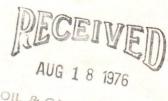
B1

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



DEFT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. Wir - 70						or Gas Well
Company Ray Res	sources Div of	5.D.O.C	CASING AND TUBING	USED IN	LEFT IN WELL	PACKERS
Address	1	ethetis mis tot erne riserannen ett sagerne ett majerne	Size			
Farm C. K	200 AND	OVERNOON OF THE OWNERS OF THE	16			Kind of Packer
Well No.	7 The residence of the second		13	and the contract of the contra		
District Reedy	County L	9 ir f	81/4 8 3/8	erio il republica di digitalmenti in erio e identificazioni depo indiani.	206	Size of
Drilling commenced		er oo saaraa ka k	6%			Depth set
Drilling completed 8-	16-76 Total dept	2583	53/16 4 5		2580	D. C.
Date shot	Depth of shot		2		the many distributed actions and respectively included the contraction debates.	Perf. top Perf. bottom
Initial open flow	/10ths Water	r inInch	Liners Used	and the second		Perf. top
Open flow after tubing.	/10ths Merc.	inInch	4 % Cen	~ 75 B	ge Dowe	Perf. bottom
Volume		Cu. Ft.	CASING CEMEN	TED 8 8	SIZE 20	6 No Em
Rock pressure	lbslbs	management hys.	NAME OF SERV	VICE COMPA	75 B	ge nwell
);L	A P 40	., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	_FEETINCHE
resh water	feet	feet	FEET	INCH	ES	FEETINCHE
alt water	Teet.	feet	FEET_	INCH	ES	FEETINCHES
Drillers' Names	Bain water					
Cont -	F.W.A D	illing Co	à Rolang	- Flui	2	
· · · · · · · · · · · · · · · · · · ·						and the second s
	RUNNING	42 G				

8 - 16 - 76 DATE Bollow One 91/12/2024

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No.				Wel	1 No	-
COMPANY			ADDRESS		II No	12 (1)
FARM		DISTRIC	CT(COUNTY		
Filling Material Used						
	cation	Amount		· Location		The state of the s
PLUGS USED A	ND DEPTH PLACED	and ordered the manufacture of the same of	BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LUCATION	RECOVERED	ŠIZE	LOST
	Market on control and the cont					
	08.7					
and the second s	colours received an extendity for our residual Sharehand At No. The confiction control process.					Personal property and advantage
en vertre en side sides discussivitée des des que en entre en le se en en entre en de le seu en entre en entre	, a .					
Orillers' Names				the site of the si		
		The state of the distribution and the state of the state				
Remarks:						
DATE	I hereby certify I	visited the a	bove well on this date.			

B-3



State of West Birginia

Department of Mines Gil and Gas Bivision Charleston 25305

November 10, 1976

JOHN ASHCRAFT Director november 10, 1976

ROBER1 Director

Paul Goodnight Smithville, W.Va.

PERMIT _	WIRT-701	
COMPANY	Pay Resources	The second secon
FARM	C. Rowand (Cabot)	and the second s
WELL NO	722 (3)	A first ship was a first state of the state of
DISTRICT	Reedy	the strength of the state.
COUNTY _	Wirt	

Dear Sir:

Please make a final inspection of the well described above.

Very truly yours,

Dobet Kroda

Robert L. Dodd

RLD/chm

OG-11 B-11

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



REPORTS PLUGGING REPORT

INSPECTOR'S WELL REPORT

Permit No. Wir - 701	GGAADD		Oil or	Gas Well	COMPANY
Company Ray Resources Dis OF F. D. O. C	CASING AND TUBING	USED IN DRILLING	LEFT IN		KERS
Address	Size		and the second s	boall laire	Filling Mate
Farm C. Roward 388089	16	A	acitaso.	Kind of Pa	cker_ 19ni.l
Well No. 722 (3)	13		Dirace una e	reu saula	ON A COMPANY OF THE PROPERTY O
District Reedy County wirt	10	35.4	-0.00km	Size of	CEMENT
	65%			Depth set_	
Drilling commenced	5 3/16			and the same of th	and the second provide the second Popular
Drilling completedTotal depth	3			Perf. top_	
Date shotDepth of shot	2			Perf. botto	m_
Initial open flow/10ths Water inInch	Liners Used			Perf. top_	Section 1865 and the section of the
Open flow after tubing/10ths Merc. inInch				Perf. botto	m
VolumeCu. Ft.	CASING CEMEN	TED	SIZE	No. FT	Date
Rock pressurelbshrs.	NAME OF SER	VICE COMPA	NY	Continue Auditor and Spring Spring for the consequence	
Oilbbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEET	INCHES
Fresh waterfeetfeet	FEET_	INCH	IES		
Salt waterfeetfeet	FEET_	INCH	IES		Drillers' Nat
Deiller Mana					Remarks:
Drillers' Names		-			
Remarks:					

Rel-

1 - 12 - 78

DISTRICT WALL INSPECTOR

STAG

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No.	•			We	II No	
COMPANY			ADDRESS			
FARM	DISTRICTCOUNTY					
Filling Material Used				23-11-2		A STATE OF THE STA
Liner Loc	cation	Amount	Packer	Location		
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
						-
			g de la			
					13.45	
	1					
				SCIPIO MINORE AND RESCREED ARRANGE MINORE BOARD		
Drillers' Names					***************************************	
Remarks:						
itematas.						
DATE	I hereby certify I	risited the abo	ve well on this date.			
DATE						

BIN



State of Mest Airginia Department of Mines Gil und Gas Division

Charleston 25305

February 6, 1978

Ray Resources, Div. of FDOC. 630 Commerce Square Charleston, W.Va. 25301

Dear Sir:

The required records and reports have been received in this office and the District Inspectors have submitted Final Inspections for the following wells

WIRT-699 - Dustin Enoch # 2-706 - Reedy District

WIRT-701 - C. Rowand (Cabot) # 3-722 - Reedy District

WIRT-710 - A. S. Rowand # 2-745 - Reedy District

WIRT-713 - B. N. Wiseman (Cabot) # 1-750 - Tucker District

WIRT-714 - Charles Morgan (Cabot) # 2-751 - Reedy District

In accordance with Chapter 22, Article 4, Section 2, the bond coverage for above captioned wells will stay in force until such time as the requirements of Chapter 22 have been met. "Bonds will stay in force for life of the wells."

Very truly yours,

Robert L. Dodd, Deputy Director Oil and Gas Division

RLD/chm

WEST VIRGINIA DEPARTMENT OF MINES CHARLESTON, WEST VIRGINIA INTER-OFFICE MEMORANDUM

IO: Robert Dodd

DATE: 6-30-77

Jul

FROM: K. Paul Goodnight

SUBJECT: Complaint Cowland - WIT-701

Venr Beb: After Completing my investigation, I find Mrs Clarence howland in Error when she said the Breek was dammed up, & the Corn & tobacco Crop is being Ruised by oil blooding from pits on The location ,

The Facts are a wash out did occure due to herey rains, some tobacco & Corn Coops was ruined by the water, which in we way could the two wells on the Rowland Property had anything to doe with this, today -6-30-77 Ray Resources Moved a dozer on Those Locations to reclaim them According to Section 126 -



OIL & GAS DIVISION DEPT. OF MINES 6.30-77

E-1

CHARLESTON, WEST VIRGINIA

TO: Paul Goodnight

DATE: June 29, 1977

FROM: Dodd

SURJECT: Permit No. WIR-701

Paul,

Mrs. Clarence Rowland filed a complaint through the Governor's office regarding the above captioned well location.

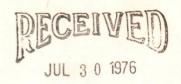
According to Mrs. Rowland, the creeks were dammed up and the tobacco and corn crop is being ruined by oil flooding from pits on the location. This happened last week-end and Mr. Rowland said that it also occurred last summer.

Please check into this matter immediately and submit a written report as soon as possible.

/1s Attachment - copy of plat The Clasen Rouland complained through Sor office (other sice) of danned oruld Debacco Con crop ruind by inflooding from juto dung lat with he are last 6-29-77 Send &: Loodnight

THIS





OIL & GAS DIVISION DEPT. OF MINES



Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

Charleston, W. Va.	DATE	July 29, 1976	
	RAY	RESOURCES, DIV	
Surface Owner Clarence Rowand		NG DIAMOND OIL	
Address		mmerce Sq., Ch	
Mineral Owner Cabot Corporation		nd (Cabot)	
Address Charleston, West Virginia	Location (waters	Rowands F	Run
Coal Owner	Well No.	#722 (3)	Elevation 871
Address	District	Reedy	County_Wirt
Coal Operator	Quadrangle	Ripley	
Address			
PERMIT MUST BE POSTED AT THE WELL S.TE			
ovisions being in accordance with Chapter 22, W. Va. Code, the location is hereby approved	INSPECTOR TO BE NOTIFIED	K. Paul Good	night
drilling . This permit shall expire if tions have not commenced by 7-30-76 .	ADDRESS	Smithville,	W. Va.
Trobat & Mas	PHONE 477-24	55	
POLITY Director - Oil & Gas Division			
The undersigned well operator is entitled to drill upon			
title thereto, (or as the case may be) under kaxxxxx	the state of the s	The state of the s	Committee of the commit
Company made to Ray Resources 19, in County, Book	and recorde	d on the	Committee of the commit
Company made to Ray Resources 19, in County, Book	and recorde	d on the	day of
Company made to Ray Resources	and recorde	d on theFRACTI	day of
Company made to Ray Resources 19, in	Page REDRILL ILLED BEFORE JUNE 5 neer or licensed land surveyereby notified that any of	FRACTION, 1969.	URE OR STIMULA
Company made to Ray Resources 19, in	and recorde Page REDRILL ILLED BEFORE JUNE 5 neer or licensed land survey ereby notified that any oke of, or filed with the Depart	FRACTION, 1969. reyor and all coal of spection they wish to ment of Mines with	owners and/or operation make, or are required ten (10) days.
Company made to Ray Resources 19, in	and recorder Page REDRILL ILLED BEFORE JUNE 5 neer or licensed land survey ereby notified that any obtain, or filed with the Depart and recorder to page 1. The pa	FRACTION, 1969. reyor and all coal of the wish to ment of Mines with delivered to the above	owners and/or operation ten (10) days.
Company made to Ray Resources 19, in	and recorder Page REDRILL ILLED BEFORE JUNE 5 neer or licensed land survey ereby notified that any obtain, or filed with the Depart and recorder	FRACTION OF THE PROPERTY OF TH	owners and/or operation ten (10) days. The second of the control o
Company made to Ray Resources 19, in	and recorder Page REDRILL ILLED BEFORE JUNE 5 neer or licensed land survey ereby notified that any obtain, or filed with the Depart and recorder	FRACTION (1969. reyor and all coal of the wish to the ment of Mines with delivered to the above day (1964) t Charleston, West Very RAY RESOURCES	owners and/or operation ten (10) days. * ve named coal operation ten op
Company made to Ray Resources 19, in	and recorder Page REDRILL ILLED BEFORE JUNE 5 meer or licensed land survey ereby notified that any obtain, or filed with the Department of Mines a	FRACTION, 1969. reyor and all coal of spection they wish to ment of Mines with delivered to the above day to Charleston, West VRAY RESOURCES FLYING DIAMON.	owners and/or operation ten (10) days. The second of the control o
Company made to Ray Resources 19, in	and recorder Page REDRILL ILLED BEFORE JUNE 5 neer or licensed land survey ereby notified that any obtained, or filed with the Department of Mines a Very truly yours	FRACTION (1969. reyor and all coal of the wish to the ment of Mines with delivered to the above day (1964) t Charleston, West Very RAY RESOURCES	owners and/or operation ten (10) days. * ve named coal operation ten op
Company made to Ray Resources 19	and recorded Page Page REDRILL ILLED BEFORE JUNE 5 neer or licensed land survey and survey are licensed land survey a	FRACTION, 1969. To specify and all coal of specify and specifical specify and specifical specifical specifical specifical specifical spec	o make, or are required to the control of the contr
Company made to Ray Resources 19	and recorder Page REDRILL ILLED BEFORE JUNE 5 neer or licensed land survey ereby notified that any obtained, or filed with the Department of Mines a Very truly yours	FRACTION (1969). The second and all coal of the second and all coal of the second and all coal of the second and the second a	o make, or are required to the control of the contr
Company made to Ray Resources 19	and recorded Page REDRILL ILLED BEFORE JUNE 5 neer or licensed land survey of the Department of Mines and Very truly yours (Sign Name) Address	FRACTION, 1969. To specify and all coal of specify and specifical specify and specifical specifical specifical specifical specifical spec	o make, or are required to the control of the contr
Company made to Ray Resources 19	and recorded Page REDRILL ILLED BEFORE JUNE 5 neer or licensed land survey of the Department of Mines and Very truly yours (Sign Name) Address of	FRACTION, 1969. To sever and all coal of the sever and all coal of th	owners and/or operation ten (10) days. The before, or on Wirginia. DIVISION OF DOIL CORPORATE Square

*SECTION 3.... If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

WIRT -701 PERMIT NUMBER

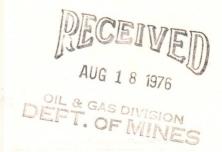
THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO XXX DRILL			DEEPENFRACTURE-STIMULATE			
	CONTRACTOR: (If K		RESPONSIBLE AGENT:			
		, Inc.	Table 1			
				Culloden, W. Va.		
	VE 965-3379		TELEPHONE 74			
		TED WELL: 2570	ROTARY XXX	CABLE TOOLS		
		ATION: Berea				
TYPE OF	WELL: OIL			DISPOSAL		
		RECYCLIN	G WATER FLOO	ODOTHER		
TENTATIV	E CASING PROGRAM:					
CASIN	G AND TUEING	USED FOR	LEFT IN	CEMENT FILL UP		
MR-1000-United School Street Control of Con-	SIZE	DRILLING	WELL,	OR SACKS - CUBIC FT.		
20 - 16	anne provincia successiva superindrata a vida - a staturada particular societa e e e e e e e e e e e e e e e e	and plantovindras indifferentiation and restrict individualistics beginning an indigeneous collection individualistic				
offs The representation of the desire of the second of the	11 3/4"	301	30'	To Surf		
9 - 5/8		350'	350'	To Comp		
7		350,	350	To Surf		
5 1/2		and the second s	9			
4.1/		2570	2570'	50 Sks.		
3				Perf. Top		
2				Perf. Bottom		
Liners				Perf. Top Perf. Bottom		
Autorian des selections de seu de confidence des empayments				1011. 2010 11 10 10 10 10 10 10 10 10 10 10 10		
			a prigre dostalance	or drilling or		
		DEPTHS 75 FEET		FEET_		
APPROXIM	MATE COAL DEPTHS_	and distributions and individual state respectively. The adoption of the strange	· · · · · · · · · · · · · · · · · · ·			
IS COAL	BEING MINED IN THE	AREA? NO	BY WHOM?	The Director Of the Control		
TO DRILL	ı:					
SUBI	MIT FIVE (5) COPIES	OF OG - 1, \$100.00 PERMIT	r fee, performance bo	OND AND PERMANENT COPY		
OF P	LAT.					
TO DRILL	DEEPER OR REDRIL	L:				
SUBM	MIT FIVE (5) COPIES C	OF OG - 1, SHOWING ORIGIN	NAL PERMIT NUMBER AN	D PERFORMANCE BOND. ON		
WEL		O 1929, A PERMANENT CO		HE ORIGINAL WELL RECORD		
TO FRAC	TURE - STIMULATE:					
		RIGINALLY DRILLED BEFOR AND ORIGINAL WELL REC		COPIES OG - 1, PERFORMANCE		
		RIGINALLY DRILLED ON AM MBER, AND PERFORMANCE		9, FIVE COPIES OG - 1, SHOW-		
_	ired forms must be filed (24) hours in advance.	within ninety (90) days of c	completion for bond release.	Inspector to be notified twenty-		
thereof.				issued within ten days of receipt		
WAIVER:				or Operator of the coal under		
	this lease have examine	ed and place on our mine ma	aps this proposed well locat	ion.		
	We the	Coal Company	have no objections to said w	rell being drilled at this location,		
	providing operator has code.	complied with all rules and reg	ulations in Articles 4, 5, and	7, Chapte 021/1f2/12024 Virginia		
			F	or Coal Company		
			· progrand only a solution of companies and a solution of the			
				0.66: -1-1.76:41-		

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT

Permit No. Wir - 70						r Gas Well	· ·
Company Ray Res	ources Div OFF.	D.O.C	CASING AND	USED IN DRILLING	LEFT IN	PAC	KERS
Address	1	THE A THE STREET AS A PROPERTY OF THE PARK THE WAS A PROPERTY OF	Size				
Farm_ C. Ko	BUAND	A Single	16	Military and an advantage and a second and a		Kind of Pa	cker
Well No. 722	- patrantage	and provided the control of the cont	13				
	The second secon	- et the terror and attributes we confirm a residence respective	10	derland for hymocoles all additional control and non-derivative additional and an extension of the control and	and the same of th	Size of	TOTAL STATE OF THE
District Keedy	County W	or f	81/4 83/8	ar commenced is survival or more respective and the secretary area manager	206		
Drilling commenced	8-12-76	pelastikajn diskir pravincijo ja jamaida o Aktio-dar-denom n. Stacj	6%		the second dispersion of the second strain of the second	Depth set_	S. All and the Control of the Contro
Drilling completed 8-	16-76 Total depth	2583	53/16 4 4		2530		and the second second second second
			3			Perf. top	
Date shot	Depth of shot	and the control of the second	2		4	Perf. botton	n
initial open flow	/10ths Water	inInch	Liners Used			Perf. top	
Open flow after tubing_	/10ths Merc. i	nInch				Perf. botton	n
/olume		Co. Th		75 B	•		
	lbs		CASING CEMEN NAME OF SER	VICE COMPA	- 75 B	No. FT.	Date
)il	bbls.,	, 1st 24 hrs.	COAL WAS EN	COUNTERED	A STATE OF THE STA		INCHES
resh water	feet	feet	FEET_	INCH	IES	FEET	INCHES
alt water	feet.	feet	FEET_	INCH	IES	FEET	INCHES
	Bainwater				and an order of the second		
	F.W.A D.	illing G	o Royano	y - Flu	id		
	2	11/2 C					
	Nunwing	43 (3	5				

8 - 16 - 76 DATE

1000 Jught WELL 14 1272024

Mrs Claim Rouland complained through
Sow office (other sine) of damed orule

Sobocco - con crop ruind by inflooding
from juto dury last with he are last
purner.

6-29-77

Send &:
Locolnight

VVEST VIRRINIA DEPARTMENT OF MINES CHARLEGTON, WEST VIRGINIA INTER-OFFICE INEMORANDUM

SIREST Find Clarence Expland - War-In

Date Basis

After Goodeling my invertigation I and per chicare seathed in Error when also

been was dominal up to the Coin & tobacco Coop is boing source son to testing time.

nemay ening some februs & Corn Coops was

wings of confuser passes on these forestions to rection after the property passes and and extension out off

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B-1



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

DECEIVED NOV. 9 1976

OIL & GAS DIVISION DEPT. OF MINES

Oil and Gas Division WELL RECORD

Quadra	ngle_	Ripley
Permit	No.	WIR-701

Rotary_X	Oil
Cable	Gas
Recycling	Comb. XX
Water Flood	Storage
Disposal	(Kind)

				(Kind)
Company RESOURCES, DIV. OF F.D.O.C. Address 630 Commerce Sq., Chas., WV 25301	Casing and	Used in	Left	Cement fill up
Farm C. Rowand (Cabot) Acres 100-3/4	Tubing	Drilling	in Well	Cu. ft. (Sks.)
Location (waters)Rowands Run	Size			
Well No. #722 (3) Elev. 871'	20-16			
District Reedy County Wirt	Cond.			
The surface of tract is owned in fee by Clarence	13-10"			
Rowand	9 5/8			
Address	8 5/8	217'	217'	To Surf.
Mineral rights are owned by <u>Cabot Corporation</u>	7			
Address Charleston, W. Va.	5 1/2			
Orilling Commenced 8-13-76	4 1/2	2570 '	2570 '	100 Sks.
Orilling Completed 8-25-76	3			
nitial open flow cu. ft bbls.	2			
Final production 189 M cu. ft. per day 30 bbls/da	y Liners Used			
Well openhrs. before testRP.				
Well treatment details:	Attach copy of o	cementing reco	rd.	
Well was frac'd with 471 Bbls. oil,	36,000# sand a	and 250 Gal	l. acid	

Fresh water	Feet	Salt Water	Feet
Coal was encountered at	Feet	Inches	
Perforated - 16 hole	s from 2547 - 2549'		
Average treating pres			
Average injection rat	te 31.4 Bbls. per minut	е	

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
op Soil			• 0	69		
hale			69	500		
ed Rock &	Shale		500	1300		
hale			1300	1450		
alt Snad			1450	1785		
ig Lime			1785	2125		
ime			2125	2203		
hale			2203	2546		
erea			2546 2550	2550		
hale			2550	2570 2570	T.D.	
				2570	т.р.	
						04/40/0004
						01/12/2024
			Dutc			
			GEP-0899	ÍA .		

(over)

Berea

Producing Sand____

^{*} Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
			santo ac	FIRMS SAS	e.	
			tolalviO	ed u bao	110	2 180
			0,000	MELL RE		
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			relety had as a con-		199	
			*			
				1	1	
			1 1		1	
						01/12/2024

Date November 8, 19 76

RAY RESOURCES, DIVISION OF FLYING DIAMOND OIL CORPORATION OWN

Geologist (

(Title)