

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

Date September 19 . 1979

PORM IV-35

Operator's
Well No. Riley #I-623

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[08-78]	t	on the strict	u grason gm	49. K P9779 81		Alle STRO		API Wel	No. 47 - State Con	<u>U17 - 245</u> unty Perm
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								Run		
I	Distri	ct: <u>C</u>	ove	WATER STATE OF THE	C	ounty: <u>Dodd</u>	ridge Q	uadrangle: <u>Ne</u>	w Milton 7.5	
is in the order of	~ 5	3 3"					DESTRUCED AC	THY Tomas Doma	2 ~ fr &	
							DESIGNATED AG	ENT <u>Terry Boni</u>	ierr —	vanasumas representationes e transpolitificationes
Address	30	22 N.W	<u>Expre</u>	ssway	7	wysionia-daudisticus www.ww.undecommission	Address	Troy, WV		
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CONTINUO CONTINUO						OR		ul Garrett		
						CD .	Address	<u>Clarksburg</u>	_WV	
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OLOGICAL T	ARGET	FORMAT	ION:	Elk				Depth	<u>00 </u>	eet
								Cable Tools		
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						and the second s				70
Work wa:	s comm	enced .	Augus	<u>st 21</u>		, 19 <u>/9</u> .,	and completed	August 26	2 5 7 1	Self-self-self-self-self-self-self-self-s
SING AND TO	IRTNG	PROGRA	M							
SING OR 1				OBS	8	FOOTAGE	INTERVALS	CEMENT FILL-U	=8 PAC	KERS
BING TYPE		9	Weight	ĝ.			<u>a</u> .	OR SACKS		
AND CONTRACTOR OF THE PROPERTY	Size	Grade	per it	New	Used	ror drilling	Lert in well	(Cubic feet)		angelia palita e e egenal gal e quelcia e a servicilità a e esta della esta della esta della esta della esta d
nductor			in the second se						Kinds	pulse processing and all the second of the s
esh water	8.5/	<u></u>				1218	1218	To surface		
8 1									Sizes	an abhlachan, ear aggirte talaidh tha ann a' mhairtean
termediate	especially and the same of									
eduction	41/2	Smls	9.5	Х			5550		Depths set	
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7275	ana anang an migarkarkark) an ikanjiki promunajih								Perforations	ş:
Committee of the Commit	and the second s		*****				• • • • • • • • • • • • • • • • • • • •		11	Bolton
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EN FLOW DAT	`A						Cil &	GAS DIVISION		
Producin			* - 1	3 1			FT.	OF MINES	5220	fec:
				2				ray zone debe.	7.1/2	
Gas								open flow,		
	Fir							pen flow,		
		Time	of ope	n flo	w beti	ween initial	and final tes	ts, hour:	5	
- Sta	tic re	ock pre	ssure,		p:	sig (surface	measurement)	after ho		
[If appl	icable	e due t	o multi	ple c	omple:	tion]				
Second n	roduc'	lng for	mation		Elk	alev.	•	Pay zone depti		
						-		open flow,	* *	. ,
COMBINE	0 all.		w . 62	-e p	050	Mar 12	- (cm)	nen flow	. Sh1/A	<u>)</u>
COMPTIAE)	r'li							pen flow,		
		Time	of ope	n flo	w beti	ween initial	and Tinal tes	ts, $\frac{4}{2}$ hours	OCT	1 2 1979

States mark procesure 1800 petr (surface measurement) after 24 hours shut in

[08-78]

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

Fractured

Elk - 20,00 lb. 80/100 sand 40,000 lb. 20/40 sand

alex.

Leopold - 20,000 lb. 80/100 sand 40,000 lb. 20/40 sand

Beroon

Perforations - 5345, 5361, 5362, 5399, 5400, 5434, 5435, 1 hole each

Perforations - 5217, 5217.5, 5218, 5218.5, 5219, 5219.5, 5220, 1 hole each

WELL LOG

FORMATION	Color	Hard or Soft	Z Top Feet	Bottom Feet	Remarks Including indication of all franchist water, coal, oil and		
Surface			0	100	The state of the s		
Shale			100	108			
Sand			108	112	Tel		
Red Rock			112	142	Water		
Shale			142	209			
Red Rock			209	242			
Shale			242	608			
Red Rock			608	642			
Sand			642	663			
Shale			663	810	······································		
Sand			810	826	· · · · · · · · · · · · · · · · · · ·		
Red Rock			826	864			
Shale	and the same of th		864	1270			
Sand	Dologovers		1270	1285			
Shale			1285	1425			
Sand			1425	1478			
Shale		SS COLUMN	1478	1510			
Sand		WASTER 1	1410	1520			
Sandy Shale		200	1520	1960			
Sand	of the state of th		1960	1990	Show of gas		
Shale			1990	2145	Show of gas		
Line			2145	2170			
Sand			2170	2192	Show of gas		
Slate	tion-mage		2192	2200	Ollow OI gas		
Line			- 2200	2250			
Big Injun			2250	2340	3210 - 2330, show of gas		
Sandy Shale			2340	2540	220 - 2350, Show of gas		
Shale			2540	2620			
Sand	· ·		2620	2636	Show of gas		
Shale	**		2636	2840			
Sand			2840	2850	Show of gas		
Shale			2850	3120			
Sand			3120	3134	•		
Shale			3134	3470			
Sandy Shale			3470	3730			
Shale	and the second	-	3730	4180			
Sandy Shale Shale			4180	4240	Show of gas		
			4240	5210			
Sandy Shale			5210	5224	Show of gas		
Shale			5224	5340			
Sandy Shale Shale			5340	5450	Show of gas		
(# 1/2 # 1/2			5450	5586			
Total Depth			5586				

Population 1.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geologial record of all formations, including coal, encountered in the drilling of a well."

Paleo, Inc.

Well Operator

R. Worl

Lagran James		• •			ge*
FORM IV-2	ACDAR ACTAR	STATE OF WEST	r VIRGINIA DIL AND GAS DIVISION	Date: July 20	, 19_7
(Obverse [08-78]		L AND GAS WELL PE		Operator's Well No. <u>Riley</u> #I-6	23
	···			API Well No. 47 - 017	72459
	11/ Gas X /				
(1	f "Gas", Production	<pre>V Undergroun</pre>	d storage/ De	eep/ Shallow_X/	7)
OCATION: E1	evation: 1244'	Watershed:	Carter Camp Run		
Di	strict: <u>Cove</u>	County: Do	oddridge Quadi	rangle: <u>New Milton 7.</u>	51
ELL OPERATOR	Paleo, Inc. Suite 205, May-Ex	Dui Ldina	DESIGNATED AGENT	Terry Bonnett	
Address _	3022 N.W. Expressy	vay	Address Tr	coy, WV	
****	Oklahoma City, OK	73112	en e		
IL & GAS DYALTY OWNER	Edith Riley, et al		COAL OPERATOR	1	•
	Leopold, WV		Address		-
			accusation of the contraction of		3
Acreage	100.96		COAL OWNER(S) WIT	TH DECLARATION ON RECORD:	•
	Edith Riley		Name		
	Leopold, WV		Address		
Acreage	100.96		Name		AND THE COLUMN TWO AND THE COLUMN TWO IS NOT
ELD SALE (IF			Address		
.me				Andrew Commence of the Commenc	
Address		· ·	COAL LESSEE WITH	DECLARATION ON RECORD:	-
			Name		
L & GAS INSPE	ECTOR TO BE NOTIFIED		Address	MEGERAL	
me	Paul Garrett			33	
Address	Clarksburg, WV	with the second	WALSON PORTER	JUL 2 6 1979	-
	622-3871			OIL & GAS DIVISION	1
***************************************	() in to () () in			DEPT. of MINI	manus differen
The u	ndersigned well operat	or is entitled t	o operate for oil o	r gas purposes at the abo	ove
cation under	a deed/ lease	X other con	tract/ dated	<u>July 6</u> , 19 76,	, to the
dersigned wel	l operator from <u>Edit</u>	ch Riley, et al			•
f said deed,	lease, or other contro	ict has been reco	rded:]		
corded on	, 19,	, in the office o	f the Clerk of the	County Commission of Do	ddridge
inty, West Vi	rginia, in <u>Lease</u>		at page <u>575</u> . A	permit is requested as f	2011rwa:
PROPOSED W	ORK: $Drill X / Dril$	l deeper/ R	edrill/ Fractur	re or stimulate /	
	Plug off old for	mation/ P	erforate new formati	ion/	
	Other physical o	hange in well (s	pecify)		
					-
	planned as sho	own on the work o	rder on the reverse	side hereof.	
. The at	bove named coal operat	or, coal owner(s), and coal lessee a	are hereby notified that	any
ection they w	wish to make or are re	quired to make by	y Code § 22-4-3 must	t be filed with the Depar	'tment
Mines within	fifteen (15) days aft	er the receipt o	f this Application b	y the Department.	
Copies	s of this Permit Appli	cation and the e	nclosed plat and rec	clamation plan have been	mailed
registered ma	ail or delivered by ha	and to the above :	named coal operator,	, coal owner(s), and coal	-less

or before the day of the mailing or delivery of this Permit Application to the Department of Mines at rleston, West Virginia.

ASE SUBMIT COPIES OF ALL PHYSICAL LOGS DIRECTLY TO:

T VIRGINIA OIL AND GAS CONSERVATION COMMISSION WASHINGTON STREET EAST REESTON, WV 25311

EPHONE: (304) 348-3092

BLANKET BOND

Well Operator

[08-78]



PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY: . . ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

RILLING CON	NTRACTO	R (IF	KNOWN)	Un	ion	Drilling, Ind		and the second s		٠.
				Addre	ss	Drawer 40		The state of the s		
						Buckhannon,	WV 26201			
EOLOGICAL T	ARGET	FORMAT	ION,	E1k		· .				
Estimat		th of	complet	ed we	11, _	5400	feet	Rotary X /	Cable too	ls/
Approxi	mate w	ater s	trata d	epths	: Fr	esh, 130 f	eet; salt	,feet,		
Approxi	mate c	oal se	am dept	hs: _			coal being m	ined in the area	? Yes	_/ No_X/
ASING AND T	'UBING	PROGRA	M							
ASING OR UBING TYPE	SPECIFICAT:					FOOTAGE	INTERVALS	CEMENT FILL-UP		PACKERS-
					Used	For drilling	Left in wel	OR SACKS 1 (Cubic feet)		, Ç
onductor									Kinds	The state of the s
resh water	8 5/8	<u> </u>				8501	850'	To surface		energy over the
oal									Sizes	
ntermediate										verdenne verden er v
roduction	41/5						5400	160 sks	Depths se	et
ubing	,									2000S1 A
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there application of the control of	of the cable to cable to cable to cast of fractured as IIS PERM	other to the caid or requir the pr separa ring o such o MIT MU ons bei	securit reclamon the solution of the solution of the Form of the FST BE Post of the last o	ty allition Time who ode § well. IV-2 latin orm I OSTED	lowed requestly. 22-4 shalf g is V-2 All to be with the shalf g	by Code § 22- ired by Code the fee requi- 1-8a from the 1 not be requi- to be part of iled in conne HE WELL SITE h Chapter 22, reby approved	-4-2, (iii) P \$ 22-4-12b ar red by Code S owner of any ired for fra the work fo	d by Regulation Form IV-9, "Reclind Regulation 23 \$ 22-4-12a, and water well or deturing or stimulation which a permit with.	nmation Pi , (iv) uni (n) if any welling w lating a	lan", less olicable, ithin well
y	Alignation of the Contract of	Lancasi Lancasi de Lancas	q! comme	-		t shall expire if -27–80				
·	oerdi (5. COMMINE 2	ncea s 9	7	The state of the s				
or	coal l	essee	who has	reco	orded	a declaration (15) days of t	n under Code receipt there	tor and by any co § 22-4-20, if the eof:	cal owner ne permit	
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cation has all location e work prop	examing, the posed t	ed thi well l o be d	s propo ocation ione at	sed von has this	vell been loca	location. If added to the tion, provided	a mine map of mine map. The well of	exists which cover the cover the undersigned in the component or has component on the component of the course with the course of the cover the cov	ers the ar	rea of the Jection to
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