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DEPARTMENT OF MINTE, DILLAND GAS DIVESTON

DEPT. OF WINDER W

WEEL OFLERIORIG REPORT 35 OF NG AND/OR STERVEATING, OR PRYSTOAL GRANGE

Bandani da a a a a	ATT & T	/ Cas X	_/ Liqu		/ Waste D	isposal /	•
WELL-TYPE: Cil / Gas X / Liquid Injection / Waste Disposal / (If "Gas", Production X / Underground storage / Deep / ShallowXX /)							
LOCATION: Zievation: 918.56' Wetershed: Horse Run							
District: Tucker County: Wirt Quadrangle: Elizabeth							
WELL OFFRATCE Ray Resources Div., BVX DESIGNATED AGENT Same							
Addres	630	Commerce	Sq.		144=033		
•	Chas	, WV 253	Ol	**************************************			
PERMITTED WO	P2:	us off old i	Portituet.	/ Drill deepe / Perfora n well (specify	te new format:	200	cturs or stimulate
Perme Issu	ಕ್ರಾಂಜ	May 9,	9 &	9_80_	OIL & GAS THIS	PECTOR POR TELS	i yoru:
(TF APPLICA	BUE: PL	UGGENG OF D	RY SOLE ON		Name K. Pau	l Goodnight	
الله الله الله الله الله الله الله الله	DIG. YE	ASAL PERKIS	SION OBTAI		åddress	Smithville,	WV 26178
		. 19				477-2455	
GEOLOGICAL '	TARGET I	ormizan:	Oriskan	y-strategical		Depth _575	<u> </u>
Depth	of compl	eced wall,	5758	feet Rot	erg_X/ c	able Tools	
Water	strata d	epth: Pres	T & Address of the Ad	'acus 3325,_	feat.		
coal s	eam dept	he se a		Is call be	ing mined in	the area? NO	
Coal sean depths: Is sold being mined in the area? NO Work was commenced 8/21 19.80, and completed 8/30, 19.80							
CASING AND							
CASING OR	15:== 1	SPECIFICATIONS Cradelpar	IONS	FOOTAGE 1		CENEWY FILL-UF OR SACKS	?ACTERS
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Producing Commence Oriskany							
Gas: Initial open flow,							
Final open flow, 327 Mos/6 Final open flow, 327							
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Scattle rock pressure, 1900 psig (surface reasurement) after bours still in							
[I] applicable due to multiple completion-]							
Second producing formation None Pay tone depth .							
Gas: Initial open flow, Not/d Gil: Initial open flow, Bai/d Final open flow, Not/d							
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DETAILS OF PERPORATED INTERVALS, FRACTURING OR SDIMULATING, PRYSICAL CHANGE, EDG.

Fraced well with 1230 BBLS of Gelled $\rm H_{2}O$ and 15,000# of 80/100 Sand, and 55,000# of 20/40 Sand

Breakdown Pressure 2,000 PSI Maximum Pressure 5,150 PSI Average Pressure 5,000 PSI Maximum Rate 31 BPM Avg. Rate .º 29/BPM

DOL LIEW

70 2242	Color	Hard or	Coo Feet	Eetted Page	Remarks Including indication of all fresh and sale water, coal, oil and gas
Red Rock			0	559	
Shale & Sand	-		559	746	
Red Rock & Shale		Transition of the state of the	746	1236	
Sand & Shale		Spanish Company	1236	1765	we we will be a second of the
Maxon Sand		metanacija	1765	1918	
Little Lime			1918	1931	
Shale	4		1931	1995	
Big Lime	- September		1995	2050	
Injun			2050	2090	
Keener	1000		2090	2160	
Sand & Shale	CO.		2160	2260	-
Sand & Shale	quantities		2260	5300	
Marcillus Shale			5300	5410	
Onondaga Lime			5410	5590	
Oriskany Sand	KC CONTROL OF THE CON		5590	5670	
Helderburg Lime			5670	5758	
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(Attoch separate sheets to complete as necessary)

RAY RESOURCES DIV. Geologist

Requission 2.32(i) provides se follows: TOTE:

Take term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."



DEPARTMENT OF MINES



Oil and Gas Division

OIL & GAS DIVISION DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

Surface Corner. Mary Erancia Clevenger Address. Address. Address. Address. Charleston, WV 25301 Mineral Owner. Same. Farm Mary Clevenger Acres 104 Lossido (wsters) Horse Run Lossido (wsters) Horse Run Vell No. 864 Bistrict. Tucker County Wir Quadrangle. Elizabeth Address. Address. District. Tucker County Wir Quadrangle. Elizabeth Address. Address. Address. Address. Address. District. Tucker County Wir Quadrangle. Elizabeth Address. Address. Address. Address. Address. Address. Address. District. Tucker County Wir Quadrangle. Elizabeth Address. ADRESS. Smithville, WV 26178 PRONE 477-2455 Brook 477-2455 Brook 477-2455 CRENTERION. The undestigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having title thereto, (or as the case may be) under grant or lease dated. Feb. 10th. 1978 by Mary Clevenger. Mary County, Book 153 Page 144 XX NEW WELL OIL AND GAS WELL ORIGINALLY DRILLED EFFORE JUNE 5, 1989. The endosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operation make been notified as of the above date. The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required or make by Section 3 of the Gode, must be received by, or filed with the Department of Mines within ten (10) days. ** Copies of this motion and the malling or delivery of this copy to the Department of Mines ackarieston, West Virginia. Very truly yours, RAY Resources of the well operator a permit ret the file of such plat, that	TO THE DEPARTMENT OF MINES.	
Surface Owner Mary Francis Clavenger Address Mineral Owner Same Mineral Owner Same Address Location (waters), HOTSE RUN Coal Owner Nome Address This PERMIT AUST SE POSTED AT THE WELL SITE All producions being in accordance with Chapter 22, of the W. W. Code, the location is hereby opporced for drilling. This permit shall expire if Operation have not commenced by 1-9-81 Desired Director Off Russ Division GENTLEMEN The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having title therato, (or as the case may be) under grant or lease dated Feb. 10th, 19.78 by Mary. Clevenger made to Ray Resources 19 in Wirr County, Book 153 Page 144 XX NEW WELL DEFER REDRILL FRACTURE OR STIMULAY. OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969. The enclosed plat was prepared by a registered engineer or liceased land surveyor and all coal owners and/or operata have been notified as of the above date. The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. * Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operator or coal owners at their above shown respective address of the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. Very truly yours, RAY RESOURCES DIV. OF BV PLEASE SUBMIT COPIES OF ALL GEOMPH'S INGAINAL GEOLOGICAL AND COMMAN WEST VIRGINIA 26505 Well Operator West Virginia 25301 State **SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receip notice and plut by the department of mines, to said proposed location, the department and that the same is app and th	,	DATE April 28, 1980
Mineral Owner. Same	Surface Owner Mary Francis Clevenger	
Address	-	
Coal Operator. None Address District. Tucker. County. Wir. Coal Operator. None Address. District. Tucker. County. Wir. County. Wir. Coal Operator. None Address. District. Tucker. County. Wir. Coal Operator. None Address. This Premit shole superator are hereby approved for drilling. This permit sholl expire if operations being in accordance with Chapter 22, or it will be coal operator. The premit sholl expire if operations have not commenced by 1-9-81 Deputy Director - Old Cost Division GENTLEMEN: The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having title thereto, (or as the case may be) under grant or lease dated Feb. 10th, 19-78 by Mary. Clevenger. made to Ray Resources and recorded on the day of 18- in Wirr. County, Book. 153. Page 144 XX NEW WELL DRILL DEFFER REDRILL FRACTURE OR STIMULATION. OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operator have been notified as of the above date. The above anamed coal owners and/or operator are hereby notified that any objection they wish to make, or are required make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. The above anamed coal owners are dead works and the above shown respective address day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. Very truly yours, RAY RESOURCES DIV. OF BY Street Of Department of Mines at Charleston, West Virginia. Very truly yours, RAY RESOURCES DIV. OF BY Street Of Department of Mines at Charleston, West Virginia. Very truly yours, RAY RESOURCES DIV. OF BY Street Of Department of Mines at Charleston, West Virginia. Very truly yours, RAY RESOURCES DIV. OF BY Street Of Department of Mines at Charleston, Street Of Department of Mines at Charleston. Street Charleston. Street Charleston. Street Charleston. Street Charleston. Stre	Mineral Owner Same	Farm Mary Clevenger Acres 104
Coal Operator. None Address District. Tucker. County. Wir. Coal Operator. None Address. District. Tucker. County. Wir. County. Wir. Coal Operator. None Address. District. Tucker. County. Wir. Coal Operator. None Address. This Premit shole superator are hereby approved for drilling. This permit sholl expire if operations being in accordance with Chapter 22, or it will be coal operator. The premit sholl expire if operations have not commenced by 1-9-81 Deputy Director - Old Cost Division GENTLEMEN: The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having title thereto, (or as the case may be) under grant or lease dated Feb. 10th, 19-78 by Mary. Clevenger. made to Ray Resources and recorded on the day of 18- in Wirr. County, Book. 153. Page 144 XX NEW WELL DRILL DEFFER REDRILL FRACTURE OR STIMULATION. OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operator have been notified as of the above date. The above anamed coal owners and/or operator are hereby notified that any objection they wish to make, or are required make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. The above anamed coal owners are dead works and the above shown respective address day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. Very truly yours, RAY RESOURCES DIV. OF BY Street Of Department of Mines at Charleston, West Virginia. Very truly yours, RAY RESOURCES DIV. OF BY Street Of Department of Mines at Charleston, West Virginia. Very truly yours, RAY RESOURCES DIV. OF BY Street Of Department of Mines at Charleston, West Virginia. Very truly yours, RAY RESOURCES DIV. OF BY Street Of Department of Mines at Charleston, Street Of Department of Mines at Charleston. Street Charleston. Street Charleston. Street Charleston. Street Charleston. Stre	Address	Location (waters) Horse Run
Address None Quadrangle Elizabeth Address Quadrangle Elizabeth A		
Coal Operator None Address THIS PERMIT MUST BE POSTED AT THE WELL SITE All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shell expire if operations, have not commenced by 1-9-81. Deputy Director Old Toda Toda Division The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having title thereto, (or as the case may be) under grant or lease dated Feb. 10th, 1978 by Mary Clevenger made to Ray Resources and recorded on the day of 19. in Wirt County, Book 153 Page 144 XX NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULA. OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operator make been contified as of the above date. The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required on which by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days ame day with the mailing or delivered to the above named coal operator coal owners at their above shown respective address ame day with the mailing or delivery of this copy to the Department of Mines as Charleston, West Virginia. Very truly yours, RAY RESOURCES DIV. OF BY STORM COMMICS SURVEY P. O. BOX 879 Well Operator WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY P. O. BOX 879 Well Operator WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY Store **SECTION 3 If no objections are filed or found by the Department of mines, within suid period of ten days from the received mails of the well operator a permit rether filing of two plat, that no objections have been made by the coal operator found thereto by the department and that the same is appeand the well operator authorized to proceed.		
Address THIS PERMIT MUST BE POSTED AT THE WELL SITE All cravinors being in decordance with Chopler 22, of the W. Vc. Code, the location is hereby approved for drilling. This permit sholl expire if TO BE NOTIFIED K. Paul Goodnight Operations have not commenced by 1-9-81 Deputy Director - Od & Gas Division The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having little thereto, (or as the case may be) under grant or lesse dated Feb. 10th, 19 78 by Mary Clevenger made to Ray Resources and recorded on the day of 19 in Wirt County, Book 153 Page 144 XX New Well Drill DEFER REDRILL FRACTURE OR STIMULAT OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1989. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operator are hereby notified that any objection they wish to make, or are requited make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.* Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above anneed coal operator coal owners at their above shown respective address arms day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. Very truly yours, PLEASE SUBNIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY MORGANTOWN, WEST VIRGINIA 26505 AC-304 - 292-6331 Address of Charleston, West Virginia 25301 State *SECTION 3 If no objections are fleed or found by the Department of mines, within said period of ten days from the receip notice and plat by the department of mass, to said proposed location, the department shall forthwith issue to the well operator a permit receipend to the proceed. *SECTION 3 If no objections have been made by the coal operators or found thereto by the department and that the same is apput and the well operator a subnortized to proceed.	Coal Operator None	
All provisions being in accordance with Chopter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if the permit re the indices and plat by the department of mines, to said proposal location, the department shall forthwith issue to the well operator authorized to proceed. 47-105-0 87 PERMIT NUME PLEASE SUBMIT COPIES of Expire in a permit re the filling of such plat, that no objections have been made by the coal operators of found thereto by the department and that the same is appar		
of the W. va. Code, the location is hereby approved for drilling. This permit sholl expire if to BE NOTIFIED K. Paul Goodnight operulons have not commenced by 1-9-81 Deputy Director - Oil & Cas Division GENTLEMEN: The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having title thereto, (or as the case may be) under grant or lease dated Feb. 10th, 19.78 by Mary Clevenger made to Ray Resources and recorded on the day of 19 in Wirt County, Book 153 Page 144 XX New Well DRILL DEPER REDRILL FRACTURE OR STIMULAY OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operate to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.* Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal owners at their above shown respective address same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. Very truly yours, RAY RESOURCES DIV. OF BW PLEASE SUBMIT COPIES OF ALL (Sign Name) WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY Address of Well Operator *SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receip notice and plat by the department of mines, to said proposed location, the department and that the same is appund the well operator authorized to proceed. **SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receip notice and plat by the department of mines, to said proposed location, the department and that the same is appund the well operator authorized to proceed.	THIS PERMIT MUST BE POSTED AT THE WELL SITE	
Deputy Director - Oil & Gas Division PHONE 477-2455 GENTLEMEN: The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having title thereto, (or as the case may be) under grant or lease dated Feb. 10th, 19.78 by Mary Clevenger made to Ray Resources and recorded on the day of 19 in Wirt County, Book 153 Page 144 XX NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULAY OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operator are hereby notified that any objection they wish to make, or are required make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. * Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operator coal owners at their above shown respective address same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. Very truly yours, PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY Address of Well Operator WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY Address of Well Operator WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY ACCOUNTY TO TOWN WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY ACCOUNTY TOWN WEST VIRGINI	All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved	INSPECTOR
Deputy Director - Oil & Cos Division PHONE 477-2455 GENTLEMEN: The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having title thereto, (or as the case may be) under grant or lease dated Feb. 10th, 19 78 by Mary Clevenger made to Ray Resources and recorded on the day of	for <u>drilling</u> . This permit shall expire if	TO BE NOTIFIED K. Paul Goodnight
ENTLEMEN: The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having title thereto, (or as the case may be) under grant or lease dated Feb. 10th, 19.78 by Mary Clevenger made to Ray Resources and recorded on the day of 19 in Wirt County, Book 153 Page 144 XX NEW WELL DRILL DEFPER REDRILL FRACTURE OR STIMULATED AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operator are hereby notified that any objection they wish to make, or are requited make by Section 3 of the code, must be received by, or filed with the Department of Mines within ten (10) days. ** Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operator coal owners at their above shown respective address as me day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. Very truly yours, RAY RESOURCES DIV. OF BY FLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO: WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY Address of Well Operator WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY Address of Well Operator *Section 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receip notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit receip notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit receip notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit receip notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit receip notice and plat by the department of mines, to said proposed location, the de	operations have not commenced by 1-9-81	ADDRESS Smithville, WV 26178
GENTLEMEN: The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having title thereto, (or as the case may be) under grant or lease dated Feb. 10th, 19 78 by Mary Clevenger made to Ray Resources and recorded on the day of 19 in Wirt County, Book 153 Page 144 XX NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULAY. OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operator have been notified as of the above date. The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are requited to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. * Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operator coal owners at their above shown respective address day before, or on same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. Very truly yours, RAY RESOURCES DIV. OF BY Very truly yours, RAY RESOURCES DIV. OF BY Very truly yours, RAY RESOURCES DIV. OF BY Well Operator Address Street F. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505 AC-304 - 292-6331 **SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receip notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit receipe 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 appuand the well operator authorized to proceed.	Deputy Director - Oil & Gas Division	PHONE 477-2455
The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having title thereto, (or as the case may be) under grant or lease dated Feb. 10th, 1978 by Mary Clevenger made to Ray Resources and recorded on the day of 19 in Wirt County, Book 153 Page 144 XX NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULAY OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operator have been notified as of the above date. The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. * Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operator or coal owners at their above shown respective address day before, or on same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. Very truly yours, RAY RESOURCES DIV. OF BY PLEASE SUBMIT COPIES OF ALL (Sign Name) WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY Address of Charleston, West Virginia 25301 WEST VIRGINIA CEOLOGICAL AND ECONOMIC SURVEY Address Street *Section 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receip notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit receive 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 appained the well operator authorized to proceed.		
title thereto, (or as the case may be) under grant or lease dated Feb. 10th, 19.78 by Mary Clevenger made to Ray Resources and recorded on the day of 19. in Wirt County, Book 15.3 Page 144 XX NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULAY OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operathave been notified as of the above date. The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are requited to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. ** Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operator or coal owners at their above shown respective address and any with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. Very truly yours, RAY RESOURCES DIV. OF BY PLEASE SUBMIT COPIES OF ALL (Sign Name) WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY P. O. BOX 879 MORGANTOWN, WEST VIRGINIA 26505 AC-304 - 292-6331 *Section 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receip notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit receipen notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator and the well operator authorized to proceed. **SECTION 3 If no objections have been made by the coal operators or found thereto by the department and that the same is apparent to the well operator authorized to proceed.		on the shows named form or treat of land for all and any harder for
Clevenger made to Ray Resources and recorded on the day of 19 in Wirt County, Book 153 Page 144 XX NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULAY OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operate have been notified as of the above date. The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are requited to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. * Copies of this notice and the enclosed plat were mailed by registered mail, or determed to the above named coal operator or coal owners at their above shown respective address and away before, or on a same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. Very truly yours, RAY RESOURCES DIV. OF BW PLEASE SUBMIT COPIES OF ALL (Sign Name) WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY Address of Well Operator WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY Address Street OR ORGANTOWN, WEST VIRGINIA 26505 Well Operator WEST VIRGINIA 25301 State *SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receip notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit receip notice and plat that no objections have been made by the coal operators or found thereto by the department and that the same is appead the well operator authorized to proceed. BLANKET BOND 47-105-0 ⁸⁶⁷ PERMIT NUME	· · · · · · · · · · · · · · · · · · ·	
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		47-105-0 ⁸⁶⁷ Permit number
Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."	"I have read and understand the reclamation requirements as	s set forth in

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

PROPOSED WORK ORDER	TO XXX DRILL	DEEPEN	PP ACTION STIMIL ATT		
DRILLING CONTRACTOR:		RESPONSIBLE AGENT			
	Drilling, Inc.		NAME Smokey Stover		
	, WV 25301				
TELEPHONE 344-8393			3480		
ESTIMATED DEPTH OF COM	MPLETED WELL: 5725'		CABLE TOOLS		
PROPOSED GEOLOGICAL FO		20 V & 272 V A	CABLE 100L5		
		COMB STODAG	E DISPOSAL		
			OODOTHER		
	10210101	MAIER FL	OODOTHER		
TENTATIVE CASING PROGR	LAM:				
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.		
20 - 16					
13 - 10 13 3/8	30'	30'	To Surface		
9 - 5/8 8 - 5/8	0005				
7	2365	2365	150 Sacks		
5 ½		Live sky the 'A St			
4 1/2	5725	5725	250 Sacks		
3					
2			Perf. Bottom		
Liners			Perf. Top		
			Perf. Bottom		
TO DRILL DEEPER OR REDI SUBMIT FIVE (5) COPIE WELLS DRILLED PRIOR MUST ALSO BE SUBMIT TO FRACTURE - STIMULATE OIL AND/OR GAS WELL BOND, PERMANENT PL OIL AND/OR GAS WELL ING ORIGINAL PERMIT	RILL: CS OF OG - 1, SHOWING ORIGINATED. CS: CORIGINALLY DRILLED BEFORMAN AND ORIGINAL WELL RESERVED ON A NUMBER, AND PERFORMANCE ORIGINAL WILLED ORIGI	INAL PERMIT NUMBER AIDOPY OF THE PLAT AND ORE JUNE 5, 1929, FIVE (5) CORD. ND/OR AFTER JUNE 5, 1925 E BOND.	NO PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD COPIES OG - 1, PERFORMANCE 29, FIVE COPIES OG - 1, SHOW- Inspector to be notified twenty-		
		. :			
The following waiver musthereof.	st be completed by the coal op	erator if the permit is to be	issued within ten days of receipt		
this lease have exan	nined and place on our mine n	naps this proposed well locate			
We theproviding operator has Code.	Coal Company complied with all rules and reg	have no objections to said would also have no objections to said would be not said w	vell being drilled at this location, 7, Chapter 22 of the West Virginia		
		F	or Coal Company		

Official Title