



IV-35 (Rev 8-81)

OCT 26, 1988

DIVISION OF OIL & GAS. DEPARTMENT OF ENERGY

State of West Wirginia

Department of Mines
Oil und Tas Bivision

Date 10/24/88				
Operator's				
Well No.	ADAMS #2	E-56		
Farm J. Adams				
API No.0	47 - 017	- 3669		

WELL OPERATOR'S REPORT

OF

DRILLING,	FRACTURING	NND/OR	STIMULATING,	OR	PHYSICAL	CHANGE

WEIL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal / (If "Gas," Production X / Underground Storage / Deep / Shallow X /)					
LOCATION: Elevation: 1118' Watershed BUCKEYE CREEK					
District: GREENBRIER County D			e BTG TSA	AC	
COMPANY TWO TO THE STATE OF THE					
COMPANY EXCEL ENERGY, INC.		·			
ADDRESS P.O. BOX 1020, BRIDGEPORT, WV 26330 DESIGNATED AGENT H.L. BARNETT	Casing	Used in	Left	Cement fill up	
ADDRESS P.O. BOX 1020, BRIDGEPORT, WV 26330	Tubing	Drilling	in Well	Cu. ft.	
SURFACE OWNER GLENN BUNTEN HEIRS	Size 20-16	20'	201	sanded in	
ADDRESS 132 EADE AVE., GLENSHAW, PA 15116	Cond.		200	Sanded III	
MINERAL RIGHTS OWNER J.J. ADAMS, ET.AL.	13-10"				
ADDRESS UNKNOWN	9 5/8				
OIL AND GAS INSPECTOR FOR THIS WORK	8 5/8	1227'	1227'	C.T.S.	
MIKE UNDERWOOD ADDRESS RT. 2, BOX 114, SALEM, WV	7		·		
PERMIT ISSUED 09/09/88 26426					
DRILLING COMMENCED 10/04/88	4 1/2	5569'	5569'	500 sks	
DRILLING COMPLETED 10/11/88	3				
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2				
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used				
GEOLOGICAL TARGET FORMATION ALEXANDER, BENSO	ON	Pont	-h ==	700 61	
Depth of completed well 5559 feet	Rotary X	/ Cable	a Tools	700 feet	
Water strata depth: Fresh 96 feet;	Salt 16	510 feet	. 10015		
Coal seam depths: N/A		being mine	, ed in the	area? NO	
OPEN FLOW DATA		-		-	
Producing formation ALEXANDER	D=	v zona dani	-h 5272	E 17E = .	
Gas: Initial open flow SHOW Mcf/d	Oil: Tr	itial open	flow	- 24/2 Teet	
Gas: Initial open flow SHOW Mcf/d Oil: Initial open flow Bbl/d Final open flow Bbl/d Final open flow Bbl/d					
Time of open flow between initial and final tests hours					
Static rock pressure 1700 psig(surface measurement) after 72 hours shut in					
(If applicable due to multiple completio	m)	andicy diver	- Ilou	is snut in	
Second producing formation BENSON		ıv zone dent	h 5108 =	. 5120 f	
Gas: Initial open flow SHOW Mcf/d	Oil: Tr	itial open	fla: -	2150 TGGE	
Final open flow 474 Mcf/d	Oil: Fi	nal open fi			
Final open flow 474 Mcf/d Oil: Final open flow Bbl/d Time of open flow between initial and final tests hours					
Static rock pressure 1700 psig(surface	ce measure	ent) after	72 hou	irs shut in	

DETAILS OF PERFORMIED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, EIC.

STAGE IN (5273'-5475') 12 holes, 330 sks sand, 500 gal 15% HCL, 170 BBL 75Q Foam. STAGE III (4583'-5001') 13 holes, 330 sks sand, 500 gal 15% HCL, 170 BBL 75Q Foam. STAGE III (4583'-5001') 10 holes, 180 sks sand, 500 gal 15% HCL, 110 BBL 75Q Foam. Brad-s kiley

WELL LOG .

REAL ROCK SAND OR SOFT TOP FEET BOITOM FEET Including indication of all free and salt water, coal, oil and gas and & Shale (Red Rock) 70 462		•		
Red Rock Sand 40 70 70 462 81 82 82 82 82 82 82 8	FORMATION COLOR HARD OR SOFT	TOP FEET	BOITOM FEET	Including indication of all fresh
	Sand & Shale (Red Rock) Shale Sand & Shale (Red Rock) Sand Shale Sand Sand & Shale Sand Shale L. Lime Shale Big Lime Big Injun Shale Gordon Shale & Sand Benson Shale Alexander	40 70 462 640 1341 1415 1605 1618 1920 1973 2104 2120 2210 2289 2900 2950 5110 5130 5440 5490	70 462 640 1341 1415 1605 1618 1920 1973 2104 2120 2150 2210 2289 2900 2950 5110 5130 5440 5490 5638 DTD 5632 LTD	1" Stream H ₂ 0 @ 1610' Show of Gas OCT 2 6 1988 DIVISION OF OIL & GAS

(Attach separate sheets as necessary)

EXCEL ENERGY, ICN.
Well Operator
By: Gadleyed Thona Consultant
Date: October 24, 1988
October 24, 1988

Regulation 2.02(i) provides as follows:

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

CCT 2 3 1988

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1017-3669 David 9/9/88 Expres 9/9/9

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

•			WELL W		APPLICATIO	N /	
1)	Well Op	erator:_	EX	CEL ENERGY,	INC. 1657	0, 4, 2.	52
2)	Operato	r's Well	Number:_	Adams E-5	6	3) EI	levation: 986
4)	Well ty	pe: (a)	011_/	or Ga		•	the de contact of
		(b)	If Gas:	Productio	n <u>x</u> / Underg	round Storag	je_ /
- 1				Dee	P/	Shall o	w_X_/
					enson - Alexar	oder	
6)	Propose	d Total D	epth:	5650	feet	0 6) ,
						0, 150 7/8,	600
				epths:			
9)	Approxi	mate coal	seam der	oths:7	0-73, 150-154	. 640-643 Possi	bly 876-880'
10)	Does la	nd contai	n coal se	ams tribu	tary to act	ive mine? Y	es/ No_X/
11)	Proposed	i Well Wo	rk: Drill	and Stimulat	e New WK	ell	
12)					•		
			CASIN	G AND TUB	NG PROGRAM		
TYPE	·	S	PECIFICAT	IONS	FOOTAGE II	TERVALS	CEMENT
		Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conduc	ctor	113/4			20	20	Sanded in
Fresh	Water					کیر	2000 PM - 11. 3
Coal		85/8		23#	1050	1050	C.T.S.
Intern	nediate					•	
Produc	tion	41/2		10.5#	5600 `	5600	38CSR18-11.1 450 sks
<u> Tubin</u> o					·		450 sks
Liners	j						
PACKERS : Kind							
Sizes							
For Divison of Oil and Cas Use Only DIVISION OF OIL & GAS DEPARTMENT OF ENERGY Of Fee(s) paid: Little Work Dermit Reclamation Fund WPCP							

(Type)

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DIVISION OF OIL & GAS DEPARTMENT OF ENERGY 3)

Date	e.:_ <i>Au</i>	GUST	12,1	988		
Ope	rator	s we 56	11 ńur	mber		
API	Well	No:	47 -	017_	_	3669
						Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

1) Su	rface Owner(s) to be served:	5) (a) Coal Operator:
) Name GLENN BUNTEN	Name
Δđ	dress 132 EADE AVENUE	Address
	GLENSHAW PA. 15116	
(b) Name	(b) Coal Owner(s) with Declaration
Ad	dress	Name WILLIS G. TETRICK, JR.
	*	Address Clo UNION NATIONAL BANK BLAG.
(c) Name	CLARKSBURG W.V. 26301
Ad	dress	Name
		Address
5) In	spector Mike UNDERWOOD	(c) Coal Lessee with Declaration
Ađ	Idress Rr. 2 Box 114	Name
	SALEM LUY, 26426	Address
Te	lephone (304)- <u>'782-1043</u>	
	TO THE PERSON(S) NAMED AB	OVE TAKE NOTICE THAT:
In	cluded is the lease or leases or	other continuing contract or
contrac	ts by which I hold the right to	extract oil and gas OR
X In	cluded is the information requir	ed by Chapter 22B, Article 1,
	8(d) of the Code of West Virgin	
· I	certify that as required under C	hapter 22B of the West Virginia Code
		application, a location plat, and
		on the above named parties, by:
	Personal Service (Affidavit a	
_	Certified Mail (Postmarked po	
	Publication (Notice of Public	ation attached)
I to the	have read and understand Chapter terms and conditions of any perm	22B and 38 CSR 11-18, and I agree it issued under this application.
Ţ	certify under penalty of law tha	t I have personally examined and am
		on this application form and all
attachm	ments, and that based on my inqui	ry of those individuals immediately
		on, I believe that the information
	e, accurate, and complete.	
		ant penalties for submitting false
	ation, including the possibility	
	Well Operator	
		Gran SARA AMAN
	Its: CORPORA	
	Address P.O.B	ox lozo
		EPORT WY 26330
	Telephone (30	
Subscri	ibed and sworn before me this 12	
		7.
	1/ Jon (4	Notary Public
My comm	nission expires $\frac{\mathcal{V}}{}$	- 70 /90
		•