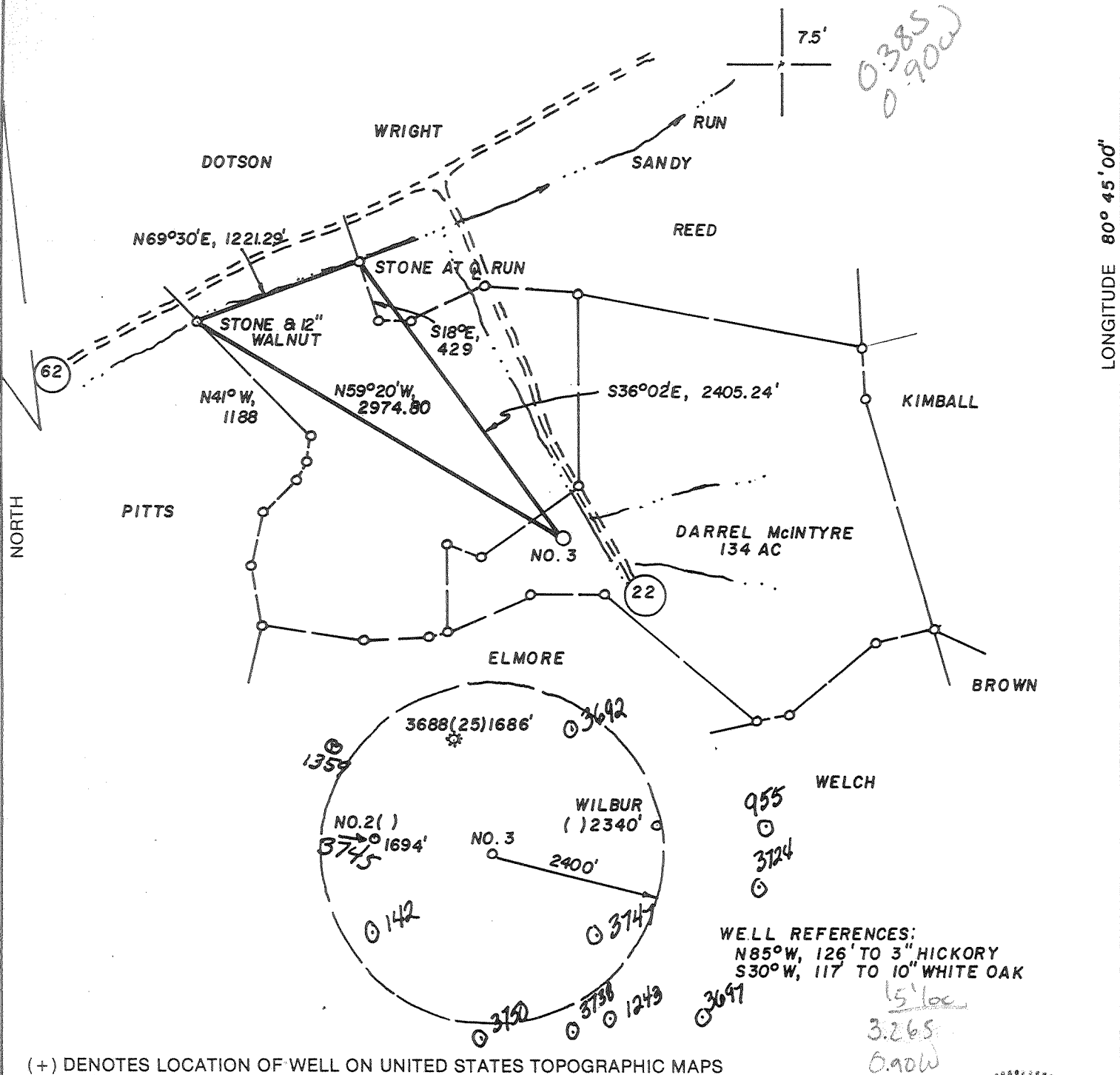


Jamie 5/30/90

4800'

LATITUDE 39° 22' 30"

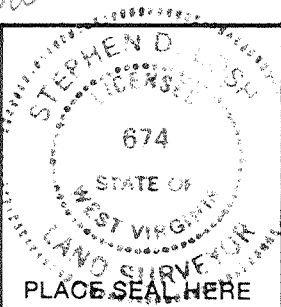
LONGITUDE 80° 45' 00"



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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1,000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 2330'
SW. OF LOC. AT ELEV 1307'

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



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE JUNE 29, 19 89
 OPERATOR'S WELL NO. SANDY 3
 API WELL NO. _____

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X
 LOCATION: ELEVATION 916' WATER SHED SANDY RUN
 DISTRICT GRANT 3 COUNTY DODDRIDGE
 QUADRANGLE WEST UNION 7.5 +15' EC
 SURFACE OWNER DARREL McINTYRE ACREAGE 134.
 OIL & GAS ROYALTY OWNER WILLIAM SANDY LEASE ACREAGE 637.
 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 5250'
 WELL OPERATOR STONEWALL GAS CO. DESIGNATED AGENT CHARLES CANFIELD
 ADDRESS P. O. DRAWER R ADDRESS P. O. DRAWER R
JANE LEW, WV 26378-0080 JANE LEW, WV 26378-0080

JUN 11 1990

6-6 Wilbur(092)

FORM WW-6

COUNTY NAME PERMIT

AUG 16 90

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

Well Operator's Report of Well Work

Farm name: SANDY, I.K. HEIRS Operator Well No.: SANDY #3

LOCATION: Elevation: 916.00 Quadrangle: WEST UNION

District: GRANT County: DODDRIDGE
Latitude: 2060 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 4800 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: 06/06/90
Well work Commenced: 06-28-90
Well work Completed: 07-10-90
Verbal Plugging _____
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5100
Fresh water depths (ft) _____
225
Salt water depths (ft) _____
N/A
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 | 128 | 128 | 65 SKS |
| 8 5/8 | 1264 | 1264 | 250 SKS |
| 4 1/2 | 5055 | 5055 | 710 SKS |
| | | | |
| | | | |

OPEN FLOW DATA

Producing formation BENSON Pay zone depth (ft) 4909
Gas: Initial open flow 173 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 1903 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 1 HR Hours
Static rock Pressure 1625 psig (surface pressure) after 168 Hours

Second producing formation RILEY Pay zone depth (ft) 4467
Gas: Initial open flow 173 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 1903 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 1 HR Hours
Static rock Pressure 1625 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] PETROLEUM ENGINEER

Date: AUGUST 13, 1990

AUG 24 1990

STAGE 2 FRAC WATER DATE 07-19-90

| ZONES | PERFS | HOLES | BBL | BP | ISIP |
|--------|-----------|-------|-----|------|------|
| BENSON | 4909-4915 | 18 | 700 | 1540 | 1800 |
| RILEY | 4450-4492 | 21 | 600 | 2130 | 1850 |

| FORMATION | COLOR | HARD/SOFT | TOP | BOTTOM | REMARKS |
|--------------|-------|-----------|------|--------|--------------------------|
| RR & SHALE | GRAY | SOFT | 0 | 20 | HOLE DAMP @ 225.5 FT |
| SAND & SHALE | GRAY | SOFT | 20 | 85 | |
| SHALE & RR | GRAY | SOFT | 85 | 158 | GAS CK 1776 NO SHOW |
| SAND & SHALE | BROWN | HARD | 158 | 175 | GAS CK 1931 4/10 2" W/W |
| SAND | BROWN | HARD | 175 | 190 | GAS CK 1962 4/10 2" W/W |
| SAND & SHALE | GRAY | SOFT | 190 | 220 | GAS CK 2055 2/10 2" W/W |
| SAND | BROWN | SOFT | 220 | 300 | |
| SAND & SHALE | GRAY | HARD | 300 | 498 | GAS CK 2075 2/10 2" W/W |
| COAL | BLACK | HARD | 498 | 501 | GAS CK 2863 4/10 2" W/W |
| SAND & SHALE | GRAY | HARD | 501 | 1020 | GAS CK 4633 10/10 1" W/W |
| SAND | BROWN | SOFT | 1020 | 1060 | |
| SAND & SHALE | GRAY | SOFT | 1060 | 1793 | GAS CK 5064 30/10 1" W/W |
| LITTLE LIME | BROWN | SOFT | 1793 | 1810 | |
| SHALE | GRAY | HARD | 1810 | 1825 | GAS CK @ TD 20/10 1" W/W |
| BIG LIME | BROWN | HARD | 1825 | 1913 | |
| BIG INJUN | GRAY | HARD | 1913 | 2045 | |
| SAND & SHALE | GRAY | SOFT | 2045 | 2585 | |
| GORDON | GRAY | SOFT | 2585 | 2620 | |
| SAND & SHALE | GRAY | SOFT | 2620 | 4425 | |
| RILEY | BROWN | HARD | 4425 | 4515 | |
| SAND & SHALE | BROWN | HARD | 4515 | 4915 | |
| BENSON | BROWN | SOFT | 4915 | 4930 | |
| SAND & SHALE | GRAY | SOFT | 4930 | 5100 | |
| TD | | | 5100 | | |

54-7-11

1) Date: MAY 21, 1990
2) Operator's well number
SANDY #3 420-S
3) API Well No: 47 - 017 - 3824
State - County - Permit

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

RECEIVED
Division of Energy
MAY 21 1990
Permitting
and Gas Section

4) Surface Owner(s) to be served:
(a) Name I.K. SANDY HEIRS
Address C/O THOMAS ALLEN
RT 2 BOX 406A WASHINGTON, WV 26181
(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 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: [Signature]
Its: PRESIDENT
Address PO DRAWER R
JANE LEW, WV 26378-0080
Telephone 304-884-7881

OFFICIAL SEAL NOTARY PUBLIC
STATE OF WEST VIRGINIA
DOROTHY GREEN
PO BOX 1000
SALEM, WV 26426
My Commission Expires _____

Subscribed and sworn before me this 21 day of MAY, 19 90

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