

DEEP WELL

6-6 AcGraw

(248)

STATE OF WEST VIRGINIA

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

		***************************************	VICIO E DICILE E	WE EDICATION	$\frac{1}{2}$	10	
1) Well C	perator:_	Ashland Exp	loration, I	nc. 275	0, 3, 40	<u> 13 </u>	
2) Operat	or's Well				/ / 3) Ele	evation: <u>1735.1</u> 3	
4) Well t	ype: (a)		M. Ritter or Ga	Lumber Co. \underline{X} /			
	(b)	If Gas:	Productio Dee	n <u>X</u> / Undergi p/	round Storage Shallov		
5) Propos	ed Target	Formation	ı(s):Devo	onian Shale			
6) Propos	ed Total D	epth:	6380	<u>)'K</u> Bfeet			
7) Approx	imate fres	h water s	trata dep	ths: 765'	300/		
8) Approx	Approximate salt water depths: 1085'KB						
9) Approx	Approximate coal seam depths: Coal Seams Not Operated 263-266, 613-616						
10) ! Does 1	and contai	n coal se	ams tribu	tary to acti	ive mine? Ye	es/No_X_/	
11) Propos	ed Well Wo	rk: Dui	ll 3 Ster	mulate Il	wille		
12)		_	·				
		CASIN	G AND TUB	ING PROGRAM			
TYPE	S	PECIFICAT	IONS	FOOTAGE IN	ITERVALS	CEMENT	
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)	
Conductor	16"	H40	48.0	: 30	30	CTS	
<u>Fresh Water</u>				150'	150		
Coal	Changed	et offente	i-Keguast	1		38 CS P 11.3	
<u>Intermediat</u>	e 8 5/8"	J55	24.0	1135	1135	38CS(1871, 2, 2	
Production_	5 1/2"	J55	15.5	6380	6380	SBCSRIBTAL As Needed	
Tubing	1.9"	CW55	2,76	_	6300	Siphon	
Liners					DIS	CEIMET	
<u>PACKERS</u> : K	***************************************		7				
	izes epths set				DIVI	FEB 24 1989 C	
	P	og Diviso	n of Oil a	and Gas Use	0.004	RTMENT OF ENERGY	
Fee(s)	paid:	Well W	ork Permit	Recl	amation Fund	WPCP	
Plat (- ww -9	WW-	2B (## F	Bond Bla	nRel	Agent	
-	U	U	U	(Type)		

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Date: February 23, 1989

Operator's well number
W. M. Ritter Lumber Co. #238, Serial #117631

API Well No: 47 - 109 - 1081 State - County - Permit

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4 }	Surface Owner(s) to be served: (a) Name Bud Vanoy, Jr.	5) (a) Coal Operator: Name None
-	Address P.O. Box 77	Address
	Pineville, WV 24874	Add L Coo
	(b) Name	(b) Coal Owner(s) with Declaration
	Address	Name Georgia-Pacific Corp.
		Address 133 Peachtree
	(c) Name	Atlanta, GA 30303
	Address	Name
		Address
6)	Inspector <u>Tim Bennett</u>	(c) Coal Lessee with Declaration
	Address 525 Tiller St.	Name Consol Land Development Company
	Logan, WV 25601	Address P.O. Box 1289
	Telephone (304) - 792-7075	Bluefield, VA 24605
	TO THE PERSON(S) NAMED AB	
	Included is the lease or leases or	
	acts by which I hold the right to	
	Included is the information require	
secti	on 8(d) of the Code of West Virgin	
		hapter 22B of the West Virginia Code
I hav	re served copies of this notice and	application, a location plat, and
accor	mpanying documents pages 1 through	on the above named parties, by:
	Personal Service (Affidavit a	
	x Certified Mail (Postmarked po	
	Publication (Notice of Publication)	ation attached)
	and now one note that the note only only this gast mad their date then then then the	mm can can can the see one can the me me and
	I have read and understand Chapter	22B and 38 CSR 11-18, and I agree
to th	e terms and conditions of any perm	
		t I have personally examined and am
famil	iar with the information submitted	on this application form and all
attac	hments, and that based on my inqui	ry of those individuals immediately
respo	ensible for obtaining the information	on, I believe that the information
	ue, accurate, and complete.	
		ant penalties for submitting false
infor	mation, including the possibility	
111101		Ashland Exploration, July
	PsF By: J. T. Mell	
		r Eastern Region
	Address P.O. Bo	
		1. KY 41114
Suber	Telephone (606	
วนมอเ	ribed and sworn before me this 23rd	i day or repruary , 1909
	(McKe W. Klorka	Notary Public
Му со	ommission expires November 23, 1990	

AUG 16 1989

State of West Virginia DEPARTMENT OF ENERGY Division of Oil and Gas

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

Well Operator's Report of Well Work

Farm name: VANOY, BUD

Operator Well No.: 238-S-117631

LOCATION:

Elevation: 1735.13 Quadrangle: MATHENY

District:

Latitude:

CENTER County: WYOMING 14750 Feet South of 37 Deg. 40Min. 0 Sec. 6600 Feet West of 81 Deg. 30 Min. 0 Sec. Longitude Company: ASHLAND EXPLORATION

company: ASHLAND EXPLORATION, INC.				
P. O. BOX 391 ASHLAND, KY 41114-0000	Casing	Used in	Left	Cement Fill Up
Agent: FORREST BURKETT	Tubing	Drilling	in Well	Cu. Ft.
Inspector: RODNEY G. DILLON	Size			
Permit Issued: 03/20/89 Well work Commenced: 05/14/89 Well work Completed: 07/27/89	16"	<u> </u> <u>28'</u> 	28'	12
Permission granted on:	_11_3/4"	263'	263'	 <u>177</u>
Rotary x Cable Rig Total Depth (feet) 6435 Fresh water depths (ft)@80' 3"stream	_8.5/8"	1159'	J159'	J367
Salt water depths (ft) 1085' not noted during drilling	5 ½"	6359'	6359'	751
Is coal being mined in area (Y/N)? N Coal Depths (ft) not noted during drilling	1.9 tbg 1.9 tbg	w/ ADL-1 PKR @2496' KB	@2543' KB	
				i

OPEN FLOW DATA

Denonian Shale Producing formation Gordon Sands Gas: Initial open flow 0/59 MCF/d Oil: Final open flow 60/69 MCF/d	5326-6200
Gordon Sands	Pay zone depth (ft3607-3635
Gas: Initial open flow 0/59 MCF/d Oil:	Pay zone depth (ft3607-3635 Initial open flow Bbl/d
Final open flow (0) MCF/d	BDI/q
Final open flow 604/80 MCF/d Time of open flow between initial a	Final open flow Bbl/d
2	and final tests 3 Hours
Static rock Pressure 280# psig (surfa	ace preceired affective
Big Lime	ace pressure) after/ZHours
Second producing formation Ravenscliff Gas: Initial open flow 59 MCF/d Oil.	2510_2516
become producing formation Ravenscliff	Pay zone denth (ft)
Gas: Initial open flow 59 MCF/d Oil:	Tni + 121 on on 61
Final open flow 201 MCF/d	Final open flow Bbl/d
Time Of Open ITOM Detween initial a	and final tooks
Static rock Pressure 230# psig (surfa	and final tests 3 Hours
psig (suite	ace pressure) after 72 Hours

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.

AUG 25 1989

For: ASHLAND EXPLORATION, INC.

Jim Stephens, Engineer Tech. Date: 8/14/89

FORMATION	TOP	BASE
Sand & shales Salt sands Shales Ravenscliff Avis LS. Sand & shales Lo. Maxton L. Lime Pencil Cave Big Lime Shale Weir Shale Coffee shale Berea Devonian shale Gordon Devonian shale Marcellus Onondaga LS	0 510 1137 1314 1403 1446 2132 2270 2356 2403 2850 2888 3106 3447 3463 3480 3592 3640 6343 6416	510 1137 1314 1403 1446 2132 2270 2356 2403 2850 2888 3106 3447 3463 3480 3592 3640 6343 6416 TD
DTD 6435' LTD 6435'		

Lower Devonian Shale 24H/ 5736-6200. 75Q foam frac using 20#/1000 gal. gel system, 1000 gal $7\frac{1}{2}\%$ HCL Fe acid, 1000 gal. 25% methanol (treated), 103,000 #20/40 sand & 920,000 SCF N2 @ 30,666 SCF/MIN. BD @ 3250#, ATP 3270 # @ 50 bpm foam rate, MTP 3350#, ISIP 2080, 15 MIN 1740# & TF 423 bbl.

Upper Devonian Shale 24H/ 4783-5334. 75Q foam frac using 1000 gal. 7½% inh Fe acid, 1000
gal. 25% methanol (treated), 56,000 # 20/40 sand, 782,000 SCF N2 @ 32,583 SCF/MIN.
BD @ 3270#, ATP 2600# @ 35 bpm foam rate, MTP 3280#, ISIP 2050#, 15 MIN 1490# & TF 347 bbls.

Big Lime 24H/2510-2516 acidizeusing 2000 gal. 15% Fe inh acid & 1000 gal. 28% Fe inh acid. BD @ 910#, ATP 700# @ 3 BPM, ATP 910#, ISIP 810# , 15 MIN 20# & TF 162 bbls.

Ravenscliff 45H/1337-1364. 75Q foam frac. using 500 gal. 15% Fe HCL, 1000 gal. 25% methanol, 63,000 # 20/40 sand % 662,000 SCF N2 @ 13,500 SCF/MIN. BD 1900# ATP 2140# @ 25 bpm foam, MTP 2270#, ISIP 1700# & 15 MIN 1580 #.

3480

AUG 16 1989

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

AUG 25 1989