



"IV-3<mark>5</mark> (Rev 8-81)

RECEIVED OCT 27 1987

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

State of Mest Birginia

Peparlment of Mines Gil und Gas Bivision

Date_	Octobe	er 20,1	987	
Operat	or's			
Well N	o. Und	derwood	1 #4	Well
Farm_				
API No	. 47 -	095	- 12	215

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection (If "Gas," Production / Undergrou	/ Wast and Storag	ce Disposal ge/ Deep	/ Sha	llow <u>X</u> /)
IOCATION: Elevation: 762' Watershed Bi	g Run of M	Middle Islar	nd Creek	
District: Centerville County Tyle				nion 7.5
OMPANY Chesterfield Energy Corporation				
ADDRESS 203 West Main St., Clarksburg, WV 26301	Casing	Used in	Left	Cement
DESIGNATED AGENT Samuel J. Cann	Tubing	Drilling	in Well	fill up Cu. ft.
ADDRESS 203 West Main St., Clarksburg, WV 26301	Size	1		
SURFACE CANER Ralph & Ethel Underwood	20-16			
ADDRESS Rt. #2, Box 177, Pennsboro, WV 26415	13-10"		13'	
MINERAL RIGHTS OWNER Ralph & Ethel Underwood	9 5/8		13	
ADDRESS Rt. #2, Box 177, Pennsboro, WV 26415	8 5/8		924'	230 sks
OIL AND GAS INSPECTOR FOR THIS WORK Robert	7		324	250 383
Lowther ADDRESS Middlebourne, WV 26149	5 1/2			
PERMIT ISSUED October 2, 1987		┨───	4767'	210 sks
DRILLING COMMENCED October 9, 1987	4 1/2		4707	210 383
DRILLING COMPLETED October 14, 1987	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLOGICAL TARGET FORMATION Benson		Dep	t h	fcet
Depth of campleted well 4825 feet 1	Rotary XX	/ Cabl	e T∞ls_	
Water strata depth: Fresh 45',108' feet;	Salt	feet		
Coal seam depths: None				area?
OPEN FILCW DATA				
		y zone dep	-	
Gas: Initial open flow 68 Nof/d				
Final open flow 620 Nof/d				
Time of open flow between init.		•		
Static rock pressure 1480 psig(surface		ment) afte	r hou	irs shut in
(If applicable due to multiple completion		•		
Second producing formation Riley		_		
Gas: Initial open flow Mcf/d "COMMINGLED WITH FIRST STAGE" Final open flow Mcf/d	Oil: In	rerar obeu	1~* TTOM	tɔ1/d
Final open flow Mcf/d Time of open flow between init				
-			NO	1452shu 1997 n
Static rock pressurepsig(surface	neasuren	arci arcer	1706	ம அ வப ் த்தி

(PEVERSE)

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

Benso**n**

75 Quality Foam 35,000# 20/40 Sand

Riley

75 Quality Foam 35,000# 20/40 Sand



WELL LOG

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all freshand salt water, coal, oil and ga
Fill Sand & Shale Sand Sand & Shale Red Rock Sand & Shale Red Rock Shale & Red Rock Big Lime Injun Shale - Weir Sand & Shale Shale Shale Shale Shale Shale Riley Shale Benson Shale TD	0 15 25 108 264 273 439 477 1640 1696 1870 2018 2130 2710 3136 3208 3710 4295 4330 4698 4714 4825	15 25 108 264 273 439 477 1640 1696 1870 2018 2130 2710 3136 3208 3710 4295 4330 4698 4714 4825	1" stream @ 45' 1%" stream water @ 108' Gas Ck @ 1981' Odor Gas Ck @ 2477' 34/10-1" w/w Gas Ck @ 4829' 44/10-1" w/w Gas Ck @ DC 42/10-1" w/w

(Attach separate sheets as necessary)

CHESTERFIELD ENERGY CORPORATION

Well-Operator

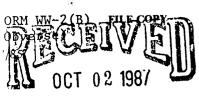
By:

Date:

October 20, 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 coal, encountered in the drilling of a well."





1) Date:	Sept.	28	19_87
2) Operator's	•	wood No.	4
3) API Well No.	47	095	1215
5, 1111	State	County	Permit

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

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

APPLICATION FOR A WELL WORK PERMIT

				x	_			/ Deam	/ Challon	
	B (If	"Gas", P	roduction	^		Underground st	orage	Middle Islan		·/)
5) LOCATION		ation:	70Z	w 1	10				est Uni	on 7 5 1
	Dist	rict:	Cente		CODE .	County:	DESIGNATED	ACENT Samue	1 .1 Ca	nn
6) WELL OPE	RATOR_	Chest	erfiel			9550		AGENT Samue	. Main	C+
Address			<u>. Main</u>				Address			WV 26301
			sburg,		26301				soury,	WV 20001
8) OIL & GAS							9) DRILLING CO	INTRACTOR:		
Name			<u>t Lowt</u>				Name			
Address			al Del			_	Address			
		_Middl	ebourn	e, W	V 2614					
0) PROPOSEI	WELL V	VORK:	Drill	Х	/ Drill			/ Stimulate	X/	
-,			Plug off	old fo	rmation	/ Perform	ate new formation			
			Other ph	ysical o	hange in w	ell (specify)				
i) GEOLOGIC	CALTARO	GET FOR								
12) Estimat	ted depth o	f complete	d well,	50	00	feet				
13) Approx					55	feet; salt,	N/A	feet.		
14) Approx					/A		al being mined in the	e area? Yes	/ No	/
					 		•			
5) CASING A	וומטז מעי				51	FOOTAGE I	NTERVALS	1 CEMENT FILLUP	PA.	CKERS .
CASING OR TUBING TYPE		SPEC	IFICATIONS Weight					OR SACKS		
	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	W:-J:	(
Conductor	113/4	H-40	42	X		16'	0'		Kinds	2000 R
Fresh water	85/8	ERW	23	X		999'	999'	CTS by Rule	1 5.0 5	38CRR18-
Coal									Sizes	
ntermediate								1 281CD/Q-	//-/	
	415	J-55_	10.5	У		5000'	4950'	Ry Rule	Depths set	
Production	42	U=33_	10.0							
		1								
Tubing									Perforations:	
Tubing									<u> </u>	Bottom
Tubing									Perforations: Top	
Tubing									<u> </u>	
Tubing									<u> </u>	
Tubing									<u> </u>	
Tubing									<u> </u>	
Tubing						FFICE USE			<u> </u>	
Tubing						FFICE USE			<u> </u>	
Fubing Liners		005.11	215					October 2	Тор	
Fubing Liners	47-	-095-12	215					October 2	Тор	Bottom
Fubing Liners Permit number					D	RILLING PE	ERMIT	Dat	Top	19 87
Permit number	ring the w	ell operate	or and wel	Il locati	on shown b	RILLING PE	OF permission gran	Dan Ited to drill in accordan	Top	19 87 pertinent legal re-
Permit number This permit cove	ering the w	ell operate	or and wel	nerein	on shown b	RILLING PE	of permission gran	Dan Ited to drill in accordan	Top	19 87 pertinent legal re-
Permit number This permit cover quirements subject to the second state of the sec	ering the w	ell operate	or and wel	nerein a	on shown b	RILLING PE below is evidence reverse hereof No	of permission gran	Dat	Top	19 87 pertinent legal re-
Permit number This permit covequirements subjection. 8) Prior to the district oil and getting the	ering the weet to the constructions inspector	rell operate onditions tion of ros	or and wel contained ads, locations s before a	nerein a ons and ctual pe	on shown be pits for an ermitted wo	RILLING PE below is evidence reverse hereof No y permitted work rk has commence	of permission gran diffication must be g in addition, the	Dated to drill in accordar given to the District Oil well operator or his cor	te nce with the and Gas In	19 87 pertinent legal respector, (Refer to notify the proper
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Permit number This permit covequirements subjective of the district oil and good from the permitted were seen the expires.	Agent	rell operate onditions of ros or 24 hour escribed in Octob	or and well contained ads, locations before a note Notice er 2,	tons and octual percent of the control of the contr	on shown beand on the pits for an ermitted wo Application	relow is evidence reverse hereof No y permitted work rk has commenced, plat, and reclan unless we	of permission gran diffication must be gain addition, the sed.) nation plan, subjects ll work is commenced S&E WM	Dated to drill in accordangiven to the District Oil well operator or his core to any modifications and prior to that date and	Top te ance with the and Gas In and condition I prosecuted	pertinent legal respector, (Refer to a notify the proper ins specified on the with due diligence.