

BIAS BLUEPRINT INC. Huntington, W.V.

DEEP WELL- 6-6 Elk-Poca (Sissonville) (192)

OIL & GAS DIVISION



OIL & GAS DIVISIONES State of Mest Mirginia Mil und Cas Pivision

Date	≥ De	ecembe	er 1	0,	198	4	
	ator						
Well	. No.	Broth	nert	on	"A"	#1	-
Farm							
API	No.47	7 _	035	5	- 1	995	

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

(If "Gas," Production X / Undergrou LOCATION: Elevation: 944' Watershed McC				
District: Ripley County Jackson				
Discrete, Repres				
COMPANY TXO Production Corp.				T
ADDRESS 900 Charleston National Plaza Charleston, WV 25301	Caşing	Used in	Left	Cement fill up
Charleston, WW 25301 DESIGNATED AGENT Kenneth Tatarzyn 900 Charleston National Plaza	Tubing	Drilling	in Well	Cu. ft.
ADDRESS Charleston, WV 25301	Size			
SURFACE OWNER Cloyd R. Brotherton	20-16 Cond.		The second secon	
ADDRESS P. O. Box 36, Millwood, WV 25262	13-10"			
MINERAL RIGHTS OWNER Same	9 5/8	916'	916	320 sx
ADDRESS	8 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK Jerry	7	2680'	2680'	90 sx
Tephabock ADDRESS Rt. 1, Box 101-A, Ripley, WV 25371	5 1/2			
PERMIT ISSUED 09-18-84	4 1/2	5671'	5671	250 sx
DRILLING COMMENCED 10-9-84	3			
DRILLING COMPLETED 11-19-84	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED CN	Liners used			·
GEOLOGICAL TARGET FORMATION Newburg		Dep	th 6000	feet
Depth of completed well 4995 PBTD feet	Rotary	/ Cabl	e Tools_	
Water strata depth: Freshfeet;	Salt	feet		
Coal seam depths:				e area?
OPEN FLOW DATA				
Producing formation Devonian Shale	P	ay zone dep	oth 4848'-	3382' feet
Gas: Initial open flow 250 Mcf/d				
Final open flow 250 Mcf/d	F	inal open f	low	Bbl/d
Time of open flow between init	ial and	final tests	<u>h</u>	ours
Static rock pressure 980 psig(surface	e measur	ement) afte	er ₁₂₀ ho	urs shut in
(If applicable due to multiple completion)			
Second producing formation	P	ay zone deg	oth_	feet
Gas: Initial open flow Mcf/d	Oil: I	nitial oper	n flow	Bbl/d
Final open flowMcf/d				
Time of open flow between init	ial and	final tests	5 <u> </u>	ours
Static rock pressure psig(surface		mont) after		are chut in

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

Perf'd Onondaga & Oriskany w/3-1/8" csg gun, 10 gm chg 5048'-52', 5054'-58', 5098'-5102' @ 15/SF & 5139'-44' @ 2 SPF; total 20 shots.

Frac'd Onondaga & Oriskany w/38 bbls HCl, 600 bbls gel, 100 mcf N2, 20,000# 20/40 sd. tested 40 MCFD + 30 bwd w/650 psi SICP. Plugged back to 4995'.

Perf'd Devonian Shale 4845', 4756', 4746', 4741', 4529', 4329', 4394', 4377', 4364', 4334', 4331', 4298', 4272', 4268', 4143', 4087', 4060', total 14 shots.

Perf'd Devonian Shale 3938', 3877', 3812', 3080', 3782', 3761', 3751', 3728', 3699', Huron 3624', 3428', 3410', 3397', 3382'; total 14 shots.

Frac'd Devonian Shale in 2 stages w/ 2 mmcf N2, 500 gal HC1, tested 250 mcfd w/ 980 psi SICP.

			REMARKS
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fres
Sand & Shale	0	821	
*lower Pittsburg Sand	821	.853	
Salt Sands	1416	1877	
Maxon	1885	2031	
Big Lime	2031	2112	
Big Injun	2112	2126	
Squaw	2160	2183	
Weir Sands	2189	2274	
Sunbury	2609	2630	
Berea	2630	2643	Show of gas
Devonian Shale	2643	5034	Show of gas
Onondaga/Huntersville	5034	5130	Show of gas
Oriskany	5130	5148	Show of gas
Helderberg	5148 5348	5348 5675 TD	Show of water
Salina undiff.	3348	20/2 Th	Show of water
		-	
	\$900 CEACH		
76.3P			
well	AND THE PROPERTY OF THE PROPER		

(Attach separate sheets as necessary)

TXO Production Corp.	
Well Operator	
By: Kenneth Tatarzyn	
Date: December 10, 1984	7 W. Sway .

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 wal, encountered in the drilling of a well."



Date:	August	28	19.	84

2) Operator's Well No. <u>Brotherton</u> "A" #1

3) API Well No. 47 - 035 - 1995
State County Permit

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

APPLICATION FOR A WELL WORK PERMIT

4) WELL TY											
	B (I	f "Gas",	Production	1		/ Underground	d storage	/ Deep <u>X</u> n Wolfe Creek,	Shallow _	——————————————————————————————————————	/)
5) LOCATIO											eek C
						County:			Kenna 7.5		
6) WELL OP							DESIGNATE	DAGENT Larry			
Address						<u>Plaz</u> a	Address	900 Charlest		<u>l Pla</u>	ıza
			on, WV		01			Charleston,	WV 25301		
8) OIL & GA	S INSPEC	TOR TO	BE NOTIF	FIED	AEO	Davis	9) DRILLING (CONTRACTOR: A Drilling Co.	_		
		J. MO	XIS /	100	LEIC I ALEU	VILLE, WY	•			***************************************	
Address						927-4591					-
								Elkview, WV	25071		
10) PROPOSE	D WELL	WORK:				-		/ Stimulate	THE PE	$\eta \eta \eta \epsilon$	ne'
							orate new formation		11/29	ad V	/ LC
11) 6501 661	CALTAR	OFT FOR									
11) GEOLOGI							-		AUG AUG	3-0-1	98 4 '
12) Estima						fee <u>844</u>	et ilt,	<i>6</i>			
		_					coal being mined in th		OIL & GA	12 DI/	VISIO
15) CASING A						15 (toar being mmed in tr	ie area! Tes	DEPT. C	FN	HNI
CASING OR	11		IFICATIONS	:		ll FOOTAGE	E INTERVALS	CEMENT FILL-UP			
TUBING TYPE	Size	1	Weight	1			į.	OR SACKS	PACKER	5	
Conductor	9-5/8	Grade	per ft.	X	Used	For drilling	874'300'	(Cubic feet) CTS by 15.0	<u> </u>		
Fresh water	1 3/0				†	10,7,300	0/4 300	1010 09 10.0	Kinds		
Coal	7"			· ·	1	2600"	26001	Dan 35			
Intermediate	1			X_	1	2000-	2600	Per reg 15.) gizes		
Production	4-1/2			Х		5800	5800"	Per reg 15.	Denths set		
Tubing	1 = 1/2					3000	1 3000	101 109 15	Depens ser		
Liners									Perforations:		
									Тор	Bottom	

	·····					OFFICE USE	ONLY				
						DRILLING P	ERMIT				
Permit number_	47-035	-1995						Septem	ber 18.	19	84
				*		-		Date	e		***************************************
This permit cove	ering the w	ell operato	or and well	locati	on show	n below is evidence	e of permission gran	ted to drill in accordan	ce with the pertin	ent lega	l re-
quirements subje	ect to the co	onditions (contained l	herein :	and on th	he reverse hereof	Notification must be	given to the District Oi	and Gas Inspect	or. (Ref	er to
district oil and g	as inspecto	ction of re	s before ac	ions an itual pe	a pits 10 ermitted	r any permitted wo work has commend	ork. In addition, the veed.)	well operator or his con-	tractor shall notify	y the pro	oper
. No. 1							-	to any modifications	- d d***		
reverse hereof.	OIK IS as as	escribed in	the Notice	c and r	appiicati	on, piat, and recial	mation pian, subject	to any modifications ar	na conditions spec	ified on	the
Permit expires _	Septem	ber 18	, 1986			unless we	ell work is commence	d prior to that date and	prosecuted with di	ue dilige	nce.
								•	•		
Bond:	Agen	1	Plat:	Casii	20	Fee					
Branke	1		\sim 1	100	,	1	1 0				
154		011	114		NY	3895	NI	1	. /		
					-		1 larc	garet I	X Jaso	4	
NIOTE TO	_						Ady	hinistrator, Office of O	il and Gas		
NOTE: Keep o	one copy of	this perm	it posted a	it the d	Irilling lo	ocation.	//			-	•,
		Sac.	the reverse	side o	of the Al	PPLICANT'S COD	V for instructions to	the well promoter		Fi	ile