



IV-35 (Rev 8-81)

### State of Mest Mirginia

Bepartment of Mines Gil und Gas Bivision

Date_	Nove	mber	22,	198	5			
Operator's								
Well	No	Stor	er	"A"	#1	_		
Farm								
API N	₩ 47	- (	35		2065			

(Continue on reverse side)

# WELL OPERATOR'S REPORT OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas $\underline{x}$ / Liquid Injection (If "Gas," Production $\underline{x}$ / Underground	n/ Wast und Storag	e Disposal e/ Deep	/ o <u>x</u> / Shal	llow_	/)		
LOCATION: Elevation: 947.52' Watershed Pl	easant Val	lev Run					
District: Ripley County Jack							
COMPANY TXO Production Corp.			_	Cemer	nt.		
ADDRESS 600 Chas.Nat.Plaza, Chas., WV 25301	Caşing	Used in		fill	up		
DESIGNATED AGENT Kenneth W. Tatarzyn	Tubing	Drilling	in Well	Cu.	ft.		
ADDRESS 600 Chas.Nat.Plaza, Chas., WV 25301	Size   20-16						
SURFACE OWNER Wallace & Lorene Stover	Cond.				_		
ADDRESS Route 1, Box 121, Given, WV 25245	13-10"						
MINERAL RIGHTS OWNER	9 5/8	864 KBM	864'KBM	240	sx		
ADDRESS	8 5/8						
OIL AND GAS INSPECTOR FOR THIS WORK Jerry	7	2555'KBM	2555'KBM	190	sx		
Tephabock ADDRESS Ripley, WV	5 1/2						
PERMIT ISSUED September 10, 1985	4 1/2	4994 'KBM	4994'KBM	290	sx		
DRILLING COMMENCED 9-14-85	3						
DRILLING COMPLETED 9-28-85	2						
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners useđ						
GEOLOGICAL TARGET FORMATION Oriskany		Dep	th 5300'		feet		
Depth of completed well 5257 feet	Rotary x						
Water strata depth: Fresh 775' feet;							
Coal seam depths: Is coal being mined in the area?							
OPEN FLOW DATA	-	-					
Producing formation Shale/Berea	Pa	v zone dep	th 2620-49	9581	feet		
Gas: Initial open flow 190 Mcf/d							
Final open flow 190 Mcf/d							
Time of open flow between init							
Static rock pressure 300 psig(surface							
(If applicable due to multiple completion							
Second producing formation		y zone dep	oth		_feet		
Gas: Initial open flow Mcf/d	Oil: In	itial open	flow		Bbl/d		
Final open flow Mcf/d							
Time of open flow between ini-					-		
Static rock pressurepsig(surface					ut <sub>98</sub> in		

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

Perf Shale w/3-1/8" csg gun @ 4958, 16, 11, 05, 4886, 74, 68, 4582, 76, 4436, 26, 18, 12, 4397, 92, 59, 50, 38, 4300, 4295, 90, 76, 09, 4198. Total 24 shots.

Frac Shale w/850 mmscf N2 + 500 gal 15% HCl misted + 20 balls.

Perf Shale @ 4142, 12, 4054, 46, 36, 23, 3982, 70, 30, 06, 3888, 50, 42, 29, 3794, 74, 58, 37, 3676, 52, 10, 3582, 50, 2974'. Total 24 shots. Up Dev > Hurow

Frac Shale w/840 mmscf N2 + 500 gal 15% HCl misted + 20 balls.

Perf Berea @ 2620-28'. Total 17 shots.

Frac Berea: Pmp 250 gal 15% HCl + 7M gal 75% Q foam pad + 6M gal @ 1 ppg + 7M gal @ 2 ppg + 8M gal @ 3 ppg.

#### WELL LOG

	<u> </u>				
FORMATION CO	OLOR HARD	OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Silt, sand & Sand Silt Silt & Shale Sand (Maxon) Big Lime Shale Big Injun Silt & Shale Coffee Shale Berea Shale Oriskany	> .		0' 1198' 1280' 1404' 1705' 2050' 2122' 2142' 2234' 2595' 2617' 2632' 5131'	1198' 1280' 1404' 1705' 2050' 2122' 2142' 2234' 2595' 2617' 2632' 5131' 5257'	water  Show of gas @ 2630' Show of gas @ 3025, 3762, 3890, 4174 4238, 4420, 5184
from searby \$06		ytaloje sess		The state of the s	
Deer washing		11987 T	odnización e e e e e e e e e e e e e e e e e e e		
			THE STATE OF THE S		
	4330	250	CONTRACTOR		
		120			
	4850	80			
alanda.	4930	Const.			
reallyna.	4950				
				RESIDENCE CONTRACTOR OF THE CO	
			8	1	

(Attach separate sheets as necessary)

TXO Production Corp.	
Well Operator	
By: Vatarryn	Kenneth W. Tatarzyn
Date: November 22, 1985	

Regulation 2.02(i) provides as follows: "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including that, encountered in the drilling of a well."



1)	Date: August 27,	1985
2)	Operator's Well No. Stover "A" #1	
3)	API Well No. 47 -035-2065	

Permit

## DIVISION OF OIL & GAS STATE OF WEST VIRGINIA DEPARTMENT OF ENERGYRTMENT OF ENERGY, OIL AND GAS DIVISION

#### APPLICATION FOR A WELL WORK PERMIT

4)	WELL TY									
		B (11	f ''Gas'', l	Production	<u> </u>	<u>X</u>	/ Underground s	torage	/ Deep <u>X</u>	_/ Shallow/)
5) LOCATION: Elevation: 947.52'										
District: <u>KIDLey</u> 6) WELL OPERATOR TXO Production CorpCODE:							ny:Jackson Quadrangle: <u>Kenna</u>			
6)										•
	Address						aza 889	Address		on National Plaza
		Charleston, WV 25301 Charleston, WV 25301								
8) OIL & GAS INSPECTOR TO BE NOTIFIED  9) DRILLING CONT										
Name         Jerry Tephabock         Name         Maddress           Address         Route 1. Box 101-A         Address										
	Address							Address		
Ripley, WV  10) PROPOSED WELL WORK: Drill X / Drill deeper / Redrill / Stimulate X /										
10)	PROPOSE	D WELL I	WORK:							/
				-				ate new formatio		
* * >	ana: aa:		~~~ ~~~		-	-				
11)							475 feet			
	12) Estima	atea aepin c	oi compiet	ea well, .				1		
			-							77
					***************************************		1S CO	ai deing mined in ti	ne area? Yes	/ NoX/
	CASING A	" IND IOBI				21			<b>69</b>	L,
	asing or Ubing Type		SPEC	IFICATIONS Weight	•		FOOTAGE	NTERVALS	CEMENT FILL-UP OR SACKS	PACKERS
		Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	
Con	ductor	L				<del>                                     </del>				Kinds
Fres	ih water	9-5/8	J55_	36#	<u> </u>	<b> </b>	<u>805'</u>	805'	By reg. 15.0	5
Coa		1		"						Sizes
	rmediate	7"	J55_	20#	1	<del> </del>	2650'	2650'	By reg. 15.0	rw-
	duction	<u>⊬-1/2</u>	J55_	10.5	X	-	5300'	5300'	By reg. 15.0	Depths set
Tub				<b></b>		1				
Line	<b>87</b> 5	1				1				Perforations:
		li Ii				1		1		Top Bottom
		1								
		<u>II</u>		<u> </u>	<u> </u>	<u>i II</u>		1	1	
							FFICE USE (	NIT V		
***************************************		·····		~	······································		RILLING PE			
						<i>V.</i>		EXIVERE		
Per	mit number_	47-	035-20	065				***************************************	S	eptember 10 1985
									Dat	e
Thi	s permit cov	ering the w	ell operate	or and wel	l locati	on shown b	elow is evidence	of permission grar	ited to drill in accordan	ce with the pertinent legal re-
quii No	rements subj 8) Prior to th	eci io ine ci Ie construct	onditions	contained	nerein .nc. and	and on the I	everse nereor Not	ification must be a	given to the District Oil well operator or his con	and Gas Inspector, (Refer to tractor shall notify the proper
dist	rict oil and g	gas inspecto	or 24 hour	s before a	ctual p	ermitted wo	rk has commence	d.)	wen operator of ms con	tractor shall notify the proper
The	e permitted w	ork is as de	escribed in	the Notic	e and	Application.	plat, and reclam	ation plan, subject	to any modifications a	nd conditions specified on the
	erse hereof.						· · · · · · · · · · · · · · · · · · ·	, v, v		The Conditions appearate on the
Per	mit expires .	Sep	<u>otembe</u>	r 10,	1097	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	unless well	work is commence	ed prior to that date and	prosecuted with due diligence.
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,										
900	Bond:	Agent	.   -	Plat:	Casi	ing F	ee MAPCB	S&E.	Other	
- Commission	101101	4		Tar.	As.			Saff	Other	
-		MB		MAL	Spri	1 67	845 J MM	<u>LIMU</u>		
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x	Market as		į.		•			2 em/	1 1 / 20	LEXITE X
NO	TE: Keep	one copy of	this perm	nt posted	at the o	irilling locat	10n. <del>D</del>	itector, Di	vision of Oil	and Gas File
				**		246. 4777	TO A BITTLE COST	1 # L = 2 = 2 = 2 = 2	44	2 53-0