



IV-35 FEB 2 5 1986 (Pew 8-81)

State of Mest Virginia

Bepartment of Mines Gil und Gas Bivision

Date	January	31,	1986
Operator's	3		
Well No	#4		
Farm	Riffle		
API No. 47	- 107	_	1371

WELL OPERATOR'S REPORT

OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

LOCATION:	Elevation: 860'					
	District: Williams	County Woo	<u>d</u>	Quadrangle	≥ Valley I	<u>Mills</u>
ON TO A NIV	Blauser Well Service	. Inc.				
	Marietta, OH 45750		Casing	Used in	Teft	Cement
-	AGENT Stanley K. Wil		Tubing	1	1	fill up Cu. ft.
	Big Springs, WV 261		Size	022223.9	2	
	NER Leo Riffle		20-16			
	Route 1, Williamstow		Cond. 13-10"			
	IGHTS OWNER Leo Riffle		9 5/8			
ADDRESS	Route 1, Williamstow	n, WV 26187	8 5/8	254	254	80 sx
OIL AND G	AS INSPECTOR FOR THIS V	ORK Glen	7			
	n ADDRESS Mineralwe		5 1/2			
	SUED July 10, 1985		4 1/2	2155'	2155'	75 sx
	COMMENCED October 27,		3			
DRILLING	COMPLETED November 2,	1985	2			
	ABLE: PLUGGING OF DRY		Liners			
	S PROGRESSION FROM DRID VERBAL PERMISSION OF		used			-
	n/a					
GEOLOGICA	L TARGET FORMATION	Berea		Dep	th 2100)fee
Dept	h of completed well	2182 feet	Rotary X	/ Cabl	e Tools_	
Wate	r strata đepth: Fresh	60feet;	Salt_8	81 feet		
Coal	seam depths: non	ne	Is coal	being min	ed in the	area? no
OPEN FLOW	מיימת ז					•
	lucing formation	Berea	Pa	y zone dep	th 2100	0fe
Gas:	Initial open flow	3 Mcf/d	Oil: In	itial oper	flow	[r Bbl,
	Final open flow	(40) Mcf/d	Fi	nal open f	low(Bb1
	Time of open fl					
Stat	ic rock pressure 730	psig(surfac	ce measure	ment) afte	er 72 hou	urs shut
(If	applicable due to mult	iple completion	n)			
Seco	ond producing formation		Pa	y zone der	oth	fe
Gas	Initial open flow	Mcf/d	Oil: In	itial oper	r irow	BD1.
	Final open flow	Mcf/d	Oil: Fi	nal open i	flow	Bbl
	Time of open fl	low between ini	tial and f	inal tests	5h	ours
Sta	tic rock pressure	psig(surfac	e measuren	ent) after	rho	urs shut ÍÁR 1 () 19

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

Perforated 2103' - 2105' with 12 shots Fractured well with 250 gal. 15% HCL and 58,500 lbs 12/20 mesh sand and 900 bbls. water.

WELL LOG

				. nu			,	
FORMATION	COLOR	HARO OR	SOFT	TOP FEET	BOTTOM FEET	Including and salt u	REMARKS indication water, coal	of all fresh , oil and gas
	Sand & Shale Sand Shale Shale Shale Shale Shale Shale Shale	njun 69		0 200 552 579 882 900 998 1044 1050 1084 1116 1158 1216 1224 1312 1350 1490 1511 1534 1544 1616 1762 2100 2104	200 552 579 882 900 998 1044 1050 1084 1116 1158 1216 1224 1312 1350 1490 1511 1534 1544 1616 1762 2100 2104 TD	saltwate oil/gas	er	
					TD 2182		. •	•
			·					•.

(Attach separate sheets as necessary)

	Blauser Well Servi	ce, Inc.	
W2	ll Operator		
By:	How M. Hul		
Date:	1/31/86		





1)	Date:	Jur	ne 14,		, 19	85
2)	Operator's Well No	L.	Riffle	# 4		
3)	API Well No.	47]	.07	-1371	
		State	Co	untv		Permi

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DEDT OIL & GAS DIVISION	DEPARTMENT O
DEPT. DE MARIA	APPLICATIO!

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

4) WELL TY	PE: A C	oil X		asX	/				
	B (1	f "Gas",	Production	nX		_/ Underground s	torage	/ Deep	_/ Shallow/)
5) LOCATIO	ON: Ele	evation: _	860)		Watershed:	Ohio R	iver	-
		strict:	Willi			_ County:	Wood	Quadrangle: _	Valley Mills 7.5'
6) WELL OF	PERATOR	Blaus	<u>er Wel</u>	1 Se	<u>rvice,</u>	Inc. 095	7) DESIGNATED	DAGENT Stanle	y K. Wilson
Addres	ss		Box 82			6000	Address	Route	1, Box 116
		Marie	tta, C)H 4	5750	60		Big Sr	orings, WV 26137
8) OIL & GA	AS INSPEC						9) DRILLING CO		
Name			P. Rot			· · · · · · · · · · · · · · · · · · ·	Name	Bill F	Putnam
Addres	SS					ant Est.	Address	Mile i	Run Road
		Hiner	<u>alwell</u>	s, //	y 261	.50		iMarie:	tta, OH 45750
10) PROPOSI	ED WELL	WORK:	Drill	Χ	_/ Drill	deeper	/ Redrill:	/ Stimulate	/
			Plug of	f old	formation.	/ Perfor	ate new formation	/	
			Other p	hysical	change in	well (specify)			
11) GEOLOG	ICAL TAR	GET FOR	MATION	, <u>B</u>	erea	395			
	ated depth				500'	feet			
13) Appr	oximate tra	a depths:	Fresh, _		80'	feet; salt	<u> 1670'</u>	feet.	
14) Appr	oximate coa	l seam dep	ths:	n	/a	Is co	al being mined in the	e area? Yes	/ NoX,
15) CASING	AND TUB	ING PRO	GRAM						
CASING OR	li	SPEC	IFICATION	S	ti	FOOTAGE I	NTERVALS	CEMENT FILL-UP	PACKERS
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	
Conductor			•						/ Kinds
Fresh water	8 5/8'	1-55	24	Х		250'	250'	to surf.	by rule 15.05
Coal							200	to sur.	Sizes
Intermediate									~
Production	4 1/2'	J-55	9.5	χ		2500'	2500'	500' fill	Dru as required
Tubing	1 -7 -	0 00		^		2000		Du	aulo 1/5.01
Liners								1	Perforations:
									Top Bottom
									,11
						OFFICE USE (ONLY		
						DRILLING PE	RMIT		
D	47	-107-1	371						July 10 19 85
Permit number								Da	
This permit cou	ering the w	ell operati	or and we	ll locati	on shown	helow is evidence	of permission grant		nce with the pertinent legal re-
quirements sub	ject to the c	onditions	contained	herein	and on the	reverse hereof No	otification must be g	given to the District O	il and Gas Inspector, (Refer to
No. 8) Prior to	the constru	ction of re	ads, locat	ions an	d pits for	any permitted work	. In addition, the w	ell operator or his cor	itractor shall notify the prope:
						ork has commence			
The permitted	work is as d	escribed in	the Notic	ce and A	Applicatio	n, plat, and reclam	ation plan, subject t	to any modifications a	and conditions specified on the
reverse hereof	Jυ	1y 10.	1987			. 1	_ 1 :		
Permit expires						unless well	work is commenced	prior to that date and	prosecuted with due diligence.
Г									
Bond:	Ager	it:	Plat:	Casi	ng	Fee			
19	A. B.	1	2//	m	17/12	930		_	. 1 -
<u>'''</u>	1100				1 10	12	Vkarge	2 + 1 ()	L/0110
							1 Kinge	ve	7 V
NOTE: Keep	one copy o	f this nern	it posted	at the c	irilling loc	ation	/ A ^{dim}	inistrator, Office of (Oil and Gas
	оле сору о	. iiiis perii	posicu	a (wiiVII.	()		Tall.

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