

916- CONINGS

## Dates December 19 , 1979 STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION Operator's PORM IV-35 Well No. Cole #2 (Obverse) WELL OPERATOR'S REPORT 2 3 47 API Wel No. [08-78] State County Permit DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE / Gas X / Liquid Injection / Waste Disposal / (If "Gas", Production X / Underground storage / Deep / Shallow X /) Elevation: 1238' Watershed: Fallen Timber TION: County: Doddridge Quadrangle: Vadis District: Cove DESIGNATED AGENT Terry Bonnett OPERATOR Paleo, Inc. Address Suite 207, May-Ex Building Address Troy, WV 3022 N.W. Expressway Oklahoma City OK HTTED WORK: Drill X / Convert / Drill deeper / Redrill / Practure or stimulate Plug off old formation / Perforate new formation / Other physical change in well (specify) OIL & GAS INSPECTOR FOR THIS WORK: MIT ISSUED ON October 24 \_, 19<u>\_79</u> PPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED Name \_\_\_\_ Paul Garrett Clarksburg, WV 26301 REWORKING. 622-3871 , 19\_\_ Depth 2428 Seet. LOGICAL TARGET FORMATION: Big Injun Depth of completed well, 2515 feet Rotary X / Cable Tools Water strata depth: Fresh, 92 feet; salt, feet. None Is coal being mined in the area? No Coal seam depths: . 19 79 Work was commenced October 29 , 1979 , and completed December 9 ING AND TUBING PROGRAM CEMENT FILL-UP OR SACKS SPECIFICATIONS FOOTAGE INTERVALS PACKERS ING OR ING TYPE Weight Used For drilling Left in well (Cubic feet) ductor Minds 8 5/8 913 913 To surface sh water Sizes ermediate 24791 130 sks 41/2 Depths set duction ing Perforations: 990 5 2 إلياتي OIL & GAS DIVISION N FLOW DATA DEPT. OF MINES Big Injun Pay zone depth 2428 Producing formation fee: Mcf/d Oil: Initial open flow, \_\_\_\_Bb1/d Gas: Initial open flow, \_ Final open flow, < 480 Mc f 7 th Final open flow, Time of open flow between initial and final tests, 4 hours Static rock pressure, 600 psig (surface measurement) after 48 hours shut in [If applicable due to multiple completion -- ] o and Edica feet. Second producing formation Pay zone depth Gas: Initial open flow, Mcf/d Oil: Initial open flow, Bb1/d Mcf/d Final open flow, Final open flow, Time of open flow between initial and final tests, \_\_\_\_\_ nours

08-78]

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

Fractured December 19, 1979

Big Injun - 50,000 lb. 20/40 sand 1600 lb. breakdown 670 bbls water 22.3 BPM at 1850 lbs.

Perforations - 2356, 2357, 2358, 2394, 2395, 2396, 2426, 2427, 2428, 1 hole each

ELL LOG

FORMATION	Color	Hard or Soft	7.7 Top Feet	Bottom Feet	Remarks Including indication of all fres and salt water, coal, oil and a
Surface			0	88	
Sand			88	92	Water
Shale			92	108	HER CCT
Sand			108	111	Water
Red Rock			111	129	
Shale			129	208	
Red Rock	Mask and a		208	241	
Shale			241	408	
Red Rock			408	429	
Shale			429	621	
Sand			621	649	
Shale	,		649	811	
Red Rock			811	862	
Shale		Water Land	862	1080	
Red Rock	·		1080	1120	A STATE OF THE STA
Shale	er a server		1120	1480	
Sand			1480	1521	Marthur de Carlos de
Shale	4		1521	1629	
Sandy Shale			1629	1701	
Shale Shale		4.70	. 1	2240	
Lime			1701		
and the control of th			2240	2250	
Sandy Lime Slate	2000-6		2250	2292	
		The state of the s	2292	2298	
Lime		and the second	2298	2350	
Sand	100	· Strenge	2350	2366	Show of gas
Lime			2366	2390	
Sand			2390	2404	Show of gas
Lime	SC Addison		2404	2428	
Sand 8 C	Mercanism and a second a second and a second a second and	No.	2428	2442	Show of gas & oil
Shale		Negotia de la constanta de la	2442	2515	
Total Depth			2515		
			- Management		
			·		
				- Deliver	
		Assa Lind	1	and the second	
		99			

(Attach separate sheets to complete as necessary,

Paleo, Inc.
Well Operator

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NOTE: Regulation 2.02(i) provides as follows:

"The t.v. 'Isg' or 'well log' shall mean a systematic, detailed geologial record of all formations, including scal, encountered in the drilling of a 1'-11."

AND	QAG	WELL	PERMIT	Λ	PPI.	TOA	TIC	)]]

Date: _	October	22	· · · · · · · · · · · · · · · · · · ·	19 79
Operato:	~ -	#2		

Well No		Cole	#2		
API Wel	l No.	47		017	-2520

	043 / Cup V /				API Well No.	47 - 017 -2520 ate County Form
	011/ GasX/	71 . 3				V ()
	(If "Gas", Production X /				, in the second	(CW
	Elevation: 1238'					
1	District: <u>Cove</u>	County: Do	oddridge	. Опа	drangle: <u>Vadis</u>	
WELL OPERATOR	R Paleo, Inc.		DESI	GNATED AGEN	Terry Bonnet	t '
Address	Suite 207, May-Ex Build	ling ·		Address	Troy, WV	
•	Oklahoma City, OK 7311	12				
OTT & GAS				. •		
OIL & GAS ROYALTY OWNER	R Ava Ross		COAL	OPERATOR _	None	
	Route 3, Box 95			Address		
	Salem, WV 26426	-		encourage and a second		
Acreage	89		COAL	OWNER(S) W	ITH DECLARATION ON	RECEBO 4
SURFACE OWNER	R <u>George Adrian</u>	and the second s	Name	N	one San	322
Address	Troy, WV			Address	• OCT 25	1979
-						2
Acreage	89		Name	None	OIL & GAS I	WHIE
FIELD SALE (I	F MADE) TO:			Address		
Name	N/A					
Address		-	COVI	LESSEE WIT	H DECLARATION ON R	ECORD:
			Name	None_		
OIL & GAS INS	PECTOR TO BE NOTIFIED			Address		
Name	Paul Garrett			·		***************************************
Address	Clarksburg, WV			<b>₹</b>		
	622-3871					
The	undersigned well operator	is entitled	to opera	ate for oil	or gas purnoses a	t the above
location unde	radeed / lease <u>x</u>	_/ other co	ntract _	/ date	d August 28,	19_79, to the
undersigned w	ell operator from <u>M. Ava</u>	nelle Ross	and Jam	es Ross		•
[If said deed	, lease, or other contract	has been rec	orded:]	* * *		
Recorded on _	August 28 , 19 79 , in	the office	of the C	Clerk of the	e County Commissio	n of Doddridge
County, West	Virginia, in <u>Lease</u>	Book110	at page	385	A permit is reque	sted as follows:
PROPOSED	WORK: Drill x / Drill d	ceper/	Redrill_	/ Fract	ture or stimulate_	
	Plug off old format	ion/	Perforat	te new form	ation/	
	Other physical chan	ge in well (	specify)	)		
		*	<del> </del>			
	planned as shown					
	above named coal operator,					
	y wish to make or are requi				•	
	in fifteen (15) days after					
-	ies of this Permit Applicat				and the second s	w
	mail or delivered by hand					
	the day of the mailing or d	elivery of t	his Perm	nit Applicat	tion to the Depart	ment of Mines at
Charleston, W	est Virginia.					

PREASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
LOVE WASHINGTON STREET EAST
CHARLESTON, WV 25311

: UMBERONE: (304) 344-1

SLAME KUND

Paleo, Inc. Well Opening

Track Proces

## PROPOSED WORK ORDER

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

DRILLING COM	ITRACTO	R (IF	KNOWN)		Robins	on Drill	ing		
					Tanne				
2 - 2		Partie.						· .	•
GEOLOGICAL T									0.1.5° 4.2.3.2 V
•		1							Cable tools X /
								t, feet,	a? Yes/ No_X_
Approxi	mate c	oar se	am dept	115. <u> </u>	vone	3.7	roat nerug i	withouth the old	g: 165/ HUK
CASING AND T	UBING	PROGRA	M						
CASING OR TUBING TYPE	Size	9	Weight per ft	9			INTERVALS Left in well	CEMENT FILL-U OR SACKS ll (Cubic feet)	P PACKERS
Conductor									Kinds
Fresh water	10 3/	tı.				300	300	To surface	
Coal									Sizes
Intermediate								·	
Production	41/5						2820	100 sks	Depths set
Tubing									
Liners					· · · · · · · · · · · · · · · · · · ·		·		Perforations:
						· · · · · · · · · · · · · · · · · · ·			Top Bottom
			1					Control of the Contro	
previ the co 200 fe where	ously ponsent of A fracti	paid o requit the pr separa cring o	n the s red by ( roposed ate Form or stime	ame wel Code § 2 well. n IV-2 : Lating	l, the 22-4-8a shall no is to l	fee requi from the ot be req be part o	red by Code owner of an uired for fr f the work f	y water well or eacturing or stin or which a permi	(v) if applicable, dwelling within nulating a well
	1.15						ection there	ewith.	
			accorda: he locafic						
for	Drill:	ing	ingo 1	s permit s	hall expir	re if			
operati <b>s</b>			nmenced	by 6-2	6-79	neumolitakustus.			
Th or	e foll coal	owing lessee	who ha	must be s recor	ded a d	leclaratio	ne coal opero on under Code receipt the	ator and by any e § 22-4-20, if reof:	coal owner the permit
····		. 1. *	-	1 - 2 1 2	<u>W</u>	YAIVE	<u>R</u>		
location has well locatio the work pro	examin, the	ned th well to be	is prop locatio done at	osed we n has b this l	ll loca een add ocation	ition. If led to the n, provide	a mine map mine map.	exists which co	coal under this well vers the area of the has no objection to mplied with all
					Type - Kimisha	estatorio de la companio de la comp La companio de la co			
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te:			. 13						273 <sub>1,1</sub>
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