



IV-35 (Rev 8-81)

MAR 2 8 1986



State of Mest Airginia Bepartment of Mines

Gil und Gas Bivision

Date_	Jan	. 2	2. 1	986	5
Date_ Operat	or's				
Well N	ю	D.	Pet	er	#2A
Farm_					
API No					

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil X / Gas X / Liquid Injection (If "Gas," Production / Underground	/ Wast nd Storag	e Disposa e/ Deep	l/ p/ Sha	llow/)
LOCATION: Elevation: 655 Watershed Mi	ddle Is	land Cre	ek	<u></u>
District: McKim County Pleas				Run 7.5
COMPANY Pethtel Oil & Gas				
ADDRESS P. O. Box 21, St. Marys, WV 2617) 	rrand in	Tage	Cement
DESIGNATED AGENT Zedack Pethtel		Used in		fill up
ADDRESSP. O. Box 21. St. Marys. WV 26170	Tubing	Drilling	in well	Cu. ft.
SURFACE OWNER Dorothy Peter	Size 20-16	1		
ADDRESS Lafayette Ave., St. Marys, WV2617	Cond.			surface
MINERAL RIGHTS OWNER Same	Y-7-10	253	253	159.3 cu
ADDRESS	9 5/8	,		
OT AND CAG DISCRETON DOD MITC WORK Deband	8 5/8			
General Delivery Lowther ADDRESS Middlebourne, WV 2614	7	1697	1697	141.6 cu
PERMIT ISSUED August 19, 1985				
DRILLING COMMENCED Sept. 19, 1985	4 1/2	4306	4306	363 cuft
DRILLING COMPLETED Sept. 26, 1985	3	†		
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2			
CONTINUOUS PROGRESSION FROM DRILLING OR	Liners			
REWORKING. VERBAL PERMISSION OBTAINED ON	useđ			
GEOLOGICAL TARGET FORMATION Alexander-Devoni	an shale	e Dep	th 5002	feet
Depth of completed well 4306 feet R			e Tools	
Water strata depth: Fresh 85 feet;		 '		
Coal seam depths: None				area? No
OPEN FLOW DATA				
	Date	z zone den	+h 3442_	4240 foot
Producing formation <u>Devonian Shale</u> Gas: Initial open flow 650 Mcf/d				
Final open flow 240 Mcf/d				
Time of open flow between initi				
Static rock pressure 960 psig(surface		•		
(If applicable due to multiple completion-		,		
Second producing formation_		zone den	th	feet
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d				
Time of open flow between initial				
Static rock pressurepsig(surface				
parete took bressmebara (surface	" COST CIE	arci arcer		ma ande H

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. The Peter #2A was frac'd in three stages. Each stage consisted of approximately 800,000 scf Nitrogen with treated HCL acid used for break down. The first stage ran from 4033 to 4240 feet with 24 perfs. The second stage ran from 3567 to 3844 with 23 perfs. The third stage ran from 3442 to 3526 with 23 perfs.

WELL LOG

		· · · · · · · · · · · · · · · · · · ·						EMARKS		
FORMATI	ON COTO	R HARD	OR SOFT	TOP FEET	BOTTOM FEET				on of a cal, oil	
· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·				and sa	it wat	er, a	MI, OII	ain c
clay Maxon		ne red	gray st hard	ale0 1351	1350 1376					
Lime		brown	hard	1376	1420					
Shale		gray	soft	1420	1457					
Big		gray	hard	1458	1620					
Shale	0	gray	soft	1621	1730					
Weir		gray	hard	1731	1796					
Shale		gray	soft	1797	1926					
Cant		gray	hard	1927	1938					
	e shale	brown	soft	1939	1964					
Beria		gray	hard	1965	1978					
Shale		gray	soft	1979	2082					
50ft.	breaks	gray		2082	2135					
Shale		gray	soft	2136	2168					
30ft	breaks	gray	h & s	2169	2240					
Gord	n straj			2241	2256	oil	show	2243	- 2256	•
Shale		gray	soft	2257	2276		_			
Gordo		gray	h & s	2277	2312	oil	show	2278	- 2310)
Shale		gray	soft	2313	2355	١		0==4		
Shale	and br.		h & s	2356	2406	011	show	2356	- 2406)
Speed		gray	soft	2406	3258			7050	774.0	
Shale		•	wn h & s		3348	011	show	3259	- 3348	}
Ball		gray	soft wn h & s	3349	3404		-h	7405	74.53	
Shale		gray	wn n & s soft		3451	011	STOM	2405	- 3451	gas
		Bray	wn h & s	3451 3556	355 5 3668	047	ah as	3EE6	7000	į.
Shale	TOTA PI	gray	soft	3669	4180	011	SHOM	2220	- 3668	
Kane		brown	hard	4180	4200	011	chow	/1190	- 4200	
Shale	gr		wn soft	4201	5000T.D	011	PHO#	+100	- 4200	gas
	0-		2010	1.202	20001.1					
					A					
. Dec	by w	ello:								
· t ·	10p .	<i>Huicka</i>	ss							
	r	1240								
t	2 1 5°	1100								

4318 200 4518 260

Pin

(Attach separate sheets as necessary)

Pethtel Oil & Gas

Well Operator

By: 3 cdoek Pethtel

Date: January 22, 1986

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 coal, encountered in the drilling of a well."

AUG 1 6 1955



1)	Date: A	ugus	st 7,	,	19 85
2)	Operator's	70	7 0 .	//0.	

Operator's D. Peter #2A

3) API Well No. 47 -073-1965

State County Permit

DIVISION OF DEPARTMENT OF ENERGY, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

4) WELL	ГҮРЕ:	A C	oil XX	/ G	as X	X/						
				Productio		XX	/ Under	rground sto	rage	/ Deep	/ Shallo	w XX
5) LOCAT	ION:	Ele	vation:	655			Water	rshed: M.	iddle Is	sland Creek		"
			strict:	McKir			Coun	tv: Plea	asants	Ouadrangle	Bens	Run
6) WELL	OPER/			tel O:	il &	_G ace :	DE: <u>37</u>	850 7)	DESIGNAT	EDAGENT Zeda	ck Peth	tel
Add	ress		0. Bo				(180)		Address	P.O. Box		
		St	. Ma	rys, V	VV 20	<u> 5170</u>				St. Mary	s, WV 20	6170
8) OIL &					FIED			9)	DRILLING	CONTRACTOR:		
Name .	Rot		Low						Name C.	T. Drillin	g Corp.	
Add	ress			al Del					Address	Route #1,	Box 55	J
			idale	ebouri		NV 20	<u> 5149</u>			<u>Marietta,</u>	OH 457	50
0) PROPO	SED V	VELL	WORK:	Drill_	<u>CX</u>	_/ Dril	l deeper	r	/ Redrill	/ Stimulate_	_X/	
				Plug o	ff old f	ormatio	n/	Perforate	new formation	on/		
					Mo-	change	in well (spec	:ify)				
1) GEOLO					· , ———	rcel.	ius (4	ــــــــــــــــــــــــــــــــــــــ				
12) Est	imated	depth	of comple	ted well,		00'		feet	3.500.			
13) Ap	proxim	ate tra	ta depths:	Fresh, _		+5 '	feet	; salt,	_1500 '	fect.		_
i4) Ap	proxim	ate coa	l seam de	pths:		None		Is coal l	being mined in t	the area? Yes	/ No	,XX/
5) CASIN	G AND	TUB	ING PRO	GRAM								
CASING OR TUBING TYP	.		SPE	CIFICATION Weight	S		F	OOTAGE INT	ERVALS	CEMENT FILL-UP	PA	CKERS
TOBANG TIT		Size	Grade	per ft.	New	Used	For dri	lling	Left in well	OR SACKS (Cubic feet)		
Conductor	1_3	3/	B H40	50	XX		30 '			-T-	- Kinds 94	.4
resh water		5/	B H40	36	XX		250		250 ' 1	80 sacks	Cu f	ft.
Coal			<u> </u>		<u> </u>						Sizes	
ntermediate	7		J55		XX				1675'	50 sacks	9 cu 1	ît.
roduction	14	-1/2	J55	10.5	XX				5000'	210 sack		
ubing										:		· · · · · · · · · · · · · · · · · · ·
iners				1							Perforations:	
					<u> </u>	L					Тор	Bottom
	<u>.</u>				<u> </u>	<u> </u>						
			<u> </u>	<u> </u>	<u> </u>	<u> </u>						
											_	
								USE ON				
•							DRILLI	NG PERI	MIT			
ermit numb		47-	-073-	1965							August 1	0 1505
Cimit numb							-			····	August 1 Date	9 1985
his permit c	overing	the w	ell operat	or and we	ll locatio	on show	n below is e	vidence of	nermission gra	nted to drill in accoun	lana with the	
uirements su	bject t	o the c	onditions	contained	herein a	ind on the	he reverse he	reof Notific	cation must be	given to the District (iance with the p	pertinent legal re-
,, 0, 1 1101 10	tine co	mati me	טו נט ווטוו	BUS, IOCBLI	DIES WHE	birs in	any perimiti	ru work. 🛧	n addition, the	well operator or his	ontractor shall	notify the proper
	-	-			-		work has co	•				
he permitted	work	is as d	escribed i	n the Notic	e and A	pplicati	on, plat, and	i reclamatio	on plan, subjec	t to any modification	s and condition	s specified on the
verse hereo		Aug	ust :	19. 1	987			. ,,				
ermit expire	s						ur	iless well wo	ork is commend	ed prior to that date a	nd prosecuted w	ith due diligence.
	 		<u> </u>	1		- 1			·	-	•	
Bond:	LA	gent	: :	Plat:	Casi	ng	Fee	WPCP	S&E	Other		
	A	LB		nb	m		021		1			
L	17/	"/			• • •	<u>- 1/</u>			- /		•	
										Y-170. 1.	^	
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