

Huntington (205) 3-6





## OIL & GAS DIVISION DEPT. OF MINES

Left

in Well



## Oil and Gas Division RECORD 1

Casing and

Tubing

Used in

Drilling

Quadrangle Guyandotte

Company Cumberland Gas Company

Address Box 2386, Charleston, W.Va.

Permit No. CAB-542

Rotary	Oil
Table X	(Gas X) & West
Recycling	Comb.
Water Flood_	Storage
Disposal	(Kind)

Cement fill up

Cu. ft. (Sks.)

Farm Acre Land Company Acre	eres 344.31	Lubing	Drilling	in Well Cu. ft. (Sks.)
Location (waters) Altizer Creek		Size		Marie Marie
Well No. MC-47 EI	ev 5921	20-16	*	
District Guyandotte County Cal		Cond. 14	18.	18.
The surface of tract is owned in fee by		13-10"10-3/4	rater to a company and a company	arrane no sue reseau de distantiva de la companya del la companya de la companya
	-	9 5/8	Tr. Je	Surface
Address		8 5/8	1208	weith 🚅 💮 a tradició a fraid
Mineral rights are owned by PCT Compa	any	7		2047° 25 Sks.
2 Maple Prive, Huntington,		5 1/2		2047' to 178
Drilling Commenced 11-7-72		7 1/2		R Strapper I rang approximation on the segretary of the s
Drilling Completed 2-8-73		3		AND ALL STANDARDS AND
Initial open flow Show cu. ft		2		
Final production 94. 900 cu. ft. per day	bbls.	Liners Used		The state of the s
Well openlirs. before test	270#_ RP.			samus il ar ar la live e caración de la companya d La companya de la co
Well treatment details:		Attach copy of co		
Shot with 1933# Oil Wel	Ll Gelatin	(2930° -	2690	
				The state of the s
Coal was encountered at				·
Coal was encountered at	et	Salt W	/ater (	540 tions
Fresh water 60 Fo	et	Salt W	/ater	640 Peet
Fresh water 60 For Producing Sand Brown Shale	et	Depth	The state of the state of the state of the state of	
Fresh water 60 For Producing Sand Brown Shale	eet	Depth		
Fresh water 60 Fo	et	Depth	The state of the state of the state of the state of	
Fresh water 60 For Producing Sand Brown Shale	Top Feet	Bottom Feet		
Fresh water 60 Formation Color Hard or Soft	Top Feet	Bottom Feet		
Fresh water 60 Formation Shale Formation Color Hard or Soft  Soil Sand Slate	Top Feet 0 17 30	Bottom Feet  17 30 112		Water * Remarks
Fresh water 60 Formation Shale Formation Color Hard or Soft  Soil Sand Slate Red Rock	Top Feet  0 17 30 112	Depth  Bottom Feet  17 30 112 120	Oil, Gas or	Water * Remarks
Fresh water 60 For Producing Sand Brown Shale  Formation Color Hard or Soft  Soil Sand Slate Red Rock Slate	Top Feet  0 17 30 112 120	Depth  Bottom Feet  17 30 112 120 212	Oil, Gas or	Water * Remarks
Fresh water 60 For Producing Sand Brown Shale  Formation Color Hard or Soft  Soil Sand Slate Red Rock Slate Sand	Top Feet  0 17 30 112 120 212	Depth  Bottom Feet  17 30 112 120 212 303	Oil, Gas or	Water * Remarks
Fresh water 60 For Producing Sand Brown Shale  Formation Color Hard or Soft  Soil Sand Slate Red Rock Slate Sand Slate Sand Slate Sand Slate Sand Slate Sand Slate Sand	Top Feet  0 17 30 112 120 212 303	Depth  17 30 112 120 212 303 313	Oil, Gas or	Water * Remarks
Fresh water 60 For Producing Sand Brown Shale  Formation Color Hard or Soft  Soil Sand Slate Red Rock Slate Sand Slate	Top Feet  0 17 30 112 120 212 303 313 495	Depth  Bottom Feet  17 30 112 120 212 303 313 495 500	Oil, Gas or	Water * Remarks
Fresh water 60 For Producing Sand Brown Shale  Formation Color Hard or Soft  Soil Sand Slate Red Rock Slate Sand	Top Feet  0 17 30 112 120 212 303 313 495 500	Depth  17 30 112 120 212 303 313 495 500 502	Oil, Gas or	Water * Remarks
Fresh water 60 For Producing Sand Brown Shale  Formation Color Hard or Soft  Soil Sand Slate Red Rock Slate Sand Slate	Top Feet  0 17 30 112 120 212 303 313 495 500 502	Depth  17 30 112 120 212 303 313 495 500 502 535	Oil, Gas or  Water (	Water * Remarks  60°
Fresh water 60 Formation Sand Brown Shale  Formation Color Hard or Soft  Soil Sand Slate Red Rock Slate Sand	Top Feet  0 17 30 112 120 212 303 313 495 500 502 535	Depth  17 30 112 120 212 303 313 495 500 502 535 697	Oil, Gas or  Water (	Water * Remarks
Fresh water 60 For Producing Sand Brown Shale  Formation Color Hard or Soft  Soil Sand Slate Red Rock Slate Sand Slate	Top Feet  O 17 30 112 120 212 303 313 495 500 502 535 697	Depth  Bottom Feet  17 30 112 120 212 303 313 495 500 502 535 697 950	Oil, Gas or  Water (	Water * Remarks  60°
Fresh water 60 For Producing Sand Brown Shale  Formation Color Hard or Soft  Soil Sand Slate Red Rock Slate Sand Slate	Top Feet  O 17 30 112 120 212 303 313 495 500 502 535 697 950 986	Depth  17 30 112 120 212 303 313 495 500 502 535 697 950 986	Oil, Gas or  Water (	Water * Remarks  60°
Fresh water 60 For Producing Sand Brown Shale  Formation Color Hard or Soft  Soil Sand Slate Red Rock Slate Sand Slate Little Lime	Top Feet  O 17 30 112 120 212 303 313 495 500 502 535 697 950 986 1169	Depth  17 30 112 120 212 303 313 495 500 502 535 697 950 986 1169 1181	Oil, Gas or  Water (	Water * Remarks  60°
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Fresh water 60 Formation Color Hard or Soft  Soil Sand Slate Red Rock Slate Sand Slate Slate Big Lime	Top Feet  0 17 30 112 120 212 303 313 495 500 502 535 697 950 986 1169 1181 1183	Depth  17 30 112 120 212 303 313 495 500 502 535 697 950 986 1169 1181 1183 1195	Oil, Gas or  Water (	Water * Remarks  60°
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Fresh water 60 For Producing Sand Brown Shale  Formation Color Hard or Soft  Soil Sand Slate Red Rock Slate Sand Slate Slate Big Lime	Top Feet  O 17 30 112 120 212 303 313 495 500 502 535 697 950 986 1169 1181 1183 1195 1208	Depth  17 30 112 120 212 303 313 495 500 502 535 697 950 986 1181 1183 1195 1208 1337	Oil, Gas or  Water (	Water * Remarks  60°
Fresh water 60 Formation Sand Brown Shale  Formation Color Hard or Soft  Soil Sand Slate Red Rock Slate Sand Slate Little Lime Slate Little Lime Slate Lime	Top Feet  O 17 30 112 120 212 303 313 495 500 502 535 697 950 986 1169 1181 1183 1195 1208 1337	Depth  17 30 112 120 212 303 313 495 500 502 535 697 950 986 1169 1181 1183 1195 1208 1337 1350	Oil, Gas or  Water (	Water * Remarks  60°
Fresh water 60 For Producing Sand Brown Shale  Formation Color Hard or Soft  Soil Sand Slate Red Rock Slate Sand Slate Little Lime Slate Little Lime Slate Slate Lime Slate	Top Feet  O 17 30 112 120 212 303 313 495 500 502 535 697 950 986 1169 1181 1183 1195 1208	Depth  17 30 112 120 212 303 313 495 500 502 535 697 950 986 1181 1183 1195 1208 1337	Oil, Gas or  Water (	Water * Remarks  60°

<sup>\*</sup> Indicates Electric Log tops in the remarks section.

Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water * Remarks
Slate & Shells Brown Shale Berea Sand Slate Shell Red Rock Slate Brown Shale Slate & Shells Brown Shale Slate Brown Shale White Slate Brown Shale Corniferous Lime-Onend, Red Rock Slate Clinton Sand-Tuscarora Slate & Shells Red Rock Slate Clinton Sand-Tuscarora Slate & Shells Red Rock	1480 1960 1985 19996 2002 2025 2035 2035 2035 2035 2035 2035	1960 1985 1996 2008 2028 2035 2145 2835 2925 3182 2935 3182 4168 4178 4215 4326	Gas Show 1986°  Gas Show 2100°  Gas Show 2710°  Gas Show 2875°
TOTAL DEPTH		4363	= 132
		James Carrier	
4363		(615)	
1181 expl. H.			3187 594 2588
		-	
			1、100mm (1 mm)
ing di kanangan kanangan salah s Salah salah sa			in the second of
en er skriver i de en			
Section production of the Control of			

	Date	April	_ 6		3
APPROVI:	D CUMBE	RLAND	GAS CON	MPANY O	wner
	Rv C		fulling		
	J	Limi	ng(Title)	Gen. Supt	





#### Oil and Gas Division

### OIL AND GAS WELL PERMIT APPLICATION

Charleston, W. Va.	
Charleston, w. va.	DATE October 3, 1972
Surface Owner	Company Cumberland Gas Company
Address	Address P. O. Box 2386, Charleston, W.V.
Mineral Owner	Farm Acre Land Company Acres 344.31
Address 2 Maple Dr., Muntington, W.Va.	Location (waters) Altizer Creek
Coal OwnerSame	- Well No
Address	District Guyandotte County Cabell
Coal Operator	The same of the sa
Address	m remet
S PERMIT MUST BE POSTED AT THE WELL SITS  l provisions being in accordance with Chapter 22,	INSPECTOR TO BE NOTIFIED Butcher RJ.D4 PH: 736-9885
the W. Va Code, the location is hereby approved relations have not commenced by 3-6-73	2174. 35504
Aut binds	
outy Director - Oil & Gas Division	
CENTED TO THE PARTY	
GENTLEMEN:	
	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 da	ted June 24, 191, by Acre Land
made to	and recorded on the day of
The state of the s	REDRILL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED	
The one while official pittings	DEFORE 50ME 5, 1969.
The enclosed plat was prepared by a registered engineer or have been notified as of the above date.	licensed land surveyor and all coal owners and/or operators
have been notified as of the above date.	otified that any objection they wish to make or are required
The above named coal owners and/or operator are hereby not make by Section 3 of the Code, must be received by, or file Copies of this notice and the enclosed plat were mailed by ror coal owners at their above shown respective address same day with the mailing or delivery of this copy to the Department.	otified that any objection they wish to make, or are required ed with the Department of Mines within ten (10) days. *  registered mail, or delivered to the above named coal operators  day
The above named coal owners and/or operator are hereby not make by Section 3 of the Code, must be received by, or file Copies of this notice and the enclosed plat were mailed by ror coal owners at their above shown respective address same day with the mailing or delivery of this copy to the Department.	otified that any objection they wish to make, or are required ed with the Department of Mines within ten (10) days. *  registered mail, or delivered to the above named coal operators  day
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The above named coal owners and/or operator are hereby not to make by Section 3 of the Code, must be received by, or file Copies of this notice and the enclosed plat were mailed by ror coal owners at their above shown respective address same day with the mailing or delivery of this copy to the Department of the Copy to the Copy to the Department of the Copy to the Department of the Copy to the Department of the Copy to the	otified that any objection they wish to make, or are required ed with the Department of Mines within ten (10) days. *  registered mail, or delivered to the above named coal operators  day
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The above named coal owners and/or operator are hereby not to make by Section 3 of the Code, must be received by, or file Copies of this notice and the enclosed plat were mailed by ror coal owners at their above shown respective address same day with the mailing or delivery of this copy to the Department of the Copy to the Copy to the Department of the Copy to the Department of the Copy to the Department of the Copy to the	otified that any objection they wish to make, or are required ed with the Department of Mines within ten (10) days. *  registered mail, or delivered to the above named coal operators day before, or on the artment of Mines at Charleston, West Virginia.  Very truly yours,  Sign Name)  Well Operator
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The above named coal owners and/or operator are hereby not make by Section 3 of the Code, must be received by, or file Copies of this notice and the enclosed plat were mailed by ror coal owners at their above shown respective address same day with the mailing or delivery of this copy to the Department of the Copy to the Copy to the Department of the Copy to the Department of the Copy to the Department of the Copy to the Copy to the Department of the Copy to the Copy to the Department of the Copy to the Department of the Copy to the Copy to the Department of the Copy to the Copy to the Department of the Copy to	otified that any objection they wish to make, or are required ed with the Department of Mines within ten (10) days. *  registered mail, or delivered to the above named coal operators day before, or on the artment of Mines at Charleston, West Virginia.  Very truly yours,  Sign Name  Well Operator  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 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.

Cab-542 PERMIT NUMBER

BLANKET BOND

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

PROPOS	ED WORK ORDER TO	DRILL	DEEPEN	FRACTURE-STIMULATE
	G CONTRACTOR: (If		RESPONSIBLE AGEN	
NAME_	o. Tools - Cur	berland Gas Company	NAME J. C.	Liming
ADDRES	S	. Charleston, W.Va.	ADDRESS P. O.	Box 2386, Charleston,
	ONE343 <b>~</b> 9566		TELEPHONE	343-9566
		ETED WELL: 3,000°	ROTARY	CABLE TOOLS X
		MATION: <u>Proving Shale</u>		
TYPE OF	WELL: OIL_	GAS COM	BSTORAG	E DISPOSAL
•		RECYCLING	WATER FI	OODOTHER
	7.7 g			
TENTATI	VE CASING PROGRAM	<b>1:</b>		
CASI	NG AND TUBING	USED FOR	LEFT IN	CEMENT FILL UP
Constitution and Constitution of Constitution	SIZE	DRILLING	WELL	OR SACKS - CUBIC FT.
20 - 16	1.4	20*	201	4
13 - 10	10-3/4"	380*	380	TO SURFACE
9 - 5/8 8 - 5/8			Winner Charles Miles Miles Miles	
7		1,250'		
5 1/2		1,600*	1,600	
4 1/2			·	
3			3,000	Perf. Top
2				Perf. Bottom
Liners				Perf. Top
				Perf. Bottom
		1		
APPROXI	MATE FRESH WATER	DEPTHS <u>50</u> FEET	SALT WATER	<b>1,</b> 035 FEET
APPROXI	MATE COAL DEPTHS			The state of the s
IS COAL	BEING MINED IN TH	E AREA?	BY WHOM?	
TO DRIL				
		OF OC 1 #100 00 PERMIT	THE DEPTORALISM	
OF :	PLAT.	OF OG - 1, \$100.00 PERMIT 1	TEE, PERFORMANCE	BOND AND PERMANENT COPY
יוומת חדוו	DEEDED OD DEDDII	т.		
	L DEEPER OR REDRIL			
SUB	MIT FIVE (5) COPIES	OF OG - 1, SHOWING ORIGINA	L PERMIT NUMBER A	ND PERFORMANCE BOND. ON
MUS	T ALSO BE SUBMITTE	D.	OF THE PLAT AND	THE ORIGINAL WELL RECORD
TO FRAC	TURE - STIMULATE:			
BON	AND/OR GAS WELL O. D. PERMANENT PLAT	RIGINALLY DRILLED BEFORE AND ORIGINAL WELL RECOR	JUNE 5, 1929, FIVE (5)	COPIES OG - 1, PERFORMANCE
ING	ORIGINAL PERMIT NU	MBER, AND PERFORMANCE BO	OR AFTER JUNE 5, 19 IND.	29, FIVE COPIES OG - 1, SHOW-
four	(24) hours in advance.	i within ninety (90) days of com	pletion for bond release	. Inspector to be notified twenty-
4		- Cognition		
The	following waiver must l	pe completed by the coal operate	or if the permit is to be	issued within ten days of receipt
thereof.				
WAIVER:	I the undersigned, Age	nt for	_ Coal Company, Owne	er or Operator of the coal under
		ed and place on our mine maps		
	We the	Coal Company have	e no objections to said	well being drilled at this location,
	providing operator has o			7, Chapter 22 of the West Virginia
	Code.			
			, , , , , , , , , , , , , , , , , , ,	For Coal Company
			1	гот соаг сотралу

Official Title