

Coal was encountered at Eresh water 39

Producing Sand Huntersville Chert



#### STATE OF WEST VIRGINIA

#### **DEPARTMENT OF MINES**

### Oil and Gas Division

#### WELL RECORD

Rotary\_X

Inches 1128

7750

Salt Water

Quadrangle Masontown			Recycling	Comb.
Permit No. PRES-170			Water Flood Disposal	Storage(Kind)
Company RAY RESOURCES CORPORATION Address Charleston, W. Va. 25301 Farm Cascade Corp. Acres 704	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Location (waters) Deekers Creek  Well No. 474 Elev. 1716'  District Valley County Preston	Size 20-16 Cond.	60'	60'	To Surfac
The surface of tract is owned in fee by	13-10" 9 5/8 8 5/8	1172'	1172'	To Surfac
Mineral rights are owned by Preston County Coa & Coke Address Masontown, W. Va.	5 1/2	70701	70501	
Drilling Commenced 5/28/74  Drilling Completed 6/29/74  Initial open flow 0 cu. ft. bbls.	4 1/2	7850' 7697'	7850'	
Final production 3651M cu. ft per daybbls.  Well open72hrs. before test 3540 RP.	Liners Used	7037	7077	
Well treatment details:  Fractured with 1,360 bbls. gelled	Attach copy of water with	_		
45,000# 20-40 Sand.				

\_Feet.

Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water * Remarks	 ÷
Sand	0	205	Water at 39 & 175	_
Red Rock & Sand	205	1141		
Black Shale	1141	1177		
Sand & Gray Shale	1177	2033		
Sand & Red Rock	2033	4420		
Gray Shale	4420	6000		
Sand & Shale	6000	7124	<u>.</u>	مبيد
Tully Lime	7124	7207	*	
Black Shale	7207	7532		
Onondaga Lime	7532	7549	*	
Huntersville Chert	7549	7716	<b>*</b>	
Oriskany	7716	7783	*	
Helderberg	7783		*	
Total Depth	7850			
	<b>*</b> ×			
·				

<sup>(</sup>over)





DEPT. OF MINES

# Oil and Gas Division OIL AND GAS WELL PERMIT APPLICATION

	PARTMENT OF MIN	ES,		u.a	4071	
Char	leston, W. Va.		DATE	MAY 28.	1974 CHRCES CO	EPORATION
Surface Owner_	The Cascade	Corp.	Comp	any 630 Com	merce Squ	
Address	Morgantown,	W. Va.	Addre	ss Charles	ton, W. V	a. 25301
Mineral Owner_	The Cascade	Corp.	Farm_	Cascade Co	rp.	Acres 88, 94
Address	Morgantown,	W. Va.	Locati	on (waters)	ckers Cre	
Coal Owner	The Cascade	Corp.	Well 1	A74/C'C	97501) 821	Elevation / 7/6
Address	Morgantown,	W. Va.	Distric	Wal taw		County Preston
Coal Operator_	None			angle <b>Masont</b> o	TWEE .	County
Address			<b>q</b> uuui	····g.·		<del></del>
THIS PERMIT	r must be poste	D AT THE WELL	L SITE	COLUMN TO	BE NOTIFIED	Blosser
All provision	ns being in accorda	ance with Chapte	er 22.	- Garage	Y PH:	212 in
•	a. Code, the location			u	Va.	363-910
for Chr	Oline This	nermit shall evr	oire if	•		
operations h	ave not commence	ed by $9-29$	-17			
Dobert	2 tous		,			
Deputy Dire	ctor - Oil & Gas	Division .				
GENTLEMEN:						
-	ned well operator is	entitled to drill w	non the shove n	amad form or trac	at of land for a	landers besieve for
title_thereto (or	as the case may	e) under ment er	poir the above in	9-75	to land for or $\frac{7}{10}$	and gas, naving fee
	made to					
19, in #	1	ounty, Book	F/6 Page	169	ne	_ day of
<b>1</b>						
* * * * * * * * * * * * * * * * * * * *						OR STIMULATE
OI	L AND GAS WELL	ORIGINALLY DI	RILLED BEFOR	E JUNE 5, 1969	•	
The enclosed have been notifi	plat was prepared bed as of the above d	oy a registered eng ate.	gineer or licensed	l land surveyor a	nd all coal own	ers and/or operators
The above notes to make by Sec	amed coal owners and tion 3 of the Code, 1	d/or operator are l must be received b	hereby notified they, or filed with	hat any objection the Department o	they wish to m	ake, or are required ten (10) days. *
or coal owners	s notice and the encl at their above shown the mailing or deliver	n respective addres	šs	day		before, or on the
		y or unis copy to	_	- RAY	•	CORPORATION
PLEASE SUBMIT C GEOPHYSICAL LOG	OPIES OF ALL		Very trul	yours	TTTT	
			(Sign Nan		4x 4xng	slale
West Virginia Ge 1. O. Box 879	orogical and Eco	nomic Survey			lell Operator	quare
Morgantown, W. W	Ja. 26505		Address			
AC 304-296-4461			of	Charl	Street	
		We	ell Operator		or Town	
				•	Virginia	25301

\*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.

Uniod Langer

Pres - 170 PERMIT NUMBER 47-077

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

PROPOSED WORK ORDER TO DRILLING CONTRACTOR: (I		TESPONSIBLE AGENT:				
NAME 530 Commerce Square ADDRESS Charleston, W. Va. 25301		NAME DSC COMMETCE SQUARE				
ADDRESS CRAFTESTON,	W. VA. 25301	ADDRESS	DDRESS Charleston, W. Va. 25301			
TELEPHONE 344-8393	7 750 %	TELEPHONE				
ESTIMATED DEPTH OF COMP	PLETED WELL:	ROTARY	CABLE TOOLS			
PROPOSED GEOLOGICAL FOR						
TYPE OF WELL: OIL						
,	RECYCL	ING WATER FLOO	ODOTHER			
TENTATIVE CASING PROGRA	<b>лм:</b>					
CASING AND TUBING	USED FOR	LEFT IN	CEMENT FILL UP			
SIZE	DRILLING	WELL	OR SACKS - CUBIC FT.			
20 - 16 13 - 10	60 Pt.	60 Ft.	To Surface			
9 - 5/8	1,000 Ft.	1,000 Ft.	400 Sks. to Surface			
8 - 5/8						
7						
5 ½						
4 ½	7,750 Ft.	7,750 Ft.	200 Sks.			
3			Perf. Top			
2			Perf. Bottom			
Liners			Perf. Top			
			Perf. Bottom			
OF PLAT.  TO DRILL DEEPER OR REDR SUBMIT FIVE (5) COPIES WELLS DRILLED PRIOR MUST ALSO BE SUBMIT  TO FRACTURE - STIMULATE: OIL AND/OR GAS WELL BOND, PERMANENT PLA OIL AND/OR GAS WELL ING ORIGINAL PERMIT N	SOF OG - 1, \$100.00 PERMILL: SOF OG - 1, SHOWING ORIGINALLY DRILLED BEFAT AND ORIGINAL WELL RICHARD ORIGINALLY DRILLED ON NUMBER, AND PERFORMANCE (90) days of the content	BY WHOM?BY WHOM?				
thereof.  WAIVER: I the undersigned, A this lease have exam  We the	gent for Coal Compan	Coal Company, Owner maps this proposed well location when the company well are to said well as the company of the compan	or Operator of the coal under con.  ell being drilled at this location, 7, Chapter 22 of the West Virginia			
		Fo	or Coal Company			
			Official Title			