



IV-3	5
Rev	8-81)

State of West Wirginia

	September	18, IS	984				
Operator's #2							
Farm_	Liston						
API No	• 47 = 102	_	1202				

Bepartment of Mines Gil und Gas Bivision

		Gu nu Gas	Busion		_471114		-
	C WEL	L OPERATOR'	S REPORT				
DRI	ILLING, FRACTURING A		LATING, O	R PHYSICAL	CHANGE		
7							
	X / Gas X / Liqui 'Gas," Production X					illow <u>X</u> /)	
LOCATION: Elevat	tion: 1460 Wa	atershedI	Rush Run				
Distr	ict: <u>Proctor</u> Co	ounty Wetze		Quadrangle	<u>Wileyvi</u>	lle	
COMPANY Haddad a	nd Brooks Inc						
	ngton Rd.,Box 714, Wasl	hington, PA	Gi		7 - 64	Cement	
	Henry M. Parsons		Casing	Used in	Left	fill up	
-		illo WV 2615	Tubing	Drilling	nu Mell	Cu. ft.	
SURFACE OWNER	iew Dr., New Martinsvi	ine, w v 2013	Size 20-16				
		26505	Cond.				
	x 78, Morgantown, WV		13-10"				
	WNER C. Lemasters et	. aı	9 5/8			200 50-50	. D
	tinsville, WV 26155		8 5/8	1800	1800	360 sx 50:50 75 sx Neat	Poz
	ECTOR FOR THIS WORK DRESS Middlebourne,		7				
			5 1/2				
PERMIT ISSUED	10-31-83		4 1/2	3563	3563	100 sx Thix.	
DRILLING COMMENC			3				i i
DRILLING COMPLET			2				į
CONTINUOUS PROGR	PLUGGING OF DRY HOLL ESSION FROM DRILLING AL PERMISSION OBTAIL	G OR	Liners used				
GEOLOGICAL TARGE	T FORMATION Gordo	n		Den	th 3421	feet	
	mpleted well 3566		Rotary X				
_	a depth: Fresh Unk					ith fluid.	
	lepths: 1299' (Pittsbur						
		g., ,	20 000				
OPEN FLOW DATA	a 1 au	0 1		_		0.400	
_	formation Gordon Stra						
	al open flow 26	Mcf/d		_			
	open flow (26)			nal open f		26) Bb1/d	
	Time of open flow b			•			
Static rock 49 MCR (If applica	pressure 1500	psig(surface	e measurer	ment) afte	<u>r 64 hou</u>	irs shut in	
49 MCR (If applica	ble due to multiple	completion.)	. .	0104	0150 6	
+30 60 Second prod	ucing formation	Berea	Pay	y zone dep	3164-	3170 feet	
FOF for Gas: Initi						4 Bb1/d	
well Final	open flow 123	<u> </u>				4 Bb1/d	
	Time of open flow b						
Static rock	c pressure 530 p	sig (surface	measurem	ent, after	12 DO I	ms sunt in	

7/6/84

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 7/5/84 Perf Gordon with 16 holes 3428-3432'. Perf Gordon Stray with 6 holes

3409-3412'.

Frac Gordon and Gordon Stray with 619 barrels gelled diesel 29,000# 20/40 sand, 4800# 10/20 sand. BDP: 2850 psi. ATP 3150 psi. ATR: 20 BPM. Perf Berea with 20 holes 3162-3167'. Frac Berea with 700 barrels foamed

diesel, 25,500# 20/40 sand, 14,300# 10/20 sand. BDP: 3500 psi. ATR 17 BPM.

ATP: 3070 psi.

WELL LOG

FORMATION	COLOR	HARD OR	SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Undifferen	tiated S	and and S	hale	0	2506'	Pittsburgh Coal @ 1299'.
Greenbrier		Tn-Wt	Н	2506'	2584'	
Big Injun		Clr-Wt	H-M	2584'	2814'	
Shale & Sla	st	Gy-Bn	M-S	2814'	2958'	No.
Weir		Wt.	H-S	2958'	3003'	
Shale & Sla	st	Gy-Gn	S	3003'	3164'	
Berea		Clr.	Н	3164'	3204'	SG
Shale & Sla	st	Gy-Gn	S	3204'	3404	
Gordon Str	ay	Wt.	M	3404	3414'	SOG
Shale		Gy	S	3414'	3421'	
Gordon		Wt.	M	3421'	3439'	SOG
Shale		Gy-Bn	S	3439'	3470'	
Fourth		Wt.	M	3470'	3475'	SG
Shale		Gy	S	3475'	3576'	TD
						All depths from G.L.
						·

1)	Date:			19
	Operator's Well No	Liston	#2	, 17
3)	API Well No.	47 -	103	- 1292
		State	County	Dormin

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION

APPLICATION FOR A WELL WORK PERMIT

4) WE	LL TYF	PE:	A (Dil X	/ G	as>						
			В (If "Gas",			(_/ Underground	storage	/ Deep	/ Shallow	Χo
5) LOCATION: Elevation: 1400			_ Watershed: _	Rush Ru	in Seep —	/ Silatiow .	/)					
				strict:	Proc	ctor		_ County:	Wetzel	Ouadrangle:	Wileyvill	e 7.5'
6) WEI	LL OPE	ERAT	OR.	<u>Hadda</u>	ad & Br	<u>rooks</u>	Inc.	.	7) DESIGNATE	DAGENT Henry	M. Parso	ns
A	Address	9	05	Washir	<u>igton</u> I	<u>≀d.,</u>	P.O. E	3 <u>0x 7</u> 14	Address	121 Glenview		
				ningtor			301-115	53		New Martinsy	ille, WV	26155
				TOR TO		FIED			9) DRILLING C			
				A. Loweral De					Name	<u>Not yet know</u>	1	
А	ddr e ss			llebour			6149		Address			
											······································	
10) PRO	POSE	D WI	ELL	WORK:			_/ Drill	deeper	/ Redrill	/ Stimulate	TO STA	
					Plug of	ff old	formation	/ Perfor	ate new formation	/	17 60	54 V /r
11) CEC	N 001	~	T D	CET 505	Other p	hysical	change in	well (specify)				
11) GEO							3560				111	
				of complet				1661	0000		UCI1	1983
				ta depths: Il seam dep				· 1	2330	feet.		14
15) CAS							1303	Is coa	al being mined in the	e area? Yes	— ∕ou ^N & G	as divisi c
CASING O		י ערי	ODI		JRAM IFICATIONS					!		
TUBING T				i	Weight	ì		EOOTAGE II	NTERVALS	OR SACKS	PEPICKE	Mar Mill.
Conductor			ze 3/4	Grade	per ft.	New	Used	For deilling	Left in weil	(Cubic feet)		
Conductor Fresh water		<u> </u>	3/4				 -	<u></u>	80'	<u> </u>	Kinds	
Coal				 						 		
Intermediate		8	5/8	11				12001	12001	100	Sizes	
Production			1/2		 			1399'	1399'	400 sacks	By Rife	15-05
Tubing		<u> </u>	1/2				 	3560'	3560'	200 sacks or	Depths set	
Liners		<u> </u>								as required	<u> </u>	
									3	by Rule 15	Perforations:	
											Тор	Bottom
										 		
					<u> </u>					Ш		
			-					OFFICE USE C	NI V			
					· · · · · · · · · · · · · · · · · · ·			RILLING PE				
					47-103	129				_	_	
Permit num	nber					147				0c	tober 31,	19 &3
This nermi	t coveri	na th	16 U.	ell operato	r and wall	looptio		-1 1 11		Date	e «	
										ed to drill in accordance		
										ven to the District Oil ell operator or his cont	and Gas Inspector ractor shall notif	or, (Refer to
	8		••••	2 - Hours	octore ac	iuai pei	illitted wo	rk has commenced	.)			
The permits everse here	ted wor	kisa	as de	scribed in	the Notice	and A	pplication,	plat, and reclama	tion plan, subject to	o any modifications ar	d conditions spe	cified on the
everse nere Permit expi					Octobe							
crimit expi	103				<u>ALLODE</u>		, 1985	unless well v	work is commenced	prior to that date and p	prosecuted with d	ue diligence.
<u> </u>											•	
Bond:	nem		gent		lati	Casing		Fee				
VFI D	ROMI	•		1/2			1/4	871			_	
•					·					111		
									Admi	nistrator, Office of Oi	Nnd Ger	
OTE: K	eep one	cop	y of	this permi	t posted at	the dr	illing locat	ion.	Admi	manator, Office of Of	i and Gas	
						• •			for instructions to			File
				t aar	DO FOVOROS	side of	·b- ADDI	TO A NITTLE CORNE				