



#### STATE OF WEST VIRGINIA

#### DEPARTMENT OF MINES

OIL AND GAS DIVISION 4

Oil or Gas Well

Quadrangle Halbrook

Permit No. Rit-1742

## WELL RECORD

	= 0	"-		ł	· i		1	
Company Vest				Casing and	Used in Drilling	Left in Well	,	Packers
Ludi Coo		est Virginia		Tubing	Duma	Wen		
		A		Size				
Location (waters)	Slab Creel	<u>c</u>	- 2 - 1	16		:	Kind o	f Packer Shoe
	1	E	lev. /0 × 0					_
· /		_County_ Ritch:		13			Size of	
		ee by		10	340	340	Size of	
		Address			1108	1108	Donth	set
		Cox Heirs		0 /8	1		Depun	SCU
		Address		5 3/16	i		Dorf t	op
Drilling commenc	ed May 1	1931		3		1694	1	ottom
								o <b>p</b>
				l l				ottom
				-			Peri. b	ottom
		n				CIAL C	NT. 174	Data
		n 2		CASING CEME	NTED	SIZE	140. L t.	Date
Volume 1 m	11110n	26	Cu. Ft.		No	Coal		1
		lbs. 36		COAL WAS EN			FEET_	INCHES
								INCHES
			feet			and the second second		INCHES
Salt water		feet	feet	FEET	INU	HES		INORES
Formation	Color	Hard or Soft	Тор	Bottom	Oil, Gas or Water	Depth Found		Remarks
Sail						0-8		
Sandrock						8-16		
Redrock						16-41	ļ	
Lime & Sla	te		·		water	41-84 84-125		
Lime		ĺ	-			125-165		
Redrock	33-					165-205		
Slate & Sh Sand	erra		·		water	205-226		
Slate			·			226-240		
Redrock						240-248		
Lime			,			248 <b>-265</b> 265 <b>-3</b> 30		
Sand						330-340		
White Slate Slate						340-381	· I	
Lime-Red	EII					381-407		
Sand						407-417	,	
	e & Shells			<u>.</u>		417-434 434-450		
Grey Lime						450-460		
Slate Lime-griti						460-478		
Redrock	ا ت					478-550		
Slate & Sh	ells					550-564		
Sand						564 <b>-</b> 586 586 <b>-</b> 632		
Slate & Sh	ells					632-705		
Redrock	-116	·				705-734		
Slate & Sl Redrock	TETT2	1	أبس			734-788		
Slate & Si	ells		Work.	वायस्थितः ।		788-812		
	me-Shells		(2)			812-885		
Slate & Sl			18 46	्रक, व्या		885 <b>-90</b> 5		
Redrock			To the			992-100		
Lime			5 000	1/0.80		//		
			5. 9					
				•				
				14.4				

Formation	Color	Hard or Soft	Тор 🔑	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate & Shel Lime Slate & She Dark Lime Sand Slate & She Sand Slate & She Sand Slate & She Sand Slate & She Sand	lls lls lls				water	1008-1094 1094-1108 1108-1134 1134-1147 1147-1208 1208-1330 1330-1438 1438-1447 1447-1510 1510-1518 1518-1526 1526-1638 1638-1662 1662-1694	
Lime-sandy Sand					Eas 1690	1638-1662 1662-1694	
					,		٠.
A Line Process (A Line Proce							
						1	

	<u> </u>		
	Date	September 20,	, 19 57
APPROVED			, Owner
Ву		(Title)	
		(Time)	



# STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

Quadrangle Holbrook

Permit No. RIT-1742-D

## WELL RECORD

Oil or Gas Well Both

Company Vesta Fuel Co., Well No. 3  Address 215 S. Court St., Harrisville, W. Va.  Farm Delton W. Cox  Location (waters) Slab Creek  Well No. 1  District Union  County Ritchie  The surface of tract is owned in fee by Delton W. Cox  Address Pullman, W. Va.  Mineral rights are owned by W. F. Cox Heirs  Address  Drilling commenced  June 1, 1961  Date Shot  From  To  Well No. 2  Casing and Tubing  Used in Tubing  Left in Well  Packers  Kind of Packer  Size of  Size of  At all pipe was left in well  6% as given on previous record  Size of  Depth set  5 3/16  3 1½  2 1400  Perf. top  Perf. bottom								(KIND)
Parm   Delton W. Cox   Acres   75								Packova
Location (waters)   Slab Creek   Size   Wall No.   District   Union   County Ritchite   13   15   15   17   17   17   17   17   17					lubing	Drilling	Well	I deners
Well No. 1				cres	Sizo			
District Union				1020 ·				
The surface of tract is owned in fee by Delton W. Cox   Address   Address   Pullman, W. Va.   Address	District Union	1	CountRitchi	€				Kind of Packer
Address Pullman, W. Va.   St. 4 all pipe was left in well   Address   Addr								~
Mineral rights are owned by W. F. COX Heirs						no was lofe	in vall	
Address					as giv	ven on previ	ous recor	a
Drilling commenced   July 20, 1961   2	mineral rights at					† • • • • • • • • • • • • • • • • • • •		Depth set
Drilling completed	Drilling commence				0 0 / 10	21,00	21,00	D 4.4
Date   Shot							2400	_
With								
Open Flow   10ths Water in   Inch		110			Liners Used			•
Cashing Cemented		/10ths Water	in	Inch				Perf. bottom
Volume	•							
Rock Pressure								
Dilate					back to 72	" pipe_150	sks cemen	t 2 aquagel
WELL ACIDIZED FEET INCHES FEET INCHE  WELL FRACTURED 1600 bqrrell water, 10,000 pounds sand  RESULT AFTER TREATMENT 2 barrell a way, 200,000 gas  ROCK PRESSURE AFTER TREATMENT 650 lbs.  Frest Sand Water Feet Salt Water Feet  Formation Color Hard or Soft Top Bottom Oil, Gas or Water Depth Remarks  Black Slate 1716 1716 1773  Sand Broker Sand 1773 1783  Sand Broker Sand Hard 1801 1865  Sand Broker Sand 1901 1933  Dark Hard Lime 1933 1905  Injun Sand Rock 1980 1990  Dark Lime 1990 2010  Slate & Shells Gritty Lime Gray 2068 2145  Weir Sand Hard 2217 2240  Slate & Shells Hard 22217 2240  Slate & Shells Hard 2250 2261  Gray Lime Hard 2250 2261  Ogas 1882 - 1890  Gas 1995 - 1952					COAL WAS E	NCOUNTEREI	) AT	raton FEET INCHES
Sand Broker   1715   1746   1773   1783   1801   1933   1945   1930   1945   1980   1864   1864   1865   1864   1865   1864   1865   1864   1865								•
WELL FRACTURED 1600 bqrrell water, \$\langle 0.000 \text{ pounds sand}\$           RESULT AFTER TREATMENT 2 barrell a blay, 200,000 gas           ROCK PRESSURE AFTER TREATMENT 650 lbs.           Freet         Salt Water         Feet           Feet         Salt Water         Feet           Formation         Color         Hard or Soft         Top         Bottom         Oil, Gas or Water         Depth         Remarks           Black Slate         1745         1748         1773         1783         1801         Sand Booker         1773         1783         1801         Sand Booker         1773         1885         Sand Booker         1991         1933         1801         Booker         1993         1995         Pert Market         Pert Market         Depth         Remarks           Black Slate         1901         1933         1891         Pert Market         Pert	WELL ACIDIZE	D						
RESULT AFTER TREATMENT   2 barrell a day, 200,000 gas		7.600.1	77 .	10.000				
Black Slate   17\(\beta\)   18\(\beta\)   18\(\beta\)   18\(\beta\)   18\(\beta\)   18\(\beta\)   18\(\beta\)   19\(\beta\)	Formation	Color		Тор	Bottom		Depth	Remarks
Sand Broker Sand Broker Sand Hard 1801 Broker Sand Hard 1801 Broker Sand Hard 1865 Sand Hard 1901 Broken Sand Derk Hard Lime Injun Sand Red Rock Dark Lime Slate & Shells Gritty Lime Weir Sand Slate & Shekls Weir Sand Slate & Shekls Weir Sand Slate & Shekls Weir Sand Slate & Shells Slate & Shells Slate & Shekls Weir Sand Slate & Shekls Weir Sand Slate & Shells Slate & Shells Weir Sand Slate & Shells Slate & S			Soft			or Water	Беріп	Remarks
Sand Broker Sand B		te						
Sand   Broker Sand   Hard   1801   1865   1901   1933   1945   1980   1990   1990   2010   2068   2145   2157   2217   2240   2250   2306   2404   2306   2306   2404   2306   2306   2404   245   2404   245   245   2404   245							1	
Broker Sand Sand Broken Sand B		sr.					1	
Sand Broken Sand Dark Hard Lime Injun Sand Red Rock Dark Lime Slate & Shells Gritty Lime Gray Weir Sand Slate & Shells Weir Sand Gray Lime Hard Slate Bard Bard Bard Bard Bard Bard Bard Bard	· · ·	nd	Hard			ċ	MX	
Dark Hard Lime Injun Sand Red Rock Dark Lime Slate & Shells Gritty Lime Weir Sand Slate & Shells Weir Sand Gray Lime Dark Shalb  Gas 1882 - 1890 Gas 1945 - 1952	1			1865	1901	C	5	
Injum Sand Red Rock Dark Lime Slate & Shells Gritty Lime Gray Weir Sand Slate & Shells Weir Sand Slate & Shells Weir Sand Hard Slate & Shells Weir Sand Gray Lime Dark Shale  Gas 1882 - 1890 Gas 1945 - 1952							1	
Red Rock Dark Lime Slate & Shells Gritty Lime Weir Sand Slate & Shells Weir Sand Gray Lime Dark Shale  Gas 1882 - 1890 Gas 1945 - 1952					1945	10	1	
Dark Lime Slate & Shells Gritty Lime Gray Weir Sand Hard Slate & Shells Weir Sand Slate & Shells Weir Sand Hard Slate & Shells Weir Sand Gray Lime Hard Slate & Shells Weir Sand Gray Lime Dark Shale  Gas 1882 - 1890 Gas 1945 - 1952		d				, ,		
Slate & Shells Gritty Lime Gray Weir Sand Slate & Shells Weir Sand Hard Slate & Shells Weir Sand Slate & Shells Weir Sand Hard Slate & Shells Weir Sand Gray Hard Slate & Shells Weir Sand Slate & Shells Weir Sand Gray Hard Slate & Shells Weir Sand Gray Hard Slate & Shells Weir Sand Gray Hard Slate Shells Weir Sand Gray Hard Slate Slate Shells Weir Sand Gray Hard Slate Slate Shells S			1			/,		
Gritty Lime Gray 2068 2145 Weir Sand Hard 2145 2157 Slate & Shells 2157 2217 Weir Sand Hard 2217 2240 Slate & Shells 2250 2261 Gray Lime Hard 2261 2306 Dark Shale 2306 2404  Gas 1882 - 1890 Gas 1945 - 1952		he <b>lls</b>						·
Slate & Shells Weir Sand Slate & Shells Weir Sand Gray Lime Dark Shale  Gas 1882 - 1890 Gas 1945 - 1952			Gray	2068	2145	160		
Weir Sand Slate & Shells Weir Sand Gray Lime Dark Shale  Gas 1882 - 1890 Gas 1945 - 1952	Weir Sand		Hard				1	
Slate & Shells Weir Sand Gray Lime Dark Shale  Gas 1882 - 1890 Gas 1945 - 1952	ı	he <b>lls</b>				10		
Weir Sand Gray Lime Dark Shale  Gas 1882 - 1890 Gas 1945 - 1952			Hard					
Gray Lime Dark Shale  Gas 1882 - 1890 Gas 1945 - 1952			Wam.d			11,		
Dark Shale  Gas 1882 - 1890  Gas 1945 - 1952				2261		R		·
Gas 1882 - 1890 Gas 1945 - 1952		ė	1					
Gas 1945 - 1952								
Gas 1945 - 1952	İ	_	3000 -0-			• *		
								W. S. A. Carrier
		Ull	1707 - 17/	,				
							(w)	
								- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1