



STATE OF WEST VIRGINIA DEPARTMENT OF MINES

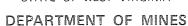
Oil and Gas Division

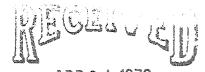
WELL RECORD

Rotary X Oil X

Quadrangle Ben. Permit No. 07		3)				Cable Recycling Water Flood Disposal	Comb. X
Address P. O.	Box 10	1 & Gas Co., : 167 Sta. "C" (Charleston,	Casing and WV Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
		gar Creek		Size			
Well No. #	' 3	E	lev. 816.0"	20-16			
District Union	-Lafaye	tte County Plea	asants	Cond.			
The surface of	tract is ow	ned in fee by Wa	ldo	13-10"			
Wagner Hei	7°S			9 5/8			
Address				8 5/8	250	250	Cemented to
Mineral rights as	re owned b	y Waldo Wagne	er Heirs	7			Sarface
				5 1/2			
Drilling Commen				4 1/2			
Drilling Complet	red_6-21	-79		3			
Initial open flow	A ROOFE	TO Cu. ft	bbis.	27/8	2700	2700	100 Sacks
Final production	}	_cu. ft. per day _	bbls.	Lineis Used			100 - 2011
		hrs. before test				District Co.	
Well treatment of	letails:			Attach copy of	cementing race		
500 Gals.	of 28% H	HCL Acid ahead	d of Hydraul	is Weter Fran	terrenting lect	NG.	
1000 bbls.	of wate	er, 40,000 lbs	= 80/192	Mesh Sand 20	ooo lba	~£	
20/40 Mesh	Sand.	- 4000000000000000000000000000000000000		TOTA DAME. 20	,000 IDS.	OT	
200,000 c	u. ft. o	of Nitrogen	- No. All The Control of the Control				
and the same of th							
Cost was anonin	tarad at				**************************************		
Fresh water					Inche		1
Producing Sand		rdon	PT	Salt V	~//~	2668	Feet
vescuig sence		And the state of t		Depth	2001 -	2000	
Furmation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or	Water *	Remarks
Clay	Yellow	Soft	^	20			
Sandstone	Gray	Hard	0 30	30			
Shale	Gray	Soft	60	60 188			
Shale	Red	Soft	188	226			
Sandstone	Gray	Hard	226	285			
Sand/Shale	Gray	Soft	285	590			
Cow Run			590	980			
1st Salt Sa			1040	1110			
2nd Salt Sa			1146	1218			
3rd Salt Sa Maxon	and .	Bergerous and the second secon	1264	1292			
Big Lime		Romania de la compania del compania del compania de la compania del la compania de la compania del la compania de la compania de la compania del la	1705	1438			
Keener			1469	1552			
Injun			1596	1632			
Squaw			1613 1719	1708			
Welch Straj	7		1965	1740 1987			
Berea			2022	2070			
Gordon Stra	Ŋ		2450	2485			
Gordon Stra	Ŋ		2508	2524			
Gordon		Bearings	2661	2668	Light s	how of na	tural gas
		·	-	birn 42° 00°2.	700		G*
	•			JUN 15		101	P H







APR 2 4 1979

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

	ARTMENT OF MINES,				37 3	
Charle	ston, W. Va.	DATE_				Mill was state
Surface Owner_	Valdo Vaquer	Compar	y transfer	3 024 6	Gas Co.,	
Address	Bens Am, W.Va.	Address		A. 10-11	<u>7. Statio</u>	
Mineral Owner_		Farm			Acres	<u></u>
Address		Locatio	n (waters)	lungs (*** # # # # # # # # # # # # # # # # # #
Coal Owner		Well No	1997cm		Elevation_	
Address				<u>Union</u>	County	* C.
Coal Operator		Quadrar	ngle <u>Bens I</u>	<u>lun - 7</u> 5		
Address PERMIT	MUST BE POSTED AT THE WELL SITE					
of the W. Va	being in accordance with Chapter 22, Code, the location is hereby approved					
or <u>dril</u>	ling . This permit shall expire if					
orero enality	2 par commenced by 12-25-79					
Deputy Dire	ector - Oil & Gas Division INSF	ECTOR TO BE	NOTIFIED	Ph	il Tracy	
CONTRACTOR	PH 8	758-4573	ADDRESS_	Mi	ddlebourn	, W. Va.
GENTLEMEN:	ed well operator is entitled to drill upor		3 C	-t -613 (C	1
title thereto, (or	as the case may be) under grant or lea	ase datedand		19	by	
NE	W WELLDRILL DEEPER	R	EDRILL	FRAC	TURE OR ST	MULATE
OII	AND GAS WELL ORIGINALLY DRIE	LED BEFORE	JUNE 5, 1969	Э.		
	plat was prepared by a registered engine ed as of the above date.	eer or licensed	land surveyor	and all coal	owners and/or	operators
	med coal owners and/or operator are her ion 3 of the Code, must be received by,					
or coal owners a	notice and the enclosed plat were mailed at their above shown respective address the mailing or delivery of this copy to the	!	day _		before,	
	IT COPIES OF ALL LOGS DIRECTLY TO:	Very truly (Sign Nam		Be	LH.	
West Virgini P. O. Box 87	a Geologic <mark>al and Economic Surve</mark> ; ⁷ 9					2
	W W OCTOR	ddress	THE NATIONAL SECTION SANS	Street	inter 🚗 and inter-contragge.	
	Wall	of Operator				
*	Wen	~ beranor	Cit	y or Town		
				State		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

*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.

47-073-0748 PERMIT NUMBER

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

PROPOSED WORK ORDER TO	DRILL	DEEPEN FRACTURE-STIMULATE				
DRILLING CONTRACTOR: (If	Known)	RESPONSIBLE AGENT:				
NAME List Wart w	LSBOCLE CES					
ADDRESS 344424	¥01.					
TELEPHONE		TELEPHONE 776-3767				
ESTIMATED DEPTH OF COMP	LETED WELL: 2700	ROTARY	CABLE TOOLS			
PROPOSED GEOLOGICAL FOR	MATION: Govern					
TYPE OF WELL: OIL_						
			ODOTHER			
•		annulus annulu	A THE REAL PROPERTY AND ADDRESS ASSESSMENT OF THE PROPERTY AND ADDRESS ASSESSMENT AND ADDRESS ASSESSMENT ADD			
TENTATIVE CASING PROGRA	M:					
		THE THE PROPERTY OF THE PROPER	AND THE PROPERTY OF THE PROPER			
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.			
20 - 16		Y T LUCY AND THE SECOND PROCESS OF THE SECON	CONTRACTOR			
13 - 10						
9 - 5/8						
8 - 5/8	200*	2001	The Surface			
7	2.26.					
5 ½			Name of the state			
4 1/2						
3			Perf. Top			
2	WO I TO W		Perf. Bottom			
Liners			Perf. Top			
			Perf. Bottom			
APPROXIMATE FRESH WATER	r depths_ <u>l50</u> feet	SALT WATER _	FEET			
APPROXIMATE COAL DEPTHS		2				
IS COAL BEING MINED IN TH	HE AREA?	BY WHOM?				
	OF OG - 1, SHOWING ORIGIN TO 1929, A PERMANENT CO					
TO FRACTURE - STIMULATE:						
OIL AND/OR GAS WELL	ORIGINALLY DRILLED BEFOR T AND ORIGINAL WELL RECO		COPIES OG - 1, PERFORMANCE			
	ORIGINALLY DRILLED ON AN UMBER, AND PERFORMANCE		9, FIVE COPIES OG - 1, SHOW-			
Required forms must be fil four (24) hours in advance.	ed within ninety (90) days of co	ompletion for bond release.	Inspector to be notified twenty-			
The following waiver must thereof.	be completed by the coal oper	ator if the permit is to be i	ssued within ten days of receipt			
WAIVER: I the undersigned, Ag this lease have exami	gent forned and place on our mine ma					
	Coal Company h					
		Fo	or Coal Company			
			Official Title			