

OCT 3 1 1994

WR-35

Permitting Office of Oil & Gas API # 47-109-01435

## State of West Virginia Division of Environmental Protection Section of Oil and Gas

Well Operator's Report of Well Work

Farm Name:

POCAHONTAS LAND CORP.

Operator Well No. LOUP CREEK # 21

LOCATION:

Elevation: 2,436.00

Quadrangle: PILOT KNOB

Used in

Drilling

30'

1712'

County: Wyoming Deg. 47 Min. 30 Sec. Deg. 30 Min. 0 Sec.

District: Oceana Latitude: 9550 Feet South of 37 Longitude 3920 Feet West of 81

Company: UMC PETROLEUM CORPORATION

P.O. DRAWER 1738

CLARKSBURG, WV 26301-1738

Left

in Well

30'

1712'

4516'

Cement

Fill up

Cu. Ft.

579

546

Agent: GREGORY A. SHOCKLEY

Inspector: OFIE A. HELMICK 06/01/94 Permit Issued: Well work Commenced: 09/20/94
Well Work Completed: 09/29/94 Verbal Plugging

	4 1/2"
_ ]	
_ ]	

Casing

Tubing

16"

8 5/8"

Permission granted on: Permission granted on:

Rotary X Cable Rig

Total Depth (feet) 4567'

Fresh Water depths (ft) 170'

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N

Coal Depths (ft): 97'-100', 159'-161',
201'-203', 205'-207', 255'-258', 383'385', 492'-495', 660'-663', 834'-836,
1628'-1632'

OPEN FLOW DATA

<u>1628′-1632′</u>

Lower Maxon } *	3280′ - 3284′
Producing formations Gordon } Pa	y zone depth (ft) 4420' - 4432'
Gas: Initial open flow MCF/d Oil:	Initial open Flow Bbl/d
Final open flow <u>*245                                    </u>	Final open flowBbl/d
Time of open flow between initial a	and final tests Hours
Static rock Pressure *560 psig (surface * Co-mingled	

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

> Petroleum For: Corporation

Shockley / DISTRICT MANAGER By: <u>Gregory A.</u>

Date: 10/19/94

1) 1	Well'Opes	DEPARTME M Mg !			SION OF OIL PPLICATION	AND GAS	06/01/94
	-			p Creek #21		3) Ele	vation: 24
	Well type:	: (a) Oi	.1/	or Gas_	<b>X</b> _/		
19188		(b) If	Gas: P	roduction_ Deep_		ound Storage Shallow	
•	Proposed '	Target Fo	ormation(	s): Gordon	, 419	·	· <del></del> -
	Proposed	Total Dep	pth: 46	001	feet		
	Approxima	te fresh	water st	rata depti	is: <u>575'</u> (Fro	om 47-109-0253	)
8)	Approxima	te salt	water der	oths: None	(From 47-10	)9-0253)	
9)	Approxima	te coal	seam dept	hs: 1650	', 1831'. (Fi	com 47-109-025	3)
10)	Does land	l contain	coal sea	ems tributa	ery to acti	ve mine? Ye	s/ No_
11)	Proposed	Well Wor	k: Dri	ll and frac	new well.		• •
12)							
,							
,			CASIN	G AND TUEI	NG PROGRAM		
TYPE	· !	SE	<u>CASIN</u> PECIFICAT		NG PROGRAM	NTERVALS	CEME
		Size				NTERVALS Left in well	Fill-ug
TYPE	luctor		PECIFICAT	IONS Weight	FOOTAGE I	Left in well	Fill-ug (cu. fi CTS By Hand
Conc		Size	PECIFICAT Grade	IONS Weight per ft.	FOOTAGE IN	Left in well	Fill-ug (cu. fi
Conc	iuctor sh Water	Size	PECIFICAT Grade	IONS Weight per ft.	FOOTAGE IN	Left in well	Fill-ug (cu. fi CTS By Hand
Cond Fres	iuctor sh Water	<u>Size</u> 16"	PECIFICAT  Grade  N/A	Used PE	FOOTAGE IN For drilling 40'	Left in well 40'	Fill-ug (cu. ft CTS By Hand
Cond Fres	luctor sh Water	<u>Size</u> 16"	PECIFICAT  Grade  N/A	Used PE	FOOTAGE IN For drilling 40'	Left in well 40'	Fill-ug (cu. ft CTS By Hand
Cond Fres	Nuctor  Sh Water  ermediate  duction	Size 16"	Grade N/A J-55	Weight per ft. Used PE	FOOTAGE IN For drilling 40'	Left in well 40'	Fill-ug (cu. ft CTS By Hand CSK/J-//. CTS
Cond Fres Coal	iuctor sh Water ermediate duction	Size 16"	Grade N/A J-55	Weight per ft. Used PE	FOOTAGE IN For drilling 40'	Left in well 40'	CSRIB-11.
Cond Fres Coal Inte	iuctor sh Water ermediate duction ing	Size 16"  8 5/8"  4 1/2"	Grade N/A J-55	Weight per ft. Used PE	FOOTAGE IN For drilling 40'	Left in well 40'	Fill-ug (cu. fi CTS By Hand CSK/J//.
Cond Fres Coal Inte	iuctor  th Water  ermediate  duction  ing  ers  KERS : Kir	Size 16"  8 5/8"  4 1/2"	Grade N/A J-55	Weight per ft. Used PE	FOOTAGE IN For drilling 40'	Left in well 40'	Fill-ug (cu. ft CTS By Hand CSK/J-//. CTS

Page	1	of	9_
Form	W	12-A	
(10-9	1	)	

MECELLA	٠	<u>~</u> •	-
Les amental	1)	Date: May 13, 1994	٠
MAY 1 6 94	2)	Operator's well number Loup Creek #21	
Para	3)	API Well No: 47 - 109 - 1435	_
Strice of Cal &		State - County - Permit	

## STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

## NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4)			o be served:	5) (a) Coal Operator:
			Land Corporation	Name Eastern Associated Coal Corporation
		P.O. Box 15		Address P.O. Box 1233
	72 35	<u>Bluefield.</u>	WV 24701	Charleston, WV 25324
	(b) Name			(b) Coal Owner(s) with Declaration
	Address			Name Pocahontas Land Corporation
	<del></del>	u u		Address P.O. Box 1517
	(c) Name			Bluefield, WV 24701
	Address			Name Address
	<del></del>			Address
6)	Inspecto	r <u>Ofie Helu</u>	nick	(c) Coal Lessee with Declaration
	Address	P.O. Box	218	Name Eastern Associated Coal Corporation
		Fanrock.	WV 24834	Address P.O. Box 1233
	Telephon	e (304)- <u>73</u>	32-9135	Charleston, WV 25324
		TO THE PI	ERSON(S) NAMED	ABOVE TAKE NOTICE THAT:
	Included	is the le	ase or leases (	or other continuing contract or
cont				extract oil and gas OR
				red by Chapter 22B, Article 1,
sect				nia (see page 2)
- 1.				Chapter 22B of the West Virginia Code
				nd application, a location plat, and
acco				9 on the above named parties, by:
			rice (Affidavit	
				oostal receipt attached)
	Pub	lication (	Notice of Publi	.cation attached)
				er 22B and 38 CSR 11-18, and I agree
to t				mit issued under this application.
				at I have personally examined and am
tami	liar with	the infor	mation submitte	ed on this application form and all
atta	chments,	and that b	ased on my inqu	iry of those individuals immediately
				ion, I believe that the information
is t		rate, and		
				cant penalties for submitting false
info	rmation,	including		of fine and imprisonment.
~~~		TOUL SELL	k <del>-</del> .	UMC Petroleum Corporation (50410)
A.	NOTA	RY PUBLIC }	By:	Gregory A. Shockley
		WEIT VERGRAL L CARDER		Manager/Designated Agent
H.	AT.	1, BCX 10	Address <u>P.O. p</u>	rawer 1738
	My Commission	LUPIG, WV SISSOT Expires April 21, 2003		burg. WV 26302
_		<del>~~~</del>	Telephone (30	4) 624-9653
Subs	cribed and	g sworn be	fore me this 13t	h day of May , 1994
\	01/4 . 1	V //2.	Acal	W_1
<u> </u>	yuzek a	<u> </u>	ar	Notary Public
му с	commission	expires _	April 21, 2003	

Perforated Gordon at 4420' - 4432' with 15 shots. Broke down with 500 gals. 18% HCL. Fraced with 75 quality foam and 50,000# 20/40 mand. Break = Hydrostatic, AIR = 30 BPM foam, ATP = 1,820#, ISIP = 1,850#.

Perforated Lower Maxon at 3280' - 3284' with 12 shots. Broke down with 500 gals. 18% HCL and fraced with gelled water and 300 Scf N<sub>2</sub>/Bbl. and 20,000# 20/40 sand.Break = 2,500#, AIR = 23 BPM, ATP = 1,930#, ISIP = 850#.

				,	,,,			
Formation	Color	Hard or Soft	Top	Botto	-m	Oil, Gas <u>Or Water</u>	Depth	Remarks
Fill	Blue	Soft	0	47	20)	OI MACEL	Dancii	Velligtys
Sand	Brown	Soft	47	97				
Coal Sand	Black	Soft	97	100				
Shale	Gr <b>e</b> y Brown	Hard Soft	100 135	135 159				
Coal	Black	Soft	159	161				
sd & sh	Grey	Medium	161	201		Water	170'	1/4" stream
Coal	Black	Soft ·	201	203				
Shale Coal	Gr <b>ey</b> Black	Soft Soft	203 205	205 207				
Sand	Grey	Medium	207	255				
Coal	Black	Soft	255	258				
Sand	Grey	Hard	258	383				
Coal	Black	Soft	383	385				
Sd & Sh Sand	Grey Grey	Hard Hard	385 395	395 410				
Sd & Sh	Grey	Medium	410	492				
Coal	Black	Soft	492	495				
Sd & Sh	Grey	Hard	495	580				
Sand Sd & Sh	Grey Grey	Hard Medium	580 618	618 660				
Coal	Black	Soft	660	663				
Sand	Grey	Hard	663	669				
Sd & Sh	Grey	Medium	669	679				
Sand Sd & Sh	Grey Grey	Hard Medium	679 686	686 702				
Sand	Grey	Hard	702	708				
Shale	Grey	Soft	708	713				
Sand	Grey	Medium	713	751				
Sd & Sh	Grey	Soft	751	834			•	
Coal Sd & Sh	Black Grey	Soft Medium	834 836	836 917				
Sand	Grey	Hard	917	957				
Shale	Grey	Hard	957	978				
Sand	Crey	Hard	978	1200				
Sd & Sh	Grey	Medium	1200	1323				
Shale Sand	Grey Grey	Soft Hard	1323 1365	1365 1373				
Sd & Sh	Grey	Medium	1373	1421				
Sand	Grey	Hard	1421	1470				
Sd & Sh	Crey	Soft	1470	1538				
Sand Coal	Grey Black	Hard Soft	1538 1628	1628 1632				
Sd & Sh	Grey	Medium	1632	1650				
Sand	Grey	Hard	1650	1725				
Shale	Grey	Medium	1725	1820				
Sand	Grey	Hard	1820	2041				
Sd & Sh Sand	Grey	Medium Hard	2041	2187				
Shale	Grey	nard Soft	2187 2260	2260 2273				
Sand	Grey	Hard	2273	2279				
R & R	Grey	Soft	2279	2283				
Sand '	Grey	Hard	2283	2290				
Sd & Sh Sand	Grey Grey	Medium Hard	2290 2315	2315 2345				
Shale	Grey	Soft	2345	2452				
Sd & Sh	Grey	Medium	2452	2463				
Shale	Grey	Soft	2463	2478				
Sand Avis Lime	Grey Grev	Medium Medium	2478 2540	2540 2563				
R & R	Red	Soft	2563	2586				
Shale	Grey	Soft	2586	2644				
Sand	Crey	Hard	2644	2647				
R & R Shale	Red	Soft Soft	2647 2731	2731 2840				
Snaie Lime	Grey Grey		2840	2848				•
Shale	Grey	Soft	2848	3035				
Maxon	Grey	Medium	3035	3045				
Shale	Grey	Soft	3045	3062				
Sand Sd & Sh	Grey Grey	Medium Soft	3062 3072	3072 3183				
Shale	Grey	Soft	3183	3220		Gas	3165'	35 MCFPD
Sd & Sh	Grey	Medium	3220	3253				
Lower Maxon	Grey	Hard	3253	3315 3350				
Sand Little Lime	Grey Grey	Hard Hard	3315 3350	3350				
Shale	Grey	Soft	3370	3386				
Big Lime	Grey	Hard	3386	3712				
Sd & Sh	Grey	Medium	3712	3833				
Weir	Gray	Medium	3833	3960 3986		Gas	3878 <i>°</i>	44 MCFPD
Sd & Sh Shale	Grey Grey	Soft Soft	3960 3986	3986 4242				
Berea	Grey	Medium	4242	4256			•	
Sd & Sh	Grey	Medium	4256					
Gordon Shale	Grey Grey	Hard Soft	4406 4434	4434 4567	ŤD	Gas	4567	38 MCFPD
	1	501	-434	4501		J	4347	30 HOLLD

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