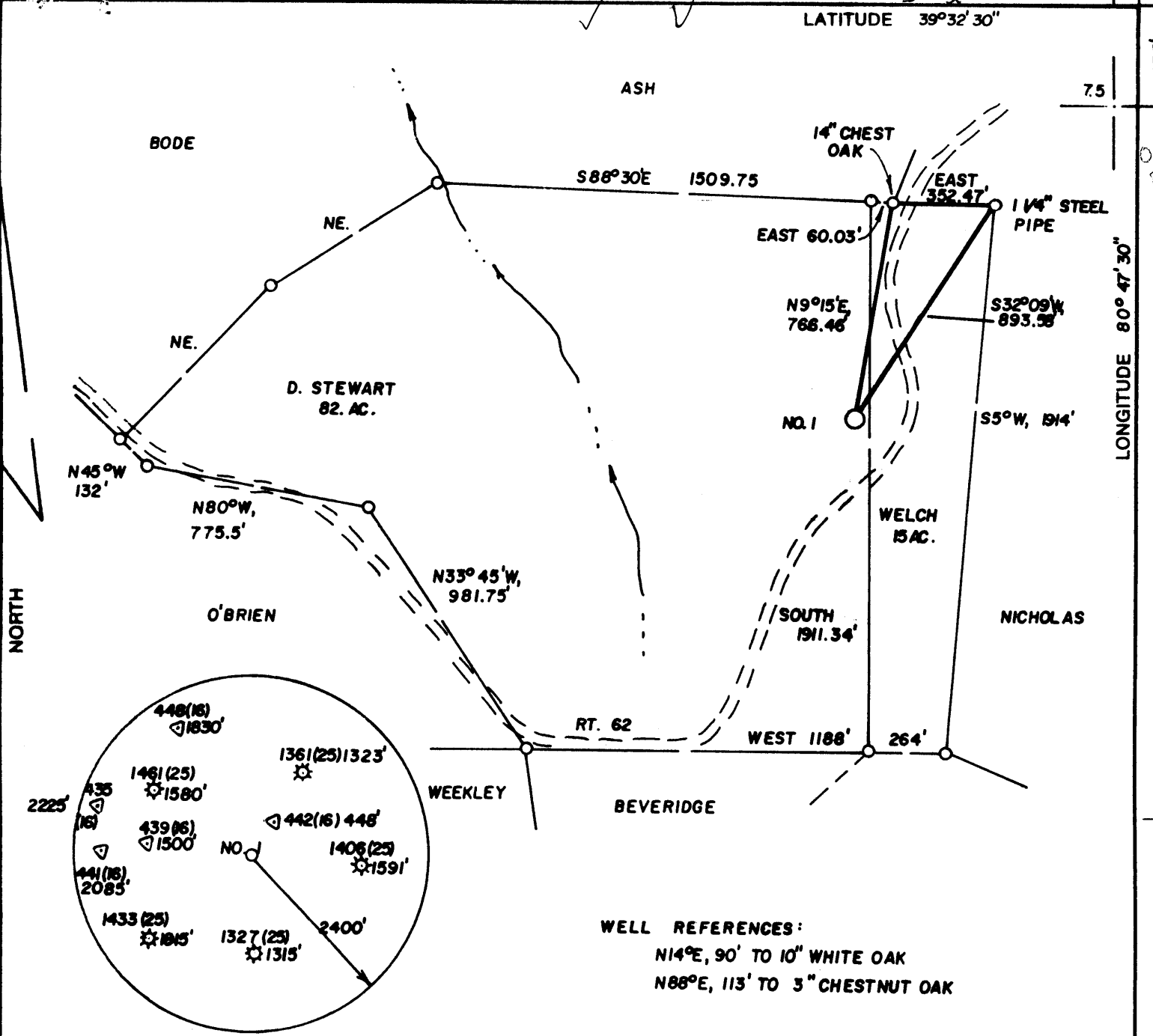
375'

LATITUDE 39°32'30"

1435'

7.5

LONGITUDE 80°47'30"



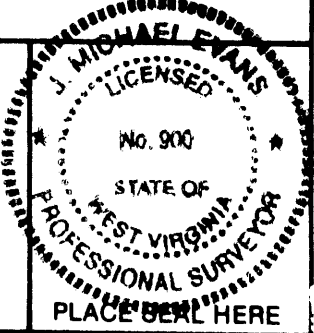
WELL REFERENCES:
 N14°E, 90' TO 10" WHITE OAK
 N88°E, 113' TO 3" CHESTNUT OAK

313
 229

(+) 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 1620' SW. AT 1335'

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) J. Michael Evans
 R.P.E. _____ L.L.S. 900



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE MAY 26, 19 93
 OPERATOR'S WELL NO. STEWART 1
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1206' WATERSHED PRATT RUN
 DISTRICT McELROY COUNTY TYLER
 QUADRANGLE WEST UNION 415 EC

SURFACE OWNER PATRICK R. O'BRIEN ACREAGE 97.
 OIL & GAS ROYALTY OWNER D. STEWART LEASE ACREAGE 82.
 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' 6-6 92
 WELL OPERATOR STONEWALL GAS COMPANY DESIGNATED AGENT JESSE SHELL
 ADDRESS P. O. DRAWER R 847 ADDRESS P. O. DRAWER R
JANE LEW, WV 26378-0080 JANE LEW, WV 26378-0080

COUNTY NAME

PERMIT

FORM WV-6

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

Well Operator's Report of Well Work

Farm name: O'BRIEN, PATRICK R. III Operator Well No.: STEWART#1 663-S

LOCATION: Elevation: 1,206.00 Quadrangle: WEST UNION

District: MCELROY County: TYLER
 Latitude: 1435 Feet South of 39 Deg. 32Min. 30 Sec.
 Longitude 375 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: 05/06/94
 Well work Commenced: 05/30/94
 Well work Completed: 06/08/94
 Verbal Plugging
 Permission granted on: _____
 Rotary X Cable _____ Rig
 Total Depth (feet) 5344
 Fresh water depths (ft) _____

 Salt water depths (ft) _____
 NONE REPORTED
 Is coal being mined in area (Y/N)? N
 Coal Depths (ft): NONE REPORTED

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	131	131	65 SKS
8 5/8	1016	1016	230 SKS
4 1/2	5213	5213	760 SKS

OPEN FLOW DATA

Producing formation BENSON/RILEY Pay zone depth (ft) 5165
 Gas: Initial open flow * _____ MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 852 MCF/d Final open flow 0 Bbl/d
 Time of open flow between initial and final tests 1 Hours
 Static rock Pressure 1275 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

* UNABLE TO DETERMINE DUE TO LARGE OPEN FLOW FROM KEENER

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: JULY 12, 1994 PETROLEUM ENGINEER

JUL 15 1994

1	STAGES WATER	FRAC	06-17-94	DATE	
ZONES	PERFS	HOLES	BBL	BP	ISIP
BENSON	5165-5169	16	750	1727	1622
	4717	1			
	4733	1			
	4737	1			

FORMATION	COLOR	HARD/SOFT	TOP	BOTTOM	REMARKS
SAND, SHALE, RR	BROWN	SOFT	0	155	GAS CK @ 2111 NO SHOW
RR & SAND	RED	HARD	155	256	2142 16/10 2" W/MER
SAND & SHALE	GRAY	HARD	256	300	2172 42/10 2" W/MER
RR & SHALE	GRAY	HARD	300	360	2203 42/10 2" W/MER
SAND & SHALE	BROWN	SOFT	360	600	2576 46/10 2" W/MER
SHALE	GRAY	SOFT	600	630	3321 46/10 2" W/MER
SAND & SHALE	BROWN	SOFT	630	740	3621 29/10 2" W/MER
SAND	BROWN	HARD	740	852	3790 38/10 2" W/MER
RR	RED	HARD	852	860	4691 30/10 2" W/MER
SAND & SHALE	GRAY	SOFT	860	932	TD 24/10 2" W/MER
SAND	BROWN	SOFT	932	940	
SAND & SHALE	GRAY	HARD	940	990	
RR & SHALE	GRAY	HARD	990	1045	
SAND & SHALE	GRAY	SOFT	1045	1460	
SAND	BROWN	SOFT	1460	1500	
SANDY SHALE	BROWN	SOFT	1500	1632	
RR & SHALE	GRAY	SOFT	1632	1650	
SAND	BROWN	HARD	1650	1760	
SAND & SHALE	GRAY	HARD	1760	1864	
SHALE	GRAY	HARD	1864	1955	
SAND	BROWN	SOFT	1955	1980	
SHALE	GRAY	SOFT	1980	2034	
L. LIME	GRAY	HARD	2034	2045	
SHALE	GRAY	HARD	2045	2066	
B. LIME	GRAY	SOFT	2066	2130	
SHALE	GRAY	SOFT	2130	2155	
BIG INJUN	BROWN	SOFT	2155	2266	
SAND & SHALE	BROWN	HARD	2266	4651	
SAND	GRAY	HARD	4651	4665	
SAND & SHALE	GRAY	HARD	4665	5128	
BENSON	GRAY	SOFT	5128	5135	
SHALE	GRAY	SOFT	5135	5344	
TD			5344		

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

Issued 05/06/94

Expired 05/06/96

19049

Well Operator: ²⁴⁷ STONEWALL GAS COMPANY 47350 (5) 671

Operator's Well Number: STEWART #1 (663-S) 3) Elevation: 1206'

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: 5280 feet

7) Approximate fresh water strata depths: 40', 120', 500'

8) Approximate salt water depths: 2000'

9) Approximate coal seam depths: N/A

10) Does land contain coal seams tributary to active mine? Yes ___ / No X /

1) Proposed Well Work: DRILL AND STIMULATE NEW WELL

2)

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#	100' 140'	100' 140'	38 CSR 18-11.3
Fresh Water						O.K. MU
Coal						
Intermediate	8 5/8"		20#	1000'	1000'	38 CSR 18-11.2.2
Production	4 1/2"	J-55	10.5#	5220'	5220'	38 CSR 18-11.1
Tubing						
liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP

Plat WW-9 WW-28 Bond _____ Agent _____
(Type)

REC-11
APR 20 04

1) Date: APRIL 18, 1994
2) Operator's well number
STEWART #1 (663-S)
3) API Well No: 47 - 095 - 1610
State - County - Permit

Permitting
STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name PATRICK R. O'BRIEN III
Address 16918-B YEOHO RD.
PARKTON, MD 21120
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector MIKE UNDERWOOD
Address RT 2 BOX 135
SALEM, WV 26426
Telephone (304)- 782-1043

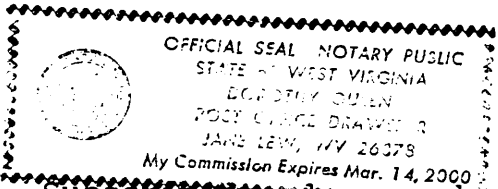
5) (a) Coal Operator:
Name N/A
Address _____
(b) Coal Owner(s) with Declaration
Name NINA L. SESSLER, ET AL
Address 103 W. 2ND ST. (REAR)
HARTFORD, IL 62048
Name _____
Address _____
(c) Coal Lessee with Declaration
Name N/A
Address _____

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: B.A. Hardesty B.A. HARDESTY
Its: PRESIDENT
Address PO DRAWER R
JANE LEW, WV 26378
Telephone (304) 884-7881



Subscribed and sworn before me this 18TH day of APRIL, 1994
Dorothy Lewis Notary Public
My commission expires MARCH 14, 2000