F	Plot Log_i Ca	ard CSDA	Mflm				10/21/16	E
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					561307			•
-2				7/2	S. Whi	h Ool		00
					797.	vhite oak		Ä
					•	263.4		킲
-	M. 55. 88N						Octo.	ONG
-3	ook in			L' Co	٠.	:		.
	Block of	F A	1 000	e e	(E)		_ /.	Hickory
	, b y	E. M	1. BOGO	<i>ශ</i> න (10.74	15	D Your	4
		Acasco			\rightarrow	24 (CA)	6019	
	*	Well No 104 (Plugged)	9 4 1)	-/	E CO	- W/ 6	55
	Dogwood a	•				45	0 56 10	£
)	Walter Bo	99 8	65	
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1			Minimum Error of Cle	Jin 200				1 -
			Source of Elevation	USGS elev in road	1500' NE	<u> </u>		
							:	
Fr	acture		I, the undersigned, he ledge and belief and s	hows all the informs	tion required	by parag	raph 6 of th	e rules
N	ew Location		and regulations of th	e oil and gas section	7		or west A	rgma.
	rill Deeper	,	Map No.	Signed: Squares:	MASSO N S		w	ىيە
A	bandonment	.LJ						
	Company Pal	'80, /nc.			E OF WES			
	Address <u>May-E</u>				AND GAS	DIVISI		
F	FarmE.M.	Boggs Uahn	Boggs	•	CHARLES	NOIS	•	
T	FractAcre	es <u>398</u> Lease	e No	WELL	LOCA	TION	MAF	
V	Well (Farm) No. 2	<i>ileo No. 1</i> Seria	l No.	70.7				excellent room
E	Elevation (Spirit Lev	vel) <u>852</u>	SUBJV		vo GIL-			- Partie Colonial
)uadrangle <u>Norm</u>	pantown 7/2	Glanville 15	-	MERLY GI			Approximately be the
(County <u>Gilmer</u>	District _	Cantar	+ Denotes lo Topographic	cation of w Maps, scale	1 to 62,	mieu State 500 latitud	le
22	Engineer MA			Topographic and longitud	e lines be	ing repr	resented b	y
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I	G - Oct. 18. 1976	Scale 💯	500		- 4	1 02	. !	

RASCO BOO 5-76 MC4793. 1900 13: TOWN TOWN NORMANTOWN SHEEL 1 80 AUG 5 1977

Quadrangle Normantown 7½



STATE OF WEST VIRGINIA

DECEINED

DEPARTMENT OF MINES

)il	and	Gas	Division	
	WELL	RE	CORD 13	

K	B U		ACM	
	OCT	1 8	1977	
OIL DEF	& GA	S DI	vision MINES	;

Rotary X	Oil
Cable	Gas X
Recycling	Comb
Water Flood	Storage
Disposal	(Kind)

Permit No. <u>Gi1-286</u> 5			Water Floo Disposal	d Storage
Company Paleo, Inc. Address Oklahoma City, Okla. Farm E. M. Boggs Acres	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Farm E. M. Boggs Acres Location (waters) Crooked Fork Well No. 1-366 Elev. 856 KB District Center County Gilmer	Size 20-16 Cond.			
The surface of tract is owned in fee by John Boggs Address Perkins, W. Va.	13-10" 9 5/8 8 5/8	239	239	to surface
Mineral rights are owned by E. M. Boggs Hrs. Address Perkins, W. Va.	7 5 1/2	233	233	to surface
Drilling Commenced 8/1/77 Drilling Completed 8/5/77	4 1/2	2290	2290	110 sks.
Initial open flow 20 mcf cu. ft. 0 bbls. Final production 2 cu. ft. per day 0 bbls. Well open hrs. before test RP.	Liners Used			
Well treatment details: Well Frac 8-26-77 Perforated at 2228 to 2244, 9 holes 30 thousand 1b of 20/40 sand	Attach copy of c	cementing reco	ord.	
725 Bis of water	· · · · · · · · · · · · · · · · · · ·			

Perforated at 2228 to 2244,	9 holes
30 thousand 1b of 20/40 sand	
725 Bls of water	
500 gal of acid	
Rate 19 BPM at 800 lb	

Coal was encountered at	None	Feet_	Inches	
Fresh water	88 ft	Feet	Salt Water	Feet
Producing Sand	Big Injun		Depth 2228 to 2244	. I'ect

Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water * Remarks
Sand	0	23	
Shale, Sandy	23	120	• '
Sand	120	155	
Shale	155	250	
Sand	250	270	
Shale	270	342	
Sand	342	378	
Shale w/sand stringers	378	790	
Sand	790	807	
Shale	807	843	
Sand ·	843	882	
Shale	882	915	
Sand	915	1024	
Shale	1024	1091	
Sand w/shale stringers	1091	1320	
Shale	1320	1550	
Sand	1550	1574	
Shale	1574	1740	
Sand	1740	1756	
Shale	1756	1880	
Sand	1880	1892	
Shale	1892	1944	
Sand	1944	1992	
Shale	1992	2030	

(over)

^{*} Indicates Electric Log tops in the remarks section.

Formation Color Hard or Soft	Top Feet 13	Bottom Feet	Oil, Gas or Water	* Remarks
Limestone Shale Limestone B. INJUN Shale	2030 2068 2080 2250	2068 2080 2250 2291 2291	Total Depth	
·				
		.*		
		·		
			10-14	77

APPROVED Date Agent (Title)



STATE OF WEST VIRGINIA

OCT 21 18/6

DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES.	•		; ~ C	4 4
Charleston, W. Va.	DATEOC	tober 21, 19	/6 - 	,
Surface Owner John Boggs	Company	Paleo, Inc.	•	
Address Perkins, W. Va.	• •	y-Ex Bldg., (The second secon	Okla 7
Mineral Owner E. M. Boggs Heirs	4	Boggs		
Address Perkins, W. Va.				
		aters) Crooked		8521
Coal Owner		-366		
Address	District	enter	Count	y 411111C1
Coal Operator	Quadrangle	NOTMAN LOWN	/ 2	
Address Address AT THE WHEEL CITE	· .			
RMIT MUST BE POSTED AT THE WELL SITE			• • • • • • • • • • • • • • • • • • • •	
visions being in accordance with Chapter 22,				
W. Va. Code, the location is hereby approved	THENDAMA			
rilling	INSPECTOR	ED Paul Go	odniäht	
	TO DE MOTTET			·
ons have not commenced by 2-21-77	ADDRESSSn	nithville. W.	Va.	
hobot h les				
uty Director - Oil & Gas Division	PHONE <u>477-2</u>	2455	ar syl an k	Substitute of the
GENTLEMEN:	e en wer were en op		and the second	
The undersigned well operator is entitled to drill up title thereto, (or as the case may be) under grant or leading to	ease dated <u>Jan. 5</u>	orded on the	<u>906</u> by <u>E</u> .	M. Boggs
title thereto, (or as the case may be) under grant or leading to Hope Natural Gas 19 in Gilmer County, Book 60	ease dated <u>Jan. 1</u> 5 Co. and rec	orded on the	9 <u>06</u> by <u>E.</u> day	M. Boggs
title thereto, (or as the case may be) under grant or leading to Hope Natural Gasting in Gilmer County, Book 60 NEW WELL DRILL DEEPER	ease dated	orded on the	9 <u>06</u> by <u>E.</u> day	M. Boggs
title thereto, (or as the case may be) under grant or leading to Hope Natural Gas 19 in Gilmer County, Book 60	ease dated	orded on the	9 <u>06</u> by <u>E.</u> day	M. Boggs
title thereto, (or as the case may be) under grant or leading to Hope Natural Gasting in Gilmer County, Book 60 NEW WELL DRILL DEEPER OIL AND GAS WELL ORIGINALLY DR The enclosed plat was prepared by a registered engi	ease dated Jan. 5 5 Co. and rec Page 2 REDRI ILLED BEFORE JUN	1 orded on the	906 by E. day	M. Bogg: of STIMULA
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the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved

س*مه*: GIL-2755

47 021

PERMIT NUMBER

GIL-2865 -

and the well operator authorized to proceed.

Signed by 2

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

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

PROPOSED WORK ORDER TO DRILLING CONTRACTOR: (If I			
	NOWD)	RESPONSIBLE AGEN	
			ert Jones
ADDRESS Smithville, W.	Va.		d Fork. W. Va.
TELEPHONE 477-2222	•	TELEPHONE 462	-8366
estimated depth of compli	ETED WELL: 1900		CABLE TOOLS
proposed geological form	ATION: Big Injun		
Type of well: OIL_	GAS _×	COMB STORAC	GE DISPOSAL
			LOODOTHER
	C.		
TENTATIVE CASING PROGRAM			
CASING AND TUBING	USED FOR	LEFT IN	CEMENT FILL UP
SIZE	DRILLING	WELL.	OR SACKS - CUBIC FT.
0 - 16 3 - 10			
3 - 10 3 - 5/8			
- 5/8			
- 5/8	215	215	75 - circulate
У.			
	1900	1900	100 sacks
			Perf. Top
iners			Perf. Bottom
118.18			Perf. Top
			Perf. Bottom
S COAL BEING MINED IN THE	AREA? No		
S COAL BEING MINED IN THE	AREA? No	and the state of t	A service service of the first
S COAL BEING MINED IN THE TO DRILL:	AREA? No	and the state of t	The state of the s
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Official Title

and the well operator authorized to proceed.

proced.

"I have read and understand the reclamation requirements as set forth in Chapter 22. Article 4, Section 12-b and will carry out the specified requirements."

Signed by 15. 12.



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

Oil and Gas Division

A LECONOMICA STORY OIL AND GAS WELL PERMIT APPLICATION

Charleston, W. Va.	DATE July 12, 1977
face Owner John Boggs	Company Paleo Inc.
Perkins. W. Va.	Oklahoma City, Oklahoma
eral Owner E. M. Boggs Heirs	
dress Perkins, W. Va.	· · · · · · · · · · · · · · · · · · ·
el Owner	1-366
	tenter
drega	
•	Quadrangle Normantown $7\frac{1}{2}$
PERMIT MUST BE POSTED AT THE WELL	SITE
ravisians being in accordance with Chapter	. 22
e W. Va. Code, the location is hereby appre	noused
drilling . This permit should exp	LNOTE PALLEDY
ations have not commenced by 11-19-77	7 ADDRESS Smithville, W. Va.
Thuth (ad)	
couty Director - Oil & Gas Division	PHONE <u>477-3660</u>
INTERNATIONS.	
the undersigned well operator is entitled to the thereto, (or as the case may be) under grammade to lope Natural	drill upon the above named farm or tract of land for oil and gas, having the second o
made to Hope Natural in fin County, Book	Gas Company and recorded on the day of
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(Formerly GIL-2755)

GIL-2865

47-021

_PERMIT NUMBER

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

SEP 185 CONTRACTOR: (H Known) G. L. Haught and Sons SEP 185 CONTRACTOR: (H Known) G. L. Haught and Sons SEP 185 CONTRACTOR: (H Known) EACH CONTRACTOR: (H Known) EACH CONTRACTOR: (H Known) EACH CONTRACTOR: (H Known) ESTIMATED PEPTH OF CONTRETED WELL: 1900		RESPONSIBLE AGENT: Robert R. Jones	
		Γ.υ.	Box 86, Sand Fork, W. Va.
			8366
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			se. Inspector to be notified twenty-
The following waiver must be becreef.	se completed by the coal op	erator if the permit is to	be issued within ten days of receipt
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providing operator has c	complied with all rules and rep	nave no onections to saw gulations in Articles 4, 5, ar	I well being drilled at this location, and 7, Chapter 22 of the West Virginia
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	* <u>-</u> **		For Coal Company
er en			Official Title