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STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION PORM IV-35 (Obverse)

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of @	9	1		9.9	0.			Hinter #I-622	

1979

WELL OPERATOR'S REPORT

(08-1	7 & ,	DR	ILLING.	FRACT	TURING	OF AND/OR STIM	ULATING, OR P	API We HYSICAL CHANGE	No. 47 - 017 - 2. State County Per
WELL TYPE:	011_	/	Gas_X		L1qu1	d Injection	/ Wast	e Disposal	🗸 erest Augustus
									Shallow x /)
OCATION:	Eleva	tion:	8981		1	Watershed:	Carter Can	m Dans	5.52110W
	Distr	ict:	Cove	AND THE COMPANY OF SHIPS		County: Do	ddridge	Quadrangle:	New Milton
ELL OPERAT	OR	Paleo.	Inc.	Description			DESIGNATED	AGENT Mack R	Worl
Addres	5	3022 N	.W. Exp	ressw	ay				86
									ck, WV 26430
ERMITTED W	ORK: J	Drill	X / 0	onver	t	/ Drill de	eper / R	edrill / P	racture or stimulate
							rate new form		ingrease of actualists
								on to a way	
							· everocorphonomorphon	nner die 1900 1804 de 1900 en deur Jeffe, de nocken felter de Standarden en deur jade de nederlande schaft.	magain san salaming an an angain san angain pungang man di terminangan an angan mana an ar ala man
ERMIT ISSU	ED ON	Dece	mhar 2	6	! Q	70	077 0 080 7	NSPECTOR FOR TH	
IP APPLICA									
CONTIN	UOUS PI	ROGRES:	SION FRO	M DRI	LLING	OR	:		SAPE P
			, 19		·	•••		4	. WV
			W. W.	- Communication	ອນທາກຄໍາ	n Chala		622-3871	
								Cable Tools	5175 feet
							,feet.	capte Loots	estation management of the second sec
								n the area? NO	
		- 1 2 M O 12	A Section of Section		area and a second s	9 13	, and complete	ed January 6	name of the second seco
SING AND 7	UBING	PROGRA	M						
SING OR BING TYPE	88 -	8		all and a second	9 10		INTERVALS	CEMENT FILL-U OR SACKS 1 (Cubic feet)	
TEUCTOR			·				211 110 2	1 (Cable leet)	Kinds
esh water	8 5/8					1174	1174	To surface	17.111005
								10 Survace	Sizes
crmediate						The second contract of			31248
duction	45					en jener (del f. f. fen er en fan fen fan fan fan fan fan fan fen fan fan fan fan fan fan fan fan fan fa	5210		Depths set
7 6 5 9 M. Carlotte Company of the Carlotte Company of				1		and the second section of the section of the section of the second section of the	2230		Destine sec
CTS						n die kant für Schwerze (materiere erst zu			Perforations:
						and the control of th	1112	BAR	
				•		and the second s	1		Top Bolton
€ED West (St. St. St. St. St. St. St. St. St. St.	-		NOT THE PARTY OF T			The state of the s		P 2 8 1979	
N PLOW DAT	2 80	7488 (00490019	manara aru, Guralda ja mahara arangan ng pungka kandila	tricker matrice in the manager Edga	erene en		JIL (& GAS DIVISION	And the second of the second control of the
Producin		~ ~ ~ ~				The second of th		. OF MINE	opposite the state of the state
								Pay zone depth	4944 fec:
1382								open flow,	
	N.7W							pen flow,	
200 Aug. 11.	6 d m -							ts, hours	
							measurement)	after hou	
[]f appl									
veruna p	rooucl:	ig iorn	etion_	<u>51k</u>		USEY.		Pay zone depth	
Chemri.	· INIT	do rer	en Ilow		4	_Mcf/d	Dil: Initial	open flow,	Bb2/d
LUMBIN!	in true	ma	ILOW,	_38	4	_mcf/d	Final o	nen flow,	Bb1/d
		1 1100	or obeu	110M	Detwe	en initial :	and final tes	ts, 4 hours	OCT 1 2 1979

States rock pressure. 1800 psig (surface measurement) after 24 hours shut in

[08-78]

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Fractured January 22, 1979

Elk - 40,000 lb. 80/100 sand 60,000 lb. 20/40 sand 855 bls. water 2800 breakdown 31.7 BPM at 1500 lb.

Perforations - 4968 - 5133, 12 holes

Benson - 10,000 lb. 80/100 sand 20,000 lb. 20/40 sand 395 bls. water 2400 lb. breakdown 17.5 BPM at 2000 lb.

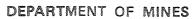
Perforations - 4942, 4942.5, 4943, 4943.5, 4944, 1 hole each

WELL LOO

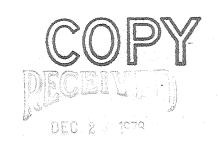
		llard or		Bottom	Remarks Including indication of all fres
FORMATION	Color	Soft	Top Feet	Feet	and salt water, coal, oil and ga
Surface			. 0	75	
Sand			75	80	Water, 2" stream
Shale			80	120	
Sand			120	122	Water
Shale			122	180	
Red Rock			180	191	
Shale		+ 4.	191	281	
Slate			281	304	
Red Rock			304	412	
Shale and a second second			412	622	
Red Rock			622	701	
Sand			701	720	
Shale			720	798	
Red Rock			798	810	
Sand			810	901	
Red Rock			901	929	
Shale			929	1150	
Sand			1150	1240	
Shale			1240	1330	
Sand			1330	L.	
Shale			1390	1390	
Sand			1520	1520	
Shale				1580	
Line		· ·	1580	1870	
Sand			- 1870	1895	
Slate			1895	1920	
Line			1920	1930	
Sandy Lime			1930	2050	
Shale			2050	2068	Show of gas
Sandy Lime			2068	2150	
Shale			2150	2250	
Sand			2250	2350	
Shale			2350	2360	
Sand			2360	2755	
			2755	2765	
Shale	and the second second		2765	2892	
Sandy Shale			2892	2904	
Shale			2904	4075	
Sand	i.		4075	4090	
Shale			4090	4224	
Sand			4224	4230	
Shale			4230	4375	
Sandy Shale	· January State Company		4375	4410	Show of gas
Shale			4410	4712	
Sandy Shale			4712	4728	
Shale			4728	4810	
Sandy Shale			4810	4818	Show of gas
Shale			4818	4938	
Sandy Shale			- 4938	4950	Show of gas
Shale Fegulation 2.02(1)	provides as	:	4950	5064	
Sandy Shaleus:				c.5164 Show	of gas Post
Shale 5164	5311 sell lo		Well Oper		
10 tal uspini mean Whiste	merie, detei	led	—	<i>j</i>	
geologial record o	f all format	ions,		all 1	1. Glore
including coal, en		the .	By / C		
drilling of a well	•	, A \$	Its Cle	und?	



STATE OF WEST VIRGINIA







OK

OH & GAS LIVE OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,	
Charleston, W. Va.	Date December 21, 1978
Surface Owner Joseph Hinter	Company Paleo, Inc.
Address New Milton, WV	
Mineral Owner Joseph Hinter	0.7
Addres New Milton, WV	
Coal Owner None	
Address	
	Quadrangle New Milton 7.5!
Address	, ,
THIS PERMIT MUST BE POSTED AT THE WELL SITE	
drilling This permit shall expire if Deputy Director Oil a Gas Division GENTLEMEN: The undersigned well operator is entitled to drill upon title thereto, (or as the case may be) under grant or lease that the made to Consolidated Gas 19, in Doddridge County, Book96	REDRILLFRACTURE OR STIMULATE
	d by registered mail, or delivered to the above named coal operators day before, or on the Department of Mines at Charleston, West Virginia.
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	Very truly yours, (Sign Name) Well Operator
D O ROY 870	ddress Street of Operator Oklahoma City City or Town
AC-304 - 292-0331	Oklahoma 73112 State
notice and plat by the department of mines, to said proposed local the filing of such plat, that no objections have been made by the colon and the well operator authorized to proceed.	the Department of mines, within said period of ten days from the receipt of tion, the department shall forthwith issue to the well operator a permit reciting oal operators or found thereto by the department and that the same is approved
	47-017-2323 PERMIT NUMBER
"I have read and understand the reclamation requirements as	

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

PROPOSED WORK ORDER TO	OXDRILL	_ DEEPEN FR	ACTURE-STIMULATE			
DRILLING CONTRACTOR: (I	f Known)	RESPONSIBLE AGENT:				
NAME Union Drilling C	Company					
_	IV.					
	PLETED WELL: 5175'					
			CABLE TOOLS			
	RMATION: <u>Devonian S</u> ha					
TYPE OF WELL: OIL	GAS X CO					
	RECYCLING	G WATER FLOO	ODOTHER			
TENTATIVE CASING PROGRA	.M:					
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.			
20 - 16		17 1. 1. 1. 1.				
13 - 10			in the second se			
9 - 5/8						
8 - 5/8	9881	9881	To cumfoco			
7	900.	900.	To surface			
5 ½			- Comput			
A 14		»5175° × 3° ×	110 sks Pozz			
3			Perf. Top			
2			Perf. Bottom			
Liners			Perf. Top			
			Perf. Bottom			
ADDO NIMAMO DO DOUL WAMDE						
APPROXIMATE FRESH WATER	R DEPTHS 110 FEET	SALT WATER	FEET-S			
	S_None					
IS COAL BEING MINED IN TH	HE AREA? No	BY WHOM?				
TO DRILL:						
	S OF OG - 1, \$100.00 PERMIT	TEE DEDECTMANCE DO	ND AND BERMANISMS CORV			
OF PLAT.	, or od - 1, \$100.00 iERMII	TEE, FERFORMANCE BO	ND AND FERMANENT COPY			
TO DRILL DEEPER OR REDRI						
	OF OG - 1, SHOWING ORIGINA					
WELLS DRILLED PRIOR MUST ALSO BE SUBMITT	TO 1929, A PERMANENT COP	Y OF THE PLAT AND TH	HE ORIGINAL WELL RECORD			
MUSI ALSO BE SUBMITT	ED.					
TO FRACTURE - STIMULATE:						
OIL AND/OR GAS WELL O	ORIGINALLY DRILLED BEFORE	E JUNE 5, 1929, FIVE (5) C	OPIES OG - 1, PERFORMANCE			
	T AND ORIGINAL WELL RECO					
OIL AND/OR GAS WELL O	ORIGINALLY DRILLED ON AND	OOR AFTER JUNE 5, 1929	, FIVE COPIES OG - 1, SHOW-			
	UMBER, AND PERFORMANCE B		•			
Required forms must be file	ed within ninety (90) days of cor	unlation for hand valence.	Increator to be notified twenty			
four (24) hours in advance.		inpletion for bolid release.	inspector to be notified twenty-			
		The Control of the Co				
The following waiver must	be completed by the coal operation	for if the normit is to be in	and within ton days of receipt			
the renewing warver andst	be completed by the coal operat	sor it the permit is to be is	sued within win days of receipt			
WAIVER: I the undersigned Ag	ent for	Coal Company Owner	or Operator of the east under			
	ned and place on our mine maps					
	-					
	Coal Company have					
	complied with all rules and regula	tions in Articles 4, 5, and 7,	Chapter 22 of the West Virginia			
Code.						
y the second		For	Coal Company			
			. ·			
			Official Title			