



## STATE OF WEST VIRGINIA DEPARTMENT OF MINES

# RECEIVED

AUG 3 1 1981

#### Oil and Gas Division

### OIL AND GAS DIVISION

Oli ana G	as Divisioi	J OLY	PARTMENT OF	MINES
WELL	RECORD		Cable	
Quadrangle New Milton (7-1/2')				Comb.
Permit No. 47-017-2843	· .			Storage
			Disposal ack Rig #	11/:11
Company Angerman Associates, Inc.  Address Suite 201, 1000 RIDC Plaza, Pgh., Pa	. 15238ing and Tubing	Used in Drilling	Left · in Well	Cement fill up Cu. ft. (Sks.)
Location (waters) Tom's Fork Run  Well No. 2 Elev. 890'  District New Milton County Doddridge	Size 20-16 Cond.			
The surface of tract is owned in fee by	xxxxx 11-3/4"	36.33	36.33	Sanded in.
Carl M. Hinter	9 5/8			
Address Box 73, New Milton, WV 26411	8 5/8	1185.15	1185.15	307 ft. c.f.
Mineral rights are owned by Carl M. Hinter	7	m		(250 sks)
Address (same as above)	5 1/2	· · · · · · · · · · · · · · · · · · ·		
Drilling Commenced October 16, 1980	4 1/2		5347.35	588 ft. c.f.
Drilling Completed October 24, 1980	3			(456 sks)
Initial opén flow 9,100 cu. ft. none bbls.	$\frac{21-1}{2}$ " tbg.		5192.25	
Final production 200,000 cu. ft. per day show bbls.	Liners Used			
Well open 18 hrs. before test 2000 RP.			1	
Well treatment details:	Attach copy of co	ementing reco	rd. 7-0	OMCF
"Balltown siltstone"-Perfs 3370'-3422'; 200 sx "Bradford siltstone"-Perfs 4475'-4495'; 200 sx	sd; 405 bbls t	reated wat	er; 29.8	b/m; 3050 psi
Riley Benson-Perfs 4826'-4934', 200 sx sd; 430				
Elk - Perfs 5216'-5255'; 250 sx sd; 510 bbls t				ou psi
Aex	reaced water, Z	7.0 D/III, Z	/30 psi	
Fresh water 1/2", 1/2" Feet 155', 2	etSalt W	ater 1/2"		Feet <u>1480'</u>
Producing Sand as above	Depth			

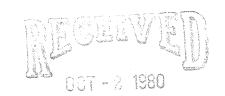
Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks	
Fill & Dirt Quick Sand Shale Sand Sand & Shale Red Rock & Shale Sand Red Rock Sand & Shale White Sand Red Rock Sand Red Rock Sand Red Rock Sand Red Rock & Shale Sand Red Rock & Shale Red Rock & Shale Red Rock & Shale	0 20 30 35 50 105 110 130 150 205 235 240 285 310 320 370 380	20 30 35 50 105 110 130 150 205 235 240 285 310 320 370 380 460	Oil, Gas or Water  1/2" - 3/4" stream  H20 at 155'  1/2" more water  at 285'	drillers	10g
Sand Shale & Red Rock Sand Red Rock & Shale Sand Sand, Shale & Red Rock Sand & Shale	460 535 660 700 1005 1035	535 660 700 1005 1035 1150 1311		88	11

\* Indicates Electric Log tops in the remarks section. 6-6 New Milton South (307)

Formation Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand Salt Sand Sand & Shale Salt Sand Sand & Shale Sand Sand & Red Rock Sand Big Lime Big Injun Sand & Shale Sand Sand & Shale Sand Sand & Shale Sand Sand & Shale Sand Sand & Shale Benson Sand & Shale Alexander Sand Sand & Shale		1311 1405 1505 1690 1730 1885 1905 1970 2000 2065 2115 2243 2375 3260 3340 4955 5190 5260	1405 1505 1690 1730 1885 1905 1970 2000 2065 2115 2243 2375 3260 3340 4950 4950 4955 5190 5260 5402 T.D.	1480'-1485' Wet 1/2" 1499' put soap on hole  gas @ 5187'	drillers log
Benson Sand Elk Sand		4931 5215	4935 5263		gamma ray log gamma ray log

APPROVED Angerman Associates, Inc. - Operator

of.



### Oil and Gas Division

OIL & GAS DIVISION

### OIL AND GAS WELL PERMIT APPLICATION OF MINES

Surface Owner Carl M. Hinter  Address 20x 73, New Milton, M. Va. 26411  Mineral Owner Carl M. Hinter  Address (as above)  Coal Owner Carl M. Hinter  Address (as above)  Coal Owner Carl M. Hinter  Address (as above)  Coal Owner Carl M. Hinter  Wall No. 2 Rivation 890' 6.1  Address (as above)  Coal Operator Unoperated  Address (as above)  This PESMIT AUST 85 POSTED AT THE WELL STE  ADDRESS (Tarksburg, M. Va. 26301  PHONE (304) 622-3871  Operator Owner of the Above of the Abo	TO THE DEPARTMENT OF MINES, Charleston, W. Va. FEE SIMPLE	77.6	mp Santamba	n 20 1090	
Address Suite 201, 1000 RIDC Plaza, Pgh. Pa.  Mineral Owner Carl M. Hinter Address (as above)  Coal Owner Carl M. Hinter Well No. 2 Eterution (waters) Tom's Fork Run  Address (as above)  Coal Owner Carl M. Hinter Well No. 2 Eterution (390' G.L.  Detrict. New Milton County Doddridge  Coal Operator. Unoperated Quadrangle.  Address  ClarkSubray  Address  ClarkSubray  The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee  title thereto, (or as the case may be) under grant or lease dated  Address  ClarkSubray  Address  ClarkSubray  Address  ClarkSubray  Address  Address  ClarkSubray  Address  Addres	MANUAL PROPERTY AND ADMINISTRATION OF THE PROPERTY ADMINISTRATION OF THE PROPERTY AND				
Mineral Owner Carl M. Hinter Address (as above)  Coal Owner Carl M. Hinter Address (as above)  District New Milton Coanty Doddridge Coal Operator. Unoperated Address  This PERMIT MUST BE POSITED At THE WELL SITE  Address  This PERMIT MUST BE POSITED At THE WELL SITE  Address  This PERMIT MUST BE POSITED At THE WELL SITE  Address  This PERMIT MUST BE POSITED At THE WELL SITE  Address  This PERMIT MUST BE POSITED AT THE WELL SITE  Address  The permit shell expire if TO BE NOTIFIED Paul Garrett  321 Beech Street ADDRESS Clarksburg, M. Va. 26301  PHONE (304) 622-3871  Deputy Prector-OH & Gas Division  CENTLEMEN:  The undersigned well operator is entitled to drill upon the above named farm or treet of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lesse dated October 22. 16/5 by Carl M.  Hinter, et. UK. made to Pennzoll Company and recorded on the 4th day of November 18.75, in Doddridge County, Book 100 Page 170  X NEW WELL DRILL BEFFER REDRILL X FRACTURE OR STIMULATE  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 operators 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 remined by, or filed with the Department of Mines within ten (10) days. *  Copies of this notice and the enclosed plat were NANDAR ARXESSORACKANA or delivered to the Boye harder or or or old owners at their above charms respective address 2510  PLEASE SUBMIT COPIES OF ALL CEOPHYSICAL LOGS DIRECTLY TO:  WEST VIRGINIA CEOLOGICAL AND SONOMIC SURVEY  P. O. 30X 879  Well Operator  Well Operator mines, within said period of ten days from the receipt of State  *Section 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of the code, and the code of the code of the code of the code o					
Address (as above)  Coal Owner Carl M. Hinter  Address (as above)  Coal Owner Carl M. Hinter  Address (as above)  Coal Operator Unoperated  Coal Operator Unoperated  Coal Operator Unoperated  Address  THIS PERMIT MUST BE POSIED AT THE WELL SITE  All provisions being in accordance with Chapter 22, of the W. V. C. Code the lacetion is hereby approved for death of the parmit shall expire if  Operations have not compensed by 6-2-81   Operator Director Oil & Gas Division  GENTLEMEN:  The undersigned wall operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lesse dated October 22, 16/5, by Carl M. Hinter, et. UX. made to Pennzoll Company and recorded on the 4th day of November 19.75 in Doddridge County, Book 100 Page 170  X NEW WELL DRILL DEFFER REDRILL X FRACTURE OR STIMULATE OIL DEFFER REDRILL X FRACTURE OR STIMULATE OIL DEFFER REDRILL X FRACTURE OR STIMULATE OIL DRILL DEFFER Shave 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 MARKEY KNASKEKY OF delivered to the above named coal operators or coal owners and the received by this copy to the Department of Mines within ten (10) days, *  Copies of this notice and the enclosed plat were MARKEY KNASKEKY OF delivered to the above named coal operators or coal owners and the received by of this copy to the Department of Mines at Charleston, West Virginia.  Very truty yours  FLEASE SUBMIT COPIES OF ALL (Sign Numerical Delivery of this copy to the Department of Mines at Charleston, West Virginia 15238  Since Fittsburgh  Chy or Town  Pennsylvania 15238  State  *SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of					
Coal Owner Carl M. Hinter  Well No. 2 District. New Militon County Doddridge  Coal Operator. Unoperated Quadrangle  Address.  THIS PERMIT MUST BE POSTED AT THE WELL SITE  All provisons being in accordance with Chopter 22, of the W. Va. Code, the location is hereby operated for drilling. This parmit shall expire il TO BE NOTIFIED Paul Garrett  321 Boech Street  ADDRESS Clarksburg, W. Va. 26301  PRONE (304) 622-3871  GENTLEMEN:  The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated October 22. 1975 by Carl M. Hinter, et. U.X. made to Pennaul Company and recorded on the 4th day of November 19.75, in Doddridge County, Book 100 Page 170.  X. NEW WELL DRILL DEFFER REDRILL X PRACTURE OR STIMULATE  OUL 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 operators have been notified as of the above date.  The above manned 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 NABIMA SYMMENDENCANCK or delivered to the above does or coal owners at their books shown respective address 25th day Scotl. 1980. before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.  Very truly your.  PLEASE SIBMIT COPIES OF ALL GEONOMIC SURVEY  P. O. BOX 879  MORGANTON'N, WEST VIRGINIA 26505  Mell Operator  Pennsylvania 15238  State  *SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of					cres <u>241.25</u>
Address (as above)  Coal Operator Unoperated  Address  THIS PERMY MUST BE POSTED AT THE WELL SITE  All provisions being in accordance with Chapter 22, of the W. Vc. Code, the location is hereby approved for drilling  This permit shall expire if  Operations have not comprehenced by 6-2-81  Deputy Director - Oil & Ges Division  GENTLEMEN:  The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee thick thereto, (or as the case may be) under gent or lesse dated October 22. 1975 by Carl M. Hinter, et. ux. made to Pennzoil Company and recorded on the 4th day of November 19.75 in Doddridge County, Book 100 page 170  X NEW WELL DRILL DEFFER REDRILL X FRACTURE OR STIMULATE  OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 3, 1969.  The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators 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 5 of the Code, must be reached plat were XMXMEXXMEXMEND Code Glivery to the old of or on the same day with the mailing or delivery of this copy to the Department of Mines within ten (10) days.  PLEASE SUBNIT COPIES OF ALL GROPHYSICAL LOSS DIRECTIY TO:  WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY  P. O. BOX 879  MORGANTOWN, WEST VIRGINIA 26505  AC-304 - 292-6331  Details of the non-company of this copy to the Department of Mines and Charleston, West Virginia.  Suite 201 1000 RDC Plaza  Survey  Pitsburgh  City or Town  Pennsylvania 15238  State  *SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of	Caval M History				- The same of the
Coal Operator Unoperated Address  THIS PERMIT MUST BE POSIED AT THE WELL SITE  All provisions being in excerdance with Chopter 22, of the W. Vo. Code, the location is hereby approved for diffling the provisions have not compensed by 6-2-81.  Deputy Director Oil 2 Gas Division  GENTLEMEN:  The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated October 22. 18/5 by Carl M. Hinter, et. ux. made to Pennzoil Company and recorded on the 4th day of November 18 75 in Doddridge County, Book 100 Page 170  X NEW WELL DRILL DEEPER REDRILL X FRACTURE OR STIMULATE 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 operators 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 XMORAN XMAN XMAN XMAN Conditional to the above named coal operators or coal owners at their above shown respective address 21th day Sept. 1980 before, or on the same day with the mailing or delivery of this copy to the Department of Mines within ten (10) days. **  Very truly yours.  PLEASE SUBMIT COPIES OF ALL GROPHYSICAL LOGS DIRECTLY TO:  WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY Address of the Code, must be received by, or filed with the Department of Mines at Charleston, West Virginia.  Surfect Pittsburgh Well Operator Well Operator Toton Pennsylvania 15238  State  *SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of	77 84 6				
Address.  All provisions being in occordance with Chapter 22, of the W. Va Code, the location is hereby approved to the W. Va Code, the location is hereby approved to the W. Va Code, the location is hereby approved to the W. Va Code, the location is hereby approved to the with the location is hereby approved to the location is hereby approved to the with the location is hereby approved to the with the location is hereby approved to the location is the with the location is location is the location is the location is location in the location is location.  The above named coal owners and/or operator are hereby notified that any objection here with 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 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 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 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					-
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All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if a permit shall expire if					
INSPECTOR  TO BE NOTIFIED  Paul Garrett  321 Beech Street  ADDRESS Clarksburg, W. Va. 26301  PHONE (304) 622-3871  The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lesse dated October 22, 19/5 by Carl M.  Hinter, et. ux. made to Pennzoil Company  19.75, in Doddridge County, Book 100 Page 170  X NEW WELL DRILL DEEPER REDRILL X FRACTURE OR STIMULATE  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 operators 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 XMARKA XMYMENDAMANA or delivered to the above named coal operators or coal owners at their above shown respective address. 29th. days 69th. 1980 before, or on the 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  P. O. BOX 879  MORGANTOWN, WEST VIRGINIA 26505  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 receipt of the section of the gas from the receipt of the section of the gas from the receipt of the section of the gas from the receipt of the control of the gas from the receipt of the control of the gas from the receipt of the control of the gas from the receipt of the control of the gas from the receipt of the control of the gas from the receipt of the page from the gas from the receipt of the gas from the receipt of the control of the g	THIS PERMIT MUST BE POSTED AT THE WELL SITE				
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Coperations have not compensed by 6-281  Deputy Director - Oil & Gos Division  GENTLEMEN:  The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated October 22. 16/5 by Carl M.  Hinter, et. ux. made to Pennzoil Company and recorded on the 4th day of November 19.75 in Doddridge County, Book 100 Page 170  X NEW WELL DRILL DEFFER REDRILL X FRACTURE OR STIMULATE 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 operators 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 XMORAR XMORAR Or delivered to the shove named coal operators or coal owners at their above shown respective siddress 29th day Septi. 1980 before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.  Very truly yours.  Very truly yours.  Very truly yours.  Site 201, 1000 RIDC Plaza  State  *SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of the section of ten days from the receipt of the section of ten days from the receipt of the section of ten days from the receipt of ten days from the recei		INSPEC	CTOR		
Deputy Director - Oil & Gos Division  OENTLEMEN:  The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lesse dated October 22. 1975 by Carl M. Hinter, et. ux. made to Pennzoil Company and recorded on the 4th day of November 19.75 in Doddridge County, Book 100 Page 170  X NEW WELL DRILL DEFER REDRILL X FRACTURE OR STIMULATE 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 operators 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 filled with the Department of Mines within ten (10) days. *  Copies of this notice and the enclosed plat were YARRIKK NAME OF ACCURATION OF ACCURATION OF ALL GEOPHYSICAL LOGS DIRECTLY TO:  WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY Address of Well Operator Of City or Town PENSYLVANIA GEOLOGICAL AND ECONOMIC SURVEY Address of Well Operator Of City or Town Pennsylvania 15238  State  *SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of	for This permit shall expire if	TO BE			
PHONE [304] 622-3871  GENTLEMEN:  The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lesse dated October 22, 1975 by Carl M.  Hinter, et. ux. made to Pennzoil Company and recorded on the 4th day of November 19.75, in Doddridge County, Book 100 Page 170  X NEW WELL DRILL DEFER REDRILL X FRACTURE OR STIMULATE 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 operators 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 XMANA XNAMENCHARX XNAMENCHAR	operations have not commenced by 6-2-81	ADDDES			l
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The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated October 22, 1975 by Carl M.  Hinter, et. UX. made to Pennzoil Company and recorded on the 4th day of November 1975, in Doddridge County, Book 100 Page 170  X NEW WELL DRILL DEEPER REDRILL X FRACTURE OR STIMULATE 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 operators 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 XMANAXANAXAN or delivered to the above named coal operators or coal owners at their above shown respective address 29th day Sept. 1980 before, or on the 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 Address of Well Operator  WEST VIRGINIA GEOLOGICAL AND Survey Address Of Well Operator  WEST VIRGINIA GEOLOGICAL AND Address Of Well Operator  WEST VIRGINIA GEOLOGICAL AND Address Of Well Operator Operato	GENTLEMEN;				
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NEW WELL					my or <u>moreover</u> .
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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 receipt of	GEOTHIOIGHE HOOD DANGOIDT TO	. 0		Oper ator	
MORGANTOWN, WEST VIRGINIA 26505  AC-304 - 292-6331  Well Operator  City or Town  Pennsylvania 15238  State  *SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of		Address			Plaza
AC-304 - 292-6331  Pennsylvania 15238  State  *SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of			Pittsburgh		
Pennsylvania 15238  State  *SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of		,	City or	Town	
*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of	AC-304 - 292-0331		Pennsylvan <sup>.</sup>	ia 152	38
*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of			St	ate	Andrew Control of the Market Market Control of the
*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of					
	*SECTION 3 If no objections are filed or for	and by the Departme	ent of mines, within said p	eriod 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	notice and plat by the department of mines, to said propose the filing of such plat, that no objections have been made b	sed location, the dep	artment shall forthwith issue	e to the well opera	ator a permit reciting

ation requirements as set forth in earry out the specified requirements."

Vice Mesilent

47-017-2843

PERMIT NUMBER

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

PROPOSED WORK ORDER TO	DRILL	_ DEEPENX	FRACTURE-STIMULATE
DRILLING CONTRACTOR: (If	Known)	RESPONSIBLE AGENT	
NAME Union Drilling, I	nc.	NAME Robert Wall	ace, Esq. c/o Union Drl
ADDRESS P.O. Drawer 40,			wer 40, Buckhannon, WV
TELEPHONE <u>(304)</u> 472-46	510		472-4610
ESTIMATED DEPTH OF COMPL	ETED WELL: 5300 ft.	ROTARY X	CABLE TOOLS
PROPOSED GEOLOGICAL FORM	MATION: Benson-Flk		
TYPE OF WELL: OIL_		VIR STORAGE	E DIGDOGA I
			OODOTHER
		WAIDI I'D	JODOTHER
TENTATIVE CASING PROGRAM	:		
CASING AND TUBING SIZE	USED FOR	LEFT IN	CEMENT FILL UP
0 - 16	DRILLING	WELL	OR SACKS - CUBIC FT.
3XXXX 11-3/4	40'	40'	
- 5/8	70	40	Sanded in
- 5/8	2000'	2000'	
	2000	2000	To surface
1/2			
1/2	5300'	5300'	500 sacks
			Perf. Top
			Perf. Bottom
ners			Perf. Top
			Perf. Bottom
DD O XIBA ME DO TOX			
PPROXIMATE FRESH WATER I	DEPTHS _ FEET	?SALT WATER _	FEET ?
PPROXIMATE COAL DEPTHS		)	?
COAL BEING MINED IN THE	AREA? NO No	BY WHOM?	N/A
D DRILL:			
	DE OC 1 DIGG OF PERSON		
SUBMIT FIVE (5) COPIES O	or OG - 1, \$100.00 PERMIT F	EE, PERFORMANCE BO	OND AND PERMANENT COPY
DRIII DECREE OF PERFIT			
DRILL DEEPER OR REDRILL			•
WELLS DRILLED PRIOR TO	F OG - 1, SHOWING ORIGINA	L PERMIT NUMBER AN	D PERFORMANCE BOND. ON
MUST ALSO BE SUBMITTED	1020, A IERWANENI COPY	OF THE PLAT AND T	HE ORIGINAL WELL RECORD
	•		
FRACTURE - STIMULATE:			
BOND PERMANENT DIAM	GINALLY DRILLED BEFORE,	JUNE 5, 1929, FIVE (5) C	OPIES OG - 1, PERFORMANCE
, ,	AND OWIGHNAL MELL RECOR	D.	
ING ORIGINAL DEPART NUMBER	GINALLY DRILLED ON AND/O	OR AFTER JUNE 5, 1929	FIVE COPIES OG - 1, SHOW-
, ,	BUIL, AND TERFORMANCE BU	ND.	
Required forms must be filed v	within ninety (90) days of comp	pletion for bond release.	Inspector to be notified twenty
four (24) hours in advance.			- nothing twenty-
·			
		American (Control of Victorian Control of Victorian	and the same and t
	FEE SIMPLE		
			·
The following waiver must be	completed by the coal operator	if the permit is to be is	sued within len days of receipt
IVER: I the undersigned, Agent	for	_ Coal Company, Owner	or Operator of the coal under
this lease have examined	and place on our mine maps t	his proposed well location	n.
providing operator has com	Coal Company have	no objections to said wel	being drilled at this location,
Code.	The state of the same regulation		Chapter 22 of the West Virginia IMPLE
		TEE 3	INF LE
		Carl on &	tonten
		XXX	XXXXXXXX
		Carl M. Hinter	, Coal Owner

XXtXiXiXiXXXX

RECEIVED

Division of Energy

#### STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVSION OF OIL AND GAS

017-2843-P

### JAN 2 5 AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVITED SHOULD Section IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses. Operator Well No.: WWJ8001-01 Farm name: HINTER, CARL LOCATION: Elevation: 890.00 Quadrangle: NEW MILTON District: NEW MILTON County: DODDRIDGE
Latitude: 11700 Feet South of 39 Deg. 12 Min. 30 Sec.
Longitude 10100 Feet West of 80 Deg. 40 Min. Sec. Well Type: OIL GAS X Company: Angerman Associates, Inc. Coal Operator N/A 109 Zeta Drive or Owner Pittsburgh, PA 15238 Agent: Robert Wallace, Esq. Coal Operator\_\_\_\_ or Owner Inspector: Mike Underwood Permit Issued: 12/05/88 AFFIDAVIT JAN 2 5 91 STATE OF WEST VIRGINIA, County of Doddridge SS: and Art Yingling Ken Stewart first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Angerman Associates. Inc.

well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the day of , 1920, and that the well was plugged and filled in the following manner: FROM PIPE REMOVED TYPE 4½" - 2601' 27461 5250 5347 Drill cuttings 11-3/4" - 0 183 sks. reg. Port. cmt. 2664 5250 361 2664 8-5/8" - 0 1185' 2658 Gel (10 bbl./sk.) 1-1/4" - 5192' 2659 2658 Cast Iron Bridge Plug 1322 2658 Gel (10 bbl./sk.) 1122 1322 59 sks. Reg. Port. cmt. Gel (10 bbl./sk.) 322 1122 50 sks. rea. Port. cmt. Surface 3' 8" pipe Description of monument: and that the work of plugging and filling said well was completed on the 3/34 day of War , 19/9% And furthur deponents saith not. Sworn and subscribe before me this 2/57My commission expires: REID K. BAKER, NOTARY PUBLIC O'HARA TOWNSHIP, ALLEGHENY COUNTY

MY COMMISSION EXPIRES APRIL 15, 1093

Member, Pennsylvania Association of Notarios

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