



IV-35 (Rev 8-81)

State of West Birginia

Bepartment of Mines Gil und Gas Bivision

Date	July 20, 1984
Operator's Well No.	CB#4
Farm F	
API No. 47	7-099-1804

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil // Gas // Liquid Injection (If "Gas," Production / Undergrou	/ Wast	e Disposa me/ Deem	l/ p/ Sha	llow /)
LOCATION: Elevation: 995 Watershed	DUSENS	Fran K.		<i>W</i>
District: STONEWALL County W	AUNE-	Quadrangle	= KA	154.66
	7			
COMPANY BAOGER DIL É GAS Co. Ave.				
ADDRESS POBOX 299 CULLOON INV 25510		~		
DESIGNATED AGENT JACK DYCK, OR.	Casing	Used in	Left	Cement fill up
ADDRESS POBOx 299 Cuccosed WV 25510	Tubing	Drilling	in Well	Cu. ft.
	Size 20-16			
ADDRESS W. PORTSMOUTH OH 45662	Cond.			
MINERAL DICIPIC CLARED A 43662	13-10"	2/	0	
MINERAL RIGHTS OWNER COLUMB A GO TRANSMISSON ADDRESS PIBOX 1273 Charles To J W 25325	9 5/8			
	8 5/8	402'	4021	80 s K
HOLCOMB ADDRESS HAMLIN WV	7	1611	1611	
	5 1/2			
PERMIT ISSUED 10-3-83	4 1/2			
DRILLING COMMENCED 3-3-84 DRILLING COMPLETED 6-30-84	3			
	2	3850	3850	
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR	Liners			
REWORKING. VERBAL PERMISSION OBTAINED	used			
ON	<u>L</u>			
GEOLOGICAL TARGET FORMATION Browd SHA				57 feet
Depth of completed well 3857 feet R	otary	/ Cable	⊇ T∞ls_	
Water strata depth: Fresh 85 feet;				
Coal seam depths: 55-58	Is coal	being mine	ed in the	area? No
OPEN FLOW DATA				
Producing formation Beaws SHALL	Pav	zane dept	-h 374	157 foot
Gas: Initial open flow /O Mcf/d				
Final open flow 65 Mcf/d	Fir	al open fl	Low	Bh1 /d
Time of open flow between initi				
Static rock pressure /55 psig(surface				
(If applicable due to multiple completion-				
Second producing formation		zone dept	<u>t</u> h	feet
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d				
Time of open flow between initi				
Static rock pressure psig(surface	measureme	ent) after		
DE DE	C 1 7 1984			vense side

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

OPEN HOLE SHOT Rhinest = Huron 3840 to 2875 SHOT 61662/3165 8070 gent.N

NO BR. DLING OF HOLE

Huron-2875-Rhinest -- 3840

WELL LOG

TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
0	5	
5	55	
55	58	
58	74	
74	78	0 1/0 0-1
18	85	water hole full@ 85'
85	100	
-		
1	8	
S	1	
1	8	
1 -		
a	1 —	
	1 '	
	3	
¥ * . ·	T	
	•	
910		Gas at 1070' + 1095"
1000	1175	
1175	1195	water hole full @ 1110
	0558118800500000055505501800500005500550	0 55 58 74 78 85 78 78 85 79 78 78 85 79 78 78 78 78 78 78 78 78 78 78 78 78 78

(Attach separate sheets as necessary)

BADGER DIE MO GAS. Co. 2	Nc.
Well Operator	
White Dear	Dan
By:	P100.
Date: ()414 20 1984	* . No
710	inger .

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 coul, encountered in the drilling of a well."

BADGER OIL & GAS Co., INC.

•			
FORMATION	TOP	Bottom	Remarks
Sand	1195	1290	
slate	1290	1310	
Sand	1310	1442	
Slate	1442	1452	
Maxum Sand	1452	1548	
ittle Lime	1548	1573	
Slate	1573	1582	
Big Lime	1582	1596	
late * Lime	1596	1599	
ime	1599	1785	
Injun Sand	1785	1824	
late	1824	2360	
roun Shale	2360	2385	
erea Sand	2385	2410	
late	2410	2495	
Frown Shale	2495	2540	
late	2540	3240	show gas at 3125
Brown Shale	3240	3425	
Shale	3475	3805	
ark Shale	3805	3854	show gas at 3830
ime Ononcogo	3854	3857	
Cr.		Франция от технология и поставления от технология от технология от технология от технология от технология от т	

3857 995 2862



1) Date: August 10

2) Operator's

State

Well No._ 3) API Well No. <u>47</u> 1804 099

County

Permit

DRILLING CONTRACTOR:

Dyer Well Service, Inc.

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

Cull		1.11/	25510
<u> </u>	I U U C II 9	AS A	<u> 23510 </u>

<u>currouen.</u>	WV 255)] [(UIL AN	D GAS V	VELL PERMI	IT AP	PLICATION			
4) WELL TYPE	E: A Oil	X	/ Gas	Χ	,						
,						Underground s	storage	<u>.</u>	/ Deep	/ Shallov	w <u>X</u> /)
5) LOCATION		ion:	995'						Kiah Creek-		
	Distric		newall			•	<u>a yn e</u>			<u>Kiahsvil</u>	
6) WELL OPER				as Co	o., in	<u>C.</u> 1	11) D		AGENT Jack		<u>Jr.</u>
Address	P. C). Bx 2 oden.		510	· · · · · · · · · · · · · · · · · · ·			Address	P. 0. Box		^
7) OIL & GAS	<u> </u>	ouen.	WV ZJ	310					<u>Culloden</u> ,	<u>WV 2551</u>	<u>U</u>
ROYALTY	WNER _	Columbi	a Gas	Trans	smissi	on , 1	(2) C	OAL OPERA	TORColumb	ia Coal C	O .
Address	P. O.						·	Address	Ashlan		
		eston,	WV 2	5325	···					······································	
Acreage 8) SURFACE O	225 F1	ovd To	nnin			1		OAL OWNE	R(S) WITH DECLA	RATION ON	RECORD:
Address			raig Ro	a d			N		umbia Coal Axhxxxxxxxx		bland VV
71441033		ie, WV	25570					Address	X 2205 X 5 X 5 X 5 X		
Acreage	149.						N	ame	ARREARRARA	<u>XAAAAAAA</u>	<u>BEKANBAKA</u>
9) FIELD SALE	E (IF MADE	E) TO:						Address			
Address											
10) 077 0 0 4 0						1	.4) C	OAL LESSEE	WITH DECLARA	TION ON RE	CORD:
10) OIL & GAS I							N	ame		·····	
Address		. Box			******			Address		· · · · · · · · · · · · · · · · · · ·	
			V 248	18							***************************************
15) PROPOSED	WORK:	Drill X	/ D	rill dee	per	/ Redril	11	/ Frac	ture or stimulate_		lad.
			old format	ion		Perforate	new fo	ormation	/		
			sical chang				************************	· · · · · · · · · · · · · · · · · · ·			
 GEOLOGICA Estimate 											
18) Approxim							salt.	900	feet.		- Sound State (
									area? YesX	/ No	,
20) CASING AN						£.		, mmea m me	area: 163	/ 140_	
	11				ıJ						
CASING OR TUBING TYPE			CIFICATIONS Weight			FOOTAC	GE INTE	RVALS	CEMENT FILL-UP OR SACKS	PAC	KERS
Conductor	Size	Grade	per ft.		Used	For drilling		Left in well	(Cubic feet)	_	
Fresh water	10 3/4 8 5/8		<u> </u>	X		<u>60'</u> 300'	-	<u>60'</u> 300'	Computed to	Kinds	
Coai	6 5/8			X		1700'	+	1700'	Cemented to Circulate	surface Sizes	to by Rule
Intermediate						2700	1	1,00	Cricarace	31265	
Production	4 1/2	-		Χ		1950'		1950'	Cemented -	Depths set f	ill-up
Tubing	2 3/8			X		<u> 1950'</u>		1950'	400' TD		•
tiners										Perforations:	
										Тор	Bottom
		-					+-				
21) EXTRACTIO	N RIGHTS	I.			Н				Щ		
Check and pro	ovide one of		•								
Include The rec	d is the leas	e or leases	or other co	ontinuin	ng contrac	t or contracts	by wh	ich I hold the	right to extract oil	or gas.	
22) ROYALTY P			4-1-(c) (1) t	nrougn	(4). (See	reverse side fo	or spec	cifics.)			
Is the right to	extract, proc	iuce or ma	rket the oil	or gas b	ased upor	a lease or oth	er con	inuing contra	ct or contracts provi	ding for flat we	ll rovalty or any
similar provisi	on for com	pensation 1	to t <u>he</u> own	er of th	e oil or g	as in place wh	nich is	not inherently	related to the volu	me of oil or g	as so extracted,
produced or n f the answer above				ded If	the ancive	ric Vac vou		a Affidanie T	o 17/ 60		
 Required Cop 	ies (See reve	rse side.)									
24) Copies of this	Permit App	olication ar	nd the enclo	osed pla	it and recl	amation plan	have b	een mailed by	registered mail or	delivered by ha	nd to the above
named coal of Mines at Char	derator, coa:	l owner(s), t Virginia.	and coal le	essee on	or before	the day of th	ne mail	ing or deliver	y of this Permit Ap	plication to the	Department of
	15/2	-	(-)		1-11		~,		. • • • • • • • • • • • • • • • • • • •	,	
Notary:	2 19	7	1010	11	7/1		Sign	ed:		/	
My Commission	Expires	-1	11/1C	1			I	ts:	***************************************	•	
					OFF	ICE USE C	NLY	7	· · · · · · · · · · · · · · · · · · ·		
and the second of	17.	NOO 4 0-	V.	W. 1, A		LLING PE					
Permit number	4/-(99-180	<u>'</u>	** ***********************************	<u> 1</u>				Octobe		19.83
This permit covering	ng the well o	nerator ar	ad well loon	ition ch	own halo-	v is avidance -	of ma	niccion	D d to drill in accorda	ate noo with the n	
quirements subject	to the cond	itions cont	ained herei	n and c	on the reve	erse hereof. No	otifica	tion must be s	given to the District	Oil and Gas Ir	tenector
(Refer to No. 10) P proper district oil a	rior to the co	onstruction	of roads, l	ocation:	s and pits	for any permit	ted wo	rk. In additio	n, the well operator	or his contracto	r shall notify the
	eas mob		ober 3,								and the
Permit expires			e	エノリ	•	unless dr	rillina i	commanaad	nrior to the iderson		244 July 2011

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

Plat:

Casing

Agent: ¿

Administrator, Office of Oil and Gas

unless drilling is commenced prior to that date and prosecuted with due diligence.