



#### STATE OF WEST VIRGINIA DEPARTMENT OF MINES

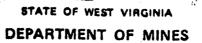
# Oil and Gas Division

### WELL RECORD

Quadrangle Valley Mills 7.5

Rotary_x	Oil
Cable	Gas
Recycling	Comb. x
Water Flood	Storage
Disposal	• .
Disposa	(Kind)

Quadrangle Valley Mills 7.5				Disposal	Storage
Permit No. <u>47-107-</u> 1199				<del></del>	/Killer
Company Santa Fo Drilling Corporation  Address P.O. Box 1468 Parkersburg, W.  Rolston Acres	<del>Va.</del>	asing and Tubing	Used in Drilling	Left · in Well	Cement fill up Cu. ft. (Sks.)
Farm Rolston Acres Location (waters) Worthing Creek	Size				
Well No. One (1) Elev.	Con	1			
Well No. One (1) County Wood  District County Wood	13-	10"			,
The surface of tract is owned in fee by Westvaco	9.5		503	507	To surface
	8 5	/8	507		10 0022
Address  Mineral rights are owned by Cranville	$\frac{7}{6}$	1/2			1
Poliston Address Uggen, West VIII	inia $\frac{5}{4}$	1/2		4053	504 sk <b>s</b>
2-20-1982		1/2	· · · · · · · · · · · · · · · · · · ·		Cement
	2 10				4
Town I UNI III WEST	hbls Li	ners Used			_
Final production 2.000, 200. ft. per day 50					
Well open 4 hrs. before test 90	A.	ttach copy of ce	menting r	ecord.	<i>(/ · .</i>
Well treatment details:  Nitrogen Frac deue h	Dowells	Rate	was	36,000 5	ct/min.
Total down hole fluid	was 646	von set.			
America OFFICE	p 1045	200.			
Average treating pressure	was 16	00.			
Merage 1. J		1 1 1 1			
Coal was encountered at N/A	on attac	hed sheet		ches	r II
Coal was encountered at N/A	Feet_	Salt V	Valer C	Op Dew Una	Feet
Coal was encountered at N/A  Fresh water 200 Feet	Shale: Brown	Shale Depth	2522-	2550;3170-	-3230; 3534-35
Fresh water 200 Feet Producing Sand Gordon: Warren: Brown	Share, Brown		39	50-4000	Huron
Formation Color Hard or Soft	Top Feet	Bottom Feet	<b>.</b>	as or Water	* Remarks
	0	1385			•
Sand + Shale.	1386	1424 1442			
Shale	142 <b>4</b> 144 <b>2</b>	1474			•
Big Lime	1474	1680	1		
Shale	1680	1800			4
Big Eng <b>ine</b> Sha <b>le</b>	1800	2180			
Berea	2180	2194 · 2522			
Shale	21 <b>94</b> 25 <b>22</b>	2550	Oi	.1	
Gordon	2550	3170	ر ا	:1	
Shal <b>e</b> Warren	3170	3230 3534	Oi	LI	
Sha <b>le</b>	32 <b>30</b> 35 <b>34</b>	3590	G	as & Oil	
Brown Shale Shale	3590	3950 4000	G	a <b>s</b>	
Brown Shale	3950 4000	4053	ı		•
Shale	4053		1	otal Depth	
	Huron		,	MAY 2	9 1984
4053 2194	.	,		' MAY ~	1984
2194	1	1		LIHI &	-



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" JAN6 - 1982

## OIL AND GAS DIVISION WYDEPARTMENT OF MINES

### Oil and Gas Division

### OIL AND GAS WELL PERMIT APPLICATION

Charleston, W. Va.	DATE	DATE January 5, 1982		
Surface Owner Westvaco	Company	Company Santa Fe Drilling Corporation		
Address Parkersburg, WV 26101	Address	P.O. Box 1468.	Parkersburg, W 261	
Mineral Owner Granville Rolston	Farm	Rolston	Acres 630	
Address Parkersburg, W 26101	Location	(waters) Worthin	ngton Creek	
Coal Owner N/A				
Address				
Coal Operator N/A				
Address				
ERMIT MUST BE POSTED AT THE WELL SITE				
			<b>C</b>	
visions being in accordance with Chapter 22,				
W. Va. Code, the location is hereby approved	INSPECTOR		teg 🔥	
drilling. This permit shall expire if	TO BE NOTI	FIED Deo Mad	<u>'e</u>	
ons have not commenced by 9-7-82	ADDRESS R	t. 1 Box 65. Sa	and Ridge, WV 25274	
JAMensey.	-			
outy Director - Que Sas Division	PHONE65	5-8693		
GENTLEMEN:				
The undersigned well operator is entitled to drill	1 A1 1			
Rolston made to Santa Fe Dril  19 81in Wood County, Book 7  X NEW WELL DRILL DEE  OIL AND GAS WELL ORIGINALLY	PageRED PERRED PRILLED BEFORE J	514  ORILLF  UNE 5, 1969.	RACTURE OR STIMULAT	
NEW WELL DRILL DEE  OIL AND GAS WELL ORIGINALLY  The enclosed plat was prepared by a registered have been notified as of the above date.	PERRED  PRILLED BEFORE J  engineer or licensed la	DRILLF. UNE 5, 1969.  nd surveyor and all	RACTURE OR STIMULATE	
19_8lin Wood County, Book 7  X NEW WELL DRILL DEE  OIL AND GAS WELL ORIGINALLY  The enclosed plat was prepared by a registered	Page	DRILL F. UNE 5, 1969.  Ind surveyor and all any objection they	RACTURE OR STIMULATI  coal owners and/or operato  wish to make, or are require	
NEW WELL DRILL DEE OIL AND GAS WELL ORIGINALLY  The enclosed plat was prepared by a registered have been notified as of the above date.  The above named coal owners and/or operator as	PERRED DRILLED BEFORE J engineer or licensed la re hereby notified that d by, or filed with the mailed by registered m dress to the Department of 1	DRILL F UNE 5, 1969.  Ind surveyor and all any objection they Department of Mine ail, or delivered to the day Mines at Charleston,	coal owners and/or operator wish to make, or are require ses within ten (10) days. * he above named coal operator before, or on th West Virginia.	
X NEW WELL DRILL DEE  OIL AND GAS WELL ORIGINALLY  The enclosed plat was prepared by a registered have been notified as of the above date.  The above named coal owners and/or operator as to make by Section 3 of the Code, must be received.  Copies of this notice and the enclosed plat were or coal owners at their above shown respective add same day with the mailing or delivery of this copy is	PERRED DRILLED BEFORE J engineer or licensed la re hereby notified that d by, or filed with the mailed by registered m dress to the Department of 1	DRILL F UNE 5, 1969.  Ind surveyor and all any objection they Department of Mine ail, or delivered to the day Mines at Charleston, ours, Santa Fe D	coal owners and/or operator wish to make, or are require es within ten (10) days. * the above named coal operator before, or on the West Virginia.	
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Signed by \_

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

PROPOSED WORK ORDER TO	X DRILL	DEEPEN	FRACTURE-STIMULATE		
DRILLING CONTRACTOR: (If		RESPONSIBLE AGENT:			
NAME Gene Stalnaker		NAME Robert Cornell ADDRESS P.O. Box 1468, Parkersburg, W 261			
ADDRESS Glenville, WV					
TELEPHONE 462-7092			422-2121		
ESTIMATED DEPTH OF COMPLI					
PROPOSED GEOLOGICAL FORM		***************************************	_ CABLE TOOLS		
			GE DISPOSAL		
THE OF WELL.					
TENTATIVE CASING PROGRAM			LOOD OTHER		
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENTALIA UP OR SACKS - CUBIC ET.		
20 - 16	A Service of the serv		OR SACKS - CUBIC F1.		
13 - 10			A CONTROL OF THE CONT		
9 - 5/8		508			
8 - 5/8	<b>3</b> 00 Ft.	300-Pt.	90 saks or to surface		
7	·		and described the state of the		
5 1/2			()		
4 1/2	Marie II de la Marie Marie Marie II de la Company de l	4800 ft.	500 saks		
3					
2			Perf. Bottom		
Liners			Perf. Top		
			Perf. Bottom		
OF PLAT.  TO DRILL DEEPER OR REDRILL SUBMIT FIVE (5) COPIES O WELLS DRILLED PRIOR TO MUST ALSO BE SUBMITTED  TO FRACTURE - STIMULATE: OIL AND/OR GAS WELL OR BOND, PERMANENT PLAT OIL AND/OR GAS WELL OR ING ORIGINAL PERMIT NUM	F OG - 1, SHOWING ORIGION 1929, A PERMANENT CONTROL OF THE PROPERTY OF THE PRO	NAL PERMIT NUMBER ADPY OF THE PLAT AND REJUNE 5, 1929, FIVE (5 CORD. ND/OR AFTER JUNE 5, 19 BOND.	AND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD  COPIES OG - 1, PERFORMANCE  929, FIVE COPIES OG - 1, SHOW-  c. Inspector to be notified twenty-		
			<del>allanda allanda de la collección</del> de la collección de la		
The following waiver must be hereof.	completed by the coal ope	rator if the permit is to be	e issued within ten days of receipt		
WAIVER: I the undersigned, Agent	for	Coal Company, Own	er or Operator of the coal under		
	l and place on our mine mi				
We the	Coal Company	have no objections to said	well being drilled at this location,		
			17, Chapter 22 of the West Virginia		
		***************************************	For Coal Company		

Official Title