

Form OG-10



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS DIVISION



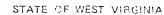
OIL & GAS ENVISION DEFT, OF MUNES

Spudder Cable Tools

Quadrangle B	lue Creek		OIL AND	GAS DIVISION		Storage	XX consistence of the second o
Permit No. K			Town Rames Stanger	TECORD		Oil or Gas	Well Gas
			p. n. W. Va.		Used in Drilling	Left in Well	(KIND) Packers
Farm W Location (waters)	. A. MacCo Blue Cre	rkle ek	Acres 338	Size			ind of Packer
District E	1k	County Kan	Blev. 1292 awha	200 9-5/8	2321	<u>2321</u> s	ize of
	A	Address So.Chas	Bare s., W.Va. e	65/8		T.	Depth set
Drilling commend	ced 3-25-	Address Charle: 78	ston, W.Va.	4 <i>1</i> /2		P	erf. top
Date Shot	From		[◊	Liners Used	5635	P	erf. toperf. bottom
Open Flow Volume Rock Pressure	/10ths Wate /10ths Merc 3.5 mill: 1120	r in	Inch Inch Cu. Ft. hrs. hrs	Attach copy of CASING CEM Amount of cen Name of Servi	cementing record. IENTED13-3/89 nent used (bags)	SIZE 95' No. 150 sacks	Ft. 3-26-78 Date
WELL ACIDIZE	D (DETAILS) RED (DETAIL	1000 gal. MCA 15% s) 1012 BBI	S with 50,00	FE 00 1bs. 20-4	et inch et inch 0 mesh sand	HES FE HES FE treating at	ET INCHES ET INCHES ET INCHES 26 00#
RESULT AFTER ROCK PRESSUR Fresh Water	TREATMENT E AFTER TRI	(Initial open Flow ATMENT 11	or bbls.)	HOURS Salt Water	72 hours Salt Sand	Feet 1	265
Formation	Color	Hard or Soft	Top	00111140000100000000000000000000000000	Oil, Gas or Water	Depth	Remarks
Sand&Shale Sand	jana marata-manasanta A de servantino e mulan setti di apatamangan da a	American control de trata, por esta por en American de	0 170	170 175	учистовна от того постанова также за задательство на началних от постанова на постанова на постанова на постан		One distriction in common and authorized control of the common and

Formation	Color	Hard or Soft		Артон гле описания объектория и подавления объектория	Oil, Gas or Water	And the second s	
	ON PROPERTY AND PROPERTY OF THE PROPERTY OF TH				A STATE A LOUTER.	Depth	Remarks
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Sand			170	175	elli inaveccia	and the second s	
Sand&Shale			175	1150	operations.	Service Communication Communic	Produceron and
Salt Sand			1150	1540	Water	1265	- The state of the
Shale			1540	1620			
LittleLime			1620	1675		**************************************	ave admitted by page
Pencil Cave			1675	1680		muvinista ottimee	or and the second secon
Big Lime			1680	1860			**************************************
Injun Sand			1860	1900			originalism decire
Weir			1900	2090			
Shale			2090	5500			
Lime			5500	5619	5619	يامه مستو عمو مسو	5 500
Oriskany	STATE CONTRACT AND ADDRESS OF THE PARTY OF T		5619	5652	1293	5652 1293	1293
Heldeburg	P. dischool and the second		5652	5700	43 pt. 6	uniques, anno caracterisquementarios de acados estraciones en escriber de la colonidad de la c	an an ann an
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DEPARTMENT OF MINES

OIL & GAS CAVISION DEPT. OF MINES

_PERMIT NUMBER

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,			
Charleston, W. Va.	DA	re February 27, 197	8
Surface Owner Clyde Bare, Jr.	Cor	neany Columbia Gas Tra	nsmission Corporation
Address 709 Berry St., So. Charleston		ress P. O. Box 1273, C	
Mineral Owner Sam MacCorkle, et al	Far	m W. A. MacCorkle	Acres338
Address #8 Capitol Street, Charleston	n, W. Va. Loc	ation (waters) 3 Mile F	k. of Blue Creek
		No. 12084	
Address	Dist	riet Elk	County Kanawha
Coal Operator Not Operated			
Address			
THIS PERMIT MUST BE POSTED AT THE Y	WELL SITE		
All provisions being in accordance with Ch of the W. Va. Code, the location is hereby	approved INSPEC		
for <u>drilling</u> . This permit sha	lexpire if TO BE	NOTIFIED <u>Martin Nich</u>	ols
operations have not commenced by 7-7-7	8 . ADDRES	s P. O. Box 554, Clen	denin, West Virginia
Thut h and	PHONE	548-6993	
Deputy Director - Oil & Gas Division GENTLEMEN:			
	J. 133		
The undersigned well operator is entitled to dittle thereto (or as the case may be) under me	ariii upon the above	May 4	for oil and gas, having fee 50 · W. A. MacCorkle
title thereto, (or as the case may be) under gra made to United Fue	nt or lease dated I Gas Company	19	by 11. 11. 11. 10.
19, in <u>Kanawha</u> County, Book	123	ge 193	day of
X NEW WELLDRILL D	EEPER	_REDRILLFRAC	CIURE OR STIMULATE
OIL AND GAS WELL ORIGINALI			
The enclosed plat was prepared by a registere have been notified as of the above date.	ed engineer or licens	ed land surveyor and all coa	d owners and/or operators
The above named coal owners and/or operator to make by Section 3 of the Code, must be rece	r are hereby notified ived by, or filed wit	that any objection they wish the Department of Mines w	to make, or are required ithin ten (10) days. *
Copies of this notice and the enclosed plat we or coal owners at their above shown respective same day with the mailing or delivery of this cop	re mailed by register	ed mail, or delivered to the a	bove named coal operators before, or on the
	Very tr	uly yopts,	
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	(Sign A	ared DAME	EMM
SECTION LOGS DIRECTLY 10.	(Sign 1	Director Well Operato Exploration and D	r evel opment
WEST VIRGINIA GEOLOGICAL AND		P. 0. Box 1273	ever opineric
ECONOMIC SURVEY	Address of	Street	
P. O. BOX 879	Well Operator	Charleston,	
MORGANTOWN, WEST VIRGINIA 26505			
MORGANTOWN, WEST VIRGINIA 26505 AC-304 - 292-6331		City or Town	
			325

*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.

"I have read and understand the reclamation requirements as set forth in Chapter 22, Trible 4, complete 22 and will carry out the specified requirements."

47-039

Exploration and Development

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

NAME Larry Friend ADDRESS O. Box 610, Clendenin, W. Va. ADDRESS P. O. Box 610, Clendenin, W. Va. TELEPHONE 304/965-3317 ESTIMATED DEPTH OF COMPLETED WELL: 5700¹ ROTARY X CABLE TOOLS PROPOSED GEOLOGICAL FORMATION: Oriskany TYPE OF WELL: OIL GAS COMB. STORAGE X DISPOSAL, RECYCLING WATER FLOOD OTHER TENTATIVE CASING PROGRAM: CASING AND TUBING SIZE DRILLING WILL OR SACKS - CUBIC FT. 30 W 30¹ Cement to Surface 31 W 3/8 200¹ Cement to Surface 32 W 3/8 2300¹ Cement to Surface 33 Social Surface 34 5610¹ 36 4 5610¹ 37 Peri. Tep 37 Peri. Tep 37 Peri. Tep 37 Peri. Bottom	NAME	Larry Friend SSP. 0. Box 610, Clendenin, W SONE 304/965-3317 Y. X. CABLE TOOLS STORAGE X. DISPOSAL WATER FLOOD OTHER WILL OR SACKS - CUBIC Cement to Surface	,
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APPROXIMATE FRESH WATER DEPTHS	APPROXIMATE FRESH WATER DEPTHS FEET S	Perf. Top	
APPROXIMATE FRESH WATER DEPTHS FEET SALT WATER FEET APPROXIMATE COAL DEPTHS S COAL BEING MINED IN THE AREA? NO BY WHOM? TO DRILL: SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, FERFORMANCE BOND AND FERMANENT COPY OF PLAT. TO DRILL DEEPER OR REDRILL: SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED. TO FRACTURE - STIMULATE: OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD. OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND. Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty four (24) hours in advance. The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receip hereof. WAIVER: 1 the undersigned, Agent for Coal Company, Owner or Operator of the coal undut this lease have examined and place on our mine maps this proposed well location. We the Coal Company have no objections to said well being drilled at this location providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia.	APPROXIMATE FRESH WATER DEPTHS FEET S		
APPROXIMATE FRESH WATER DEPTHS FEET SALT WATER FEET. APPROXIMATE COAL DEPTHS S COAL BEING MINED IN THE AREA? NO BY WHOM? TO DRILL: SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT. FO DRILL DEEPER OR REDRILL: SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED. FO FRACTURE - STIMULATE: OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD. OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND. Required forms must be filed within uinety (90) days of completion for bond release. Inspector to be notified (wenty four (24) hours in advance. The following waiver must be completed by the coal eperator if the permit is to be issued within ten days of receip hereof. WAIVER: 1 the undersigned, Agent for	APPROXIMATE FRESH WATER DEPTHS FEETS	ı	
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