

Jan 12/12/95

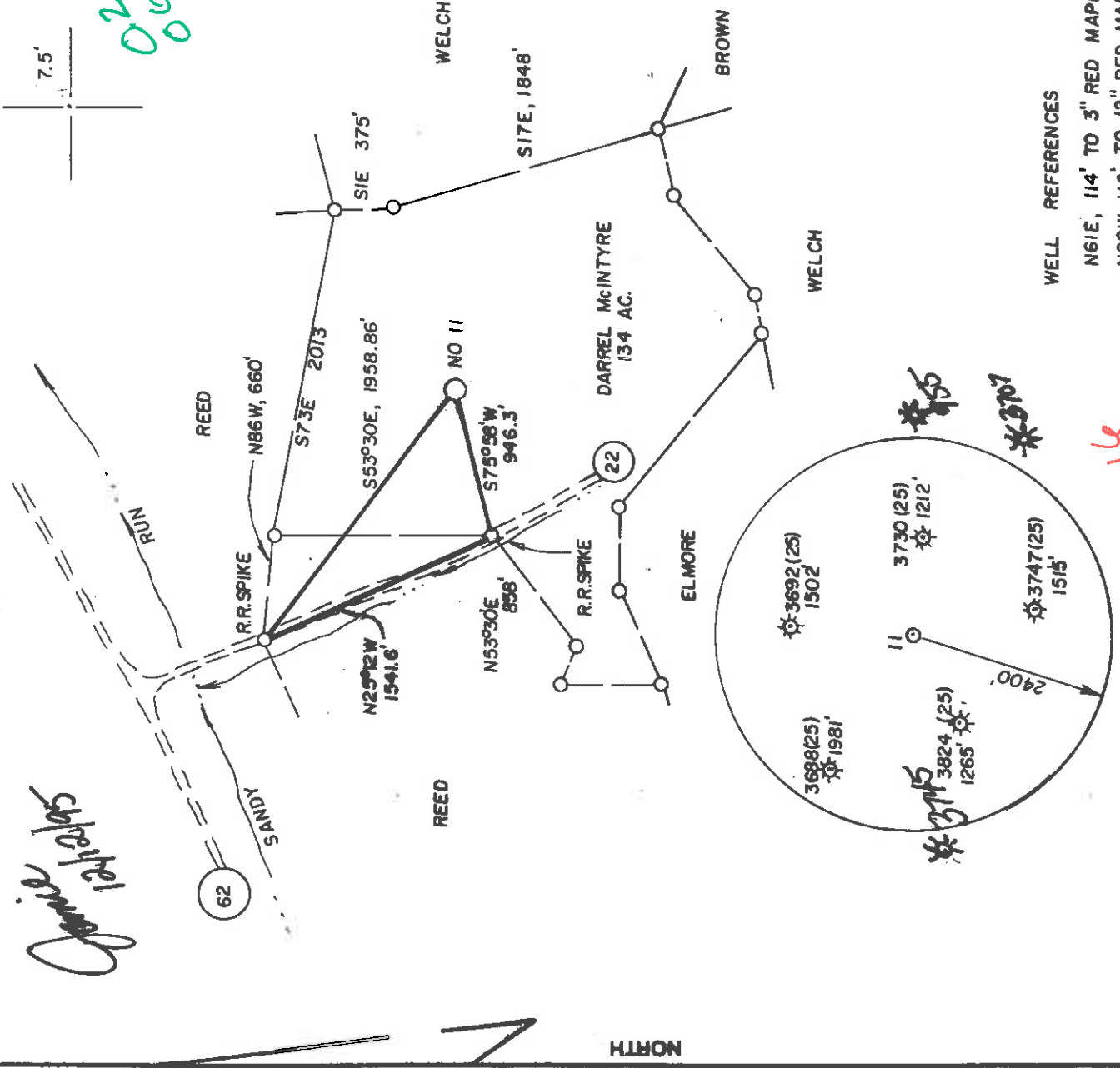
00203

3675'

LATITUDE 39° 22' 30"

1525'

LONGITUDE 80° 45' 00"



NORTH

WELL REFERENCES

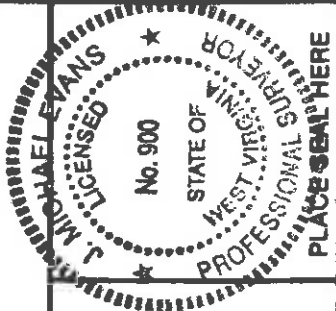
N61E, 114' TO 3" RED MAPLE
N20W, 116' TO 12" RED MAPLE

*3:60
6:00*

(+) 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
 1265' NE at 1306'

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 October 26, 1995
 OPERATOR'S WELL NO. Sandy 11
 API WELL NO. 47-017-04232

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL _____
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 983' WATERSHED Sandy Run
 DISTRICT Grant COUNTY Doddridge
 QUADRANGLE West Union *W*
 SURFACE OWNER Darrel McIntyre ACREAGE 134.
 OIL & GAS ROYALTY OWNER William Sandy LEASE ACREAGE 637

PROPOSED WORK: DRILL 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 5050'
 WELL OPERATOR Stonewall Gas Co. DESIGNATED AGENT Jesse Shell
 ADDRESS P. O. Drawer R Jane Lew, WV 26378-0080
 ADDRESS P. O. Drawer R Jane Lew, WV 26378-0080

6-6 92

RECEIVED
WV Division of
Environmental Protection

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

FEB 26 1996

Permitting

Office of Oil & Gas Well Operator's Report of Well Work

Farm name: SANDY, I.K. HEIRS Operator Well No.: SANDY#11-11286

LOCATION: Elevation: 983.00 Quadrangle: WEST UNION

District: GRANT County: DODDRIDGE
Latitude: 1525 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 3675 Feet West of 80 Deg. 45 Min. 0 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: 12/12/95
Well work Commenced: 12/14/96
Well work Completed: 01/29/96
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5170
Fresh water depths (ft) 50

Salt water depths (ft) 1730

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

Size	Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4		32	0	
8 5/8		274	274	205 SKS
4 1/2		5042	5042	680 SKS

OPEN FLOW DATA

Producing formation BENSON
Gas: Initial open flow TSTM MCF/d Oil: Initial open flow N/A Bbl/d 4972-4980
Final open flow 95 MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests 8 Hours
Static rock Pressure 725 psig (surface pressure) after 16 Hours

Second producing formation RILEY
Gas: Initial open flow TSTM MCF/d Oil: Initial open flow N/A Bbl/d 4432-4548
Final open flow * MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests * Hours
Static rock Pressure psig (surface pressure) after _____ Hours

*COMMINGLED

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: JOHN HASKINS

Date: FEBRUARY 14, 1996

SENIOR VICE-

PRESIDENT

2	STAGES	WATER	FRAC	HOLES	DATE		BBL	BP	ISIP
						02/02/96			
ZONES		PERFS							
BENSON		4972-4980		17		580	2420	1450	
RILEY		4432-4548		15		403	2700	1930	

FORMATION	COLOR	HARD/SOFT	TOP	BOTTOM	GAS CK @	REMARKS
LAY	GRAY	SOFT		3		
HALE	BLACK	SOFT		5		1818' NO SHOW
R & SHALE	GRAY	SOFT		10		2006' 40/10 2" W/W
ANDY SHALE	GRAY	HARD		15		2100' 30/10 2" W/W
HALE	GRAY	HARD		15		2884' 26/10 2" W/W
HALE & RR	BROWN	HARD		20		3353 24/10 2" W/W
ANDY SHALE	GRAY	SOFT		25		4198' 20/10 2" W/W
AND	BROWN	HARD		28		4599 18/10 2" W/W
ANDY SHALE	BROWN	SOFT		48		TD 20/10 2" W/W
AND	BROWN	SOFT		390		
ANDY SHALE & RR	GRAY	HARD		455		
ANDY SHALE	GRAY	HARD		873		
ANDY SHALE &RR	RED	SOFT		937		
AND	BROWN	HARD		1017		
ANDY SHALE	BROWN	HARD		1032		
HALE	GRAY	SOFT		1440		
ANDY SHALE	GRAY	SOFT		1440		
AND	GRAY	SOFT		1465		
ANDY SHALE	BROWN	HARD		1720		
AND	BROWN	SOFT		1760		
AND	BROWN	HARD		1875		
IME	BROWN	SOFT		1900		
AND	GRAY	SOFT		2090		
ANDY SHALE	GRAY	SOFT		2130		
AND	BROWN	HARD		2650		
AND	GRAY	HARD		2700		
ANDY SHALE	GRAY	HARD		3450		
AND	BROWN	SOFT		3450		
ANDY SHALE	GRAY	SOFT		3480		
AND	GRAY	SOFT		3480		
ANDY SHALE	GRAY	SOFT		4515		
AND	GRAY	SOFT		4515		
ANDY SHALE	GRAY	HARD		4570		
AND & SHALE	BROWN	SOFT		4973		
AND	GRAY	SOFT		4988		
ANDY SHALE	GRAY	SOFT		5033		
D	GRAY	HARD		5170		

Office of Oil & Gas, STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

Well Operator: ⁸⁴⁷ STONEWALL GAS COMPANY 47850 (3) 671

21457

Operator's Well Number: SANDY #11 3) Elevation: 983

Well type: (a) Oil ___ / or Gas X /
(b) If Gas: Production X / Underground Storage Shallow X /
Deep ___ / *Issued 12/12/95*
Expired 12/12/97

5) Proposed Target Formation(s): BENSON 435

6) Proposed Total Depth: 5050 feet

7) Approximate fresh water strata depths: 30' 90' 500'

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	
Conductor	11 3/4		27#	20	0	38 CSR 18-11.3
Fresh Water						
Coal						
Intermediate	8 5/8		20#	980	980	38 CSR 11.2.2
Production	4 1/2		9.5	5000	5000	38 CSR 18-11.1
Tubing						
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

Fee(s) paid: Plat WW-9 Reclamation Fund WPCP
WW-2B Bond (Type)
 For Division of Oil and Gas Use Only

Office of the Secretary of State
3000 State Office Building
Charleston, WV 25305

1) Date: DECEMBER 6, 1995
2) Operator's well number SANDY #11 (11286)
3) API Well No: 47 - 017 - 4232
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
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 I. K. SANDY HEIRS
Address C/O THOMAS ALLEN
RT 2 BOX 406A WASHINGTON, WV
(b) Name 26181
Address _____
(c) Name _____
Address _____
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 _____

6) Inspector MIKE UNDERWOOD
Address RT 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
 Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)
I certify that as required under Chapter 22 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)

Certified Mail (Postmarked postal receipt attached)

Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 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 STONEMALL GAS COMPANY
By: John Haskins JOHN HASKINS
Its: _____ SENIOR VICE PRESIDENT
Address PO DRAWER R
JANE LEW, WV 26378
Telephone 304-884-7881

Subscribed and sworn before me this _____ day of _____, 19____
Arthur Lewin Notary Public
My commission expires March 14, 2000