

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION Operator's Well No. Kreyenbuhl #I-641

Dates December 12 , 19 79

FORM IV-35 (Obverse)

[08-78]

WELL OPERATOR'S REPORT!

WELL OPERATOR'S REPORT!!

OF

API Wel No. 47 - 017 - 2495

DRILLING, FRACTURING AND/OR STIMULATING, DR PHYSIJAL CHANGE State County Permit

LL TYPE:	011	/	iasX_	_/ L1	lquid	Injection	/ Wast	e Disposal	_/		
								_/ Deep			
CATION:				100				mp Run	40.4045-00.00	And the second desired in the second	and the second s
	Distri	ct: <u>C</u>	ove	The state of the s	C	ounty: <u>Dod</u>	<u>dridge</u>	Quadrangle:	New	Milton	O Andidos (mas accelerantes Antigos anno sense sense accelerantes aguações de la compansa de la compansa de la
UL OPERATO	or Pal	eo. In	С.				DESIGNATED	AGENT Te	rry Be	onnett	
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ITTED WO	DRK: D	r111 <u>X</u>	/ Co	nvert		/ Drill deep	er P	Redrill/	Pract	ure or stimu	late
	P	lug of i	old fo	rmatic	nn	Perfora	ite new for	mation/			
		and the state of t							www.derroutorous.governous.com	range frame substitutelly microsopherical new real real city weight the contract of the contra	manacolyte (*Oten Hostonii/Sta
RMIT ISSU	ED ON	0	ctoher	4	. 19	70	OIL & GAS	INSPECTOR FOR	THIC	WORK:	
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Work w	as comm	enced .	Nover	<u>mber l</u>	9	, 19 79 ,	and comple	ted	- gazowa na kwa na	. 19 79	IIIIM MAGATO ~
SING AND	TUBING	PROGRA	M								
SING OR .	8.7	SPEC	IFICATI	ons		FOOTAGE	INTERVALS	CENENT FIL	L-UF	PACKE	RS
BING TYPE		Grade	Weight per ft	New	Used	For drilling	Left in w	OR SACK	S et)		Masilia. Masilia
nductor									J	(1nds	
esh water	8 5/	b				1134'	1134'	To surfa		generaturum ya masanin alikulukan manangan generaturum kalikulukan di dalah kalikulukan dalah dalah dalah dalah	
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a commence de la companya de la comp										A Section of the sect	S. O. S. D. M.
e deg distant distant distant tem bel distant di semunia distant di di		·					OIL &	GAS DIVISION		ундания — <u>Бора, укурада — н</u> аневийская курандай устором т. «Молевуу ундеревийс	
	<u> </u>				R		B	. OF MINE		<mark>аўдаў н</mark> егу како с учёні 4 сторованая (1914 м.), кару цара зараду, шалажні (1914 ў.), чалаваў з залага ўс	
EN FLOW DA	TA										
Produci	ng form	mation	Ber	son				Pay zone d	lepth	5093	feet
Ga	s: Ini	itial c	pen flo	W 2		Mcf/d	Oil: Init	ial open flow,	· · · · · · · · · · · · · · · · · · ·	Bb1/d	
	Fir	al ope	n flow,			Mcf/d	Fina	l open flow,		Bb1/d	
1		Time	of ope	n flow	bet	ween initial	and final	tests,h	ours		
St							measuremen	t) after	hours	shut in	
[If app	licable	due t	o multi	ple co	mple	tion]		is a servicina			3 (m)
Second	product	ing for	mation	27/2	Elk	ALGA		Pay zone d	epth .	5309	
Ga	s: Ini	tial o	pen flo	W ,		Mcf/d	Oil: Init	ial open flow,	war-somethics enderen	Bb1/d	
ø	Fir	al ope	n flow,		384	Mc S / G	Fina	l open flow,		Ebl/d	

Time of open flow between initial and final tests, 6 must Signer mark amorning 1750 note formers massimment after 72 (88)

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

Fractured November 28, 1979

613 bbls. water 25 BPM at 1600 lb. 2900 lb. breakdown

Benson - 20,000 lb. 80/100 sand 40,000 lb. 20/40 sand 40,000 lb. 20/40 sand 575 bbls. water 25 BPM at 1500 lb. 2250 lb. breakdown

Perforations - 4864 - 5093, 6 holes

Perforations - 5223 - 5309, 7 holes

VELL LOG

	1	1	The state of the s				
	200000	llard or		Bottom	Remarks		
FORMATION	Color	Soft	Top Feet	Feet	Including indication of all fresh and salt water, coal, oil and as		
Surface					and sait water, coal, cil and as		
Sand			0	91	TO AND THE PROPERTY OF THE PRO		
Shale		a e e e e	91	98	Water		
	1		98	122			
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Red Rock	alawa N		141	209			
Shale	visita etilik ili ili ili ili ili ili ili ili ili		209	229			
Red Rock	nelië vil 🕡		229	521			
Shale	vandering van de state of the s		521	538			
			538	620			
Sand			620	641	2000年1月2日 - 1200年1月2日 - 1200日 -		
Shale			641	798			
Sand		and the second	798	810			
Red Rock	i	į	810	902			
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Red Rock	Commence		1101	1142			
Shale			1142	1300			
Sand			1300	1340			
Shale	44	O'CLING	1340	1362			
Sand	SI/O		1362	1382			
Sandy Shale	MODEL CONTRACTOR		1382	1480			
Sand			1480	1532			
Shale	eri saga Y		1532	1660			
Sand			1660	1710			
Sandy Shale			1710	1820			
Sand	Applied in the legislation		1820	1842			
Shale			1842	2012			
Sand			2012	2012			
Lime			2032	2054			
Sand			2054	2078			
Slate			2078				
Lime			20/8	2085 2225			
Sandy Shale				1			
Shale			2225 2400	2400			
Sand		- Section - Sect	3	2500			
Shale			2500	2518	Show of gas, water, and oil		
Sand	The second of th		2518	3048			
Shale		Karati sali	3048	3058			
Sandy Shale	e de la colonia. Li di gringani a da de la colonia.	itegrafia (1960 – 1858 ± 8 pologo i ostanigo epineeri	3058	4860	and the second s		
Shale			4860	4870	Show of gas		
			4870	4990			
Sandy Shale	00		4990	5100	Show of gas		
	00 521						
Sandy Shale 52							
Shale 52.							
and the second s	50 528		gas	Shale	5312 5449		
Shale 52			er and representation		Depth 5449		
Sandy Shale #461. 530	05 531	12					

OTE: Regulation 2.02(i) provides as	Paleo, Inc.				
fclious:	Well Operator				
ensel mean a cost-matic, detailed () The man a cost-matic, detailed () The pagnet of the formations,	By Mark R Work				
continuous of a well.	Its Agent				

Agent Its

FORM IV-2 (Obverse)	DEPARTMEN'	T OF MINES, OII	L AND GAS DIVISION	Operator's		
[08-78]	OIL AN	D GAS WELL PERI	MIT APPLICATION		Kreyenbuhl #	
		en e		API Well No.	#7 - 017 - State County	Permi
	Oil/ Gas <u>X</u> /				*	
	(If "Gas", Production X /			Continue and who	ellow <u>x</u> /); 2004 (2004 of the con-	. Profes
	Elevation: 1024'		Carter Camp Run			
]	District: Cove	County: Doddr	idge Quadr	rangle: New N	Milton	
WÈLL OPERATOI	R Paleo, Inc.		DESIGNATED AGENT	Terry Bonnet		
	Carita 207 Mar Est Paril	ding		Troy, WV		.21
Aduress.	3022 N.W. Expressway Oklahoma City, OK 731	12				
	Oktanonia City, Ok 731	12			and the second of the second o	
OIL & GAS	ing di kabasan katalog Bala Selat		COAL OPERATOR		AND STATE OF THE STATE OF	
	R C. L. Kreyenbuhl		COAL OPERATOR	None		
Address	New Milton, WV	_	Address			
						Ç
Acreage	176		COAL OWNER(S) WIT	TH DECLARATION	ON RECORD:	
SURFACE OWNER	R John Kreyenbuhl	, h	Name <u>Nonë</u>			<u>:</u>
Address	Leopold, WV		Address			
				OCT 4	1979	
Acreage	176		Name None			
FIELD SALE (1	F MADE) TO:		Address			
Name	N/A			Secretary Secret	MINEE	
Address		-	COAL LESSEE-WITH	DECLARATION ON	RECORD:	4 .
	A second		Name None	<u> </u>		
OIL & GAS INS	SPECTOR TO BE NOTIFIED		Address			
Name	Paul Garrett					
***************************************	Clarksburg, WV					
	622-3871					
	022 3372					
The	undersigned well operator	is entitled to	operate for oil c	or gas purnoses	at the above	
location unde	er a deed/ lease <u>X</u>	_/ other cont	ract/ dated	October 19	, 19 <u>_73</u> , to	tibe
ındersigned w	well operator from <u>C</u>	onsolidated G	as Supply Corpora	tion		
If said deed	l, lease, or other contract	has been recor	ded:]		· · · · · · · · · · · · · · · · · · ·	
Recorded on _	, 19, ir	the office of	the Clerk of the	County Commiss	ion of <u>Doddric</u>	lge
	Virginia, in <u>Lease</u>					
	WORK: Drill X / Drill d					
	Plug off old format					
	Other physical char					
_ ++	* ************************************					
	planned as shown	on the work or	der on the reverse	e side hereof,		
	above named coal operator,				ified that any	
	y wish to make or are requi				*	
	in fifteen (15) days after	the second of the	ware, in the		and the second s	1 sá
	ies of this Permit Applicat					
	mail or delivered by hand					
on or before	the day of the mailing or d	delivery of thi	s Permit Applicati	on to the Depa	intment of Mine	S.M.L.
Charleston, W	lest Virginia.			7 - -		
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ECT VIRGINIA	OIL AND GAS		Paleo, Inc.	Well Operator		
.015 WASHINGT	TION COMMISSION TON STREET EAST	KET BUND			17	
HARLESTON, W		Figure 18 and 18	y Mack	R. Wo	rl	
endensione (30%1 348-3092	₹	aust		-	-



PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:

ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CON	NTRACTO	R (IF	KNOWN)			Union Drill	ing, Inc.	- Anna anna anna anna anna anna anna ann		•
				Addre	ess	Drawer 40				
					·	Buckhannon,	WV 26201			
GEOLOGICAL T	ARGET	FORMAT	TON		Dev	onian Shale				
•								Rotary X /	Cable tools	,
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								ained in the area	yo Vez	/ No Y
• • • • • • • • • • • • • • • • • • •								and the place		, 113 <u>X</u>
CASING AND T	UBING 1	PROGRA	M						v.	
CASING OR TUBING TYPE		1	IFICATI Weight	100	1	FOOTAGE	8	OR SACKS		
	Size	Grade	per ft	New	Used	For drilling	Left in wel	(Cubic feet)		192 -
Conductor									Kinds	
Fresh water	8 5/8				 	1100'	1100:	To surface		
Coal			·						Sizes	
Intermediate										
Production	4½						5100	160 sks	Depths set	
Tubing	,									
Liners									Perforation	ns:
									Top	Botton.
NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (ii) Form IV-2, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the see required by Code § 22-4-12a, and (v) if amplicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well. A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing specific is to be part of the work for which a permit is sought and is noted as such on the form IV-2 filed in connection therewith. All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations lowe not commence by 6-5-80										
0	aputy Dir	ector - (Oil & Ga	s Divisi	on	and the state of t				
The location has well location the work prop	under examin, the osed to	essee issued signed this well looke de	who has within coal c s propo ocation	s reconfift operat osed with has this	orded een (a declaration (15) days of the MAIVE of the control	n under Code rcceipt there less a mine map mine map fi, the well	tor and by any engine of: ee/ of the devists which cover the undersigned in the contract of the contract o	he permit coal under t ers the area has no objec	of the tion to
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