

RECEIVED W Division of **Environmental Protection**

30-Jan-97 API # 47-5-01642

State of West Virginia NOV 2 1997 Division of Environmental Protection Section of Oil and Gas

Permitting Well Operator's Report of Well Work Office of Oil & Gas

Farm name:

POCAHONTAS LAND CORP.

Operator Well No.: LC-144

LOCATION:

Elevation: 2,064.00 Quadrangle: PILOT KNOB

District:

CROOK

County: BOONE

Latitude: Longitude

7600 Feet South of 37 Deg. 50Min. 0 Sec. 10070 Feet West of 81 Deg. 30 Min. 0 Sec.

Company: PENN VIRGINIA OIL AND GAS 999 EXEC. PARK BLVD., STE. 300 | Casing | Used in Left Cement KINGSPORT, TN 37660-0000 Fill Up Tubing in Well|Cu. Ft. Drilling Agent: DANA BLACKSHIRE Size Inspector: RICHARD CAMPBELL 13 3/8" 01/30/97 37' 37' 0 Permit Issued: 04/09/97 Well work Commenced: Well work Completed: 05/29/97 Verbal Plugging 1995' 1995 606 cu ft Permission granted on: Rotary * Cable _______ Total Depth (feet) ________ 2392' Fresh water depths (ft) __Damp_at Salt water depths (ft) Is coal being mined in area (Y/N)? N Coal Depths (ft): 108-110, 224-230, 453-460, 638-640, 1342-1344

OPEN FLOW DATA

Producing formation Gas: Initial open flow Final open flow Time of open flow	Ravencliff 2773 MCF/d Oi 2773 MCF/d	Pay zone de l: Initial open : Final open fle	epth (ft) flow ow	Bbl/c
Time of open flow Static rock Pressure	between initia 475 psig (su	al and final test urface pressure) a	s 31 after <u>121</u>	Hour:
Second producing forma	tion	Pay zone d	epth (ft)	
Gas: Initial open flow Final open flow Time of open flow	MCF/d O	1: Initial open	flow	Bbl/cBbl/c
Static rock Pressure_	psig (st	al and final test urface pressure)	s after	Hour: Hour:

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATE INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELLOWING: 10. THE WELLOWI LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For:	PENN	VIR	GINIA	OIL	AND	GAS	CORPORATION
			•				7 🕽

DETAILS OF PERFORATIONS, FRACTURING, OR PHYSICAL CHANGE, ETC.

Natural Completion

FORMATIONS TOP BOTTO	DM REMARKS
Sand, Shale, & Coal 0 1344	
Shale 1344 1400	
Sand 1400 1464	•
Shale 1464 1508	
Sand 1508 1590	• .
Shale 1590 1614	<u>.</u>
Sand & Shale 1614 1910	
Shale 1910 1992	•
Sand 1992 2082	
Shale 2082 2117	
Sand & Shale 2117 2153	
Rayencliff 2153 2230	Gas check @ 2154' - 2180' - 2773 MCF
Avis Limestone 2230 2266	
Sand & Shale 2266 2392	

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS WELL WORK PERMIT APPLICATION

)			<u></u>	DRK PERMIT			(3)
)	Well Ope	erator:	COLUMBIA NA	ATURAL RES	SOURCES, INC	10460	(3) 49
)	Operator	's Well Numb	er: 822954		3) Ele	evation: 962	.40'
)	Well type	e: (a) Oil	<u>_/</u> or C	Gas <u>X/</u>		•) stost97
		(b) If (erground Storage low $X/$	ixpines (15105/99 195
	Proposed	l Target Form	nation(s): DEVO	NIAN SHALI		En	Vin 2000 TV
	Proposed	i Total Depth	: 4605 Feet			Â,	inental on of D
	Approxir	nate fresh wa	ter strata depths:	: N/A		0. 6.	19.9>
	Approxi	nate salt wate	er depths: 700'			Chilce of	Oli
,	Approxir	nate coal sear	n depths: 460'				Midding Oli & Gas
0)	Does lan	d contain coa	l seams tributary	to active mine	? Yes		
1)	Proposed	d Well Work:	TO DRILL AN	D STIMULA	TE ///// [//	ll	
2)					1/04/ 000		
	٠		CASINO	3 AND TUBIN	G PROGRAM		
T	/PE		SPECIFICATION	ONS	FOOTAGE I	NTERVAL:	S CEMENT
	1	SIZE	GRADE	WEIGHT PER FT.	FOR DRILLING	LEFT IN WELL	
Conc	luctor	13 3/8	L. S.	48#	AS NEEDED		3805R1911.
Fresh	Water	9 5/8	L. S.	36#	320	320	Jefs 130
							38CR18.
Coal							
	mediate	7	J	20#	1680	1680	J 328
Inter	mediate uction	7 4 ½	l l	20#	1680 4605	1680	260
	uction		<u> </u>				1/2

(Type)

Page	l	O	f		
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(6/94)					



l)	Date:	APRIL 15, 1997	
2)	Opera	tor's well number	

3) API Number 47 - 005

1646

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

l)		face owner(s) to be served: 5) (see Name: HORSE CREEK COAL LAND CO.			Coal Operator:	
	(a)	Name:	% M. WILLIAMSON WATT		Name: HOBET MINING & CONSTRUC	CTION CO.
		Address:	P. O. BOX 98		Address: P. O. BOX 6100	
			MADISON, VA 22727	(b)	HUNTINGTON, WV 25770 Coal Owner(s) with Declaration	
	(b)	Name:		(-)	Name: SAME AS SURFACE	
		Address:			Address:	
	(C)	Name:			Name:	
		Address:			Address:	
5)	Insp	ector:		(C)	Coal Lessee with Declaration:	
		Name:			Name:	
		Address: Telephone:	(304)		Address:	
_		Telephone.	(304)			
			TO THE PERSON(S) NAMED	ABOVE TAKE NOTICE THAT:	
	_	Included	is the lease or leases or oth	ier continu	ing contract or contracts by which I hold t	he right to
ex	tract	oil and ga	is <u>OR</u>			-
	_		is the information required	by Chapte	er 22, Article 6, Section 8(d) of the Code of	f West Virginia
(se	ee pa	ge 2).				
					est Virginia Code I have served copies of this r	
ap	piica		tion plat, and accompanying irsonal Service (Affidavit atta	-	pages 1 though on the above named partie	s, by:
			rtified Mail (Postmarked pos	•	ttached)	
			blication (Notice of Publicati	-	•	
						_
:				-6 and 38 C	SR 11-18, and I agree to the terms and conditi	ons of any permit
155	uea t	inder this a	• •	ze nersonall	y examined and am familiar with the informati	on submitted on this
ap	plica				d on my inquiry of those individuals immediate	
			mation, I believe that the info			,
		I am awar	e that there are significant pe	nalties for	submitting false information, including the pos	sibility of fine or
im	prișo	nment.		_		
. •	<u> ج</u> درد د.	وأجاوا والمعاربة		perator <u>C</u>	OLUMBIA NATURAL RESOURCES	
			By: _(ALL LAKE	PRESIDENT	
			Its:		Box 6070	
			-1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		eston, WV 25362-0070	
			Teleph	ione: (304)		<u> </u>
- Sı	ıbscr	ibed and su	vorn before me this <u>15th</u>	day of	APRIL , 19 97	
			·/ -/- .	elistet	0	
_	·············				Notary Public	•
М	y Co	mmission e	expires / APRIL 25, 20)00		