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

TELEPHONE: (304) 348-3092



100	State	County	Permit
API Well No.	47	085	5711
Operator's Well No.	Hed	rick	#2
Date:	rela	, 19	82

STATE OF WEST VIRGINIA

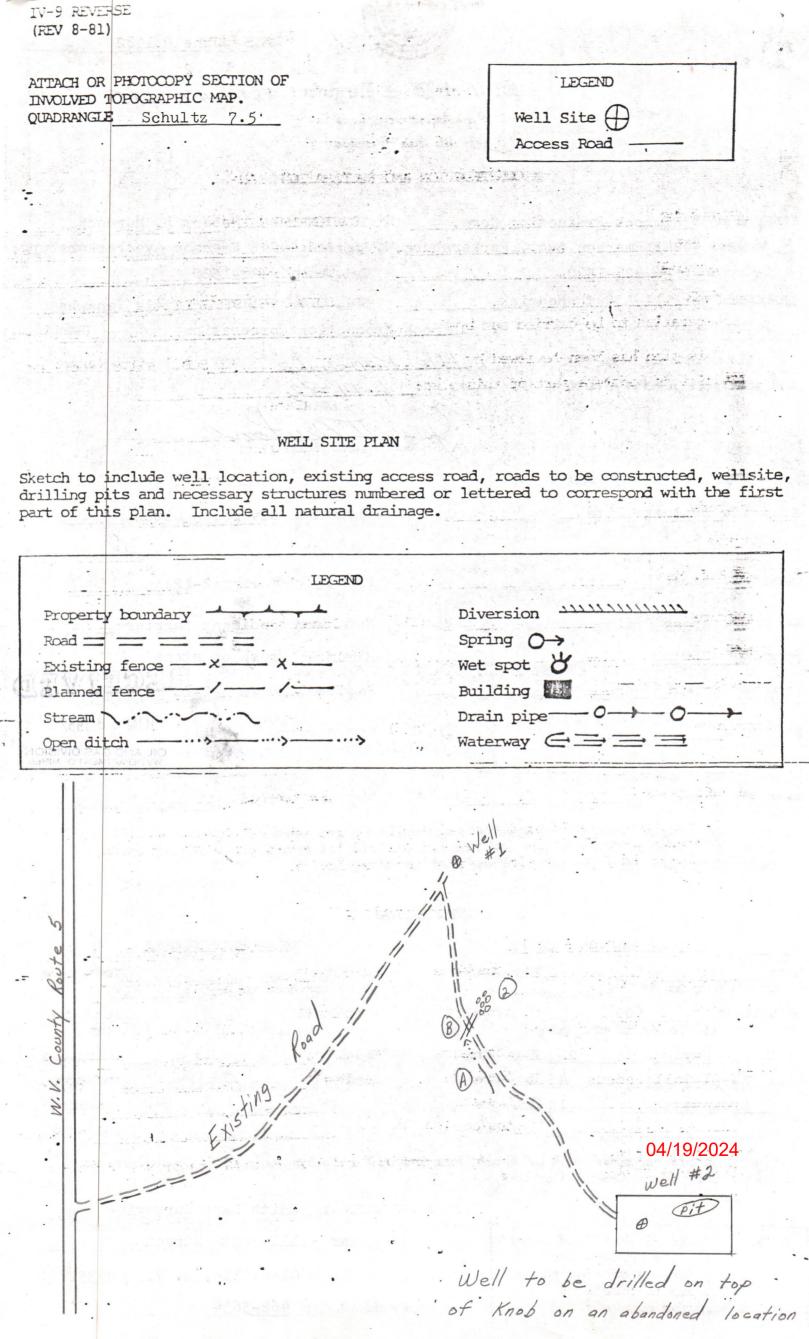
	DEPAR	TMENT	OF MIN	ES. OIL AND	GAS DIVISION
OIL	AND	GAS	WELL	PERMIT	APPLICATION
1	Gas	X	1		

	OIL AND GAS W	ELL PERMIT	APPLICA	TION	
WELL TYPE: Oil X	/ Gas <u>X</u> /				
- (If "Gas"	', Production X	Underground sto	rage	/ Deep	/ Shallow/)
LOCATION: Elevation	: 1148'	Watershed:	Bear	Kun	
District:	Grant	County: Ri	tohre	Quadrang	le: Schultz 7.5
WELL OPERATOR Pimr		^	SIGNATED A	AGENT Rober	of L. Murdock
	Emerson Quer		Address 4	1424 BE	merson avenu.
	sburg, W.Va. 21		Pa	rkersburg	g, W. Ca. 26104
OIL & GAS ROYALTY OWNER Mex	rrill G. Hedrick	CO	AL OPERAT	TOR non	9
Address Route	1 Box 194		Address _		
Cairo	W. 4a. 263	37	_		
	120.76		AL OWNER	(S) WITH DECL	ARATION ON RECORD:
SURFACE OWNER MA	errilla. Hedric	K Nar	ne MOX	26	
Address Poute	1 Box 194		Address_		
	w. 40 2630	37		7	TECEI AE
Acreage Acreage		Nan	me		JUN 1 8 1982
FIELD SALE (IF MADE) T			Address		JOIN 1 9 1385
Address unk					OIL AND GAS DIVISION WY DEPARTMENT OF MINES
		СО	AL LESSEE	WITH DECLAR	RATION ON RECORD:
OIL & GAS INSPECTOR TO	O BE NOTIFIED	Nai	me nor	76	
Name Den Mago					
Address Rt. 1	Box 5				
	ridge W.Y	0	a grande a fi		
. 25			Halah.		
The undersigned well operat	^	the state of the s			
other contract × / dated	d <u>all</u> , 19	9 0 , to the u	ndersigned w	ell operator from	James K.
(IF said deed, lease, or other	r contract has been record	led:)			
Recorded on aug 17	_, 19_81_, in the office	e of the Clerk of the	County Com	mission of Rit	tchie County, W.
va., in Lease F					
PROPOSED WORK: Drill_	,				,
	off old formation			AV SLIF TA MISTON	THIS PERMIT MUST BE PC
		APTER 22.	C WING CO	HA ACCORDAN	ALL PROVISIONS BEING
Other	physical change in well ((specify)	L NOUS C	ALIPH BASTA	ANTIQUE A OF THE W. VI
—plan	nned as shown on the wor	rk order on the rev	erse side he	reof	NOT SEVEN A
					IF OPERATIONS HAVE IN
The above named coal opera make by Code \$22-4-3 must b					The state of the s
Department.	thed with the Departmen	int of wines within	inteen (13) a	ays after the rec	eipt of this Application by t
Copies of this Permit Applica	ation and the enclosed plat	and reclamation pla	n have been n	nailed by register	ed mail or delivered by hand
the above named coal operator					
the Department of Mines at			,		y or this I climic Application
PLEASE SUBMIT COPIES O	EATT				04/19/2024
GEOPHYSICAL LOGS DIRE			Rim	rock Proc	duction Corp
WEST VIRGINIA OIL AND	GAS			Well (Operator
CONSERVATION COL	MMIS- BLANK	FT ROAD	By _	lison (Jeane
SION 1615 WASHINGTON STREET	EAST	- i Dolen	Its (gent	
CHARLESTON, WV 25311	the state of the s		78 77 60		

PROPOSED WORK ORDER

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

GEOLOGICAL Estimated Approxim	TARGE depth of	T FORM of compl er strata	ATION, eted well depths:	Address ,	150,918eet;	t Rotary		le tools/
CASING OR TUBING TYPE	SPE	CIFICATI	ONS Weight per ft	New User		NTERVALS	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	1/3/4	100	116#		350	350	CIS	Kinds
Conductor	05/2	eru)	23	V	1200	1200	350sks	Baker
Fresh Water	0 8	LIW	2		1200	1400		Sizes
Intermediate								
		10101	#	~	8	5500	BOsks.	Depths set 2/000'
Production	14/12	erw	10.5	X		4000	750 525.	7000
Tubing	23/8	j Ch	4.7	X		7000		Perforations: est. (4)
Liners	ATEG VV	1						Top 3200 Bottom 4
			· · · · · · · · · · · · · · · · · · ·					1 op De Co Bottom 7
			Will a switzers					
pres "Re prev Code	cribed by clamation riously pa e \$22-4-	y Regulate Plan'', id on the 8a from t	applicable same well the owner	e to the real, the feer	eclamation required by Code vater well or dwe	red by Code 5 § 22-4-12a, and elling within 20	wed by Code § 22-4 22-4-12b and Regula (v) if applicable, the 0 feet of the propos well where fracturing Form IV-2 filed in co	consent required by
ARTICLE 4 OF	THE W.	VA. CO	CORDAI DE, THE	NCE WITH LOCATION HIS PERM	CHAPTER 22, N IS HERESY IT SHALL EXPIRE			
BY	1	-	4				favir - ilea	
The under	ersigned of	coal opera	ator	/ own	wer/ les	AIVER ssee/ of the well locatione at this location	of the coal under th tion, the well location tion, provided, the w	of receipt thereof. 04/19/2024 is well location has examined in has been added to the mine not well operator has complied with
Date:				19	1,25	By	1 (2/14/2)	





DATE	June	9.1982	

State of Mest Wirginia

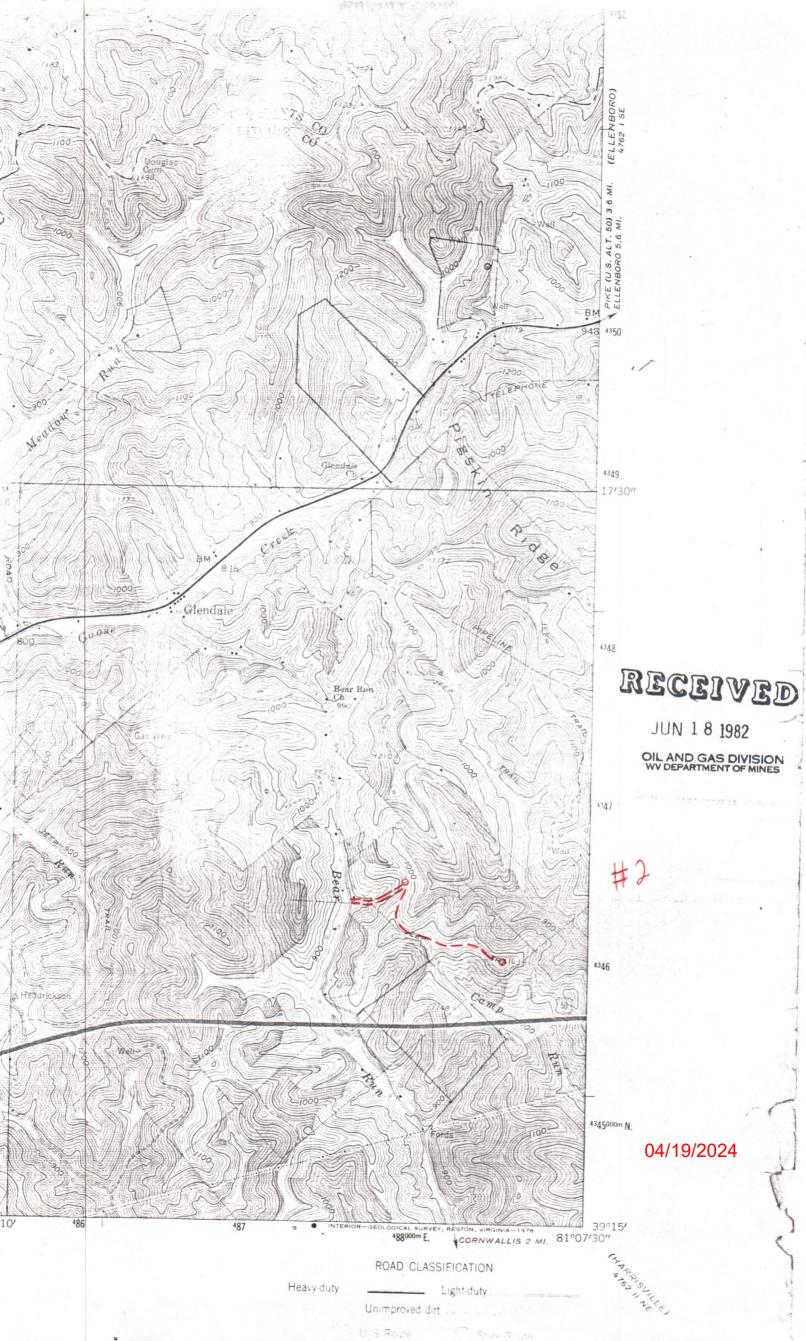
API NO. 47 -085

Bepartment of Mines Gil and Cas Zivision

CONSTRUCTIO	ON AND REC	IAMATION PLAN	
COMPANY MARE D.			
COMPANY NAME Rimrock Production Cor		그렇게 되었다면 가게 되었다.	
Address 4424B Emerson Ave., Park	ersburg, W		
Telephone 428-1520		Telephone 42	8-1520
LANDOWNER Merrill & Ruth Hedrick	-	SOIL CONS. DIS	STRICT Little Kanawha
Revegetation to be carried out by	Rimrock F	roduction Corp	oration (Agent)
This plan has been reviewed by 1	Hek	anawha	_SCD. All corrections _
and additions become a part of this pla	n:	6-14-82	1.
	1	(Date)) . /
-	Jan	(SCD Agent)	n
	0		
ACCESS ROAD	even de ga	recordentes del L	OCATION
나가 하다 하는 사람이 아이를 가지하고 있다면 하게 되었다. 이 이 사람이 되었다는 것이 없는데 하는데 되었다.		Structure	(1)
Spacing .	The State of Section 1991 and Section 1991	Material .	- pyt
Page Ref. Manual 2-12		Page Ref. Manu	37
7-12		rage ker. Milit	A Off
Structure Cross Drain	(B)	Structure	(2
Spacing 250'		Material	,0
	•		रहारा विजिन्न हिंदी
Page Ref. Manual 2-1		Page Ref. Manua	al arecella R
Structure	(C)	Stricture	JUN 1 8 1982 (3
Scructure	(C)	Structure	OIL AND GAS DIVISION
Spacing		Material	WV DEPARTMENT OF MINES
Page Ref. Manual		Page Ref. Manua	1
All structures should be inspected commercial timber is to be cut and so cut and removed from the site before	tacked and	all brush and s	f.necessary. All small timber to be
R	EVEGETATIO	N	
Treatment Area I& II		MINISTER STATES	- NIMINAMMUNIM
Lime _ Tons/acre)		Tons/acre
or correct to pH 6.5			
Fertilizer 600 lbs/acre (10-20-20 or equivalent)			lbs/acre 20-20 or equivalent)
Mulch Hay 2 Tons/acre	.	Mulch	Tons/acre
Seed* KY-31 Tall Fescue 45 lbs/acre		Seed*	lbs/acre
Crownvetch 10 lbs/acre			lbs/acre
lbs/acre			lbs/acre
*Inoculate all legumes such as vetch, Inoculate with 3X recommended amount.	trefoil	and clovers with	04/19/2024 the proper bacterium.
	PLAN PRET	PARED BY Smith	Land Surveying

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

111 South Street Glenville, W. V. 26351 462-5634 PHONE NO.





State of Mest Airginia Pepartment of Mines Gil and Gas Division Charleston 25305

TO:

ALL OPERATORS

DATE: June 10, 1982

FROM:

Theodore M. Streit, Administrative Assistant

RE:

New Permit Application Forms

On March 13, 1982, the legislature passed HB-154 which goes into effect June 11, 1982. This bill requires proof of one-eighth (1/8) royalty payment to the royalty owners before any well permit can be issued.

We are at the present time printing up new Permit Application Forms which should be available by next month. In the meantime you will be required to send in a notarized affidavit (sample copy below) with each permit application.

AFFIDAVIT

I, Robert L. Murdock (the above desginated owner or operator, or authorized representative thereof) hereby verifies that the owner or owners of the mineral estate upon which this proposed well is to be located will receive minimum one-eighth (1/8) royalty payments for any gas or oil extracted therefrom. Copies of the 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, co-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.

Signed: Balent J. Mundoch
(Owner, Operator, or Authorized Representative)

Notary: Candace D. Wine (Signed

My commission expires October 19,1991

47-085-5711

RECEIVED

JUN 1.8 1982

OIL AND GAS DIVISION WY DEPARTMENT OF MINES

04/19/2024



111N 1 8 1982

OIL AND GAS DIVISION



RECEIVED



IV-35 (Rev 8-81)

NOV 5 - 1982

OIL AND GAS DIVISIONS tate of Mest Hirginia

Bepartment of Mines Gil and Gas Bivision

Date_	October	18,	1982	2
Operat	or's			
Well N	0	#2		
Farm_	Hedric	k		
API No	. 47 -	085	_	5711

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

	TYPE: Oil x / Gas x / Liquid Injection (If "Gas," Production x / Underground	and Storag	ge/ Dee	p/ Sha	llow_X_/)
LOCAT	TION: Elevation: 1148' Watershed Be	ar Run			-
	District: Grant County Ritch	ie	Quadrangl	e Schultz	7.5'
					20.
COMPA	NY Rimrock Production Corporation				-
	255 4424 "B" Emerson Ave. Parkersburg, WV	Casing	Used in	Left	Cement fill up
	NATED AGENT Robert L. Murdock SS 4424 "B" Emerson Ave. Parkersburg, WV	Tubing	Drilling	in Well	Cu. ft.
		Size		10.76	1,23
SURFA	CE OWNER Merrill G. Hedrick SS Rt. #1 Box 194 , Cairo, WV 26337	20-16 Cond.			40
		13-10"	20		
MINER	AL RIGHTS OWNER Merrill G. Hedrick SS (Same as above)	9 5/8			
		8 5/8	1316	1316	CTS
	ND GAS INSPECTOR FOR THIS WORK Deo	7		11112	
	Mace ADDRESS Rt. #1 Box 5, Sandridge, W	5 1/2			8.07
	T ISSUED	4 1/2	4827	4827	650 sks.
	ING COMMENCED September 6, 1982	3			
DRILL	ING COMPLETED September 10, 1982	2			a Maria
	PLICABLE: PLUGGING OF DRY HOLE ON NUOUS PROGRESSION FROM DRILLING OR				
	KING. VERBAL PERMISSION OBTAINED	Liners	253		The Bear School and the Section of t
ON					
GEOLO	GICAL TARGET FORMATION Devonian Shale		Dept	th2620'-48	880' feet
	Depth of completed well 4900' feet R	otary X			
	Water strata depth: Fresh 348 feet;			-	
	Coal seam depths:			ed in the	area? No
	FLOW DATA			0600 40	00
	Producing formation Devonian Shale				
	Gas: Initial open flow 0 Mcf/d				
	Final open flow 116 Mcf/d				
	Time of open flow between initi				
	Static rock pressure 750' psig(surface			48 hou	rs shut in
	(If applicable due to multiple completion-	-)		04/	19/2024
	Second producing formation	Pay	zone dept	h	feet
	Gas: Initial open flowMcf/d				
	Final open flow Mcf/d				
	Time of open flow between initi	al and fi	nal tests	ho	urs
			7 V-1		
	Static rock pressurepsig(surface	measureme	ent) after_	hou	rs shut in

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

Stage 1 - 406	50 -	4880	23	holes	850,000	scf	N2 OVALIO	169	gal.	acid
Stage 2 - 344	40 -	4000	18	holes	820,000	scf	N2	168	gal.	acid
Stage 3 - 262	20 -	3380	23	holes	850,000	scf	N2	168	gal.	acid

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
		The second secon	the second of th
Soil Soil	0	15	
Sandstone & Shale	15	50	
Sandstone & Shale	50	100	With the transfer of the post of the second
Siltstone	100	200	the state of the s
Siltstone	200	300	
Siltstone & Sandstone	300	400	
Sandstone & Siltstone	400	500	Copylia
Sandstone & Shale	500	600	
Sandstone & Shale	600	700	
Sandstone & Siltstone	700	800	
Siltstone	800	900	
Sandstone & Siltstone	900	1000	And the second s
Sandstone & Siltstone	1000	1100	
Sandstone & Siltstone	1100	1200	
Sandstone & Siltstone	1200	1300	
Sandstone & Shale	1300	1400	
Sandstone & Shale	1400	1500	no final or one of the
Sandstone & Shale	1500	1600	
Sandstone & Shale	1600	1700	
Sandstone & Shale & Lime	1700	1800	The same of the sa
Sandstone & Shale & Dime	1800	1900	
Sandstone & Shale	1900	2000	
Sandstone & Shale	2000	2089	and the second s
Big Injun	2089	2189	
Siltstone	2189	2400	
Siltstone	2400	2500	
Siltstone	2500	2554	
	2554	2557	
Berea Sandy Siltstone & Siltstone	2557	2700	
Siltstone & Siltstone	2700	2800	
Siltstone	2800	2900	
Siltstone & Sandstone	2900	3000	PART OF THE PARTY
	3000	3500	
Siltstone & Shale	3500	4000	
Siltstone & Shale	4000	4500	
Siltstone	4500	4797	
Siltstone	4500	1 4/5/	

(Attach separate sheets as necessary)

RIMROCK PRODUCTION CORPORATION Well Operator

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."

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

RECEIVED

SEP - 9 1982

OIL AND GAS DIVISION WY DEPARTMENT OF MINES

DISTRICT WELL INSPECTOR

INSPECTOR'S WELL REPORT

Permit No. 85-57 //			Oil o	r Gas Well
Company Rimrock Prod. Corp.	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS
Address	Size	6 - N - 8 - 1	100 m 1 m 2 m 10 m	
Farm Merrial D. Hedrick	16			Kind of Packer
Well No Hedrick # 2	13			
District Shart County Rit	81/4		Appendix of the second	Size of
Drilling commenced 9-6-82	6%			Donth
Drilling completedTotal depth	5 3/16			Depth set
	3			Perf. top
Date shotDepth of shot	. 2			Perf. bottom
Initial open flow/10ths Water inInch	Liners Used			Perf. top
Open flow after tubing/10ths Merc. inInch				Perf. bottom
Cu. Ft. Rock pressurelbshrs. bbls., 1st 24 hrs. such a small amount couldent resh water Wester was feet	NAME OF SERV	OUNTERED A	Y	No. FTDate
alt water <u>feet</u> feet		INCHE		i
rillers' Names A.P. Collins / Henney Ores W. A Rieg # 23 Plug down at 9:00 ce so 25 sacks more wa	Bok	Pushel Bosa	boece	Secement surface top
9-7-82 BATE		Same	uef N.	04/19/2024 Versman

DATE

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

					AA CI	11 170				
COMPANY		ADDRESS								
FARM		DISTRIC	CT	CC	OUNTY					
Filling Material Used										
Liner Lo	eation	Amoun		Packer	Location		and the second			
PLUGS USED	AND DEPTH PLACED			RIDGES	CASIN	G AND TU	BING			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUC	CTION-LOCATION	RECOVERED	SIZE	LOST			
							7.5			
				barran al lacada a	100					
	- Principle	b norvare	We have the							
				,						
The second secon										
Drillers' Names						-				
			Section 19							
Remarks:										

I hereby certify I visited the above well on this date.

STATE OF WEST VIRGINIA

	OIL AND	RTMENT OF M	VISION	DEC	EIVED
Permit N	.85-57//	R'S WELL	REPOR		P14 1982
Compan	Rimrock Frod. Corp.	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address		Size			4.5.8
Farm	Perrill B. Helrick	16			Kind of Packer
Well No	Hedrich # 2	13			
District	Grant County Pet	10			Size of
		65%		a row d	
	commenced 9-6-82	5 3/16			Depth set
Drilling o	completed 9-10-82 Total depth 49/2	3			Perf. top
Date shot	Depth of shot	2			Perf. bottom
Initial op	en flow/10ths Water inInch	Liners Used			Perf. top
Open flow	after tubing/10ths Merc. inInch				Perf. bottom
Volume_		CASING CEMEN	TED	SIZE	No. FTDate
Rock pres	surelbs,hrs.	NAME OF SER			No. F1Date
Oil	bbls., 1st 24 hrs.	COAT 277.5			
Fresh wat		COAL WAS EN	COUNTERED	AT	FEETINCHES
	Teet	FEET_	INCHE	ES	FEETINCHES
Salt water	Teet	FEET_	INCHE		FEETINCHES
Drillers' N	A. Rig 23	renner/	Willar Pusher Pert Boo	f Spec	ce.
	T-D. Well 4,9	1/2'			
	T-D, Well 4,9 getting ready to n	en 4 ca	sing		

DISTRICT WELL INSPECTOR

DATE

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

MPANY			ADDRESS				
RM		DISTRICT	C	COUNTY			
ling Material Used	aga anto indire goran ay distante pilone anto anto anto anto anto anto anto anto						
er Loc	cation	Amount	Packer	Location	17		
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASING AND TUBING			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST	
	7						
						-	
-							
		·					
	7						
	A CO		· · · · · · · · · · · · · · · · · · ·				
lers' Names							
narks:				. 1915			
	I hereby certify I	visited the above	e well on this date.				

04/19/2024

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEFT. OF MINES

Permit No. 85	57//					r Gas Well	
Company Rimu	och Produce	Tim Co	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PA	CKERS
Address			Size				
Farm Hedr	rich		16			Kind of P	acker
Well No. 2			13				
District Stran	ounty County	itehie	81/4			Size of	
Drilling commenced_			65/8			Depth set	
Duillian			5 3/16	1			
Drilling completed	Total depth	1	3			Perf. top_	
Date shot	Depth of shot_		2			Perf. bott	om
Initial open flow	/10ths Water	r inInch	Liners Used				
Open flow after tubing	/10ths Merc.	inInch				Perf. botto	om
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_	INCH	ES	FEET	INCHES
alt water	feet		FEET_				
rillers' Names							
emarks:			4				
Ta	inal An	spect	ion (OFt	Rela	asp	

4-18-83

Samuel M. H0411912024

DATE

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No						
MPANY		· · · · · · · · · · · · · · · · · · ·	ADDRESS			
RM		DISTRICT.	C	OUNTY		
lling Material Used	,					
ner Loc	ation	Amount	Packer	Location CASING AND TUBING		
PLUGS USED A	ND DEPTH PLACED		BRIDGES			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOS
	, , , , , , , , , , , , , , , , , , , ,					,
	1,		, ,			
				-		
llers' Names	1					
marks:						,
DATE	I hereby certify I	visited the abov	ro well on this data			



State of West Virginia Department of Mines (Dil 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

