





TV-35 (Rev 8-81)

DIVISION OF OIL & GAS DEPARTMENT OF ENERS State of Mest Mirginia

Bepartment of Mines Gil und Gas Bivision

Opera	<u>December 12, 1986</u> tor's No. #1	-
Farm	Minnie Grose 0. 47-067 - 616	_

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

EIL TYPE: $0il$ / Gas X / Liquid Injection (If "Gas," Production X / Underground				low_x_/)	
OCATION: Elevation: 1152' Watershed Lin	ne Creek	of Peter	rs Creek		<u>.</u>
The Tree Tree Tree Tree Tree Tree Tree T					1
CMPANY D. C. Malcolm, Inc.	Casing	Used in	Left	Cement fill up	
ADDRESS 1006 Commerce Sq., Charleston, WV	Tubing	Drilling	in Well	Cu. ft.]
ADDRESS 1006 Commerce Sq., Charleston, WV	Size -			,	
SURFACE OWNER Minnie D. Grose, et. al.	20-16 Cond.				4
ADDRESS P.O.Box 772, Summersville, WV	13-10"	•			4
MINERAL RIGHTS OWNER Same as surface	9 5/8	310'	310'	150 sx	(surf)
ADDRESS Same	8 5/8				4
OIL AND GAS INSPECTOR FOR THIS WORK Craig	7				4
Duckworth ADDRESS Gassaway, WV 26624	5 1/2				4
PERMIT ISSUED 11-5-85	4 1/2	1960'	1960'	200 sx	4000')
DRILLING COMMENCED 11-8-85	3				-
DRILLING COMPLETED 11-13-85	2				\dashv
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used				
01/		De	p th 18	334fe	et
GEOLOGICAL TARGET FORMATION Injun Sand	Potary	y / Cab	le Tools		
Depth of completed well 2000 feet	Salt	 fee	et		•
Water strata depth: Fresh feet; Coal seam depths: None	Ts coa	l being mi	ned in th	ne area?_1	<u>10</u>
Coal seam depths: None	_		[1630	'-34'; [16	652'-57
OPEN FLOW DATA Producing formation Big Lime	P	ay zone de	1721 pth <u> 1754</u>	-25', 1 -1782 fe	et
		L			
mi i man flow (250) MCI/Q	-				L/d
	itial and	ITIMI (E2	<u> </u>		
Static rock pressure 360 psig(surf	ace measu	rement) af	ter 72 h	iours shut	ın
multiple completi	on) .				
formation		ray zone c	en tlen	Bb	1/d
MCI/O		TITICIAL OF			
First open flow Mcf/d	011:	Final oper	1 110W		-
Time of open flow between in	utial and	coment) af	ter	hours shut	: in
Static rock pressurepsig(surfa	ace measur	Co.	ntirue on	reverse s	1986 side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. Perforated 1754'-1782' w/32 holes. Acidized with 2000 gal. 15% HCl Perforated 1721'-1725' w/9 holes & 1732'-1738' w/13 holes. Acidized w/2000 gal 28% HCl and 2000 gal 15% HCl Perforated 1630'-1634' w/17 holes & 1652'-1657' w/21 holes. Acidized w/4000 gal 15% HCl

	· WI	ELL LOG	
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, pil and gas
Sand & Shale Sand & Shale Sand & Shale Sand (Maxton) Shale Lime Shale Lime (Big Lime) Sand (Injun) Shale	0 596 694 1348 1442 1474 1550 1580 1824 1834	596 694 1348 1442 1474 1550 1580 1824 1834 2000'	S/G S/G Total Depth
•			
, a			

(Attach separate sheets as necessary)

D. C. Malcolm, Inc.
Well Operator
By: Do Malue
By: Tricked
Date: December 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 well, encountered in the drilling of a well."

FORM WW-2(B) (Obverse) 7/85





1)	Date:	 	October	31	,	13 85
	_	_				

) Operator's Well No. Grose

3) API Well No. 47 - 067 - 0616
State County Permit

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

4)	WELL TY	PE: A Oi	1	/ G	as	<u> </u>								
		B (If	'''Gas'', I	Productio	n	X/	-	-	torage		Deep			/)
5)	LOCATIO	N: Ele	ation: _		52'		Waters	shed:	Line Cr	eek o	f Pete	rș Cr	eek	
			trict:			on 549			Nichola		Quadrangle:	LOCKI		7.51
6)	WELL OP						: <u>299</u>	100	7) DESIGNAT	TED AGE	VT D.	C. M	alco	lm
	Address			mmerc					Address	100	6 Comm	erce	Squa	re
		<u>Cha</u>	rles	ton,	WV 2	25301				Cha	rlesto	n, WV	253	01
8)	OIL & GA				FIED				9) DRILLING	CONTRA	ACTOR:			
	Name _C:								Name	Unknor	wn			
	Address			-		on Rt.			Address					···
		<u>Gas</u>	sawa	y, WV	26	6624								·
10)	PROPOSE	D WELL V	VORK:	Drill	X	_/ Drill	deeper_		/ Redrill		Stimulate_	<u> Y</u>	/	
				Plug o	ff old f	formation		Perfora	ite new format	ion	/	_		
				Other p	hysical	change in w	vell (speci	ify)			***			
11)	GEOLOGI	CAL TAR	GET FOR	MATION	ı,1	njun s	Sand	371			, ,			
	12) Estima													
	13) Appro	ximate trata	depths:	Fresh, _		80	feet;	salt,	800	f	eet.			
	14) Appro	ximate coal	seam dep	ths:	ur	known		Is coa	al being mined in	the area?	Yes		No	X/
15)	CASING A	ND TUBI	NG PRO	GRAM										
	SING OR	1	SPEC	CIFICATION	s	ti	FO	OTAGE I	NTERVALS	CE	MENT FILL-UP	. 1	PACK	ERS
TU	BING TYPE	Size	Grade	Weight per ft.	New	Used	For drill	ling	Left in well	l	OR SACKS (Cubic feet)	1		
Cond	luctor	1		1	1				7 / A			Kinds		
Fresh	water	9-5/8		36	x		3.0	0'	300'	Su	rface 4	/ #	ule	15.05
Coal		1 3/4			1				500		1400	Sizes		N. V.
	mediate											/ 5.263		
	uction	45"		10.5	x		210	101	2100'	100	201 62	a doept	145.11	ind
Tubii				10.5	1				2100	1100	h.		-	E A /
Line.				1							ug	Perfor	4	0-01
					1		-			1		Top		Bottom
		1 1		<u> </u>	†							100		Bottom
					T							1		
						1								
						0	FFICE	USE C	NI Y					
							RILLIN							
Pern	nit number_	<u>47-</u>	067-0	616							No	vembe	<u>r 5</u>	¹⁹ 85
												Date		
This	permit cove	ring the we	ll operate	or and we	ll location	on shown be	elow is ev	idence o	of permission gr	anted to d	rill in accord	lance with	the per	tinent legal re-
quire Vn. 8	oments subjection that	e constructi	ion of ros	contained de locati	nerein a	nits for any	permitte	reorkot	ification must be In addition, th	e given to t	the District (Dil and Ga	s Inspec	tor, (Refer to
distr	ict oil and g	as inspector	24 hour	s before a	ctual pe	rmitted wor	k has con	mmence	i.)	оро	2.0. 0	Jointi actor	3.141. 110	thy the proper
The	permitted w	ork is as de	scribed in	the Notic	ce and A	Application.	plat, and	reclama	ition plan, subje	ect to any r	nodification	s and con	ditions s	necified on the
	rse hereof.	·				. pp .	p ,		p.a, 540)(ici io uni, i		s and com	21110113 3	peemed on the
Pern	nit expires _	Nov	<u>ember</u>	5,	<u> 1987</u>		un	less well	work is commer	nc ed prior t	o that date a	nd prosect	uted with	n due diligence.
												_		-
<u></u>	ond:	A ~ ~ ~ +		77.0	C			T ID OP	2.5	Cit				
١	Sond >	Agent.		lat:	Casi	. 1		WPCP	S&E	Othe	r	//		
	149	MY		nH	m 1	70	26	ML	1 LMI	1_				
									11/	7 ,	フノ	/ /	71	
									Che	-/	- //	_<	//	
NOT	TE: Keep o	ne copy of	this perm	nit posted	at the d	rilling locati	ion.	/Di	rector, D	ivisio	n of Oi	I and	Gas	
		1									01 01	~ and		File