

IV-35 (Rev 8-81)



Islade of Mest Airginia Beparlment of Mines Gil und Gas Zivision

Date	≥ Au	ıgus	st 2	27,	1987			
Operator's								
Well	No	•	Hai	rtle	y #1	Well		
Farm								
API	No.	47		033		3393		

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

LOCATION: Elevation: 1147' Watershed S	hinns Run			
District: Clay County Harri	son	Quadrangle	⊇ Clarksb	urg 7.5'
COMPANY Chesterfield Energy Corporation				16
ADDRESS 203 West Main St., Clarksburg, WV 26301	Caşing	Used in	Left	Cement fill up
DESIGNATED AGENT Samuel J. Cann	Tubing	Drilling	in Well	Cu. ft.
ADDRESS 203 West Main St., Clarksburg, WV 26301	Size			
SURFACE OWNER Jeane & Gene T. Westin	20-16 Cond. 11 3/4			
ADDRESS 34 Lundy Ct., Sacramento, CA 95822	11 3/4 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx			
MINERAL RIGHTS OWNER Daisy Hartley Heirs	9 5/8			
ADDRESS 221 Glassglow Rd, Pittsburgh, PA 15221	8 5/8		970'	210 sks
OIL AND GAS INSPECTOR FOR THIS WORK Stephen Rotue #2, Box 232-D Casey ADDRESS Jane Lew, WV 26378	7			
Casey ADDRESS Jane Lew, WV 26378	5 1/2			
PERMIT ISSUED January 2, 1987	4 1/2		3390'	250 sks
DRILLING COMMENCED August 19, 1987	3			
DRILLING COMPLETED August 22, 1987	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLOGICAL TARGET FORMATION Speechley		Dep	th	feet
Depth of campleted well 3457 feet F	Rotary_X	X / Cable	e T∞ls_	
Water strata depth: Fresh None feet;	Salt	feet		
Coal seam depths: 163'-167',206'-209',306'-309'	Is coal	being min	ed in the	e area?
OPEN FILOW DATA				
Producing formation Speechley	Pa	y zone dep	th_3348'-	3356' fee
Gas: Initial open flow 189 Mcf/d	Oil: In	itial cpen	flow	Ebl/c
Final open flow 410 Mof/d	Fi	nal open f	low	Ebl/c
Time of open flow between initi	al and f	inal tests	ho	ours
Static rock pressure 804 psig(surface	neasure	ment) afte	rhou	ırs shut i
(If applicable due to multiple completion-	-)			
Second producing formation <u>Fifth Sand</u>	Pa	y zone dep	th 2650'-	2694' feet
Gas: Initial open flow Mcf/d COMMINGLED WITH FIRST STAGE Final open flow Mcf/d				Ebl/d Ebl/d
-			-	
Time of open flow between initi				

(PEVERSE)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, EIC. "

Speechley

5,000# 80/100; 32,000# 20/40

517 BBLS Water

Fifth Sand

5,000# 80/100; 35,000# 20/40

609 BBLS Water

WELL LOG

FORMATION COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh
Fill Shale Sand & Shale Coal Sand & Shale Red Rock Shale Shale Sand & Shale So' Sand Sand & Shale Sth Sand Shale Speechley Shale TD		0 5 53 163 167 206 209 306 309 363 365 542 590 921 937 1043 1102 1232 1584 1650 1735 2150 2198 2258 2650 2694 3348 3356 3457	5 53 163 167 206 209 306 309 363 365 542 590 921 937 1043 1102 1232 1584 1650 1735 2150 2198 2258 2650 2694 3348 3356 3457	AUG 31 1987 DIVISION OF OIL & GAS DEPARTMENT OF ENERGY Gas Ck @ 1609' No Show Gas Ck @ 2360' 4/10-1" w/w Gas Ck @ 2578' 8/10-1" w/w Gas Ck @ 2735' 6/10-1" w/w Gas Ck @ 3330' 6/10-1" w/w Gas Ck @ 3456' 20/10-2" w/w Gas Ck @ Collars 20/10-2" w/w

(Attach separate sheets as necessary)

CHESTERFIELD ENERGY CORPORATION

Xemuel

Wall Operator

Date:

August 27, 1987

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 with, encountered in the drilling of a well."



1)	Date:	December	. 19 86	
	Operator Well No		ey #1 We	11

County

Permit

File

3) API Well No.

STATE OF WEST VIRGINIA

	DIVIS DEPAR	ION OF TMENT	OIL& O	AS _{.DEF}	ARTM	IENT C	F ENERGY, (OIL AND G	AS DIV	ISION		
4)	WELL TY						IZOIN EOR A W	IND W CICL	A E ENGINEER	<u>.</u>		
.,				Production		(/ Undergrou	nd storage _		/ Deep	_/ Shallow _	X/)
5)	LOCATIO		vation:		471		Watershed:	: <u>Shinns</u>	<u>Run</u>			
-,			trict:		y 1638			<u>Harrisor</u>	0.3	3 Quadrangle:	Clarksbur	g 7.51 29
6)	WELL OP						DE: <u>9550</u>	7) DES	IGNATE	DAGENT Samue	I J. Cann	
,	Address	20)3 Wes	<u>t Main</u>	Stre	<u>et </u>		Α	ddress	<u>203 West M</u>		
	,	C1	arksbi	urg. W	V 26	5301				Clarksburg	<u>, WV 2630</u>	11
8)	OIL & GA	S INSPEC	TOR TO	BE NOTI	FIED			9) DRII	LLING C	ONTRACTOR:		
,	Name	Stepher	ı Case	У				Nam	ie			***************************************
	Address			#2, Bo		2-D		Α	ddress	Unknown		
			<u>Jane Le</u>	ew. WV	263	378						·
10)	PROPOSE	D WELL V	WORK:	Drill	X	_/ Drill	deeper	/ Re	drill	/ Stimulate	<u>X</u> /	
10,	1101000		• • • • • • • • • • • • • • • • • •				n/ Per					
				-			n well (specify)_					
11)	GEOLOGI	CAL TAR	GET FOR					3				
2 2 7	12) Estima	sted depth o	of complet	ed well.	3!	550		ect				
	13) Appro	ximate trat	a denths:	Fresh.	60	1	feet;	salt,		feet.		
	14) Appro	ximate coa	l seam den	ths: 1	69',	400'				e area? Yes	/ No	
15)	CASING A		-									
ŕ	ASING OR	11		IFICATION	5		FOOTA	GE INTERVALS	6	II CEMENT FILL-UP	l PACKE	RS
	BING TYPE		1	Weight	1	Used	For drilling	1	't in well	OR SACKS (Cubic feet)		4 · 2
		11 3/4	Grade H-40	per ft. 42	New	Useu	16'	120	161	(Cubic rect)	Kinds	
	ductor	11 3/4	11-40	4-2		1	10		10		Killas	***************************************
	h water			 							Sizes	$\Omega = 0$
Coa		0 5/0	7 55	22	X		9791		9791	Circulate to s	11	15.05
Inte	rmediate	8 5/8		23	7	1	9/9					14/10/-1-3
Proc	duction	4 1/2	J-55_	10.5	<u> </u>	-			500'	350 SKS on	1 7/ / //	- 1
Tub	ing	 		-		ļ				REQUIRED B	11 -	1,0
Line	rs				ļ	-					Perforations:	
		<u> </u>		ļ							Тор	Bottom
						ļ						
		1			<u> </u>	<u> </u>				1		
							OFFICE US	E ONLY				
							DRILLING	PERMIT				
-		4	47-033	-3393				-		Janua	ry 2	₁₉ 87
Peri	mit number_		17 055				_			Da	le .	
ma. t.			-11	a. anda	II loonti	on show	n halow is avide	oca of narmic	cion eran	ted to drill in accordar		inent legal re-
1 nis	s permit cove	ering the w	en operati onditions	or and we	herein :	and on the	he reverse hereof	Natification	muct he c	iven to the District Oil	and Cas Inspect	or (Pefer to
Vo. 8	B) Prior to th	e construct	tion of ros	ads, locati	ons and	pits for	any permitted w	ork. In addi	tion, the	given to the District Oil well operator or his cor	tractor shall not	ify the proper
dist	rict oil and g	as inspecto	or 24 hour	s before a	ctual pe	ermitted	work has comme	enced.)				
The	permitted w	ork is as d	escribed in	n the Noti	ce and A	Applicati	on, plat, and rec	lamation pla	n, subject	to any modifications a	nd conditions sp	ecified on the
	erse hereof.				,	••						
Peri	mit expires _		Januar	y 2,	1989		unless	well work is	commence	ed prior to that date and	prosecuted with	due diligence.
						/_				/	,	
Γ,	D J -	A		VT	0	V	Eco Tim	CD V	VE VI	Other		
and the same of	Bond:	Agent		Plat:	Casi	RR	Fee WP	* ·	SEE	Other	1	
rendelectors		1/2	13 1	(h)	18.	~ 16	828 16	17/1	(0)	20/1/		
Ŀ							162			1771111		

NOTE: Keep one copy of this permit posted at the drilling location.