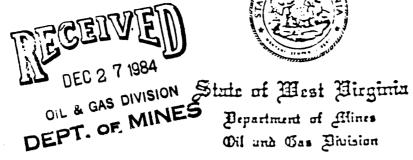


BIAS BLUEPRINT INC. Huntington, W.V. In-le Wannamed In

IV-35 (Rev 8-81)





Date	December 19, 1984
Operat	cr's
Well :	io. 2 - 2109
Farm_	Stanley Brothers.Inc. #
ADT M	47 - 053 - 0361

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil / Gas X / Liquid Injection (If "Gas," Production / Underground	/ Waste nd Storage	e Disposal e/ Deep	/ / Shal	llow_X_/)				
TOCATION: Elevation: 576' Watershed Ei	ighteen Mi	le Creek o	f Ohio Riv	ver				
	OCATION: Elevation: 576' Watershed Eighteen Mile Creek of Ohio River  District: Hannan County Mason Quadrangle Glenwood							
DIBC100		•						
·								
CMPANY UNION DRILLING, INC.								
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201	Casing	Used in	Left	Cement fill up				
DESIGNATED AGENT Joseph C. Vanzant, Jr.	Tubing	Drilling	in Well					
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201	Size							
SURFACE CWNER Stanley Brothers, Inc.	20-16 Cord.							
ADDRESS Box 1546, Huntington, WV 25701	13-10"							
MINERAL RIGHTS OWNER same	9 5/8	511.30'	511.30'	190 cf				
ADDRESS	8 5/8							
OIL AND GAS INSPECTOR FOR THIS WORK	7	2035.10'	707.30'	59 cf				
Jerry TephabockADDRESS Rtl,Box 101A,Ripley,WV	5 1/2							
PERMIT ISSUED 10/10/84	4 1/2		3145 80'	159 cf				
DRILLING COMMENCED 11/8/84	3		3143.00					
DRILLING COMPLETED 11/13/84	2							
IF APPLICABLE: PLUGGING OF DRY HOLE ON								
CONTINUOUS PROGRESSION FROM DRILLING OR REPORKING. VERBAL PERMISSION OBTAINED	Liners used		-					
ON								
GEOLOGICAL TARGET FORMATION Devonian Sha	le	Dep	th35	00' feet				
Depth of completed well 3280' feet I								
Water strata depth: Freshfeet;	Salt 563'	,800' feet						
Coal seam depths: none	Is coal	being mir	ed in the	area?_no_				
OPEN FLOW DATA - Producing formation Lower Huron	Pas	z zone der	oth 307	6' feet				
Gas: Initial open flow show Mcf/d	Oil: In	itial oper	flow	Bbl/d				
Final open flow 215 Mcf/d								
Time of open flow between init								
Static rock pressure 710# psig(surface								
(If applicable due to multiple completion								
Second producing formation		y zone dep	oth	feet				
Gas: Initial open flowMcf/d								
Final open flow Mcf/d								
Time of open flow between init								
Static rock pressurepsig(surface								
				Narse1985de)				

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

Nowsco - 1 stage Foam Frac - 12/11/84

2812/3076 - Tower Huron - 60,000# sand, 2,000,000 scf nitrogen and 325 Bbls water

## WELL LOG

	714		
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale Red Rock Big Lime Injun Berea Top of Devonian	0 772 1358 1438 1894	772 1166 1438 1510 19 <b>41</b>	1/2" stream salt water @563' 3/4" stream salt water @800'
Upper Huron Shale Lower Huron Shale Angola Shale	2755 2807 3084	2766 3084 3280'	T.D. gas show
i ki e	-		
(1) (103) 3 (1) (103) 6 (2) (10			
813 ! Op 24%			
• •			2720 M17

(Attach separate sheets as necessary)

UNION IRILLING, INC.
Well Operator
By: ) coul " filling
Date: Joseph C.Pettey, Vice President of Production
Joseph C. Fettey, Vice File

12/19/84

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 wil, encountered in the drilling of a well."





1)	Date: Sep	tember	20	, 19_84
2)	Operator's	2100		

Well No. 2109

3) API Well No. 47

No. 47 - 053 - 0361 State County

Permit

## STATE OF WEST VIRGINIA OIL & GAS DIVISION DEPARTMENT OF MINES, OIL AND GAS DIVISION DEPT. OF MINESAPPLICATION FOR A WELL WORK PERMIT

4) WELL TYP	PE: A C	)il	/ Ga	.sX	<u>x</u> _/						
	В (	If "Gas", F	Production	X	x	_/ Undergroun	nd storag	e	/ Deep	_/ Shallow	XX/)
5) LOCATIO		evation:						<u>teen Mi</u>	<u>le Creek of Oh</u>		<u> 010 </u>
		strict: <u>H</u>				_ County: M			Quadrangle:		
6) WELL OP							7) I	DESIGNATE	DAGENT Joseph		
Address		t Offi						Address	<u>Post Office</u>		
	Buc	khanno	n, WV	26	201				Buckhannon,	<u>WV 2620</u>	)1
8) OIL & GA				FIED					CONTRACTOR:		
Name		y Teph					1	Name <u>Un</u>	ion Drilling,		
Address		ite 1,						Address	<u>Post Office</u>		
•	Rip	oley, W		271					Buckhannon,		<u>201                                    </u>
10) PROPOSE	D WELL	WORK:	DrillX		_/ Drill	deeper		Redrill	/ StimulateX	·	
						/ Per					
			Other p	hysical Do	change in	well (specify)_ Shale					· · · · · · · · · · · · · · · · · · ·
11) GEOLOGI					3500'						
12) Estima					0		eet	2			
13) Appro		•	•		?	•	salt,	<u> </u>	feet.		v
14) Appro		-			<u> </u>	Is	coal bei	ng mined in th	ne area? Yes	/ No	
15) CASING A	ND TUB		-						•	t.	
CASING OR TUBING TYPE		SPEC	IFICATIONS Weight	; 1	.	FOOTAG	GE INTER	ALS	CEMENT FILL-UP OR SACKS	PACKERS	
	Size	Grade	per ft.	New	Used	For drilling		Left in well	(Cubic feet)	<u> </u>	
Conductor		/8 H-40		X		30'		30'	to surface	Kinds	-1
Fresh water	9-5/	/8 K-55	30	<u>X</u>	<b> </b>	600'		600'	as required	C73	Dyrul
Coal	ļ <u>.</u>				<del>                                     </del>		-			Sizes	15.0
Intermediate	<u>  7                                   </u>	K-55		<u>X</u>	↓	1800'		800'	as required	1	
Production	4-17	/2 J	10岁	X	1 1	3500'		3500'	as required.	Septing set /U	ule 15.0.
Tubing					1					/	***
Liners	<b> </b>	<u> </u>			1 1					Perforations:	
	<b> </b>	ļ								Тор	Bottom
·	ļ	ļ	ļ		1 1						
	<u> </u>	<u>l</u>								<u> </u>	
					1	OFFICE USI	F ONI	v		<del></del>	
	***					DRILLING 1					
•	47-05	3-0361			•	DIGEEL VG /	. LILIVII		0-4-1	10	0.4
Permit number_	<del></del>								OCTOD	er 10,	19 84
							-		Dat		
This permit cove	ring the v	vell operato	or and wel	l locati	on shown	below is eviden	ce of per	mission gran	ited to drill in accordan	ce with the per	tinent legal re-
No. 8) Prior to t	he constru	ction of ro	contained	nerein	and on the	e reverse hereot.	Notifica	tion must be	given to the District Oil well operator or his con	and Gas Inspe-	ctor, (Refer to
district oil and g								iddriion, inc	wen operator or mis con	tractor shan no	tiry the proper
The permitted w	ork is as d	lescribed in	the Notic	e and	Applicatio	n plat and recl	amation	nlan subject	to any modifications a	nd conditions s	necified on the
reverse hereof.			ber 10			n, plat, and reci	umum.	pium, suojeci	to any mountations a	na conditions s	pecifica on the
Permit expires _	·		De1 10	, 17		unless v	well work	is commence	ed prior to that date and	prosecuted with	n due diligence.
Bond:	Age	nt 1	Plat:	Casi	nø	Fee					
	1.50	. 1	0//	1	", 0	22	4			- /-	
162	<u> </u>	NY	M	rn	116	02		$Y I_{\alpha}$	· /	7 //.	
						_	_/_/	Jur	garet I	Nas	26
							-	Agh	mistrator, Office of O	il and Gas	
NOTE: Keep o	ne copy o	f this perm	it posted	at the c	irilling loc	ation.		//	/		File
		مم	the rever	e side 4	of the ADI	PLICANT'S CO	PV for	nstructions t	o the well operator.		7117
		500	THE SEACES	- SIGE	er ene urt l	LAICHILI S CO	72 A 1UI	man arabita t	o une wen operator.		