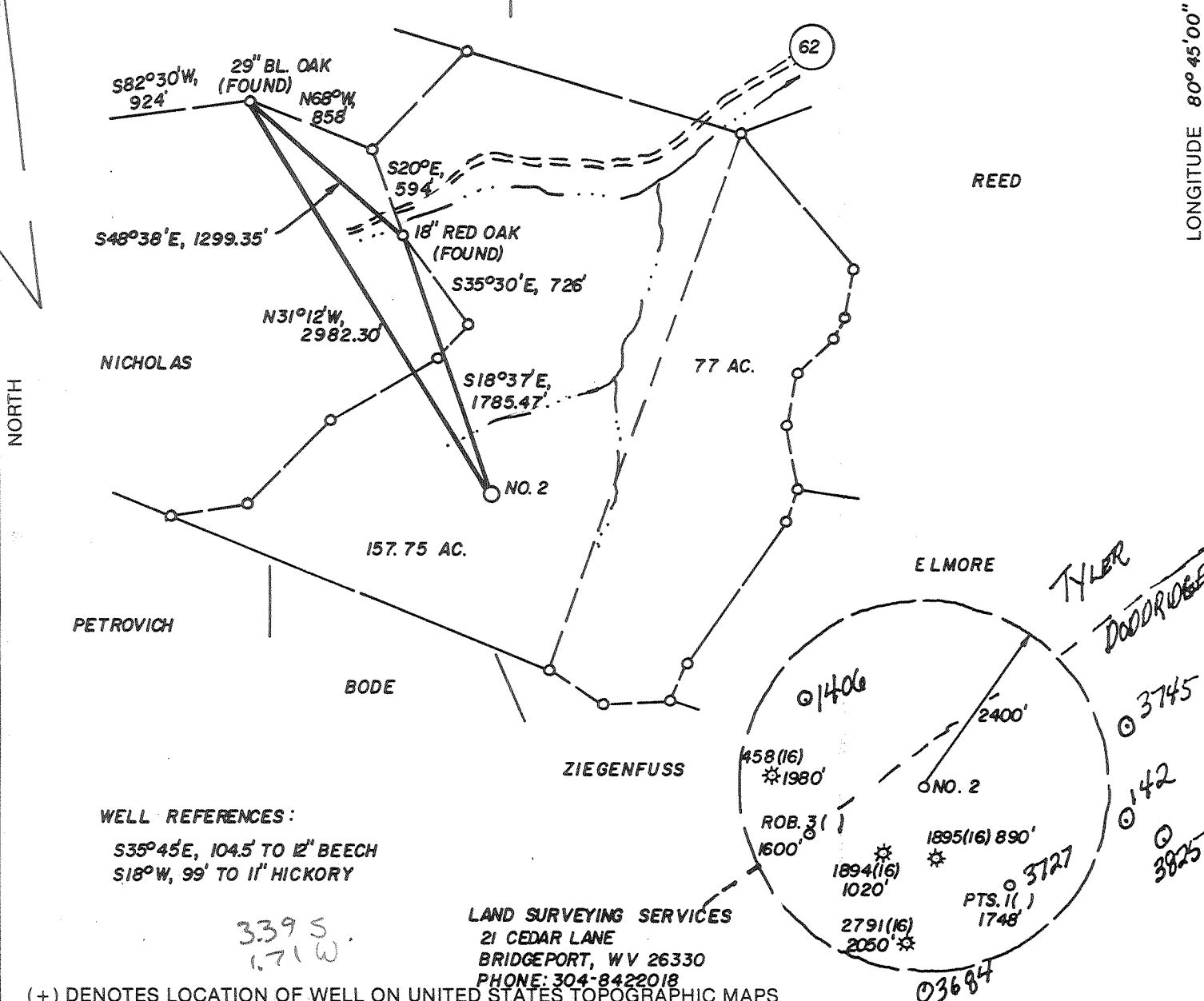


Janie 7/25/90

LATITUDE 39° 22' 30"

27 30'



LONGITUDE 80° 45' 00"

WELL REFERENCES:

S35°45'E, 104.5' TO 12" BEECH
S18°W, 99' TO 11" HICKORY

339.5
1.71W

LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-8422018

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 2915' NW OF LOC. AT ELEV. 1137'

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. NO. 674
STEPHEN D. LOSH

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE JUNE 19, 19 89
 OPERATOR'S WELL NO. PITTS 2
 API WELL NO.

47 - 017 - 3836
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1014 WATER SHED SANDY RUN
 DISTRICT GRANT 3 COUNTY DODDRIDGE
 QUADRANGLE WEST UNION 7.5 +15'EC

SURFACE OWNER ERMA PITTS ACREAGE 157.75
 OIL & GAS ROYALTY OWNER STEPHEN PITTS LEASE ACREAGE 227
 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 5300'
 WELL OPERATOR STONEWALL GAS CO. 847 DESIGNATED AGENT JESSE A. SHELL
 ADDRESS P.O. DRAWER R ADDRESS P.O. DRAWER R
JANE LEW, WV 26378-0080 JANE LEW, WV 26378-0080

JUL 20 1990

6-6 Wilbur (092)

FORM WW-6 H.T. HALL 48673

COUNTY NAME PERMIT

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

Well Operator's Report of Well Work

Farm name: ERMA M. PITTS Operator Well No.: PITTS 2 415-S

LOCATION: Elevation: 1014.00 Quadrangle: WEST UNION

District: GRANT County: DODDRIDGE
Latitude: 2730 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 9100 Feet West of 80 Deg. 45 Min. 0 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: 07/16/90
Well work Commenced: 08-12-90
Well work Completed: 08-16-90
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5150
Fresh water depths (ft) 82
Salt water depths (ft) 1085

Is coal being mined in area (Y/N)? N
Coal Depths (ft): N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4	152	152	91 SKS
8 5/8	1282	1282	280 SKS
4 1/2	5111	5111	710 SKS

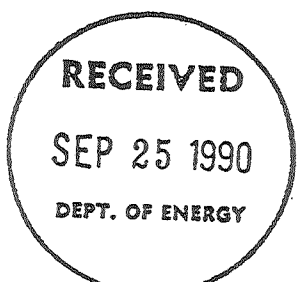
OPEN FLOW DATA

Producing formation BENSON Pay zone depth (ft) 4936
Gas: Initial open flow * _____ MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 2978 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 1 Hours
Static rock Pressure 1700 psig (surface pressure) after 168 Hours

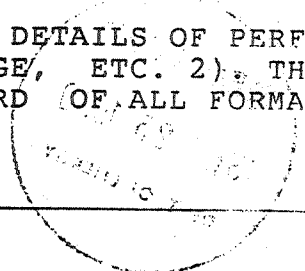
Second producing formation RILEY Pay zone depth (ft) 4499
Gas: Initial open flow * _____ MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 2978 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 1 Hours
Static rock Pressure 1700 psig (surface pressure) after 168 Hours

UNABLE TO DETERMINE DUE TO LARGE OPEN FLOW FROM INJUN FORMATION

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.

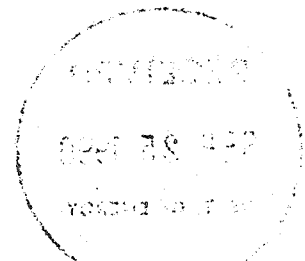
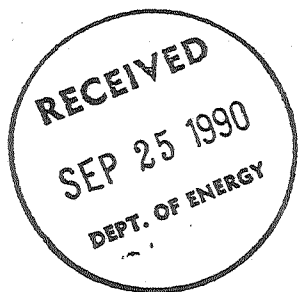


For: STONEWALL GAS COMPANY
By: [Signature] PETROLEUM ENGINEER
Date: SEPTEMBER 18, 1990



OCT 1 1990

STAGE	2	FRAC	WATER	DATE	09-05-90		
ZONES	PERFS	HOLE	BBL	BP	ISIP		
BENSON	4936-4942	18	800	2300	2150		
RILEY	4499-4503	12	400	2350	2360		
FORMATION	COLOR	HARD/SOFT	TOP	BOTTOM	REMARKS		
SOIL, RR	BROWN	SOFT	0	65	GAS CK @ 1905	NO	SHOW
SAND	TAN	SOFT	65	75	GAS CK @ 1937	NO	SHOW
SHALE	GRAY	SOFT	75	81			
SAND & SHALE	GRAY	HARD	81	145	GAS CK @ 1969	20/10	2" W/M
COAL	BLACK	SOFT	145	150			
SAND	TAN	SFOT	150	200	GAS CK 2000	16/10	2" W/M
SAND & SHALE	GRAY	SOFT	200	227			
RR	RED	HARD	227	235	GAS CK 2093	14/10	2" W/M
SAND	TAN	HARD	235	240			
RR & SHALE	GRAY	HARD	240	280	GAS CK 2686	6/10	2" W/M
SAND, SHALE, RR	GRAY	SOFT	280	390			
COAL	BLACK	SOFT	390	395	GAS CK 3429	6/10	2" W/M
SAND	TAN	SOFT	395	440			
SAND & SHALE	GRAY	SOFT	440	505	GAS CK 4577	6/10	2" W/M
SAND	TAN	HARD	505	570			
SAND & SHALE	GRAY	HARD	570	628	GAS CK 5040	6/10	2" W/M
COAL	BLACK	SOFT	628	631			
SAND & SHALE	BROWN	SOFT	631	912	GAS CK 5102	6/10	2" W/M
RR & SHALE	BROWN	HARD	912	1065			
SAND & SHALE	GRAY	SOFT	1065	1830			
LITTLE LIME	GRAY	SOFT	1830	1862			
BIG LIME	BROWN	SOFT	1862	1938			
SHALE	GRAY	HARD	1938	1948			
INJUN	GRAY	HARD	1948	2085			
SAND & SHALE	BROWN	SOFT	2085	2640			
GORDON	BROWN	SOFT	2640	2650			
SAND & SHALE	BROWN	SOFT	2650	4955			
BENSON	GRAY	HARD	4955	4965			
SAND & SHALE	GRAY	SOFT	4965	5150			
TD			5150				



10854

47-017-3836
 Issued 7/16/90
 Expires 7/16/92
 Page ___ of ___

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

- 1) Well Operator: STONEWALL GAS COMPANY ⁴⁷⁸⁵⁰ ~~47800~~ (3) 670
- 2) Operator's Well Number: PITTS #2 (415-S) 3) Elevation: 1014'
- 4) Well type: (a) Oil ___ / or Gas X /
 (b) If Gas: Production ___ / Underground Storage ___
 Deep ___ / Shallow X /
- 5) Proposed Target Formation(s): BENSON
- 6) Proposed Total Depth: 5300' feet
- 7) Approximate fresh water strata depths: 30', 90'
- 8) Approximate salt water depths: 400'
- 9) Approximate coal seam depths: 150'
- 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
Conductor	11 3/4"		28#	130'	130'	38CSR18-11.3
Fresh Water						<i>ok. M. G. G.</i>
Coal						
Intermediate	8 5/8"		20#	1250'	1250'	38CSR18-11.2.2
Production	4 1/2"		10.5#	5200'	5200'	38CSR18-11.1
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

JUN 25 90
 Permitting
 Oil and Gas Section

For Division of Oil and Gas Use Only

Fee(s) paid: 12 Well Work Permit 12 Reclamation Fund 12 WPCP
 Plat 12 WW-9 12 WW-2B 12 Bond 12

1) Date: JUNE 21, 1990
2) Operator's well number
PITTS #2 415-S
3) API Well No: 47 - 017 - 3836
State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

JUN 25 90
Permitting
Oil and Gas Section

4) Surface Owner(s) to be served:
(a) Name ERMA M. PITTS
Address C/O STEPHEN B. PITTS
CP STAR RT, BOX 171 WEST UNION,
(b) Name WV 26456
Address _____
(c) Name _____
Address _____

5) (a) Coal Operator:
Name N/A
Address _____
(b) Coal Owner(s) with Declaration
Name SEE ATTACHED LIST
Address _____
Name _____
Address _____

6) Inspector MIKE UNDERWOOD
Address RT 2 BOX 135
SALEM, WV 26426
Telephone (304)-782-1043

(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: *Biji A. Huntz*
Its: PRESIDENT
Address PO DRAWER R
JANE LEW, WV 26378
Telephone 304-884-7881

Subscribed and sworn before me this 21ST day of JUNE, 1990

Dorothy Luven Notary Public
My commission expires MARCH 14, 2000