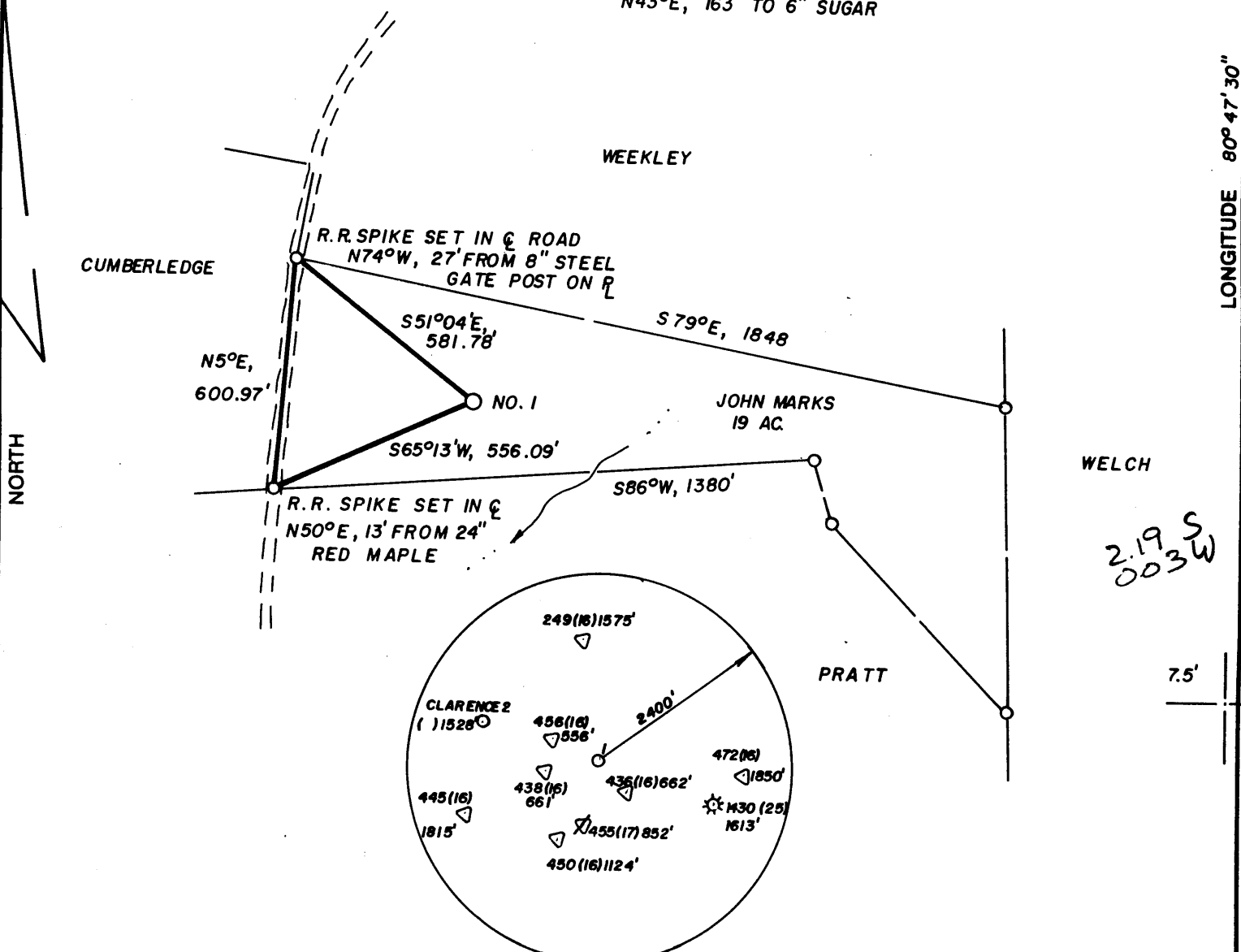


Jamie
5/17/91

WELL REFERENCES:

NORTH, 191' TO 6" HICKORY
N43°E, 163' TO 6" SUGAR



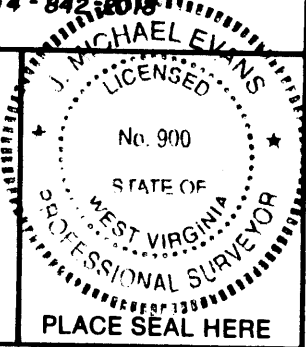
2.19 S
2.26 W

LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE 1 304-842-8015

(+) 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 RD. INT. 550' SW AT ELEV. 822'

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. NO. 900
J. MICHAEL EVANS



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE APRIL 19, 19 91
OPERATOR'S WELL NO. MARKS 1
API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X

LOCATION: ELEVATION 1022' WATER SHED PRATT RUN
DISTRICT McELROY 5 COUNTY TYLER

SURFACE OWNER JOHN MARKS ACREAGE 19.
OIL & GAS ROYALTY OWNER _____ LEASE ACREAGE 19

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 CO. DESIGNATED AGENT JESSE SHELL
ADDRESS P.O. DRAWER R 847 ADDRESS P.O. DRAWER R
JANE LEW, WV 26378-0080-6 Wilbur (092) JANE LEW, WV 26378-0080

MAY 31 1991

FORM WW-6

COUNTY NAME

PERMIT

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

MS 26
JB

Well Operator's Report of Well Work

Farm name: MARKS, JOHN L. JR. Operator Well No.: MARKS #1 589-S

LOCATION: Elevation: 1022.00 Quadrangle: SHIRLEY

District: MCELROY County: TYLER
Latitude: 11465 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 200 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

Agent: JESSE A. SHELL

Inspector: MIKE UNDERWOOD
Permit Issued: 05/27/91
Well work Commenced: 07-06-92
Well work Completed: 07-20-92
Verbal Plugging
Permission granted on:
Rotary X Cable _____ Rig _____
Total Depth (feet) 5170
Fresh water depths (ft) 65, 110,
195
Salt water depths (ft) 490

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
9 5/8	129	129	NONE
7	2188	2188	360 SKS
4 1/2	5109	5109	90 SKS

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

OPEN FLOW DATA

Producing formation BENSON/RILEY Pay zone depth (ft) 4574
Gas: Initial open flow 119 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 1632 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 1 Hours
Static rock Pressure 1500 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.

For: STONEWALL GAS COMPANY

By: [Signature] RAY M. FREAR, JR.
Date: AUGUST 18, 1992

SEP 8 1992

1	STAGES	WATER	FRAC	08-03-92	DATE		
ZONES	PERFS		HOLES		BBL	BP	ISIP
BENSON/RILEY	4574-4576		3		800	1650	1530
	5006-5010		16				

FORMATION	COLOR	HARD/SOFT		TOP	BOTTOM	REMARKS
AND & SHALE	GRAY	0	60	GAS CK @	2003	NO SHOW
AND	BROWN	60	93		2034	20/10 2" W/W
R & SHALE	RED	93	140		2129	50/10 2" W/W
AND & SHALE	GRAY	140	300		2223	30/10 2" W/W
AND	BROWN	300	390			
AND & SHALE	GRAY	390	487		2254	22/10 2" W/W
AND	GRAY	487	530		2496	NO SHOW
R & SHALE	GRAY	530	595		2778	NO SHOW
AND & SHALE	BROWN	595	702		3531	4/10 2" W/W
R & SHALE	BROWN	702	720		4628	4/10 2' W/W
AND & SHALE	GRAY	720	740		5037	12/10 2" W/W
R & SHALE	GRAY	740	754			
AND & SHALE	GRAY	754	795		5170	12 1/10 2" W/W
IALE	BROWN	795	818		DC 6/10	2" W/W
AND & SHALE	GRAY	818	900			
IALE	GRAY	900	920			
R & SHALE	BROWN	920	940			
AND	BROWN	940	968			
AND & SHALE	GRAY	968	1000			
IALE	GRAY	1000	1012			
AND	GRAY	1012	1035			
ND ROCK	RED	1035	1040			
AND & SHALE	GRAY	1040	1054			
AND	GRAY	1054	1071			
AND & SHALE	GRAY	1071	1092			
AND	GRAY	1092	1102			
IALE	BROWN	1102	1124			
AND	GRAY	1124	1240			
R & SHALE	GRAY	1240	1300			
AND	BROWN	1300	1342			
R & S HALE	BROWN	1342	1470			
AND	GRAY	1470	1532			
AND & SHALE	GRAY	1532	1775			
AND	GRAY	1775	1798			
AND & SHALE	BROWN	1798	1832			
IALE & RR	BROWN	1832	1856			
AND & SHALE	GRAY	1856	1913			
TTL LIME	GRAY	1913	1920			
IALE	BROWN	1920	1926			
G LIME	GRAY	1926	2012			
ENER	GRAY	2012	2024			
G INJUN	GRAY	2024	2132			
AND & SHALE	BROWN	2132	2704			
RDON	BROWN	2704	2765			
AND & SHALE	BROWN	2765	4545			
LEY	GRAY	4545	5020			
NSON	GRAY	5020	5024			
AND & SHALE	GRAY	5024	5170			
		5170				

RECEIVED

MAY 09 1991

DEPT. OF ENERGY

FORM WW-2B

095-1468
Issued 5/27/91

Page _____ of _____

Expires 5/27/93

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

- 1) Well Operator: STONEWALL GAS COMPANY ⁸⁴⁷ 47850 (5) 606
- 2) Operator's Well Number: MARKS #1 (589-S) (3) Elevation: 1022'
- 4) Well type: (a) Oil ___ / or Gas X /
(b) If Gas: Production ___ / Underground Storage ___ /
Deep ___ / Shallow X /
- 5) Proposed Target Formation(s): BENSON 435
- 6) Proposed Total Depth: 5170' feet
- 7) Approximate fresh water strata depths: 40' AND 425'
- 8) Approximate salt water depths: N/A
- 9) Approximate coal seam depths: N/A
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No X /
- 11) Proposed Well Work: Drill and Stimulate new well
- 12)

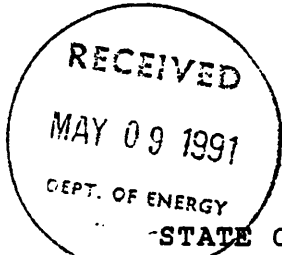
CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	9 5/8"		26#	100'	100'	385SP/11.3
Fresh Water						
Coal						
Intermediate	7"	J-55	20#	2170'	2170'	385SP/11.2.2
Production	4 1/2"	J-55	10.5#	5110'	5110'	385SP/11.1
Tubing						
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

1267/13
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond C. Blanket Agent



1) Date: MAY 6, 1991
2) Operator's well number MARKS #1 (589-S)
3) API Well No: 47 - 095 - 1468
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 JOHN L. MARKS JR.
Address RT 1 BOX 288-B
SALEM, WV 26426
(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 SAME AS SURFACE
Address _____
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: [Signature]
Its: PRESIDENT
Address PO DRAWER R
JANE LEW, WV 26378
Telephone 304-884-7881

Subscribed and sworn before me this 6TH day of MAY, 1991

[Signature] Notary Public
My commission expires MARCH 14, 2000