



OIL & GAS DIVISION DEPT. DF MINES State of Mest Hirginia DEPT. DF MINES State of Mest Hirginia

Date	1983							
Operator's .								
Well No	#2							
Farm Wanner								
API No.	47 - 039	3909						

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE	: Oil <u>X</u> / (If "Gas,"	Gas <u>X</u> / I Production	Liquid Injecon X / Under	tion grou	/ Wastend Storage	e Disposal e/ Deep	l/ p_X_/ Sha	llow_	/)
LOCATION:	Elevation:	1456	Watershed		Johnson Fo	rk of Fall	ing Rock	Creek	
	District:								
	governmente								
	Rimrock Produ							10	
	4424 "B" Emer			- WV	Caşing	Used in	Left	Cemer	
	ED AGENT Robe			-	Tubing	Drilling	in Well	Cu.	ft.
ADDRESS_	4424 "B" Emerso	n Ave., Pa	arkersburg, W	<u>-</u>	Size			CTT CATTON CATALOGUE	
	WNER Charles			-	20-16 Cond.				
	527 Garrison A			· -	13-10 ¹²¹ 2	266	266	- 90	sks.
	RIGHTS OWNER K			-	9 5/8				
ADDRESS_	c/o Frank Wanne Elkview , WV 2	r-5312 E11	k River Rd.	-	8 5/8				
OIL AND	GAS INSPECTOR	FOR THIS	WORK Homer H	<u>I</u> .	7	2132	2132	350	sks.
Dougherty	ADDRESS I	inden Rt.	, Box 3-A e, wv 25259	-	5 1/2				
PERMIT IS	SSUED	Jooney	c, wv 25255	-	4 1/2	6041	6041	335	sks.
DRILLING	COMMENCED Oc	tober 20,	1982		3				
DRILLING	COMPLETED Oc	tober 28,	1982		2				
CONTINCO	CABLE: PLUGGI US PROGRESSION G. VERBAL PER	FROM DRI	LLING OR		Liners used				
attopyggammater en en et til en	AL TARGET FORM	a KOTTA	evonian Shale			Dep	th 2646-5	857	feet
	th of complete								-
_	er strata dept								
	l seam depths:							area	1?
OPEN FLO	W DATA			C	March.				
Pro	ducing formati	ion Devo	nian Shale	, jo	Pay	zone dep	th 2646-5	857	_feet
	: Initial ope								
	Final open	flow(03 Mcf	/đ	Fir	nal open f	low	0	Bbl/d
	Time (of open fl	low between	init	ial and fi	inal tests	24 h	ours	
Sta	tic rock press	sure 650	psig(su	rfac	e measure	ment) afte	<u>24</u> ho	ns sp	nut ir
(If	`applicable di	ie to muli	tiple comple	tion.)				
Sec	cond producing	formation	3		Pay	y zone dep	oth		_feet
Gas	: Initial op	en flow_	Mcf	/d	Oil: In	itial oper	flow	1	_Bbl/c
			Mcf						
	Time	of open f.	low between	init	ial and f	inal tests	h h	ours	
Sta	atic rock pres	sure	psig(sur	faœ	measurem	ent) after	ho	urs sl	nut ir
			J	yes from	3 1 4 1983	(Conti	יות מת פונות	energe	ว ธา วิว

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

1st. Stage - From 5120'-5840' - 29 holes - 1,041,000 SCF N₂ - 500 gal. acid.
2nd. Stage - From 4455'-4470' - 2 holes - loaded hole with H20 and squeezed with 250sks.

standard cement $w/\frac{1}{2}$ of 1% halyd 9 retarder.

standard cement $w/\frac{1}{2}$ of 1% halyd 9 3rd. Stage - From 4060'-4700' - 19 holes. - 800,000 SCF N₂ - 250 gal. acid. 4th. Stage - From 3050'-3980' - 26 holes - 800,000 SCF N₂ - 250 gal. acid.

Up. De O.

WELL LOG

TORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
		15	·
Soil	0	8	·• ···
Sandstone & Shale	15	100	
Sandstone & Siltstone	100	200	
Sandstone & Siltstone	200	300	
Sandstone & Shale	300	400	
Sandstone & Shale	400	500	
Sandstone & Shale	500	600	
Sandstone & Shale	600	700	
Sandy Siltstone & Shale	700	800	
Sandstone & Siltstone	800	900	
Sandstone & Shale	900	1000	
Siltstone	1000	1100	
Sandstine & Siltstone	1100	1200	
Sandstine & Siltstone	1200	1300	
Sandstone & Shale	1300	1400	
Sandstone & Shale	1400	1500	
Sandstone	1500	1600	
Sandstone & Shale	1600	1700	
Sandstone & Siltstone	1700	1800	Section 1
Siltstone	1800	1932	
Greenbrier Ls. Interval	1932	2220	
			5750 v deput field por 292' expl-ftg.
Shale	2220	2272	I was a demant held no
Weir Sand	2272	2405	3.130 adver break
Shale	2405	2645	agained to
Berea	2645	2652	2
Siltstone	2652	2700	
Siltstone	2700	2800	·
Siltstone	2800	2900	
Siltstone & Sandy Siltstone	2900	3000	
Siltstone & Shale	3000	3500	
Siltstone & Shale	3500	4000	
Siltstone & Shale	4000	4500	marcellus - new pay
Shale	4500	5000	diffiltrance - som le a
Shale	5000	5500	
Shale	5500	5770	
Marcellus Shale	5770	5857	Helderburg @ T.
	5857	5908	
Onondaga Lime	5908	5973	Lime & Siltstone 5973 - 60
Oriskany			as necessary)

RIMROCK PRODUCTION CORPORATION Well Operator

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 that, encountered in the drilling of a well."

SION 615 WASHINGTON STREET EAST HARLESTON, WV 25311

ELEPHONE: (304) 348-3092



Operator'	•	* 4	
Well No.	Wanner	<i>‡</i> 1/2	
API Well	No. 47	039	3909

State "County

Permit

Date: September 27

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

OIL AND GAS WELL PERMIT APPLICATION

	OI	L AND GAS WE	LL PERMIT APPL	ICATION
VELL TYPE:		Gas X /		
	(If "Gas", Prod		Underground storage	
OCATION:	Elevation: 14		*	Fork of Falling Rock Creek
*	District: Elk		***************************************	Quadrangle: Clendenin, WV
VELL OPERATOR	R Rimrock Pro			ED AGENT Robert L. Murdock
	4424 "B" Emer			255 4424 "B" Emerson Avenue
	Parkersburg, V		Your	
)]L & GAS	1 41 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 7 20104	Minimum Languages	Parkersburg, WV 26104
COYALTY OWNE		eirs/Wanner Heir	S COAL OPE	ERATOR Union Carbide
Address C/5	o Frank Wanne 312 Elk River	r Road	Addre	Blue Creek Mines
****	Elkview, WV	25071	TOTAL CONTRACTOR OF THE PARTY O	32 Sanderson Road, Clendenin, WV
Acreage -	118	-	——————————————————————————————————————	25045 NER(S) WITH DECLARATION ON RECORD:
-	R Charles B. H	daid Heirs	3 .7	
Address		V		nion Carbide, Blue Creek Mines
	527 Garrison		Audi	25 32 Sanderson Road
	Charleston, W	V	2.3	Clendenin, WV 25045
-	118		Name	
FIELD SALE (IF			Addr	ess
Address	Unknown		The Control of the Co	
				SSEE WITH DECLARATION ON RECORD:
• "	ECTOR TO BE 1	VOTIFIED		on Carbide, Blue Creek Mines,
Rame Martin			Addr	ess 32 Sanderson Road
Address	P.O.Box 554		-	Clendenin, WV 25045
_	Clendenin, WV	25045	A MATERIAL PROPERTY AND A STATE OF THE STATE	
The undersigned	well operator is en	titled to operate for o	il or gas purposes at the ab	ove location under a deed/ lease
				ned well operator from S. M. Spencer
				, was one or my openeer
r san deed, leas	e, or other contra	82 in the officer	d:)	Commission of Kanawha County, West
			A permit is rec	
PROPOSED WO	RK: Drill_X/	Dnill deeper	/ Redrill/	Fracture or stimulate X /
	Plug off old	formation/	Perforate new formation	on/
	Other physic	al change in well (s	pecify)	-
	-			
	-planned as	s shown on the worl	order on the reverse sig	de hereof.
The above name	d coal operator, coa	lowner(s), and coal l	essee are hereby notified th	hat any objection they wish to make or are required to
				15) days after the receipt of this Application by the
ерапшені.				•
Copies of this Per	rmit Application ar	id the enclosed plat a	nd reclamation plan have b	eeen mailed by registered mail or delivered by hand to
nd above named or	cal operator, coal c	owner(s), and coal les	see on or before the day o	f the mailing or delivery of this Permit Application to
ne Department of	Mines at Charles	sion. West Virginia.		•.
EASE SUBMIT	COPIES OF ALL			
EOPHYSICAL L	OGS DIRECTLY	-		ROCK PRODUCTION CORPORATION
				- S-Well Operator
	OIL AND GAS			Market & Market
4		R .	See all	I A SER BURNER DE COMPANION DE LA COMPANION DE

TEOLOSED & ORP ORDER

THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

RILLING C	ONTRAC	CTOR (I	F KNOW	N) _	Unkn	own:	·			
				Ac	idiess	:				
energy and the second									_	
EOLOGICA -										
Estimati	ed depth	of com	pleted we	11,_	560	0fe	et Rotary	<u> </u>	Cable tools	/
Approxi	mate wat	cr strata	depths:	Fres	h,	706 feet	; salt, <u>856</u>	feet.		
. Aphoxi	mare coa	i scam (pepins: 5	85-5	88	Is coal	being mined i	in the area? Ye	sX/ No	· /
ASING ANI), TUBIN	G PROC	GRAM							
ASING OR UBING TYPE	SPE	CIFICAT				FOOTAGE	INTERVALS I	CEMENT FILL-	1171 B	
3,172	Size	Grade	Weight per ft	New	Used	For orllling	Left in well	OR SACKS	UP PACKERS	201
ະນາຊຸກ ເງວ າ	11 3/4	CW	45	X	- Constitution	45	45	CTS	Kinds	
resh Water	8 5/8	<u>e</u> rw	23	X	-velopical parameters	2100	2100	350 sks		
oal				Control Services		-		990 1083	Sizes	
nermedizte										
oduction	4 1/2	ERW	11.6	X		0	5600	750 sks	Depths set	
ubing	2 3/8	CW	4.7	Х		0	4500	0	Deptilis set	4500
ners										25.0 29.0
		•			-		¥!		Perforations:	va v
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prescr "Recl previo Code	mibed by the amation is a parate for the will be with the will be with the will be seen a parate for the will be with the will be will	Regulation Regulation Plan", as on the safety on the safety or the safet	on 12, or pplicable ame well, e owner of the conner of the	in lie to the to the fe of any e requirement is WELL NCEW	en the reclar e required for sough	reof the other required by Code § 2 well or dwell or fracturing or at and is noted a	security allowed by Code \$ 22.22-4-12a, and (v) and within 200 b	tion 11, (ii) a bon ed by Code § 22- -4-12b and Regul) if applicable, the feet of the propo	V-2 must be filed wild in one of the form IV- 4-2. (iii) Form IV- ation 23. (iv) unless consent required sed well. In or stimulating is connection therewith	ns 9, ess by
IF OPERATIC	NS HAM	TO	ZJAM/EN	CEU B		Construction to the control of the c				
X succession and a supplier	and the same of th	angen serven serven en e	namena en ser en	NOTE IN THE PROPERTY OF THE	And enhancement responsible to an	and the second s				
		******	•••••	2 e		******	************	· · · · · · · · · · · · · · · · · · ·		
The fo	ollowing w	aiver mu der Code	ist be com	ipleted 0. if t	by the	coal operator i	and by any coal c sued within fift	owner or coal lesson	ce who has recorde	đ a
			•			IVIA'#	ER			
The undersig sposed well le c undersigne picable requ	ned coal coal coal coal coal coal coal coal	a mine a objection of the Y	map exists note the v Yest Virg	own which work p inia C	er h cover ropose ode ar	/ lessee_rs the area of the d to be done and the governing	of the well location, this location, ag regulations.	e coal under this the well location l provided, the we	well location has has been added to to to operator has con	examined this he mine map, applied with all
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