

IV-35 Rev 8-81)

WELL TYPE:





DEPT. OF MINES

LOCATION: Elevation: 602

OIL & GAS DIVISION State of Mest Mirginia Bepartment of Mines

Gil und Gas Bivision

Date February 1,	1985
Operator's Well No. A-4	
Farm Mayo	
API No. 47 - 107	- 1325

/ Shallow

Quadrangle Valley Mills

· WELL OPERATOR'S REPORT OF

District: Williams County Wood

Oil x / Gas x / Liquid Injection / Waste Disposal (If "Gas," Production x / Underground Storage / Deep

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

Watershed Ohio River

COMPANY Blauser Well Service				
ADDDDCC Maniakka OH ACTCO	f	· T		Cement
ADDRESS Marietta, OH 45750	Caşing	Used in		fill up
DESIGNATED AGENT Stanley K. Wilson	Tubing	Drilling	in Well	Cu. ft.
ADDRESS Big Springs, WV 26137	Size 20-16			
SURFACE OWNER Eugene Mayo	Cond.			
ADDRESS Williamstown, WV 26187	13-10"			
MINERAL RIGHTS OWNER Eugene Mayo	9 5/8			
ADDRESS Williamstown, WV 26187	8 5/8	263	263	to surfa
OIL AND GAS INSPECTOR FOR THIS WORK Glen P.	7		`	
Robinson ADDRESS Mineralwells, WV	5 1/2			
PERMIT ISSUED October 25, 1984.	4 1/2	1920	1920	500'
DRILLING COMMENCED October 31, 1984	3			
DRILLING COMPLETED November 4, 1984	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLOGICAL TARGET FORMATION Berea Sand		Dep	th 1850	feet
Depth of completed well 1961 feet	Rotary X	/ Cable	e Tools_	·
Water strata depth: Fresh 40 feet;	Salt 13	00 feet		
			ed in the	area? No
Coal seam depths:	_ Is coal	perud wru		
-	_ Is coal	being min	ex mi die	
OPEN FLOW DATA	-	-		
OPEN FLOW DATA Producing formation Berea	Pay	y zone dep	th 1850	feet
OPEN FLOW DATA Producing formation Berea Gas: Initial open flow 91 Mcf/d	Pay	y zone dep itial open	th 1850	feet
OPEN FLOW DATA Producing formation Berea Gas: Initial open flow 91 Mcf/d Final open flow 91 Mcf/d	Pay Oil: Ini Fir	y zone dep itial open nal open f	th 1850 flow 1	feet
OPEN FLOW DATA Producing formation Berea Gas: Initial open flow 91 Mcf/d Final open flow 91 Mcf/d Time of open flow between init	Pay Oil: Ini Fir	y zone dep itial open nal open f inal tests	th 1850 flow 1 low 1 24 ho	feet 0 Bbl/d 0 Bbl/d xirs
OPEN FLOW DATA Producing formation Berea Gas: Initial open flow 91 Mcf/d Final open flow 91 Mcf/d Time of open flow between init Static rock pressure 570 psig(surface	Pay Oil: Ini Fir tial and from the measurer	y zone dep itial open nal open f inal tests	th 1850 flow 1 low 1 24 ho	feet 0 Bbl/d 0 Bbl/d xirs
OPEN FLOW DATA Producing formation Berea Gas: Initial open flow 91 Mcf/d Final open flow 91 Mcf/d Time of open flow between init Static rock pressure 570 psig(surfactor) (If applicable due to multiple completion)	Pay Oil: Ini Fir tial and fire measurer	y zone dep itial open nal open f inal tests ment) afte	th 1850 flow 1 low (1 24 ho	feet O Bbl/d O Bbl/d wirs ars shut in
OPEN FLOW DATA Producing formation Berea Gas: Initial open flow 91 Mcf/d Final open flow 91 Mcf/d Time of open flow between init Static rock pressure 570 psig(surface) (If applicable due to multiple completion) Second producing formation	Pay Oil: Ind Fir tial and fir ce measurem n) Pay	y zone depoitial open final tests ment) after	th 1850 flow 1 low (1 24 hor 72 hou	feet 0 Bbl/d 0 Bbl/d nurs nrs shut in feet
OPEN FLOW DATA Producing formation Berea Gas: Initial open flow 91 Mcf/d Final open flow 91 Mcf/d Time of open flow between init Static rock pressure 570 psig(surface) (If applicable due to multiple completion) Second producing formation Gas: Initial open flow Mcf/d	Pay Oil: Ini Fir tial and fir ce measurer n) Pay Oil: Ini	y zone depoitial open fall open fall tests ment) after y zone depoitial open itial open	th 1850 flow 1 low (1 24 hour 72 hour th flow 1	feet 0 Bbl/d 0 Bbl/d purs urs shut in feet Bbl/d
OPEN FLOW DATA Producing formation Berea Gas: Initial open flow 91 Mcf/d Final open flow 91 Mcf/d Time of open flow between init Static rock pressure 570 psig(surface) (If applicable due to multiple completion) Second producing formation	Pay Oil: Ini Fir tial and fir ce measurer n) Pay Oil: Ini Oil: Fir	y zone depositial open final tests ment) after y zone depositial open final o	th 1850 flow 1 low (1 24 hour 72 hour th flow low	feet 0 Bbl/d 0 Bbl/d nurs nrs shut in feet

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. Perforated with 13 shots 1850-56.

Hydraclically Fractured with 50,000 lbs 20/40 sand. 10,000 lbs 10/20 sand.

WELL LOG

	T		REMARKS
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all freshand salt water, coal, oil and gas
	·		
sand & shale	0	492	
shale	492	608	
sand	608	654	
shale	654	790	
sand	790	970	
shale	970	1004	
sand	1004	1038	
shale	1038	1064	
sand	1064	1080	
shale	1080	1233	
sand	1233	1254	
shale	1254	1280	
Big Injun	1280	1495	
shale	1495	1834	•
coffee shale	1834	1850	
ber e a sand	1850	1856	
Devonian shale	1856		oil & gas
•			
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(Attach separate sheets as necessary)

Blauser Well	Service,	Inc.		
Well Operator				
By: April M.	Huk	Aaron M.	Huck	Sec/Treas
Date: February				•

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including and, encountered in the drilling of a well."



)	Date:	Aug	gust	27,	 19_84
1	Operator's	_			

2) Operator's E. G. Mayo #4-1

3) API Well No. 47 - 107 - 1325
State County Permit

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

4) WELL TY	PE: A (-X	/ G	as	X/ -					
	В (If "Gas",	Productio	n	Χ	_/ Undergroun	d storage	/ Deep	/ Shallow X	Λ
5) LOCATIO	N: El	evation: _		02'			Ohio	River	\overline{o})	
		strict:				_ County:	Wood	Quadrangle:	Valley Mills	7.5'
6) WELL OP	ERATOR				rvice,	Inc.	7) DESIGNATE		ley K. Wilson	
Address	·	P.O.	Box 82				Address		e 1. Box 116	
			etta, (5750			Big :	Springs, WV 26	5137
8) OIL & GA				FIED			9) DRILLING (
Name		P. Rob					Name	Haugl	nt. Inc.	
Address		ute 1.		. P1	easant	Est.	Address	4424	Emerson Avenue	3
	<u>M1</u>	neraly	vells,	WV :	26150			Parke	ersburg, WV 261	01
10) PROPOSE	D WELL	WORK:	Drill	Χ	/ Drill	deeper	/ Redrill	/ Stimulate_	/	
			Plug of	f old fo	ormation_		orate new formation		निर्वास्त्र सार्वा	ואותו
									17651	Y]>
II) GEOLOGI	CAL TAR	GET FOR								-
12) Estima	ited depth	of complet	ed well,		2100'	fe	et		SEP 1 4	1984
							alt, 1300		• - •	
14) Appro	ximate coa	ıl seam dep	ths:	1	N/A	ls o	coal being mined in th	ne area? Yes	ON BOGASX DI	VISION
15) CASING A	ND TUB	NG PRO	GRAM							
CASING OR	H	SPEC	IFICATIONS	;	1	FOOTAGI	E INTERVALS	CEMENT FILL-UP	DEPTACKERS N	MIINE
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)		
Conductor								(0.00,000,000,000,000,000,000,000,000,00	Kinds	
Fresh water									Rinds	
Coal									Sizes	
Intermediate	8 5/8	"H-40	24	Χ		250'	250'	to surface		
Production	412"	K-55	10.5	Χ		2100'	2100'	1100'	Depths set	
Tubing							,			
Liners									Perforations:	
								-	Top Botto	
•									· · · · · · · · · · · · · · · · · · ·	
					i	1-1-1		·		
						FFICE USE				
•					D	RILLING P	ERMIT			
ermit number_		47-10	7-1325					Octob	er 25,	84
									ate 19	
his permit cove	ring the w	ell operato	or and well	location	n shown h	elow is evidence	of permission grant		nce with the pertinent le	1
un ements subje	ci to the ci	onaitions c	contained i	ierein ar	id on the	reverse hereof. N	otification must be a	riven to the District O	il and Cac Improvior (D.	
io. 8) Filot to ti	ie construc	tion of to	aas, locati	ons and	pits for ar	ny permitted wor rk has commenc	rk. In addition, the w	ell operator or his co	ntractor shall notify the	proper
							•			
ne permitted wo everse hereof.	ork is as de	escribed in	the Notice	and Ap	plication,	, plat, and reclar	nation plan, subject	to any modifications	and conditions specified	on the
Permit expires _		Octob	er 25,	1986	•	unless we	Il work is commones	l maion to that data and	4	
						uiness we	ii work is commenced	prior to that date and	d prosecuted with due dili	gence.
Bond: 19									•	
1 1	Agen		Plat:	Casing	107	ر کرگا			/ .*	
BLANKET	L	1)	ے ا	//)	12	29			7	
					1/0		// /ar	garet.	X kesse	
					- American continues		Ad-6	instrator, Office of	Oil and Gas	
OTE: Keep or	ne copy of	this permi	it posted a	t the dri	lling locat	ion.	Auni ()	Julian, Office of	on and Jas	
										File
		See 1	the reverse	side of	the APPI	LICANT'S COP	Y for instructions to	the well operator.	•	