2170'8



#### STATE OF WEST VIRGINIA DEPARTMENT OF MINES

### MAR 23 1987 DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

MAR 3 0 1987

## Oil and Gas Division

. C=	uiro		WELL R	ECORD		Rotary Cable Recycling	X Oil Gas Z
Quadrangle Ce Permit No. 47		76				Water Floor	Conto
Tellill 140.						Disposal	(Kind)
Address P.	0. Box 1	Orilling Corpor 1468, Parkersbu	rg, W	Cusing and Tubing	Used in Drilling	Lett in Well	Cement fill up Cu. ft. (Sks.)
The second secon		etta Run of Goo					
Well No. Gra	1 nt	Ele County_Rite	v 1061850RF	Cond			
The surface of Elder	tract is ow	ned in tee by Ho	ward G.	13-10"			
Address Cair	0 1/1/			9 5/8 8 5/8	250	250	
	-	by James M.	Andrews	7		1 20	
		307 16th St., F		5 1/2		2 2 2 2 2	
Drilling Comme	nced4	-23-81		4 1/2		2849	230 sks
Drilling Comple Initial open flo	GO MC	-29-81 9 . (	<del>)                                    </del>	3			
Initial open flor	w <u></u>	cu. ft. per day $\overline{C}$	bols.	Liners Used			
Well open 4		lus. before test	200 RP				
Coal was encou	105	N/A Fe		Salt V	Inch Jach		Feet
Producing Sand	Blue M 5th Sand	onday; Big Inj	un; Weir; Go	rden; Depth	1732-1802 2564-2572	: 1928-19 : 2713-27	<u>47: 2327-234</u> 119
Formation	Color	Hard or Soft	Top Feet	Bottom Feet		r Water	
Soil Sand			0 30	30 105			
Shale			105	211			
Sand			211	305			
Shale		. 1 	305	413			٠
Sand			413	536			
Shale		•	536	700			
Sand			700	802			
Shale			802	915		,	
Sand		,	915	985			
Shale	•		985	1072			•
Sand			1072				
Shale			, 4	1128		• • • • •	
Sand		#	1128	1202			
\(\lambda\)			1202	1320			

(lover)

\* Indicates Electric Log tops in the remarks section.

ACT CHAIN TO BE THE ACT OF			-	
A Pormation Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water Remarks
William State Stat	Tues parties			
Shale		1320	1438	
Sand		1438	1490	
Shale		1490	1530	
Sand	•	1530	1596	
Shale		1546	1732	
Blue Monday		1732	1802	Cas
Shale	Y	1802	1928	
Big Injun		1928	1947	Cas
Shale		1947	2327	
Weir	•	2327	2343	Gas & Oil
Shale		2343	2564	Walls to the second sec
Corden		2564	2572	Gas
1		2572	2713	
Shale		2713	2719	Cas
5th Sand		1		Botton
Shale		2719	2849	BOLLOIL
		`		TA THE BROWNERS
				DECEIVEN
	•			

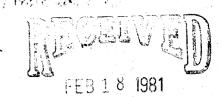
MAR 2 3 1987

DIVISION OF OIL& GAS DEPARTMENT OF ENERGY



**DEPARTMENT OF MINES** 

### Oil and Gas Division



### OIL AND GAS WELL PERMIT APPLICATION & GAS DIVISION

DEPT. OF MINES

Charleston, W. Va.				* · · · · · · · · · · · · · · · · · · ·
Charleston, W. Va.	DATE_	2-17-81		
turface Owner Howard G. Elder	Compan	y Santa Fe D	rilling (	orporation
Address Nutter Farm, WV	Address	P. O. Box	1468 Pa	rkersburg, WV
dineral Owner James N. Andrews	Farm	Andrews		Acres 121
dden Parkersburg, WV	Location	(waters) Marie	tta Run c	of Goose Creek
Coal Owner NA	Well No	1		Elevation 757
Address NA	District	Grant		County Ritchi
Coal Operator NA	Quadran	gle Cairo		
Address NA	·			
ERMIT MUST BE POSTED AT THE WELL SITE				
	E.	eration of the second of the s		· · · · · · · · · · · · · · · · · · ·
with the location is hereby approved				
W. Va. Code, the location is the boy spire if	INSPECTOR			64g)
1rilling . This permit shall expire if	IO RE NOT	IFIED K Pa	ul Goodni	ght
ions have not commenced by 10-20-81	ADDRESS _	Smithville	WV	26178
to Windette	•			1 1
puty Director - Oil & Gas Division	PHONE 4	//-3660		
ENTLEMEN:				
The undersigned well operator is entitled to drill	upon the shows non	and farm on target	of land for	
9.78, in Ritchie County, Book				
NEW WELLDRILL DEEP			FRACTUF	LE OR STIMULAT
OIL AND GAS WELL ORIGINALLY	DRILLED BEFORE	JUNE 5, 1969.	4 11	
The enclosed plat was prepared by a registered e	ngineer or licensed	land surveyor and	all coal ow	ners and/or operate
we been notified as of the above date.		en e		
The above named coal owners and/or operator are make by Section 3 of the Code, must be received	hereby notified the	t any objection the	ney wish to	make, or are requir
initial paraceton of or one code, titues he taceteath	•		112	
			to the above	
Copies of this notice and the enclosed plat were necessary coal owners at their above shown respective additional control of the coal owners at their above shown respective additional control of the coal owners at their above shown respective additional coal owners at their above shown respective additional coal owners are coal owners at their above shown respective additional coal owners are coal owners at their above shown respective additional coal owners are coal owners at their above shown respective additional coal owners are coal owners at their above shown respective additional coal owners at their above shown respective additional coal owners are coal owners at their above shown respective additional coal owners are coal owners at their above shown respective additional coal owners are coal owners at their above shown respective additional coal owners are coal owners at the coal owners are coal owners at the coal owners are coal owners.	nailed by registered :	mail, or delivered	j.	_ before or on t
coal owners at their above shown respective addi	rest	day	on, West Vi	_ before, or an t
coal owners at their above shown respective addi me day with the mailing or delivery of this copy to	rest	Mines at Charlest	on, West Vi	rginia.
coal owners at their above shown respective adds me day with the mailing or delivery of this copy to LEASE SUBMIT COPIES OF ALL	o the Department of Very truly	Mines at Charlest	VIA FE DR	rginia. ILLING CORPOR
coal owners at their above shown respective adds me day with the mailing or delivery of this copy to LEASE SUBMIT COPIES OF ALL	o the Department of	day Mines at Charlest	VIA FE DR	rginia.
coal owners at their above shown respective adding the day with the mailing or delivery of this copy to LEASE SUBMIT COPIES OF ALL EOPHYSICAL LOGS DIRECTLY TO:	o the Department of Very truly	day Mines at Charlest yours, SAI Well	FIA FE DR	rginia. ILLING CORPOR
coal owners at their above shown respective adding the day with the mailing or delivery of this copy to LEASE SUBMIT COPIES OF ALL EOPHYSICAL LOGS DIRECTLY TO:  EST VIRGINIA GEOLOGICAL AND CONOMIC SURVEY	very truly (Sign Name	day Mines at Charlest yours, SAI Well	FIA FE DR	ILLING CORPOR
coal owners at their above shown respective adding the day with the mailing or delivery of this copy to LEASE SUBMIT COPIES OF ALL EOPHYSICAL LOGS DIRECTLY TO:  EST VIRGINIA GEOLOGICAL AND CONOMIC SURVEY  . O, BOX 879	Very truly (Sign Name	day Mines at Charlest yours, SAI Well P. O. Box 1	VIA FE DR Operator 468 Street	rginia. ILLING CORPOR
coal owners at their above shown respective adding the day with the mailing or delivery of this copy to the copy t	very truly (Sign Name	day Mines at Charlest yours, SAI Well P. O. Box 1 Parkersburg	VIA FE DR Operator 468 Street	rginia. ILLING CORPOR
coal owners at their above shown respective adding the day with the mailing or delivery of this copy to the LEASE SUBMIT COPIES OF ALL EOPHYSICAL LOGS DIRECTLY TO:  EST VIRGINIA GEOLOGICAL AND CONOMIC SURVEY  O, BOX 879  ORGANTOWN, WEST VIRGINIA 26505	Very truly (Sign Name	day Mines at Charlest yours, SAI Well P. O. Box 1 Parkersburg City of	VIA FE DR Operator 468 Street	rginia. ILLING CORPOR
coal owners at their above shown respective adding the day with the mailing or delivery of this copy to LEASE SUBMIT COPIES OF ALL EOPHYSICAL LOGS DIRECTLY TO:  EST VIRGINIA GEOLOGICAL AND CONOMIC SURVEY  O, BOX 879  ORGANTOWN, WEST VIRGINIA 26505	Very truly (Sign Name	day Mines at Charlest yours, SA Well P. O. Box 1 Parkersburg City of	VIA FE DR Operator 468 Street	rginia. ILLING CORPOR
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coal owners at their above shown respective adding me day with the mailing or delivery of this copy to LEASE SUBMIT COPIES OF ALL EOPHYSICAL LOGS DIRECTLY TO:  EST VIRGINIA GEOLOGICAL AND CONOMIC SURVEY  O, BOX 879  ORGANTOWN, WEST VIRGINIA 26505  C-304 - 292-6331	very truly (Sign Name  Address of Well Operator	day Mines at Charlest yours, SA Well P. O. Box 1 Parkersburg City of	TOWN  TOWN	rginia. IILLING CORPOR
coal owners at their above shown respective adding the day with the mailing or delivery of this copy to the day with the mailing or delivery of this copy to the c	Address of Well Operator  Aby the Department of	day Mines at Charlest yours, SA Well P. O. Box 1 Parkersburg City of West Virgin f mines, within said int shall forthwith iss	TA FE DR Operator  468 Street  Town  ia 261 State  period of ten ue to the well	Oldays from the receipt
coal owners at their above shown respective adding the day with the mailing or delivery of this copy to the day with the mailing or delivery of this copy to the department of mines, to said proposes of filing of such plat, that no objections have been made by	Address of Well Operator  Aby the Department of	day Mines at Charlest yours, SA Well P. O. Box 1 Parkersburg City of West Virgin f mines, within said int shall forthwith iss	TA FE DR Operator  468 Street  Town  ia 261 State  period of ten ue to the well	Oldays from the receipt
coal owners at their above shown respective adding the day with the mailing or delivery of this copy to the copy t	Address of Well Operator  Aby the Department of	day Mines at Charlest yours, SA Well P. O. Box 1 Parkersburg City of West Virgin f mines, within said int shall forthwith iss	TA FE DR Operator  468 Street  Town  ia 261 State  period of ten ue to the well	Ol

Signed by

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

PROPOSED WORK ORDER TO	D_XDRILL	DEEPEN	FRACTURE-STIMULATE		
DRILLING CONTRACTOR: (I	-	RESPONSIBLE AGENT:			
NAME <u>Gene Stalnake</u>	r	NAMER. Cornell			
ADDRESSGlenville, W		ADDRESS P. O. B	ox 1468, Parkersburg, WV		
TELEPHONE 462-5701		TELEPHONE 422-2121			
ESTIMATED DEPTH OF COMP	LETED WELL: 3500		CABLE TOOLS		
PROPOSED GEOLOGICAL FOR	MATION: Devonian Shale				
TYPE OF WELL: OIL	GAS (	OMBSTORA	GE DISPOSAL		
			LOOD OTHER		
CENTATIVE CASING PROGRA	<b>M:</b> .				
CASING AND TUBING	HELD COD	7			
SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT LITE UP OR SACKS - CUBIC ET.		
0 - 16					
3 - 10					
- 5/8					
- 5/8	250	ì	To Surface (80 sacks)		
			(		
<i>Y</i> <sub>2</sub>		1			
<b>y</b> s		3500	200 sacks		
iners					
			Perf. Top Perf. Bottom		
			TOTAL DOCUMENT		
MUST ALSO BE SUBMITTI O FRACTURE - STIMULATE: OIL AND/OR GAS WELL O BOND, PERMANENT PLAT	OF OG - 1, SHOWING ORIGITO 1929, A PERMANENT COED.  RIGINALLY DRILLED BEFOR AND ORIGINAL WELL REC	OPY OF THE PLAT AND REJUNE 5, 1929, FIVE (5 CORD.	AND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD  5) COPIES OG - 1, PERFORMANCE		
MG WHIGHNAD PERMIT NO	MBER, AND PERFORMANCE	BOND.	929, FIVE COPIES OG - 1, SHOW-		
four (24) hours in advance.	d within ninety (90) days of c	completion for bond releas	e. Inspector to be notified twenty-		
, , , , , , , , , , , , , , , , , , , ,	•	· · · · · · · · · · · · · · · · · · ·			
			The state of the s		
•					
The following waiver must	he completed by the coal one	maton if the manufacture is	e issued within ten days of receipt		
ereof.	or completed by the com ope	rator if the permit is to b	e issued within ten days of receipt		
AIVER: I the undersigned Age	int for	010	ner or Operator of the coal under		
this lease have examin	ed and place on our mine mi	one this proposed will be	er or Operator of the coal under		
we the	Coal Company I	have no objections to said	well being drilled at this location,		
Code.	complied with all rules and regu	lations in Articles 4, 5, and	d 7, Chapter 22 of the West Virginia		
- Court					
		- 農物の 損素			
			l'or Coal Company		
			· · · · · · · · · · · · · · · · · · ·		