



WR-35



DIVISION OF OIL & GAS DEPARTMENT OF ENERSY

State of Mest Airginia department of energy Gil und Gas Bivision

Pate	AUGUS'	r 25.	87
Operat	or's		
Well N	6. 2	09-S	
Farm_	KEYS	#1	
API No	.47	• 017	- 3575

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL 1	TYPE:	Oil / Gas X / Liquid Injection (If "Gas," Production X / Underground	n_/ \und St	Waste orage	Disposa Deep	l/ p/ Sha	11cw_X_/)		
		Elevation: 990 Watershed	•						
		District: WEST UNION County DODD	RIDGE	(Quadrangle	WEST U	INION		
			•		• · · · · · · · · · · · · · · · · · · ·				
COMPAN	NY ST	ONEWALL GAS COMPANY							
		DRAWER R, JANE LEW, WV 26378	Caşi	ng	Used in	Toft	Cement		
		AGENTCHARLES W. CANFIELD	Tubi	, ,	Drilling		fill up Cu. ft.		
ADDRES	ss <u>Po</u>	DRAWER R, JANE LEW, WV 26378	Size			Ti wett	Cu. IC.		
SURFA	CE OW	VER A.I. KEYS JR.	20-1	6		· ·			
ADDRES	SS STA	ARR RT, BOX 42, WEST UNION, WV	Cond						
MINER	AL RIC	HIS OWNER SAME AS SURFACE 26456	13-1 11 3 9 57	<u>74</u>					
ADDRES	ss				190	190	100 SKS		
OIL A	ND GAS	INSPECTOR FOR THIS WORK MIKE	8 5/	8	1396	1396	300 SKS		
		ADDRESS RT 2, BOX 135, SALEM,	7						
		JED JULY 29, 89 WV	5 1/						
DRILL	ING CO	08-12-87	4 1/	2	5009	5009	205 SKS		
		MPLETED 08-17-87	3						
•		BLE: PLUGGING OF DRY HOLE ON	2						
CT TWO	NUOUS	PROGRESSION FROM DRILLING OR	Line	rs					
(N		VERBAL PERMISSION OBTAINED	use	đ		·			
ලනාග	GICAL	TARGET FORMATION BENSON	-		Dept	h 525	i0 fee t		
		of completed well 5009 feet	Rotary	Х	/ Cable	Tools	1660		
,	Water	strata depth: Fresh 87 feet;	Salt	110	_/ Cool(n feet				
(Coal s	seam depths: N/A	Iso	oal b	eing mine	ed in the	37033 20		
OPEN I		•		·	·	. 11 UK	area: NO		
1	Produc	cing formation BENSON		Páv	zone dent	h 4005	foot		
(Gas:	Initial open flow 189 Mcf/d	011.	_• uj •Tni+	iga coop	£1~:/:			
		Final open flow 1.639 M Mcf/d	V	Fina	dar Open	N/1	A BOTA		
		Time of open flow between init	ial am	a fir	al tosts	N/	W RD1/0		
	Statio	c rock pressure 1500 paig (surface			mel sees	72 no	urs		
	(If a	pplicable due to multiple completion	l liedzi	mais	alt) alter	24 nou	rs shut in		
				Day	zona dom	. L	£		
	Gas:	d producing formationMcf/d	011.	_ray	rial con	flee	7991		
		Final open flow Mcf/d	011.	Fina	il open fl		BP1/0		
		Time of open flow between init							
	Stati	c rock pressurepsig(surface							
				فتيتة وعب بي			4 1987 side		
					(Contir	מת מה פעד	of to Wardin		

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

FRAC ONE STAGE 8/25/87

BENSON

PERFS

HOLES

BBL

SAND

B.D. :

I.S.I.P.

4900-4906

18

850

75,000lbs

1900#

1700#



DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

WELL LOG

			W	err roc	- ALL CAR
FORMATION	COLOR HARD	OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all frest and salt water, coal, oil and gas
CLAY	GREY	SOFT	0 .	5	;
SHALE	RED & GREY	SOFT	5	150	·
SAND & SHALE	BRN	SOFT	150	1830	· · · · · · · · · · · · · · · · · · ·
LIME	BRN	HARD	1830	1930	
BIG INJUN	BRN	HARD	1930	2030	<i>,</i> ,
SAND & SHALE	BRN	SOFT	2030	2390	
BEREA	BRN	SOFT	2390	2400	
GORDON	GREY	SOFT	2590	2640	GAS @ 2670 2/10 1" H ² 0
WARREN	BRN	SOFT	3300	3340	GAS @ 3357 10/10 1" H ² 0
RILEY	BRN	HARD	4450	4570	GAS @ 4581 9/10 1" H ² 0
BENSON	BRN	HARD	4890	4930	GAS @ 4959 10/10 2" H ² 0
r.D.			5085		GAS @ T.D. 5085 10/10 2" H ² 0
			:"		

(Attach separate sheets as necessary)

STONEWALL GAS COMPANY

Well Operator

ENJAMIN A

HARDESTY

VICE PRESIDENT

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed our logical record of all formations, including

FORM WW-2(B)FILE COPY



l)	Date:	July	1		1987
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2) Operator's Keys #1 209-S Well No.

017 47 3575 3) API Well No. State County Permit

STATE OF WEST VIRGINIA

DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

APPLICATION FOR A WELL WORK PERMIT

	DIVISION EPARTM								TION FOR A							,	
	WELL T		A	Oil _		/ G	n		/ Undergro					∠/ Shallow	_X	./)	
									4 Watershe			sland C		Jost IIn	ion /	2-10	
District: West Union 0 6) WELL OPERATOR Stonewall Gas Coope: 2										County: <u>Doddridge/// Quadrangle: West Union 6/C</u> 27850 7) DESIGNATED AGENT <u>Charles W. Canfiel</u>							
6)	WELL O Addre		A I O			Drav			DE. ZION	<u> </u>	Address	ED AGENT _		Draw			
	Addie	33							7.8		Address			ne Lew,		6378	
8)	Jane Lew, WV 26378 Jane Lew, WV 2 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:																
٠,	Name							-1043	3	-,		S.W. Ja			1		
	Addre	1				Box 1					Address	-					
					-	WV 2		j		Buckhannon, WV 26201						1	
10)	PROPOS	ED V	VELI	L WO	RK:	Drill	X	/ Dril	l deener	,	Redrill	/ Stin	nulate	/			
,									n/ P						,		
		4				-			in well (specify)						1		
11)	GEOLOG	ica	LTA	RGE	r forn												
	12) Estin	nated	dept	h of co	mplete	d well,	52	250'		_feet							
	13) Appr	oxim	ate tr	ata de	pths:	Fresh, _			feet;	salt,		feet.					
	14) App	oxim	ate c	oal sea	ım dept	hs:			····	Is coal be	ing mined in	the area? Yes.		/ No_			
15)	CASING	ANI	TU	BING	PROG	RAM											
	SING OR				SPECI	FICATION	s		гоот	AGE INTE	RVALS	CEMENT		PAC	KERS ,	,	
TU	BING TYPE		Size	(Grade	Weight per ft.	New	Used	For drilling	ł	Left in well	OR SA (Cubic			* 1		
Con	ductor	11	. 3	/4			Х		150		1500	Rule	15.05	GIS			
Fres	h water								200		200						
Coal	l						1							Sizes			
Inter	mediate	8	5	/8_			X		1290'		1290'	Rule	15.05	CIS			
Prod	luction	4	1	/2_			Х		5250 '		5250 '			Depths set			
Tubi	ng															1	
Line	rs .	1				•								Perforations:			
		4_												Тор	Bottom		
		#_		1			ļ										
	4	╨														. 1	
		1							OFFICE U	SE ON	_Y						
		į							DRILLING	PERM	IT						
_				47.	-017-	-3575							July	29	19	87	
Pern	nit number	-		7/	017	3313			-				Date	· · · · · · · · · · · · · · · · · · ·			
quire lo. 8	ements sub) Prior to t	ject to he co	o the nstru	condi ction	tions co	ontained Is, locatio	herein a	nd on the	n below is evidente reverse hereo any permitted w work has comm	Notification	ermission gra tion must be addition, the	nted to drill in given to the Di well operator	accordan	ce with the pe	rtinent leg ctor, (Refo otify the p	al re- er to roper	
	permitted rse hereof.	work	is as	descri	bed in	the Notic	e and A	pplication	on, plat, and re	clamatior	plan, subjec	t to any modif	ications ar	nd conditions	specified o	n the	
Pern	nit expires			Ju	ly 2	9, 19	39		unles	s well wor	k is commend	ed prior to that	date and	prosecuted wit	h due dilig	ence.	
B	Bond:	A	gen	ţ:	1	Th) W	PB 6	Fee VI	In In	学的	Other	11			,	
L.				total California	14/	K K	ددر	- '3	814								
TOP	ГЕ: Кеер	one c	ору (of this	permi	t posted	at the di	rilling lo	cation.	Dire	ctor D	vision o	9 / 100/ f 0il	and Gas		File_	

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.