

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

	Well Operat	or's Report of	Well Work	ine t	
Farm name: LOCATION:	BRYANT, ANDREW & PE Elevation: 1,277.00	44.45	Catton and the ca	V. HAUGHT	# 2
200111011	District: COVE Latitude: 13900 Fe Longitude 2110 Fe	et South of 39	County: DODD Deg. 10Min	RIDGE	ederica • de la companya de • de la companya de
P.	TROLEUM DEVELOPMENT C O. BOX 26 IDGEPORT, WV 26330-0	Casing	Ì	Left	Fill Upl
-	IC R. STEARNS	Tubing Size	Drilling	in well 	Cu. Ft.
Permit Issu Well work	MIKE UNDERWOOD ued: 11/12/93 Commenced: 01/11/94 Completed: 01/18/94	11 3/4"	159'	159'	96 sks
Verbal Pluc Permission	gging granted on:	8 5/8"	1625'	1625'	405 sks
Fresh water	n (feet) 5708 r depths (ft)	4 1/2"	5642'	 5642'	245 sks
/	depths (ft)				
Is coal be:	ing mined in area (Y/ss (ft):604-609; 990-995	N)? _N			
OPEN FLOW I	DATA	'			A.
Gas: 1	cing formation Alexan Initial open flow 10 Final open flow 30 Time of open flow bets c rock Pressure 80	3 MCF/d Oil: 1	Final open f nd final tes	flow(low(ts	5445-5511 Bbl/d Bbl/d Hours Hours
	d producing formation Initial open flow Final open flowco-ming Time of open flow better Trock Pressure	Benson MCF/d Oil: I led MCF/d F ween initial ar	Pay zone of the state of the st	depth (ft) flow low	
NOTE: ON BAINTERVALS,	ACK OF THIS FORM PUR FRACTURING OR STIMU IS A SYSTEMATIC DET COAL ENCOUNTERED BY T	T THE FOLLOWIN LATING, PHYSIC AILED GEOLOGIC	NG: 1). DET. CAL CHANGE, CAL RECORD	AILS OF PI	THE WELL

By: Eric R. Stearns

February 10, 1994

Date:

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TAGE	FORMATION	PERFS	the second of	SKS SKS	GAL	(MCF)	الحرائد عرجاة يعريها
st	Alexander	14(5445'-5511		50 700	500	77	
nd	Benson	17(5185'-5189	')	50 500	500	55	
		WELL	LOG				
				REMARKS:	FRESH &	SALT	
ORMATI	NC	TOP FEET B	OTTOM FEET	WATER, C	OAL, OIL	& GAS	
n 01		0	1.0				
B - GL	-1- DD	10	10 2098	Con1 660	4'-609',9	1901-9951	
	hale, RR	2098	2237	hole dam	p @1002	£ 1090'	
laxton	n = 1 n	2237	2311	gae ahk	@ 2269' r	o show	
and, sl		2311	2427	gas cirk	e 2200 ·	10 3110#	
Big Lim		2427	2431	gae chk	@ 2427' r	no show	
and, s		2431	2478	gas clik	e 2421 1	io silow	
sig Injustand, s		2478	2547	,			
Veir	liale	2547 2547	2642	gas chk	a 25821 r	no show	
and, s	helo	2642	2751	- gas cinc	G. 2302 .		
Berea	III	2751	2794	gas chk	@ 2766' r	no show	
and, s	hale	2794	2940	gas chk	@ 2922' r	no show	The second secon
Gordon	11412	2940	3020	. 6			• •
sand, s	hale	3020	3278	A CONTRACT OF THE PROPERTY OF	The second secon	and the second s	and the second s
th		3278	3347				والمراوا والمواسونين
sand, s	hale	3347	3570				
Varren		3570	3692				
sand, s	hale	3692	3763	gas chk	@ 3934′ r	no show	
Coocab 1		3763	4060		ā 3987' t		

gas chk @ 3987' no show Speechley sand, shale Balltown sand, shale Bradford gas chk @ 4678' 10/10 thru 2"/water gas chk @ 5086' 8/10 thru 2"/water sand, shale Riley sand, shale gas chk @ 5241' 24/10 thru 1"/water Benson sand, shale Leopold gas chk @ 5396' 6/10 thru 2"/water sand, shale Alexander

Drillers TD Logger TD

sand, shale

12)

STATE OF WEST VIRGINIA

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DEPARTMENT	OF ENE	RGY, D	IVISION	OF O	IL AUD GAS	
			T APPLI			-

L)	Well Operator: Petroleum Development Corporation 38200	511
	Operator's Well Number: Verna Haught #2 3)	Elevation: 1277'
~ #	Well type: (a) Oil_/ or Gasxx/	<u>.</u>
18164	(b) If Gas: ProductionXX/ Underground Stor Deep/ Shal	age/ low ^{XX} /
ļ	Proposed Target Formation(s): Alexander Sand 439	THE CHIVED
	Proposed Total Depth: 5700' feet	177 Division of End of Protection
1	Approximate fresh water strata depths: 225',350',445'	<u> </u>
8)	Approximate salt water depths:	Parmitting Office of Oil & Cas
9)	Approximate coal seam depths: 385'	
10)	Does land contain coal seams tributary to active mine?	Yes/ No <u>xx</u> _/
11)	Proposed Well Work:	

CASING AND TUBING PROGRAM

Drill and stimulate new well

TYPE	SP	ECIFICA	rions	FOOTAGE IN	CEMENT	
	Size	<u> Grade</u>	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4"	H - 4 0	42#	1-50' 175'	150:175'	surface
Fresh Water					3865R18-113	p.lertuc
Coal				((88CSA8/12.0	
Intermediate	8 5/8"	H-40	20/23#	1585'	1585'	surface
Production	4 1/2"	J-55	10.5#	5700'	5700	450sks
Tubing					ر.	BBC5818-[1.]
Liners						

Tubing					9065412	F-61. X
Liners						
PACKERS :	KindSizes	,				
3777			Oil and Cas		A	
Fee ((4)	well work F	Bond Bond	Reclamation Market TL	Fund	WPCP Agent
Plac				(Type)	-	,7

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Page	1 of	RECEIVED	٦ ١	Date: October 13, 1993	
	WW2-A	The project of	1) 2)		
	91)	faying contail Protection	2 }	Verna Haught #2	[_
, 20	72/	CT 2 6 83	3)	API Well No: 47 - 01	7
			3)		17 - 4064 nty - Permit
		permitting		State - Cour	ich - betwir
		MAN ON & CHAI		T VIRGINIA	
	DTVTCT			CTION, OFFICE OF OIL A	m az
		ON OF ENVIRONMEN	IAL PROIE	CIION, OFFICE OF OIL A	ND GAS
		NOTICE AND ADDI.	דר איידרא ב	OR A WELL WORK PERMIT	
			TOM T	OR A WELL WORK PERMIT	
4)	Surface O	wner(s) to be se	rved.	5) (a) Coal Operator:	
± g		Andrew & Peggy Bryan			
		43 Backbone Hill Ro		Name Address	
	radicos _	Englishtown, NJ 0		Address	
	(h) Name			e(b) Coal Owner(s) with	Doglarskies
	Address	196 Lido Court	<u>Pamela Mill</u>	Name Eastern Associated	Toel Corp
	(c) Name	Brick, NJ 08724		Address P O Box 1233, CLai	
	Address			Charleston, WV Name	25324
	Address -			Address	
	***************************************			Address	
6)	Thencetor	Mike Underwood		(c) Coal Lessee with I	Naglavatian —
0,	Address	Rt. 2, Box 135		77	
	ACCIESS -	Salem, WV 26420		Address	
	Telephone	(304) - 782-1043	0	Address	
	rerebuone	(304) - 702-1043			
		TO THE DEDCOM/C)	MAMIET AT	SOVE TAKE NOTICE THAT:	
		10 IIII PERSON(S)	NAMED A	OVE TARE NOTICE THAT:	
	Theluded	is the lease on :			
	. Tuctadea	is the lease of .	reases or	other continuing conti	ract or
COLLE	racts by w	nich i noid the i	right to	extract oil and gas OR	
XXX	ize 0/3/	is the information	on requir	ed by Chapter 22B, Arti	icle 1,
Sect	10n 8(a) 0	f the Code of Wes	st Virgin	ia (see page 2)	
- 1	T certify	that as required	d under C	hapter 22B of the West	<u>Virginia Code</u>
ı na	ve served	copies of this no	otice and	application, a location	on plat, and
acco				on the above named	parties, by:
		onal Service (Af			
	Cert	ified Mail (Postr	marked po	stal receipt attached)	
•	Publ	ication (Notice o	of Public	ation attached)	
		effer from deale come actes approximate approximate actes and		men some sted state date that their spin man half state date also date than the same one state also	
	. I have re	ad and understand	d Chapter	22B and 38 CSR 11-18,	and I agree
to t	he terms a	nd conditions of	any perm	it issued under this ar	oplication.
	I certify	under penalty of	f law tha	t I have personally exa	amined and am
tami	liar with	the information s	submitted	on this application for	orm and all
atta	chments, a	nd that based on	my inqui	ry of those individuals	s immediately
resp	onsible fo	r obtaining the i	informati	on, I believe that the	information
is t		ate, and complete			
	I am awar	e that there are	signific	ant penalties for submi	itting false
				of fine and imprisonmer	
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	NOTARY			If Thous	
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	TANETS. (Pry Rt. 2, BOX 7		3S	P O Box 26	
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Carle and the second		rerebi		04-842-6256	
Subs	cribed and	sworn before me	this 147	day of October	1 Q
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		Janet S.	Table	£	,
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My c	ommission	expires	Jabbe	£, 2003	_Notary Public