FORM IV-2 (Obverse) (12-81)

TELEPHONE: (304) 348-3092



Date: May 25	, 19	82
Operator's Crar	ie"B"	#1
API Well No. 47	085	5658

State

County

Permit

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

OII	AND GAS WEL	L PERMIT APPLICA	TION		
WELL TYPE: Oil X /	Gas 🗶 /				
		Inderground storage	_/ Deep	/ Shallow	
		Watershed: Slab Cree			
		County: Ritchie			7.5
WELL OPERATOR RIMITOR &					
Address 4424" B"?	merson Que.	Address 4	424 B"	Emerson a	venuo
	g, w.Wa. 26		Revoluna	, w. Va. 2	6104
OIL & GAS	9		0		
ROYALTY OWNER Walter	. A. Crane He				
Address 212E. Pier	point St.	Address			
	w. Va. 26				
Acreage 65		COAL OWNER(S) WITH DEC	LARATION ON R	ECORD:
SURFACE OWNER Walter		Name			
Address 212 & Pr			REC	EIVED)
	Ile, w. Das			The second secon	
Acreage 6		Name	MAY	2 6 1982	
FIELD SALE (IF MADE) TO:	A 181 S			D GAS DIVISION	
Address		_	111007	WINDALO BUNES	
Address		COAL LESSEE	WITH DECLA	RATION ON REC	ORD
OIL & GAS INSPECTOR TO BE N	NOTIFIED				
Name Deo Mace					
Address Lt. 1. Box		Addiess			
	WVa 2527	-		of a second	
The undersigned well operator is en					
other contract/ dated _Oct	ober 1, 19	, to the undersigned we	ell operator from	mwalter.	1. Crane
(IF said deed, lease, or other contra	ct has been recorded:)			
Recorded on, 19			nission of	Cc	ounty, West
Va., in Lease Book Book					
PROPOSED WORK: Drill		2710 11		IT MUST BE POST	
Plug off old	formation /	Perforate new formation	ACCORDANC	KI DUBA SHOP	ALL PROV
Otherstonic	1 1	Perforate new formation	CODE, THE LO	OF THE W. VA. C	ARTICLE 4
Other physic	il change in well (spe	cify) Saya Liand Timas To	MI.		APPROVE
—planned as	shown on the work of	order on the reverse side her	COMMENDE	TON IVAH RIOT	IE CPERAT
			2		ya
The above named coal operator, coa make by Code \$22-4-3 must be filed					
Department.	with the Department of	i wines within inteen (15) da	ys after the re-	ceipt of this Applica	ition by the
Copies of this Permit Application an	d the enclosed plat and	reclamation plan have been m	ailed by registe	red mail or delivered	hy hand to
the above named coal operator, coal o					
the Department of Mines at Charles				.,	pheation to
PLEASE SUBMIT COPIES OF ALL				04/19/20	124
GEOPHYSICAL LOGS DIRECTLY		Rimro	ale Dans.	uction Con	· ·
то:		KIMYO		Operator	porario
WEST VIRGINIA OIL AND GAS CONSERVATION COMMIS-		n. Oala		•	
SION 1615 WASHINGTON STREET EAST				Murdock	
CHARLESTON, WV 25311		Its Pres	IDENT		

BLASTKET BUNG

PROPOSED WORK ORDER

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

DRILLING CO	NTRAC	TOR (IF	KNOWN) _1	un	enown				
				Ad	dress _					
GEOLOGICAL	TARGE	T FORM	IATION.	EI	K					
							Miles	X / Cab	le tools	1
							; salt,			
A STATE OF THE STA								n the area? Yes	/ No	/ /
CASING AND				/			oonig minos .			,
CASING AND	IUBING	J PROGI	KAM U							
									1	
CASING OR TUBING TYPE	SPE	Grade	ONS Weight per ft	New	Used	FOOTAGE For drilling	Left in well	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
Conductor	11314	CW	45#	X		245'	245'	CT5	Kinds	
Fresh Water	85/8	ERW	23#	X		1200'	1200'	CTS	Baker	2.5
Coal									Sizes	
Intermediate						,				
Production	41/2	ERW	10.5#	X		0	55001	350 sks.	Depths set L	000
Tubing	23/8	Cw	4.7t	X		1000	4000'	0		
Liners		13. 3.5							Perforations:	
in the second second second						, , , , ,			Тор	Bottom
		Lin in	The state of the s							
THIS PERMIT ALL PROVISION ARTICLE 4 O APPROVED F IF OPERATION BY	MUST BEING THE WORLD	POSTED NG IN A	AT THE	WEL ANCE LOC THIS	L SITE. WITH	CHAPTER 22 N IS HEREBY STALL EXP 2-3-83	d as such on the	well where fracturing Form IV-2 filed in co	g or stimulating is onnection therewit	to h.
Th	e followir	ng waiver under Co	must be o	comple 4-20,	eted by	the coal opera permit is to b	tor and by any co	eal owner or coal less fifteen (15) days of	ee who has record receipt thereof.	ed a
						WA	AIVER			
proposed we	ell location	n. If a min	ne map extion to th	rists v	which c	overs the area	of the well locati	of the coal under this on, the well location on, provided, the we ns.	has been added to	the mine map
Date:			, 1	9	district the second		Ву			
					1		Its			Landon III

ATE	May	24,	1982
0-0			

WELL NO. 1

API NO. 47

304-462-5634

PHONE NO.

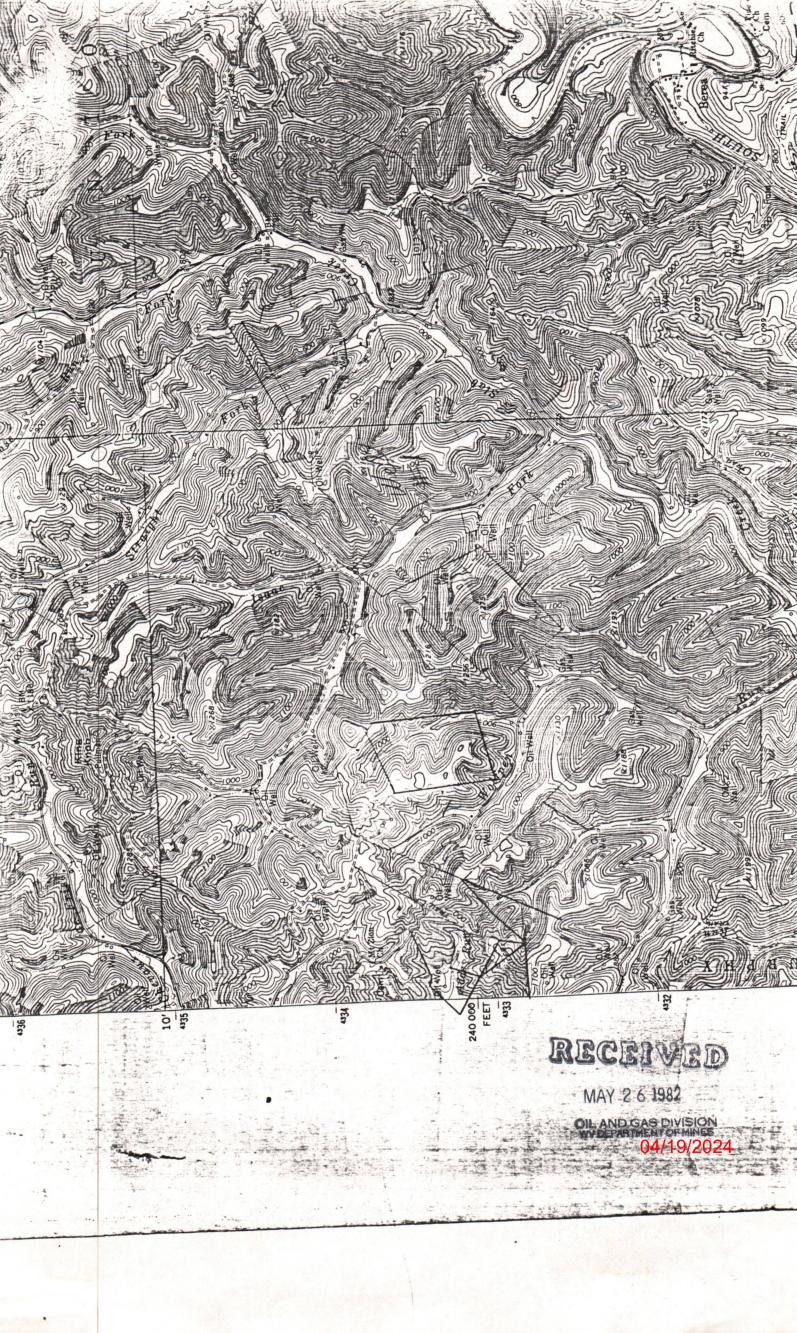
mecessary for comments.

State of Mest Birginia

. Bepartment of Mines Bil und Gas Zivision

CONSTRUCTION AND RECLAMATION PLAN

MPANY NAME Rimrock Production Corp.	DESIGNATED AGENT ROD	ert L. Murdock
Address 4424B Emerson Ave., Parkers	burg, W.V. Address 4424B Eme	rson Ave:, Parkersbrtg W.V
Telephone 304-428-1520	Telephone 304-428-	1520
NDOWNER Walter A. Crane Heirs	SOIL CONS. DISTRIC	T Little Kanawha
Revegetation to be carried out by		
This plan has been reviewed by 1	in the second of	. All corrections
d additions become a part of this pl	an: 5-26-82 (Date)	
	On 4n	
	(SCD Agent)	
ACCUSE DOND	Dess on gul and market of LOCAT	
Fig. 3 M. ACTES RIAD		
nucture See notes on reverse		
acing .	Material Earthen	
ge Ref. Manual	Page Ref. Manual I	:9
ncture	(B) Structure Sediment	Barrier (2)
cing	Material stone	
e Ref. Manual	Page Ref. Manual . I	:15 - - - -
		CERVED
ncture	(C) Structure	(3)
cing	Material	IAY 2 6 1982
e Ref. Manual	Page Ref. Manual Ol	
All structures should be inspected commercial timber is to be cut and		
cut and removed from the site befor		·
	REVECETATION	•
Book and Brook T of T	Throughour it	XXXXXXXXXXXXX
Treatment Area I + II		
eTons/acc or correct to pH 6.5	or correct to pH	Tons/acre
tilizer 600 lbs/acro	Fertilizer	lbs/acre
(10-20-20 or equivalent)	(10-20-20	or equivalent)
ch Hay 2 Tons/ac	e Mulch	Tons/acre
i* Ky-31 35 lbs/acre	Seed*	lbs/acre
Tall Fescue 10 lbs/acre		lbs/acre
lbs/acre		lbs/acre
*Inoculate all legumes such as vetch culate with 3X recommended amount.	, trefoil and clovers with the	proper bacterium.
A CONTRACTOR OF THE STATE OF TH	PLAN PREPARED BY Smith Land	Surveying
OTES: Please request landowners!	ADDRESS 111 South	Street
cooperation to protect new seedling for one growing season.	Glenville	W.V. 26351



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

WELL LO

ORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fresh and salt water, coal, oil and gas
	72		
Soil	0	15	
Sandstone and Shale	. 15	50 =	
Sandstone and Shale	50	100	e Production of the Control of the C
Sandstone and Shale	100		
Sandstone and Shale	200	300	
Sandstone and Shale	300	400	
Sandstone and Shale	400	500	
Siltstone	500	600	
Sandstone and Shale	600	700	
Siltstone	700	800	
Siltstone	800	900	in the second se
Siltstone and Sandstone	900	- 1000	
Sandstone and Shale	1000	.1100	16.
Sandstone and Shale	1100	1200	7.5
Sandstone and Shale	1200	1_300	
Sandstone and Shale	1300	1400	·
Sandstone, Siltstone and Lime	1400	1500	
Limy Sandstone	1500	1600	
Silty Sandstone	1600	1668	
Limy Sandstone	1668	1800 -	Gas Show
(Big Injun)			
Sandy Siltstone	1800	2050	
Wier Sand	205C	2100	
Sandy Siltstone	2100	2183	
Berea	2183	2198	
Sàndy Siltstone	2195	2350	
Fifty Foot	2350	2400	
Sandy Siltstone	2400	2450	
Gordon	2450	2503	
*Devonian Shale	2503	4810	
(Intermittant Shales and San			
Siltstones)			
Alexander	4810	4873	
	1		
		-	1

*Most Devonian Shale names not differetiated.

(Attach separate sheets as necessary)

RIMROCK PRODUCTION CORPORATION 04/19/2024
Well Operator

By: Alison Crane

Date: August 25 1982

Note: Regulation 2.02(i) provides as follows:

"The term 'loa' or 'well loa' shall mean a systematic



Rev 8-81)

State of Mest Birginia

Bepartment of Mines Gil und Cas Zivision

Date August 25, 198	32
Operator's	
Well No. #1	
Farm Crane B	
API No. 47 - 085	- 5658

WELL OPERATOR'S REPORT

OF FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

VEIL TYPE: Oil X / Gas X / Liquid Injection (If "Gas," Production X / Undergrou	/ Was	te Disposa ge/ Dee	l/ p/ Sha	illow_X_/)
OCATION: Elevation: 809 Watershed S1	ah Craale			
District: Union County Ritchi			Pullman	7.5
		_x	- rulliman	1.5
C:PANY Rimrock Production Corporation				
ADDRESS 4424 "B" Emerson Avenue, Parkersburg, WV	Casing	Used in	Left	Cement
DESIGNATED AGENT Robert L. Murdock	Tubing		in Well	fill up Cu. ft.
ADDRESS 4424 "B" Emerson Avneue, Parkersburg, WV	Size			
SURFACE OWNER Walter A. Crane Heirs	20-16			
ADDRESS 212 E. Pierpoint St., Harrisville, WV	13-10"	50		
MINERAL RIGHTS OWNER Walter A. Crane Heirs	9 5/8	50		
DDRESS 212 E. Pierpoint St., harrisville, WV	8 5/8	984	984 .	300 5155
OIL AND GAS INSPECTOR FOR THIS WORK Sam	7	304	904	300 sks
Hersman ADDRESSSmithville, WV	5 1/2	1		
PERMIT ISSUED		1000	1065	
DRILLING COMMENCED August 4, 1982	4 1/2	4869	4869	700 sks.
DRILLING COMPLETED August 12, 1982	2			
OF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REVORKING. VERBAL PERMISSION OBTAINED	Liners			
EPOLOGICAL TARGET FORMATION Devonian Shale		Dept	h 2195 -	- 4900feet
Depth of completed well 4900 feet F	Rotary X	/ Cable	e Tools_	
Water strata oepth: Fresh 59 feet;	Salt 109	feet		
Coal seam depths:	Is coal	being mine	ed in the	area?No
OPEN FLOW DATA				
Producing formation Devonian Shale	Par	zone den	thanna (o	55 feet
. Gas: Initial open flow 428 Mcf/d				
Final open flow 204 Mcf/d		nal open f	, i.e.	
Time of open flow between initial				
Static rock pressure 750 psig(surface		-		
(If applicable due to multiple completion-		ieit, ate	24_04	13/20124 11
Second producing formation		v zone den	+ b	foot
Gas: Initial open flow Mcf/d	The state of the s			feet
Final open flow Mcf/d			-	
				Bbl/d
Time of open flow between init		aller a constant		ours

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES



AUG 1 1 1982

INSPECTOR'S WELL REPORT

OIL AND GAS DIVISION WY DEPARTMENT OF MINES

Permit No. 83 - 36 58		Oil or Gas Well					
Company Rimroch Prod	Luction Con	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS		
Address		Size			- programme and programme		
arm Walter A. Eran	e	16			Kind of Packer		
'ell No. Grane B #1		13					
istrict Union Count	v Ret	81/4			Size of		
rilling commenced		6%			Depth set		
illing completedTotal	denth	5 3/16			Depth Set		
te shotDepth of		3			Perf. top		
tial open flow/10ths		Liners Used			Perf. bottom		
en flow after tubing/10ths l					Perf. bottom		
ume		CASING CEMEN	TED	SIZE	No. FTDat		
k pressurelbs	hrs.	NAME OF SERV			Dat		
		COAL WAS ENC	OUNTERED A	т	FEETINCHES		
h waterfeet	1				EETINCHES		
waterfeet	feet				EETINCHES		
ers' Names	A comment of the comment			7	LETINCHES		
	e e						
rks: Ran m 8 - 6=8	2 23	Joint	Ro-	0 '			
total of 976		- 1	0 8	asing			
	215	sacks	Cemen	1 En	monted by Mes		
					0		

8-7-82

Sam Hendelle 19/2024
DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

ermit No								
COMPANY			ADDRESS					
ARM		DISTRICT	C	OUNTY	11/11			
illing Material Used								
iner Los	ation	Amount	Packer	Location				
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASING AND TUBING				
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST		
						,		
			ili a sana a marka wa maka wa					
				8		ta Hills		
			angeri dati			A 12 May 1		
			D (326 - 2)			the en		
rillers' Names					e.	A Second Second		
Remarks:								
	I hereby certify I	visited the abo	ove well on this date.					
DATE								

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION

RECEIVED

AUG 1 7 1982

OIL AND GAS DIVISION WY DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85	-5658		Gas Well			
Company Rem	rock Production	n Cory	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address	2 . 0		Size			-
Farm Walte	i A. Crane		16			Kind of Packer
	ang 8#1	,	10			Size of
District Inio	n County Rij		81/4			
Drilling commenced	8-5-82		65/8		-	Depth set
Orilling completed_	Total depth 50	515	5 3/16			Perf. top
Date shot	Depth of shot		2			Perf. bottom
nitial open flow	/10ths Water in_	Inch	Liners Used		,	Perf, top
Open flow after tubi	ng/10ths Merc. in	Inch				Perf. bottom
/olume		_Cu. Ft.	CASING CEMEN	NTED	SIZE	No. FTDate
lock pressure	lbs,	hrs.	NAME OF SER	VICE COMPA	NY	
oil	bbls., 1st	t 24 hrs.	COAL WAS EN	COUNTERED	AT	FEETINCHES
resh water	feet	feet	FEET_	INCH	ES	FEETINCHES
alt water	feet	feet	FEET_	INCH	ES	FEETINCHES
rillers' Names @	B. Collins Her	ney	Drenne	r-alv	a Roge	21
moseur	F.W.A.	0	Too	P. Rendo	= 4/	rley Jans
emarks:	Trying to fle	esh o	Loging to	to of out	1941	De gars
					1100	

8-10-82

Samuel M. Harageron

1981 & 1 O.A.

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

ermit No				Wel	l No	
OMPANY	1		ADDRESS			
ARM	, ,	DISTRICT_	C	OUNTY		
illing Material Used						
iner Lo	cation	Amount	Packer	Location	· · · · · · · · · · · · · · · · · · ·	
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LUCATION	RECOVERED	SIZE	LOST
,						
						, , , , , , , , , , , , , , , , , , ,
	1.					
						7
rillers' Names			and the second section of the second section of the second section section section sections.		, , , , , , , , , , , , , , , , , , , ,	
emarks:						,
	I hereby certify I	visited the abov	ve well on this date.			





OIL & GAS DIVISION

DEPT. OF MINES

State of West Virginia

Department of Mines Oil and Gas Division Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

COMPANY	Rimrock Production Company	PERMIT NO	085-5658
	4424 "B" Emerson Avenue	FARM & WELL	. NO W.A. Crane # B-1
	Parkersburg, W.Va. 26104	DIST. & COU	Union/Ritchie
RULE	DESCRIPTION		IN COMPLIANCE YES NO
23.06 25.04 25.03 16.01 15.03 15.02 15.01 15.04 15.05 23.02 25.01 23.04 23.05 23.07 16.01 16.02 7.05	Notification Prior to Startin Prepared before Drilling to P High-Pressure Drilling Required Permits at Wellsite Adequate Fresh Water Casing Adequate Coal Casing Adequate Production Casing Adequate Cement Strenght Cement Type Maintained Access Roads Necessary Equipment to Prevent Reclaimed Drilling Pits No Surface or Underground Poll Requirements for Production & Well Records on Site Well Records Filed Identification Markings	revent Waste Waste ution Gathering Pipelines	
1 HAVE IN	ISPECTED THE ABOVE CAPTIONED WE	LL AND RECOMMEND THAT	IT BE RELEASED:
8		SIGNED San	muel N. Heromon
		DATE	4/22/83
	record was received and reclamed ter 22, Article 4, Section 2, for the life of the well.	Administrator	pproved. In accordance emain under bond r-0il & Gas Division 7 27, 1984

04/19/2024