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



Operator's Well No. 085 5680 API Well No. 47

County

State

Permit

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

	OIL AND GAS WELL PERM	IIT APPLICATION
WELL TYPE:	Oilx/ Gasx/	
		nd storage/ Deep/ Shallow/)
LOCATION:		: Wolfpen Run
	District: Union County:	Ritchie Quadrangle: Pullman 7.5
WELL OPERA	TOR Rimrock Production Comp.	DESIGNATED AGENT Robert L. Murdock
Address	4424 "B" Emerson Que.	Address 4424 B" Emerson Que.
	Parkersburg, W. Va. 26104	farkersburg, W. Va. 26104
OIL & GAS ROYALTY OV	VNER Walter A. Crane Heies	COAL OPERATOR none
Address	212. E. PierpointSt.	Address
	Harrisville, W. Va. 21862	
Acreage	108	COAL OWNER(S) WITH DECLARATION ON RECORD:
	NER Watter A Crane Heirs	Name none
	212 E. Pierpaint St.	Address
	Harrisville willa 26362	
Acreage	108	Name
FIELD SALE	(IF MADE) TO:	Address
Address	Unknown	
		COAL LESSEE WITH DECLARATION ON RECORD:
OIL & GAS II	NSPECTOR TO BE NOTIFIED	Name none MEGETVED
Name Deo I		Address
Address	Route 1 Box 5	
- 1414	Sandridge W. Wa	OIL AND GAS DIVISION WY DEPARTMENT OF MINES
The undersig	ned well operator is entitled to operate for oil or gas purp	poses at the above location under a deed/ lease
Assign ment other contract_	× / dated 4Mag 27, 1982, to	the undersigned well operator from Yorth Hills
1 MINSTHON	lease, or other contract has been recorded:)	
		of the County Commission of Ritchie County, West
		permit is requested as follows:
		ill/ Fracture or stimulate/
PROPOSED		
		new formation/ NOD NAME OF A BOOK A
	Other physical change in well (specify)	1 SOUND TO PERSON TO PERSO
1	—planned as shown on the work order on the	he reverse side hereof.
The above so		reby notified that any objection they wish to make or are required to
		rithin fifteen (15) days after the receipt of this Application by the
Donastment		the receipt of this ripplication by the

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEA GEO TO:	ASE SUBMIT COPIES OF ALL PHYSICAL LOGS DIRECTLY
	T VIRGINIA OIL AND GAS CONSERVATION COMMIS-
	WASHINGTON STREET EAST RLESTON, WV 25311
TELL	EPHONE: (304) 348-3092

BLANKET BOND

Well Operator	Rimrock	Production Corp.
		Well Operator
X By Balent of Muselone	x By Bales	of Mundal
Its President	Its Presse	deset

04/19/2024

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

### PROPOSED WORK ORDER

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

ORILLING CO	NTRAC	TOR (IF	KNOWN	1)	u	nknow	Ω		
				Ad	dress				
GEOLOGICAL									
								X / Cab	le tools/
							t; salt,		
Approxir	nate coa	l seam d	epths:	no	ne	Is coa	l being mined	in the area? Yes	/ NoX/
CASING AND	TUBING	G PROG	RAM						
	-								
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	CTS	Kinds
Fresh Water	85/8	erw	23#	X		1200	1200	3505ks	Baker
Coal									Sizes
ntermediate					el e				
Production	41/2	eew	10.5#	X		O	5500'	750 sks.	Depths set 4000'
Tubing	23/8	aw	4.74	X		0	4000'	0	
Liners					7-1				Perforations: est depth
x= = = = = = = = = = = = = = = = = = =									Top 3200 BottomS30
Jana et st			Special States						
THIS PERMIT	clamation iously paid \$22-4-8 separate art of the MUST	Plan", aid on the Ba from to Form Iv-2 work for BE POST	applicable same wel he owner shall not which a p	be repermit	ne reclifee required is sou	amation requiuired by Code er well or dwell or dwell for fracturing ght and is note	s 22-4-12a, and elling within 200 or stimulating a ed as such on the	wed by Code § 22-4- 22-4-12b and Regulat (v) if applicable, the confidence of feet of the propose well where fracturing Form IV-2 filed in confidence	on 23, (iv) unless consent required by d well.
/ PPROVED	FOR	drill	ing	TU!	CATIC	ON IS HEREBY MIT SHALL EX	ZDIDE		
IF OPERATIO	ONS HAY	VE NOT	COMME	NCE	DY	2-8-83	Arine		
NY /	1		h			kain k			
				••••	• • • • •	• • • • • • • • • • • • • • • • • • • •			
The	e followin	g waiver under Co	must be code 22-	omple 4-20,	eted by	the coal opera permit is to b	tor and by any co	pal owner or coal lesse fifteen (15) days of	e who has recorded a receipt thereof.
						W	AIVER		
proposed we The undersig	ll location gned has	n. If a mir no objec	ne map extion to th	ists w	hich co	overs the area osed to be do	of the well locati	on, the well location hon, provided, the wel	well loc <b>nidn has/2@pid</b> ed thinas been added to the mine map I operator has complied with a
							olfed To	2.14	
D .			, 19	0			By	111981731	
Date:			, 1:				Its		

(FEV 8-81) ATTACH OR PHOTOCOPY SECTION OF LEGEND INVOLVED TOPOGRAPHIC MAP. PULLMAN 7.5' QUADRANGLE Well Site Access Road WELL SITE PLAN Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage. Property boundary Diversion Road = = = = = Spring O> Existing fence --- x-- X -Wet spot Building Building Planned fence Stream > Drain pipe-Open ditch -Waterway C== A Charles of Antonia parties NOTE: LOCATION TO BE BUILT IN OLD FIELD OFF EDGE OF RIDGE. TE: LOCATION HAS BEEN APPROVED BY LANDOWNER. 1200' ± OF Well Rd. I ALONG TOP OF RIDGE RUA !

DATE	MAY	28	1

State of Mest Nirginia

WELL NO. CRANE "A" NO API NO. 47

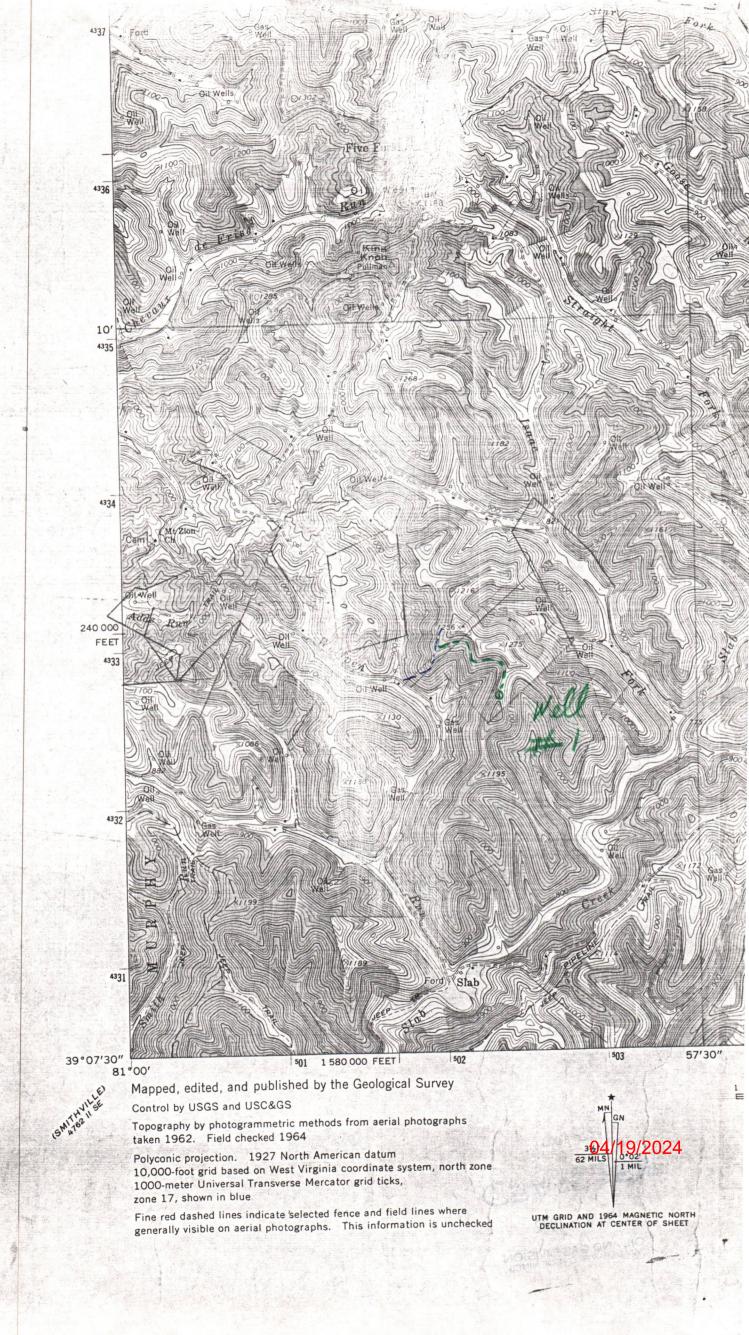
Beparlment of Mines .. Gil and Gas Zivision

YMPANY NAME RIMROCK DOOR	DUCTION CORP	Т.	DESIGNATED AGENT ROBERT L. MURDOCK
	and the second s		01 Address 4424B EMERSON AVE., PARKERSBURG, W.
	and the second s	<u>,w</u> .v. 201	Telephone 304-428-1520
Telephone 304-428-152			
ANDOWNER WALTER C. CRA	and the state of the state of the state of	_	SOIL CONS. DISTRICT LITTLE KANAWHA
Revegetation to be car	rried out by	RIMROCK	PRODUCTION CORP (Agent)
This plan has been :	reviewed by Lin	He Ke	dnawha SCD. All corrections _
nd additions become a pa	The second secon	Water M.C	
		0	(Date)
		farr	(SCD Agent)
		0	
할 때는 그는 이번 1000년에 가장하는 사람들이 되었다. 그렇게 되었다. 그 이번 시간에 되었다.	CIAC		LOCATION
tructure DRAINAGE DITCH			Structure DIVERSION DITCH (1
			Material EARTHEN
pacing . N/A .	7-47		
age Ref. Manual 1:9			Page Ref. Manual 1:11
		(7)	CEDIMENT DIDDIED
tructure CROSS DRAIN	, , , , , , , , , , , , , , , , , , ,	(B)	Structure SEDIMENT BARRIER (
pacing 150'		rest.	Material BRUSH OR LOGS
age Ref. Manual 1:4			Page Ref. Manual PROPERTY
	140		
tructure		(C)	Stricture JUN 2 1982 (
pacing			Material OIL AND GAS DIVISIO
n.f. V			Page Ref. Manual
age Ref. Manual		•	rage Net. Palital
- All structures shoul	d be inspected	regularly	y and repaired if necessary. All
commercial timber is to	the site before	atte work	k begins.
commercial timber is t	the site before	ulli boli	k begins.
commercial timber is t	•	VEGETATIO	
commercial timber is to cut and removed from t	RE		ON vertecologis vi demos respectivos.
commercial timber is to cut and removed from t	RE Area <u>I</u> <u>&amp;</u> 11	VEGETATIO	ON Treatment Amazili-
commercial timber is to cut and removed from to the cut and removed from the cut and removed fro	RE Area I & II Tons/acre	VEGETATIO	ON vertecologis vi demos respectivos.
commercial timber is to cut and removed from to the cut and removed from the cut and removed fro	RE Area I & II Tons/acre 6.5  lbs/acre	VEGETATIO	CN    Treatment   Tons/acre     Or correct to pH     Fertilizer   lbs/acre
commercial timber is to cut and removed from to the cut and removed from the cut and removed fro	RE Area I & II Tons/acre 6.5 lbs/acre quivalent)	VEGETATIO	ImeTons/acre or correct to pHlbs/acre  [10-20-20 or equivalent]
commercial timber is to cut and removed from to the cut and removed from the cut and removed fro	Tons/acre  1 & II  Tons/acre  1bs/acre  puivalent)  2 Tons/acre	VEGETATIO	DimeTons/acre  or correct to pH  Fertilizerlbs/acre  (10-20-20 or equivalent)  MulchTons/acre
commercial timber is to cut and removed from to the cut and removed from the cut and removed fro	Tons/acre  1 & 11  Tons/acre  6.5  1bs/acre  privalent)  2 Tons/acre  35 lbs/acre	VEGETATIO	CN    TwentwentsAmeriti
commercial timber is to cut and removed from to the cut and removed from the cut and removed fro	Tons/acre  1 & II  Tons/acre  1bs/acre  privalent)  2 Tons/acre  35 lbs/acre  10 lbs/acre	VEGETATIO	Tons/acre    Tons/acre
Treatment A  ime  or correct to pH  ertilizer  (10-20-20 or equilibrium)  TALL FESCUE	Area I & II  Tons/acre  6.5  lbs/acre  quivalent)  2 Tons/acre  35 lbs/acre  10 lbs/acre  lbs/acre	VEGETATI(	DimeTons/acre  or correct to pHlbs/acre  (10-20-20 or equivalent)  Mulchlbs/acre  Seed*lbs/acre lbs/acre lbs/acre lbs/acre
Treatment A  ime  or correct to pH  ertilizer  (10-20-20 or equilch HAY  rall FESCUE	Tons/acre  1 & II  Tons/acre  6.5  1bs/acre  privalent)  2 Tons/acre  35 lbs/acre  10 lbs/acre  lbs/acre  such as vetch,	VEGETATI(	Tons/acre    Tons/acre

NOTES: Please request landowners! · cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

GLENVILLE W.V. 26351

304-462-5634 PHONE NO.



JUN 2 - 1982
OIL AND GAS DIVISION WY DEPARTMENT OF MINES

04/19/2024

FORM IV-35 (PEVERSE)

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

Stage #1 4400-52351

1,010,000 SCF N2

33 holes

Stage #2

-3480-4350'

38 holes - ----

t. 00 20 20 200

993,000 SCF N2

Stage #3

2580-3420 1,000,000 SCFN239 holes

WELL LOG

		1			REMARKS	
FORMATION (	COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including and salt	indicatio	n of all fresh l, oil and gas
Sand and Sha	ile	Surface -	1500			=
Sand, Shale,	and Lime	1500	2100			
Shale		2100	2132			
Injun Sand		2132	2170			
Shale & Sila	tstone	2170	2416			
Sandstone &	Siltstone (Wier)	2416	2492			
Siltstone 8	Shale	2492	2576			- Live
Berea Sand		2550	2555			-34
*Devonian St	rale	2580	5114			•
Alexander So	and	5114	5140			
Siltstone &	Shale	5140	5315	The second		
				3345		
			100000	de la company		
		a Landing	1			
	14 11.1			1		
				1		
1/2 1/2				Links		
		CALLE III				
		Carrier Inc.				

(Attach separate sheets as necessary)

\*Most Devonian formation names not differentiated.

RIMROCK PRODUCTION CORPORATION

. Well Operator

04/19/2024

Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including Note: - the drilling of a well.



V-35 ev 8-81)

SEP 15 1982 OIL & GAS DIVISON DEFT. OF M. NED

Static rock pressure

# Sinds of Mest Buginia Bepartment of Mines Gil und Gas Zivision

Date	Se	ptemb	er 1	1	1982
Opera	ator	S			
Well	No.	Crane	"A"	#1	
Farm	Cri	ane A			
ADT 1	No.	47 -0	85	_	5686

WELL OPERATOR'S REPORT

DRILLING, F	RACTURING	AND/OR	STIMULATING,	OR	PHYSICAL	CHANGE

OCATION: Elevation: 1173 Watershed Wo.	lfpen Run			
District: Union County Ritch		Quadrangle	Pullman	7.5
OMPANY RIMROCK PRODUCTION CORPORATION	200			Cenent
DDRESS 4424 "B" : Emerson Ave., Parkersburg, WV	Casing	Used in	Left .	fill up
ESIGNATED AGENT Robert L. Murdock	Tubing	Drilling	in Well	Cu. ft.
DDRESS 4424 "B" Emerson Ave., Parkersburg, WV	Size . 20-16			-
URFACE OWNER Walter A. Crane Heirs	Cond.			
DDRESS 212 E. Pierpoint St., Harrisville. WV	11 3/4 13-10"	45'	45'	-
INERAL RIGHTS OWNER Walter A. Crane Heirs	9 5/8			-
DDRESS 212 E. Pierpoint St., Harrisville, WV 26362	8 5/8	1305	1305	390 sks
IL AND GAS INSPECTOR FOR THIS WORK Deo	7			
Mace ADDRESSRt. 1 Box 5 Sandridge, WV	5 1/2			
PERMIT ISSUED	4 1/2	5260	5260	750 sks.
PRILLING COMMENCED June 12, 1982	3			
PRILLING COMPLETED June 18, 1982	2 3/8	0	3412	0
F APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR	Liners			
REWORKING. VERBAL PERMISSION OBTAINED	used			
DN				
SEDLOGICAL TARGET FORMATION Devonian Shale		Dep		-5315 feet
Depth of completed well 5325 feet	Rotary X	/ Cabl	e Tools_	
Water strata oepth: Fresh 150 feet;				
Coal seam depths:	Is coal	being min	ed in the	area? No
OPEN FLOW DATA				
Producing formation Devonian Shale	Pay	zane dep	th 2580-	-5235 fee
Gas: Initial open flow 525 Mcf/d				
Final open flow 258 Mcf/d				
Time of open flow between init				
Static rock pressure 591.00 psig(surface	œ measure	ment) after	er 24 hg	utalshyt i
(If applicable due to multiple completion			04	11312024
Second producing formation		y zone dej	oth	fee
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d	Oil: Fi	nal open :	flow .	Bb1/

#### STATE OF WEST VINGINIA

# DEPARTMENT OF MINES

# RECEIVED

### INSPECTOR'S WELL REPORT

JUN 25 1982

OIL AND GAS DIVISION WY DEPARTMENT OF MINES

Oil or Gas Well\_

				Letter of Sant Marketti
Company Quim Bock	CASING AND TUBING	USED IN	LEFT IN WELL	PACKERS
Address	Size			
Farm Crane	16			Kind of Packer
Well No A- /	13			Size of
District Union County Bet	81/4			Size of
Drilling commenced	6%			Depth set
Drilling completedTotal depth	5 3/16			Part to
Date shotDepth of shot	2			Perf. top Perf. bottom
Initial open flow/10ths Water inInch	Liners Used			Perf. top
Open flow after tubing /10ths Merc. in Inch				Perf. bottom
VolumeCu. Ft.	CASING CEMEN	NTED 8 %	SIZE /2	% No. FT
Rock pressure lbs hrs.	NAME OF SER	VICE COMPA	NY Hall	ib.
Dilbbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEETINCHE
Fresh waterfeetfeet	FEET_	INCHI	es	FEETINCHE
Salt water feet feet	FEET_	INCHI	ES	FEETINCHE
Drillers' Names FWA - Harley for	anvies			
cement ciculated				

le-14.82

Permit No. 85-9688

Du May 2024

DISTRICT WELL INSPECTOR

#### STATE OF WEST VIRGINIA

### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

### INSPECTOR'S PLUGGING REPORT

OMPANY			ADDRESS		Appendix on a set of	A Company of the Company
ARM		DISTRICT	0	OUNTY		
illing Material Used						
iner Loc	ation	Amount	Packer	Location		to be commented to
PLUGS USED AN	ND DEPTH PLACED	and the second second second second	BRIDGES	CASIN	G AND TU	IBING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
min dan a of a second				A 15 mm		
					and the Ass	
1						
						and Support Visit 18
and the second second second second			The second secon	187	3 m 10 m 20 m	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
The state of the s					17.52	party, territores
AND THE RESERVE				,,,		and the second
					* 0 Well 2	
			e.			The state of the s
						The district
illers' Names						
			to be a second of the second o		and the second	and the same of
marks:	Control of the contro					
			and the second s			

04/19/2024

#### STATE OF WEST VIRGINIA

### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



## INSPECTOR'S WELL REPORT

OIL & GAS DIVISION DEPT. OF MINES

Permit No. 80 -3	0680		Oil or Gas Well				
Company Rimru	h Prod. Con	5 .	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PAC	KERS
Address			Size	-		- 1 / 1 / 1	9
Farm Cran	ne A.		16			Kind of Pa	cker
Well No. Crane	"A" #/		13				
District Union	County	telie	81/4			Size of	
Drilling commenced			6%			Depth set_	
Drilling completed	Total depth_		5 3/16				
	Depth of shot		2			Perf. top Perf. botton	
Initial open flow	/10ths Water	inInch	Liners Used		,	Perf, top	
Open flow after tubing	/10ths Merc. in	nInch				Perf. bottor	n
Volume		Cu. Ft.	CASING CEMEN	NTED	_SIZE	No. FT	Date
lock pressure	lbs	hrs.	NAME OF SER				
Dil	bbls.,	1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEET	INCHES
resh water	feet	feet	FEET_	INCHI	ES	FEET	INCHES
alt water	feet	feet					
Prillers' Names							
emarks:	Final	Inspe	ction	O.K.	toRe	lease	<u></u>
		yea	con	O.A.	10/16	lease	

4-19-83

Samuel 7. 264/19/2024

#### STATE OF WEST VIRGINIA

#### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

### INSPECTOR'S PLUGGING REPORT

COMPANY			ADDRESS				
FARMDISTRICTCOUNTY							
Filling Material Used	,						
iner Loc	ation	Amount	Packer	Location			
PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOS	
		1.64					
			·				
<del>, , , , , , , , , , , , , , , , , , , </del>							
			<del></del>		<del>,,,,</del>		
						,	
rillers' Names					,	i dance	
Remarks:			The state of the s	,	,	- 151 - 1	
	I hereby contifu I	visited the short	ve well on this date.				
DATE	creby certify i	visited the abov	e wen on this date.				



# State of West Virginia

# Department of Mines Oil and Gas Division Charleston 25305

#### WALTER N. MILLER DIRECTOR

THEODORE M. STREIT ADMINISTRATOR

May 9, 1983

Rimrock Production Corporation 4424 Emerson Avenue Parkersburg, W. Va. 26101

#### Gentlemen:

The required records and reports have been received in this office and the District Inspectors have submitted FINAL INSPECTIONS for the following wells listed below:

PERMIT NUMBER	FARM AND WELL NUMBER	DISTRICT
RIT-5455-FRAC.	E. C. Curry, #1	Union
RIT-5469	Olin D. Baker/Lettie M. Baker #1	Clay
RIT-5516-REFRAC.	Walter A. Crane Heirs, #1	Union
RIT-5590	Freda & Leonard Byrd, #1	Union
RIT-5611	Martin Corbin, et al, #1	Grant
RIT-5680	Walter A. Crane Heirs, "A" #1	Union
RIT-5685	Grace Cox, et al, #1	Union
RIT-5698	Carl Dotson, #1	Grant
RIT-5709	Merrill G. Hedrick, #1	Grant
RIT-5711	Merrill G. Hedrick, #2	Grant
RIT-5718·	Elsie Cameron, Agent, #1	Union
RIT-5720	Cecil C. Gardner, #1	Grant
RIT-5752	Emmett Moyers, #1	Grant
RIT-5844	Arrahwanna Pifer, #1	Grant
RIT-5845	Floyd Pifer, et al, #1	Grant

In accordance with Chapter 22, Article 4, Section 2, the above captioned wells will remain under bond coverage for "life of wells." Reclamation requirements have been approved.....

Very truly yours,

Theodore M. Streit, Administrator Office of Oil & Gas-Dept. Mines

