



STATE OF WEST VIRGINIA DEPARTMENT OF MINES

PECEIVED NOV 1 4 1977

OIL & GAS DIVISION DELT. OF MINES

Rotary_

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Oil and Gas Division WELL RECORD

	ner de distincte distincte Lineaux E			Cable 4	Gas <u></u>	
Quadrangle					Comb	
Permit No.Dod . 1833				Water Floo	odStorage	Manha
47 can 01.7				Disposal	(Kind)	-
Company Brown & Pethtel		Casing and	Used in	Left	Cement fill up	=
Address Box 21 St. Marys,		Tubing	Drilling	in Well	Cu. ft. (Sks.)	
Farm Hinter	Acres_235,72			111 11011	- Cu. 11. (SKS.)	
Location (waters) Toms Fork	_ 0/2	Size	Principal Additional Control of the	٠.		
Well No. 1 District New Milton County D	Elev. <u>7 / 2</u> od d rid ge	20-16 lo	313	313	loo	. 3
The surface of tract is owned in fee by		Cond. 5 13-10"	3 <u>1</u> 3	363		sks
and surface of tract is owned in fee by		9 5/8	<u> </u>	733-2	2	
Address		8 5/8	- 687		A A A A A	
Mineral rights are owned by		7	1461	700	Para Array	
Address		5 H/2		.2154	60 sks	
Drilling Commenced Sept.18,197		4 1/2				
Drilling Completed June 16,197°		3				
Initial open flow cu. ft	bbls.	<u> </u>	 			
Final production 100,000 ft. per day		Liners Used		_		
Well openhrs. before tes Well treatment details:	t RP.		_	_	*	Annual Control of Cont
	0.7	Attach copy of	cementing red	cord.		
Well Fractured from 2130- Date Fraced 2/9/77 1,300	- <u>2154</u> - 5618 & 5	0 000 lbg	0028			-
		0,000 100 .	banu		Called Son State Control of the Cont	
						-
Coal was encountered at Fresh water Producing Sand	Feet	Salt \	Water			ACEMANA
Floddeng Sand D/ E / 1000		Depti	h	2154		Maria a
Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas o	or Water	* Remarks	
Top soil	i. 0	4		NO PROPERTY OF THE PROPERTY OF	ha datum menghangan mengangan dan dan dan dan dan dan dan dan dan d	este
Creek gravel	4	13				
Gray shale	7.7	87	witer			
Red shale	87		10.00.			
Gray shale		135				
•	135	165				
Red shale	165	205				
Gray shale	205	220				
Red shale	220	245				
Gray shale	245	275			n ali wa Annaye da kaca Maria	
ked shale	275					
Gray shale		293				
-	293	313				
108 Casing 313 ft. 100	e mogen in		Black and the state of the stat			
Gray shale limestone	313	318				
Ked shale	318	360	and the second s		74.	da Major I
Gray shale	360	375				,7864

(over)

425

375

Red shale

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

Formation Color Hard or Soft	Top Feet	Bottom Feet	0.1.0
		A STATE OF THE STA	Oil, Gas or Water * Remarks
Sand stone(water at465)	425	495	
Red shale	495	520	
Gray shale Lime shell	520	600	
Lime stone	600	625	
Gray shale	625	670	
sand stone	670	695	
687ft. 8" casing hook	_	Mariti come Citi	
Red shale	695	750	
Sand stone	750	785	
Red snale	785	860	
Gray shale	860	890	
Sand stone	890	900	
Gray shale	900	925	producer the control of the Author Control o
Black shale	925	930	
Gray snale	930	960	
Red shale	960	990 1005	
Gray shale Black shale	990 1005		
Gray shale	1070	1070	The Law Toronto Control of the Contr
Lime stone		1075	gaga da Araba da Manazarta da Araba da Araba da Araba da Ar
Gray shale	1075	1105	
Sand stone	1135	1195	energy (n. 1915). Et al factorie de la company de la compa
Gray shale	1195	1245	
Sand stone	1245	1287	
Gray shale	1287	1300	
Sandstone	1300	1.335	
Blank slate	1335	1390	
Black slate	1390	1410	
Gray shale	1410	1422	agentinates and the second of
hlack shale	1422	1435	
Sandstone (Maxon) Water	fra en en antigen de la companya de la factoria de	er hr.	
Programme Control of the Control of	1435	1465	
1460 ft 7'' casing	Re-value and the second		
Lime stone (Little)	1465	1520	The second secon
Black shale	1520	1550	第二五十二年 第一十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二
Gray shale	1550	1570	
Sand hard	1570	1670	
Black shale	1670	1680	
Gray shale	1680	1750	
Red shale	1750	1900	
ray shale	1.900	1928	
Red shale	1928	1936	and the control of t
Gray shale	1936	1975	
·			

Date	, 19
. V	
APPROVED	. Owner
By	
	itle)

Formation	top feet	bottom fect
Big lime	-1975	2050
Keener sand	2050	2070
Big Injon sand	2070	2155
Gray shale	2155	2247
Sand (Squaw)	2247	2285
Gray shale	2285	2300
Sand (Weir)	2300	2347
Gray shale	2347	2440
Sand Rerea	- 2440	2455
Gray shale	2455	3215
Brown shale	3215	3234
Gray shale	3234	3317
Sand stone 5 4	3317	3330
Gray shale	3330	3404

3404 2155 1249 expl. ft. DECEMBER NOV 14 1977

DEFT. OF MINISTERS



DEPARTMENT OF MINES



Oil and Gas Division

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OIL AND GAS WELL PERMIT APPLICATION

Charleston, W. Va.	o`
	DATE September 14, 1976 Pethtel Oil and Gas Company c.
Surface Owner Albert Hinter	
Address New Milton, WV.	
Mineral Owner Same as Above	
Address	
Coal Owner	
Address	District New Milton County Doddridg
Cosl Operator	Quadrangle New Milton //2
Address PERMIT MUST BE POSTED AT THE WELL SITE	· ·
ovisions being in accordance with Chapter 22, W. Va. Cade, the location is hereby approved	INSPECTOR
drilling This permit shall expire if	TO BE NOTIFIED Paul W. Garrett
ions have not commerced by 1-14-77	ADDRESS 321 Beech Street, Clarksburg, WV.
puty Director - Oil & Gas Division	PHONE 622-3871
Jentlemen:	
The undersigned well operator is entitled to drill up	pon the above named farm or tract of land for oil and gas, having fee
NEW WELLDRILL DEEPER	RREDRILLFRACTURE OR STIMULATE
ave been notified as of the above date.	ineer or licensed land surveyor and all coal owners and/or operators
ave been notified as of the above date. The above named coal owners and/or operator are he make by Section 3 of the Code, must be received by Copies of this notice and the enclosed plat were main recoal owners at their above shown respective address	neere or licensed land surveyor and all coal owners and/or operators neereby notified that any objection they wish to make, or are required y, or filed with the Department of Mines within ten (10) days. * lied by registered mail, or delivered to the above named coal operators are day
ave been notified as of the above date. The above named coal owners and/or operator are ho make by Section 3 of the Code, must be received by Copies of this notice and the enclosed plat were main	nereby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days. * iled by registered mail, or delivered to the above named coal operators and the Department of Mines at Charleston, West Virginia.
The above named coal owners and/or operator are he make by Section 3 of the Code, must be received by Copies of this notice and the enclosed plat were main recoal owners at their above shown respective addressime day with the mailing or delivery of this copy to the LEASE SUBMIT COPIES OF ALL	neere or licensed land surveyor and all coal owners and/or operators neereby notified that any objection they wish to make, or are required y, or filed with the Department of Mines within ten (10) days. * lied by registered mail, or delivered to the above named coal operators day
The above named coal owners and/or operator are he make by Section 3 of the Code, must be received by Copies of this notice and the enclosed plat were main recoal owners at their above shown respective address are day with the mailing or delivery of this copy to the LEASE SUBMIT COPIES OF ALL EOPHYSICAL LOGS DIRECTLY TO:	dineer or licensed land surveyor and all coal owners and/or operators thereby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days. iled by registered mail, or delivered to the above named coal operators and day before, or on the the Department of Mines at Charleston, West Virginia. Very truly yours, (Sign Name) Department Operator
The above named coal owners and/or operator are he make by Section 3 of the Code, must be received by Copies of this notice and the enclosed plat were main coal owners at their above shown respective address and 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	dineer or licensed land surveyor and all coal owners and/or operators dereby notified that any objection they wish to make, or are required y, or filed with the Department of Mines within ten (10) days. iled by registered mail, or delivered to the above named coal operators day before, or on the the Department of Mines at Charleston, West Virginia.
The above named coal owners and/or operator are he make by Section 3 of the Code, must be received by Copies of this notice and the enclosed plat were main recoal owners at their above shown respective address ame day with the mailing or delivery of this copy to the EOPHYSICAL LOGS DIRECTLY TO: TEST VIRGINIA GEOLOGICAL AND CONOMIC SURVEY O. BOX 879 WEGGANTOWN, WEST VIRGINIA 26505	nereby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days. illed by registered mail, or delivered to the above named coal operators day before, or on the the Department of Mines at Charleston, West Virginia. Very truly yours, (Sign Name) Je Jack Pulled Well Operator Address Street
The above named coal owners and/or operator are he make by Section 3 of the Code, must be received by Copies of this notice and the enclosed plat were main recoal owners at their above shown respective address ame day with the mailing or delivery of this copy to the EOPHYSICAL LOGS DIRECTLY TO: TEST VIRGINIA GEOLOGICAL AND CONOMIC SURVEY O. BOX 879 WEGGANTOWN, WEST VIRGINIA 26505	nereby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days. illed by registered mail, or delivered to the above named coal operators of day before, or on the the Department of Mines at Charleston, West Virginia. Very truly yours, (Sign Name) Je Jack Publish Well Operator Address of citl Operator
The above named coal owners and/or operator are he make by Section 3 of the Code, must be received by Copies of this notice and the enclosed plat were main coal owners at their above shown respective address are day with the mailing or delivery of this copy to the EOPHYSICAL LOGS DIRECTLY TO: EST VIRGINIA GEOLOGICAL AND CONOMIC SURVEY O. BOX 879 ORGANTOWN, WEST VIRGINIA 26505	nereby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days. illed by registered mail, or delivered to the above named coal operators of day before, or on the the Department of Mines at Charleston, West Virginia. Very truly yours, (Sign Name) Je Jack Pulled Well Operator Address of
The above named coal owners and/or operator are he make by Section 3 of the Code, must be received by Copies of this notice and the enclosed plat were mains coal owners at their above shown respective address ame day with the mailing or delivery of this copy to the CEASE SUBMIT COPIES OF ALL SEOPHYSICAL LOGS DIRECTLY TO: TEST VIRGINIA GEOLOGICAL AND CONOMIC SURVEY O. BOX 879 We ORGANTOWN, WEST VIRGINIA 26505 We ORGANTOWN, WEST VIRGINIA 26505 *SECTION 3 If no objections are filed or found be otice and plat by the department of mines, to said proposed to	dereby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days. day
The above named coal owners and/or operator are he make by Section 3 of the Code, must be received by Copies of this notice and the enclosed plat were mains coal owners at their above shown respective address ame day with the mailing or delivery of this copy to the CEASE SUBMIT COPIES OF ALL REOPHYSICAL LOGS DIRECTLY TO: TEST VIRGINIA GEOLOGICAL AND CONOMIC SURVEY O. BOX 879 WEST VIRGINIA 26505 WEST VIRGINIA 26505 WEST VIRGINIA 26505 *SECTION 3 If no objections are filed or found be office and plat by the department of mines, to said proposed to the filing of such plat, that no objections have been made by the	decreby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days. * illed by registered mail, or delivered to the above named coal operators day before, or on the before, or on the Department of Mines at Charleston, West Virginia. Very truly yours, (Sign Name) Street Of City or Town State Oy the Department of mines, within said period of ten days from the receipt of Decation, the department shall forthwith issue to the well operator a permit reciting to coal operators or found thereto by the department and that the same is approved.
The above named coal owners and/or operator are he make by Section 3 of the Code, must be received by Copies of this notice and the enclosed plat were mains coal owners at their above shown respective address ame day with the mailing or delivery of this copy to the CEASE SUBMIT COPIES OF ALL REOPHYSICAL LOGS DIRECTLY TO: TEST VIRGINIA GEOLOGICAL AND CONOMIC SURVEY O. BOX 879 WEST VIRGINIA 26505 WEST VIRGINIA 26505 WEST VIRGINIA 26505 *SECTION 3 If no objections are filed or found be office and plat by the department of mines, to said proposed to the filing of such plat, that no objections have been made by the	thereby notified that any objection they wish to make, or are required by, or filed with the Department of Mines within ten (10) days. iled by registered mail, or delivered to the above named coal operators day

BLANKET BOND

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

PROPOSED WORK ORDER TO X DRILL DRILLING CONTRACTOR: (If Known) NAME Leo Siegler & Son		DEEPEN	RESPONSIBLE AGENT: NAME Zedack Pethtel		
ADDRESS St. Marys, WV			, St. Marys, WV.		
TELEPHONE					
ESTIMATED DEPTH OF COMP	LETED WELL: 3500	ROTARY	CABLE TOOLS X		
PROPOSED GEOLOGICAL FOR		_			
TYPE OF WELL OIL			E DISPOSAL		
	RECYC	LING WATER FL	OOD OTHER		
TENTATIVE CASING PROGRA	M:	•	en e		
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.		
20 - 16					
13 - 10	315	3151	To Surface		
9 - 5/8	3500 '	3500'			
8 - 5/8	JJUU	3300	,		
5 1/2					
4 1/2	entre del « de l'Administrativo de l'accidentation de la decisión de la companya de l'accidentation de la comp		,		
3	et alle delegation de designation de la compare de la collège de contra de la collège		Perf. Top		
2			Perf. Bottoin		
Liners	for		Perf. Top		
			Perf. Bottom		
OF PLAT. TO DRILL DEEPER OR REDRI SUBMIT FIVE (5) COPIES WELLS DRILLED PRIOR MUST ALSO BE SUBMITT TO FRACTURE - STIMULATE: OIL AND/OR GAS WELL (BOND, PERMANENT PLA' OIL AND/OR GAS WELL (ING ORIGINAL PERMIT N' Required forms must be file	LL: OF OG - 1, SHOWING ORI TO 1929, A PERMANENT TED. ORIGINALLY DRILLED BEFT T AND ORIGINAL WELL R ORIGINALLY DRILLED ON UMBER, AND PERFORMANCE	GINAL PERMIT NUMBER A COPY OF THE PLAT AND FORE JUNE 5, 1929, FIVE (5) ECORD. AND/OR AFTER JUNE 5, 19 CE BOND.	BOND AND PERMANENT COPY ND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD COPIES OG - 1, PERFORMANCE 29, FIVE COPIES OG - 1, SHOW- Inspector to be notified twenty-		
four (24) hours in advance.					
		·			
The following waiver must thereof.	be completed by the coal of	operator if the permit is to be	e issued within ten days of receipt		
WAIVER: I the undersigned, Ag	ent for	Coal Company. Own	er or Operator of the coal under		
		maps this proposed well loca			
We theproviding operator has Code.			well being drilled at this location, 17, Chapter 22 of the West Virginia		
			For Coal Company		

Official Title