

IV-35 (Rev 8-81)

RECEIVED



OIL & GAS DIV. State of Mest Mirginia
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DEPT. OF MINES
DEPT. OF MINES

Date	June 12, 1985	_
Opera	or's	
	No. CNGD WN 1168	_
Farm	Robinson	_
	0. 47 - 033 - 3195	_

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

LOCATION: Elevation: 1243.7 Watershed E			·	
District: Eagle County Harris	son (Quadrangle	Wallac	e 7.5'
COMPANY CNG Development Company				Cement
ADDRESS P. 0. Box 15746 Pittsburgh, PA 15244	Casing	Used in		fill up
DESIGNATED AGENT Gary A. Nicholas	Tubing	Drilling	in Well	Cu. ft.
ADDRESS Rt. 2 Box 698 Bridgeport. WV 26330	Size			
SURFACE OWNER Perry C. & Marie Williams	20-16 Cond.			
ADDRESS Box 276 Lumberport, WV 26386	111-3/4 12-10	214	214	To Surf.
MINERAL RIGHTS OWNER J. Nelson Swiger Est. etal	9 5/8			
ADDRESS	8 5/8	1395	1395	To Surf
OIL AND GAS INSPECTOR FOR THIS WORK	7			
Stephen Casey ADDRESS Rt. 2 Box 232-D Jane Lew. WV 26378	5 1/2			
PERMIT ISSUED April 29, 1985	4 1/2	4736	4736	470 sks
DRILLING COMMENCED May 20, 1985	3			
DRILLING COMPLETED May 30, 1985	2 1-1/	2 4609	4609	
IF APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners			
ON VERBAL PERMISSION OFFICE				
GEOLOGICAL TARGET FORMATION Benson		Dej	oth 4750	0feet
	Rotary	X / Cab	le Tools_	
Water strata depth: Fresh 200 feet;	Salt	fee	t	
Coal seam depths: 990 - 995	Is coal	being mi	ned in th	ne area?_No
Coar seam depuis	•			
OPEN FLOW DATA Producing formation Speechley	7.	somo de	nth 3473	-4626 -3494 feet
Producing formation Speechlev		y zone de	2 5 2005	-31/1Bb1/6
Gas: Initial open flow Mcf/d	011: 11	iitiai ope	£1~:1	
Final open flow 411 Mcf/d	P.	mar open	1100	house
Time of open flow between init	ial and	inal test	25 <u>4</u>	ours chut i
Static rock pressure 790 psig(surface		ement) alt	24_1V	oms and a
(If applicable due to multiple completion	1)	3.		foo
Second producing formation	P	ay zone de	epen	
Gas: Initial open flow Mcf/d	Oil: I	nitial op	SU LION	
Final open flow Mcf/d	Oil: F	inal open		BD1/
Time of open flow between ini	tial and	final tes	ts	nours
Static rock pressurepsig(surface	e measure	ment) aft	erh	ours snur

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

Perfco ran Corrlog & Perf. Benson 4622 - 4626; 10 holes (.39)
Halliburton Water Frac Benson - Break 2200, Avg TPSI 3200, Avg Rate 25 BPM, HHP used 1960,
Screened off @ 3#/gal ISI 3800, used 32,000# 20/40 Sand.
Perfco Perf. Balltown 3473 - 3478, 8 holes; 3494, 1 hole and 3496, 1 hole (.39)
Halliburton Water Frac Balltown - Break 1800, Avg TPSI 2100, Avg Rate 25 BPM, HHP used
1286, ISI 1200, 5 min 1200, used 45,000# 20/40 Sand.
Perfco Perf Speechley Sand 3005 - 3008, 3 holes; 3146, 3147, 3154, 3155, 3156, 3170
and 3171. (.39)
Halliburton Water Frac Speechley - Break 2800, Avg TPSI 3000, Avg Rate 30 BPM,
HHP used 2095, ISI 1800, 5 min 1500, used 40,000# 20/40 Sand.

WELL LOG

	1	T	REMARKS				
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fresh and salt water, coal, oil and gas				
Clay	0	33	Water @ 200' - 1"				
Sand & Shale	33	190	690' - 1/2"				
Lost Circulation	190	191	910' - 1"				
Sand, Shale & RR	191	990					
Coal	990	995					
Sand, Shale & RR	995	1510					
Big Lime & Injun	1510	1650					
Sand & Shale	1650	4762	T.D. Benson at T.D.				
LOG TOPS							
B. Lime/B. Injun	1519	1663					
Pocono .	1693	1717	Longitude of the Board				
50'/	2147	2188					
30° v	2226	2250					
Gord. Stray/Gordon	2280	2385					
4th	2390	2452					
Warren	2924	2964					
U. Speechley/Speechley/	3132	3270					
Balltown	3382	3523					
Bradford >	3900	4026					
Riley	4263	4484					
Benson	4620	4630					
			,				
•							

(Attach separate sheets as necessary)

DEVELOPMENT COMPANY	
Operator /1/1	
11 11/1/	
Jan X Machan	_
June 12, 1985	

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."

	PH T	CORV		F	=	ALL DE		1)	Date:	Febru	uary 7,	, 19_85
IM IV-2(B)	بالكاد	WE	NP C	•	能				Operator's Well No	1168		·
N'S		AB	HIE =	APR	6				API Well No.	45	-033-3	195
Ma-			AL &) ž		11111111		-,		State	County	Permit
F	EB 15	1985	ಇನ	6.3								
- OII		e DIV	≥ દ			E OF WEST		DI	ucios:			
		S DIV.	Z	DE RI			IL AND GAS ILL WORK P					
		MINES	_	<u> AFFI</u>		TOKA WE	LL WURK I	ERIV	111			
WELL TYP					رك	5						. y -
- LOCATIO	=	f "Gas", F	1040						ett Run	·	_/ Shallow	<u>X</u> _/)
LOCATIO		vation: strict:	Eagle	<u>,,,</u>		Watershed: County:	Harriso			Iranole:	Wallace	7.5'
WELL OP	RATOR	CNG De	evelop						-		Gary Nich	
Address						<u>15</u> 746	Add				Corporate	
		ittsbur			14	70110					geport. W	26330
OIL & GAS		tor to i tephen		FIED		10	9) DRILL Name		CONTRACTO		ling Compa	- m. /
Address		2, Bo		·D				ress			48 	•
		ne Lew,									WV 2620	
PROPOSE	D WELL	WORK:	Drill	X/	Drill	deeper	/ Redri	ill	/ Stir			-
			Plug of	f old form	nation	/ Perfe	orate new for	rmati	ion/			
GEOLOGI 12) Estima						fee		-				
13) Approx	ieu depiii (rimate trat	or complete	eu wen, _ Fresh	632.	1287		•	_	feet.			
							•				/ No	X
CASING A		-										
SING OR BING TYPE		1	IFICATIONS Weight				E INTERVALS	_	OR S	FILL-UP ACKS	PACK	ERS
uctor	Size	Grade	per ft.	New L	Jsed	For drilling	Left in	well	(Cubi	c feet)	Kinds	
water	11-3/4	H-40	42	Х		- 40	•	40	To sur	face	By Rule	15.05
											Sizes	-1
nediate	8-5/8	1	23	X		1350	13	50	To sur		By Rule	15.05
uction	4-1/2		10.5	X		475 0	47	50	200-40	00 sks	Depths set	
ng .	1-1/2	LN-55	2.75	X			-				By Rule Perforations:	15.01
3											Top	Bottom
		<u> </u>										
					O.E.	FICE USE	ONLV		······································			
						ILLING P						
	4	7-033-	3195							April	29.	19 85
nit number_										Da		19 03
nermit cove	ring the w	vell operato	or and wel	Location	shown bel	low is evidenc	e of permissio	n gr:	anted to drill it		nce with the per	tinent legal re
ements subje	ect to the c	conditions of	contained :	herein and	l on the re	verse hereof.	Notification r	nust	be given to the	District C	oil and Gas Insp	ector, (Refer t
						y permitted was commen		n, th	e well operator	or his cor	ntractor shall no	tify the proper
,	-			=				subie	ect to any modi	fications a	and conditions s	necified on the
rse hereof.		pril 2				, 10010			wang moul		a conunions s	,
nit expires		· P + 1	-, 1,0	• •		unless w	ell work is con	nmen	iced prior to tha	it date and	prosecuted with	due diligence
			1									
lond:	Age	nt:	Plat:	Casing	Fe	e						
28	W	HIV	2711	m	460	97	20				, ,	
		· ~ // /				7	1 / k	W	aret.	<u>J.</u>	Hass	ı
						, -	7	A	dministrator, (Office of (Oil and Gas	
TE: Keep o	ne copy o	f this perm	nit posted	at the drill	ling location	on.	(<i>'</i>				File
Parties		<u></u>	the revers	e side of t	he APPI I	CANT'S CO	PY for instruc	tions	to the well op	erator		r inc
		3767		- orac VI t	THE LAND			v 113	, w.c. wen d u			