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API # 47-005-01578

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 # 9

LOCATION:

Elevation: 2644.00

Quadrangle: Pickens

District: Crook

Boone County:

Used in

Latitude:

Feet South of 37 1790 Feet West of 81 9030

Casing

&

Company: UMC PETROLEUM CORPORATION

Longitude

P.O. DRAWER 1738

CLARKSBURG, WV 26301-1738

Deg. 50 Min. 0 Sec. Deg. 32 Min. 30 Sec.

Left

Cement

Fill up

Agent: GREGORY A. SHOCKLEY

Inspector: RODNEY G. DILLON Permit Issued:

07/22/93 10/18/93 10/28/93

Well work Commenced: Well Work Completed: Verbal Plugging

Cu. Ft. in Well Drilling Tubing Size 20" 16' 1304' 767 11 3/4" 13041 2037' 637 8 5/8" 2037' 4810' 391 4 1/2"

Permission granted on:

Rotary X Cable Rig

Total Depth (feet) 4850'

Fresh Water depths (ft) 121', 510', 1890'

Salt water depths (ft)_

None Reported

Is coal being mined in area (Y/N)? N Coal Depths (ft): 105-108', 175-178', 240-244', 473-476', 503-505',585-589', 618-621', 884-887', 903-906', 995-1000', 1019-1028, 1220-1227'(open), 1239-1242'.

OPEN FLOW DATA

Gordon Berea

4748-4753' 4558-4564'

Weir

4235-4246'

3738-4000'

Producing formation <u>Big Lime</u> Pay zone depth (ft) <u>3738</u>
Gas: Initial open flow <u>O</u> MCF/d Oil: Initial open Flow Final open flow MCF/d Final open flow Bb1/d Bb1/d Hours

Hours

* Co-mingled

TM6

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.

For: UMC Petroleum Corporation

Den DISTRICT MANAGER Date:

DEC 1 1993

FORM WW.

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3		ASP.	ARTME	NT	OF	ENE	ERGY	ι,	DIV	VISI	ON	OF	OIL	<u>AND</u>	GAS
799	ال الاس	1/ 2-		WEL	L	WORK	PE	ERN	(IT	APE	LI	CAT	ON		
e (, ·	•				_	4	158	7	_	·			AND	546

.)	Well Operator:	UMC Petrol	leum Corporation	(50410)	יכ	
2 }	Operator's Well	Number:	Loup Creek #9		3)	Elevation: 2644

011_/ Gas X / 4) Well type: (a) or

> ProductionX / Underground Storage If Gas: (b) Deep__/

Proposed Target Formation(s): Berea 395 5)

Proposed Total Depth: 4800 6) __ feet

Approximate fresh water strata depths: None (From 47-005-0793) 7)

Approximate salt water depths: 1046' (?) (From 47-005-0793) 8)

Approximate coal seam depths: 969', 1204' (From 47-005-0793) 9)

Does land contain coal seams tributary to active mine? Yes X No ___/ 10)

Proposed Well Work: To drill and stimulate new well. 11)

12)

17562

CASING AND TUBING PROGRAM

TYPE	SE	ECIFICAT	TIONS	FOOTAGE I	CEMENT	
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	20"	N/A		40 '	40'	Hand CTS
Fresh Water	13 3/8"	н-40	48#	2001	2001	CTS
Coal						<u> </u>
Intermediate	8 5/8"	J-55	32#	2200'	2200'	CTS
Production	4 1/2"	J-55	10.5#		4800'	200 cu. ft.
Tubing		<u>.</u>				
Liners						

PACKERS : Kind	
Sizes	5
Depti	hs set
\	

181/3	F	or Divison o	f Oil and Gas	Use Only Reclamation Fund	
	Fee(s) paid:	_ _ Well Work	Permit	Reclamation Fund	WPCP
	Plat WW-9	WW-2B	Bond $ $	funty	Agent

Dage	1 of 8 was 2 3	1)	Date: June 30, 1993
Form	1 of 8 (100 m)	2)	Operator's well number
	1) orman is		Ioun Creek #9
,	carry on a	3)	API Well No: 47 - 005 - 1578
	ormand or miles		State - County - Permit
			VIRGINIA
	DIVISION OF ENVIRONMENTAL	. PROTEC	TION, OFFICE OF OIL AND GAS
	NOTICE AND APPLICA	TION FO	OR A WELL WORK PERMIT
4.		. 	E) (a) Carl Operator.
4)	Surface Owner(s) to be serve (a) Name Pocahontas Land Corpor		5) (a) Coal Operator: Name Eastern Associated Coal Corporation
	Address P. O. Box 1517	acton	Address P. O. Box 1233
	Bluefield, WV 24701		Charleston, WV 25324
	(b) Name		(b) Coal Owner(s) with Declaration
	Address	· · · · · · · · · · · ·	Name
			Address
	(c) Name		
	Address		Name
			Address
6)	Transatar Dichard C Comphall		(a) Cool Torsoo with Doclaration
0)	Address P. O. Box 163		(c) Coal Lessee with Declaration Name Same
	Hamlin, WV 25523		Name Same Address
	Telephone (304) - 824-5828	· · · · · · · · · · · · · · · · · · ·	
	TO THE PERSON(S) N	AMED AB	OVE TAKE NOTICE THAT:
	T1.4-4 for the form of the		
aont ,	included is the lease or lea facts by which I hold the rig		other continuing contract or
			ed by Chapter 22B, Article 1,
	ion 8(d) of the Code of West		
			hapter 22B of the West Virginia Code
I hav			application, a location plat, and
			8 on the above named parties, by:
	<pre>Personal Service (Affid</pre>	lavit at	tached)
	X Certified Mail (Postmar		
	Publication (Notice of	Publica	tion attached)
	T have weed and wednesd. 1 o		000 2 00 000 11 10 1 7
+a +h			22B and 38 CSR 11-18, and I agree t issued under this application.
CO CI			: I have personally examined and am
famil			on this application form and all
			y of those individuals immediately
respo	onsible for obtaining the inf	ormatio	on, I believe that the information
	rue, accurate, and complete.		
	I am aware that there are si	.gnifica	int penalties for submitting false
infor	mation including the possib	oility o	of fine and imprisonment.
ST THE	ON METTARY PINNIK: #	rator _	UMC Petroleum Corporation (50410)
	STATE OF WEST VIRGINIA BY:	المهم	Gregory A. Shockley
			anager / Designated Agent
W.	CLARKSBURG, WY 28301 Address My Commission Expires April 21, 2003		rawer 1738

June

19<u>93</u>

Notary Public

OPPICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
HAZEL L. CARDER
RT. 1, BOX 10
CLARKSBURG, WV 28301
My Commission Expires April 21, 2003

My commission expires April 21, 2003

Clarksburg, WV 26302
Telephone (304) 624-9653
Subscribed and sworn before me this 30th day of Ju

Perforated Gordon at 4748' - 4753' with 12 shots. Broke down with 500 gals. 15% HCL. Fraced with 75 quality foam and 30,000# 20/40 sand. Break = 2360#, AIR = 6.25 BPM & 10,800 Scfm N_2 , ATP = 1240#, ISIP = 1170#.

**

Perforated Berea at 4558' - 4564' with 12 shots. Broke down with 500 gals. 18% HCL. Fraced with 75 quality foam and 30,000# 20/40 sand. Break = 1960#, AIR = 6.25 BPM & 12,600 Scfm N₂, ATP = 1600#, ISIP = 1520#.

Perforated Weir at 4235' - 4246' with 12 shots. Broke down with 500 gals. 18% HCL. Fraced with 75 quality foam and 30,000# 20/40 sand. Break = 1510#, AIR = 6.25 BPM and 11,000 Scfm N_2 , ATP = 1500#, ISIP = 1400#.

Perforated Big Lime at 3738' - 4000' with 12 shots. Acidized with 6,500 gals. 18% HCL and 101,000 Scf N_2 . Break = 1670#, AIR = 5.3 BPM, ATP = 1950#, ISIP = 2150#.

1950#	, ISIP =	2150#.		011 0			
Formation Sub	Color	Hard or Soft	Top 0	Bottom 10	Oil, Gas Or Water	<u>Depth</u>	Remarks
Sand			10	105			
Coal			105	108			
sd & sh			108	175	Water	121'	Damp
Coal			175	178			_
sh & sd			178	240			
Coal			240	244			
Sd & Sh			244	473			
Coal			473	476			
sh & sd			476	503			
Coal			503	505	77 a to a	F104	24
Sh & Sd Coal			505 585	585 589	Water	510′	3" stream
Sh & Sd			589	618			
Coal			618	621			
Sd & Sh	Grey		621	884			
Coal	Black		884	887			
Sd & Sh	Grey		887	903			
Coal	Black		903	906			
sd & sh	Grey		906	995			
Coal	Black		995	1000			
sd & sh	Grey		1000	1019			
Coal	Black		1019	1028			
sd & Sh	Grey		1028	1220			
Coal	Black	Soft	1220	1227			
sd & sh	Grey	- - .	1227	1239			
Coal	Black	Soft	1239	1242			
Sd & Sh	0	77	1242	1883	Mark and	10007	2" stream
Salt Sand	Grey	Hard	1883	2740	Water	1890′	2" Stream
Shale Princeton			2740 2785	2785 2863			
Shale			2863	2928			
Avis			2928	3068			
Shale			3068	3195			
Avis			3195	3232			
Maxon			3232	3330			
sd & sh			3330	3365			
Maxon			3365	3376		•	
sd & sh			3376	3620			
Little Lime			3620	3676			
Shale			3676	3718	a	27507	150 VOT /Dage
Big Lime			3718	4026	Gas	3750′	150 MCF/Day
sd & sh			4026	4150	C	42117	60 MCE/Day
Weir Shale			4150 4313	4313 4521	Gas	4311'	68 MCF/Day
Coffee Sh			4521	4550			
Berea			4550	4565			
Sh & Sd			4565	4748	Gas	4600′	150 MCF/Day
Gordon			4748	4806		•	, -
	DF - 41	n4	4806	4850 TD	Gas	4850′	162 MCF/Day
		=					
	DFT - 4	+19					

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