

BIAS BLUEPRINT INC. Huntington, W.V.

IV-35 (Rev 8-81)





OIL & GAS DIVISION State of Mest Mirginia
DEPT. OF MINES Repartment of Mines

Wil und Cas Division

	March	9,1984					
Operator's							
Well No. 2 - 1966							
Farm_	Willia	m Woods	Jr.	#2			
ADT N	47 -	053	-	0325			

(Continue on reverse side)

WELL OPERATOR'S REPORT

OF.
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DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil (If "C	_/ Gas <u>x</u> / ] Gas," Production	Liquid Inject	rour	/ Was	ste Disposal age/ Deep	/ / Sha	llow_X	_/)
LOCATION: Elevat:	ion: 840'	Watershed	*	Ohio	River			
Distric	ct: Clendenin	County	Maso	n	_Quadrangle	Apple	Grove	
COMPANY UNION D		26201	T				Cement	
ADDRESS P.O.Dra				Casing	1	Left	fill u	dr
DESIGNATED AGENT_				Tubing	Drilling	in Well	Cu. 1	Et.
ADDRESS P.O.Dra	•	•		Size 20-16			•	
SURFACE CWNER W				Cord.				
ADDRESS Gallipo		23313		13-10"	23'			
MINERAL RIGHTS OW	NER Same		•	9 5/8	1024.25		391	cf
ADDRESS_				8 5/8		·		
OIL AND GAS INSPE		<u> </u>	•	7	2126.15'	725.10'	58	cf
rry Tephabock ADD		101-A,Ripley WV 25271		5 1/2			<u> </u>	
PERMIT ISSUED_			•	4 1/2	3359.55'		147	cf
DRILLING COMMENCE				3				
DRILLING COMPLETE			•	2				
IF APPLICABLE: F CONTINUOUS PROGRE REWORKING. VERBA	SSION FROM DRI	ILING OR		Liners used			:	
ON			-		D	th 300	·	
GEOLOGICAL TARGET	•				Dep V / Cabl		<u> </u>	feet
<del>-</del>	pleted well_							
	depth: Fresh							no
Coal seam de	epths: 320/330			IS COS	n pend um	ed in the	area:	
OPEN FLOW DATA		See	bere	<u> </u>				
Producing fo	ormation	Huron		I	Pay zone dep	th 3350	1	feet
Gas: Initia	al open flow	show Mcf/	'd	Oil: 1	Initial open	flow	B	pr/q
Final	open flow	Mcf/	/đ	I	Final open f	low	B	bl/d
7	time of open f	low between i	initi	al and	final tests	6 days	XIDEK	
Static rock	pressure not to	aken psig(sw	cface	neasw	rement) afte	rhot	ırs shu	t in
(If applical	ble due to mul	tiple complet	tion-	. <b>-</b> )				•
Second produ	ucing formation	n			Pay zone dep	oth		feet
Gas: Initi	al open flow_	Mcf,	/d	Oil:	Initial oper	flow	E	p/ld
Final	open flow	Mcf,	/d	Oil:	Final open f	low	Е	p/19
•	Time of open f	low between :	initi	ial and	final tests	h	<b>对解</b> 2	6 198
Static rock	pressure	psig(sur	face	measur	ement) after	ha	urs shu	ıt in

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Nowsco - 1 stage Foam Frac - 3/7/84

2901/3350 - Huron & Angola Shale - 60,000# 20/40 sand, 140 Bbls water and 847,200 scf nitrogen

2901 3230 - H 3030 - 3330 - J 3330 - 3350 - A WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas		
Sand & Shale Coal Red Rock Sand & Shale Berea Upper Huron Lower Huron Angola Shale	0 320 330 805 2054 2900 2952 3232	320 330 805 1201 2070 2914 3230 3352 3404	1/2" stream water @201,320' T.D. gas show		
H 2880 - 3230 (850)  = 3250-3530 (106)			er until the environment of the		
A 3 43 0 -					
			·		
			·		
· · · · · · · · · · · · · · · · · · ·	•		-		

(Attach separate sheets as necessary)

UNION	DRILLING, INC.	
Well Operator		
By: Joseph 1.	Letter	·
	tey, Vice President	of Production
	•	

3/13/84

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including and, encountered in the drilling of a well."

FORM IV-2(B) (Obverse) 7-83



1)	Date: Dec	ember 8	, 19_ <sup>83</sup>		
2)	Operator's	1064 651	eren i en kongresi		

Well No.\_ <u> 1966 (2)</u> 3) API Well No.

47 -053 - 0325 State County

Permit

File

## STATE OF WEST VIRGINIA

							TION FÓR A WELI	<ul> <li>* *1::.12</li> </ul>	UN	
4) WELL TYPE: A Oil Gas X ?							•			37
•	LOCATIO	•	vation:	840.			/ Underground s	Ohio River	/ Deep	$\underline{\hspace{0.1cm}}$ Shallow $\underline{\hspace{0.1cm}}$
5)	LOCATIO			lenden			County:	Mason	Ouedrandle	Apple Grove
٤)	WELL OP	DIS DATOD				Inc.			AGENT Joseph	C. Vanzant, Jr.
. 0)	Address	Doc	st Off	ice Dr	awer	40		Address	Post Office	
			khann	on, WV	263	201		11441000	Buckhannon.	
8)	OIL & GAS	S INSPEC	TOR TO	BE NOTII				DRILLING CO		
Address Route 1, Box 101-A								Address	Post Office	
			oley,	<i>N</i> V 2	5271				Buckhannon.	WV 26201
10)	PROPOSE	D WELL	WORK:	D	X	_/ Dril			/ Stimulate	X
				-				te new formation_		
	ano: 00:	C. I. T. D.					in well (specify)	WER HUR	204	and the same of th
11)	GEOLOGI				30			NEK IJUK		
	12) Estima					?	feet	2	64	OIL & GAS DIVISION
	13) Appro		•			?	feet; salt,	l being mined in the	feet.	CIL STORY OF THE PROPERTY OF
1.5	14) Approx		-			•	15 COa	i being mined in the	area? res	NOT ALL LA
,		וו זפטן מאז				į	FOOTAGE IN	TERMAL C	N CENTERIA PARA	h nagyana
	SING OR BING TYPE		ł	IFICATIONS Weight	ì				CEMENT FILL-UP OR SACKS	PACKERS
	i	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	<u> </u>
	ductor	11-3/4	<u> </u>	32		X	30'	30'		Kinds
	h water			<del> </del>		<del>                                     </del>		-		
Coal		0 5/0	ļ	27		75	1000	10001		Sizes
	mediate luction	8-5/8		23 10½	v	<u> </u>	1000' 3000'	1000' 3000'	210 sacks <b>(</b> 640 sacks	Depths set
Tubi	· · · · · · · · · · · · · · · · · · ·	AN 43	. J	11/2	A	<del>                                     </del>	1 1000	5000 1440		per by rule (50)
Line			<u></u>		<del>, , ,</del>			1	Br CCS /	Perforations.
	····		. 35 12 6	1111		1	2.1 /420 / 1 / 1 / 1	agenta gradina <del>gradina</del> ang kabalan		Top Bottom
		José E					į	447		
- 15			or to take take to the					3 4 2 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
		(*			<del>ejr.on</del>	ببين	عير سيز			Bayerson and the second
				·,,			OFFICE USE C			
Dore	nit number		47-053	3-0325			DRILLING PE	RMIT	Dec	farsk slov lieW ember 29, 1983
r Ci i							- :	•	Dai	teach oil: la colodosicom?
This	permit cove	ring the w	ell operato	or and wel	location	on show	n below is evidence o	f permission grante	***	ice with the pertinent legal re-
quir No.	ements subje 8) Prior to th	ct to the co	onditions of ro	contained ads, locati	herein a ons and	and on the pits for	he reverse hereof. Not any permitted work.	ification must be gi In addition, the we	ven to the District Oi	l and Gas Inspector (Refer to stractor shall notify the proper.
		-			• • .	4 1	work has commenced	•		The of Chineses A. Add that was The Store T. I.
		ork is as de	escribed in	the Notic	e and A	Application	on, plat, and reclama	tion plan, subject to	o any modifications a	nd conditions specified on the
	rse hereof. nit expires _		Decen	nber 29	, 198	35	unless well	work is commenced	prior to that date and	prosecuted with due diligence.
	OTALR EVSENCIONS									
В	ond:	Agen	tiy	Plat:	Casir	ng	Fee		,	WITH THE PROPERTY OF STREET
k	ET DON		) )	n I I	m		594 7	<b>M</b>	11/	Reason
• ¶ 3.	1 B ALL N		-   //		// '0	7  -	./	1 Wranno	t-1 / /an	
			•					/ Admi	nistrator, Office of C	Dil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.