

WR-35



DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

## State of Mest Nirginia

DEPARTMENT OF ENERGY
Dil und Gas Bivision

Date 9/27/88						
Date 9/27/88 Operator's						
Well No. 2						
Farm Lowther						
API No. 47 - 085	<b>-</b> 7652					

WELL OPERATOR'S REPORT

## OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

LOCATION: Elevation: 659' Watershed	<u>Sheep Rur</u>	)		
District: Grant County Ritch	hie (	Quadrangle	<u> Cairo</u>	7.5
			•	•
COMPANY Jay Bee Oil & Gas			- 5.	Cament
ADDRESS 1720 Route 22 East Union N.J.  DESIGNATED AGENT 07083	Casing	Used in		fill up
ADDRESS Rt. L, Box 5, Cairo, WV 26337	Tubing	brilling	TU METT	Cu. ft.
SURFACE OWNER Cozbi Lowther	Size 13 20-16-	50		
ADDRESS 307 E. Main St. Harrisville, WV	Cond.			- 0
MINERAL RIGHTS OWNER Same 26362	13-10"34	300	300	To surfac
ADDRESS "	9 5/8	A STATE OF THE STA		
OIL AND GAS INSPECTOR FOR THIS WORK Samuel	8 5/8	836		
Hurseman ADDRESSRt, 1 Box 240 Harrisvil	7	1820		
PERMIT ISSUED May 21, 1987 WV 26362		3343	3343	250 SKS
DRILLING COMMENCED Nov. 24, 1987	4 1/2	1		
DRILLING COMPLETED Jan. 29, 1988	3			
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2	- 44	OCT 31 1	988
CONTINUOUS PROGRESSION FROM DRILLING OR	Liners	DIVI	I SION OF OL	8 0AS
REWORKING. VERBAL PERMISSION OBTAINED ON	used		RTMENT OF	
	34.40000	Dan	<b>th</b> 500	o foot
GEOLOGICAL TARGET FORMATION Marcellus				
Depth of completed well 3373 feet I				
Water strata depth: Fresh 28 feet;				arna2 N-
Coal seam depths:	15 COdi	pend um	ed 'III elle	area: NO
OPEN FLOW DATA				•
Producing formation Shale	Pay	zone dep	th 325	0 feet
Gas: Initial open flow show Mcf/d				
Final open flow ? Mcf/d				
Time of open flow between init:		_		
Static rock pressure psig(surface	e measurem	ent) after	r hou	rs shut in
(If applicable aue to multiple completion-	1			
Second producing formation	Pay	zone dep	th	feet
Gas: Initial open flow Mcf/d	Oil: Ini			
Final open flow Mcf/d Time of open flow between init				

3200 -	<u>32</u> 30		perfs
2950 -	<u> 29</u> 80	20	1

1 M N<sub>2</sub>

## WELL LOG

The state of the s							
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas				
Misc. Red Rock Shales	, O	1030					
Shares	1030	1085	Gas @ 1402 🗕				
Grey Shales/Sand Sand Lime Sand	1085 1460 1451 1536 1690	1460 1451 1536 1690 3373 TO-	Oil @ 1420— Gas @ 1546— Gas @ 1546— Oil @ 1550— Sand				
and the second s	a communication of the control of						
404 2050 813 330			OCT 06 1988  DIVISION OF OIL & GAS DEPARTMENT OF ENERGY				
			OCT 31 1988  DIVISION OF OIL & GAS DEPARTMENT OF ENERGY				

(Attach separate sheets as necessary)

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 including of a well."

10001

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



1) Date: April 16 19	87
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2) Operator's Well No. Lowther No.

3) API Well No. 47 085 7652
State County Permit

File

## STATE OF WEST VIRGINIA

CHARLES ON THE THE E CAC DEPAR	RTMENT OF ENERGY, OIL AND GAS DIVISION
DEPARTMENT OF ENERGY	APPLICATION FOR A WELL WORK PERMIT

DEPA	ARTMEN	TOF E	<b>VERSY</b>		···	IOIVION II WEE	D WORK I DRIVITI	••	,	
4) WELL TY	PE: A C	Dil	/ G	as	<u> </u>					
	В (	If "Gas",	Productio	n	<u> </u>	_/ Underground s	storage	_/ Deep	_/ Shallow _	X
5) LOCATIO	N: Ele	vation: _	65	91		Watershed:	Sheep Ru			,
		strict:		ant_	_2_		35 Ritchie	Quadrangle:	Cairo 7.	5' 275
6) WELL OF	ERATOR	_Jay-	Bee O	<u>&amp; G</u>	CODI	E: <i>24610</i>	7) DESIGNATED		dy Broda	
Addres			Rt. 2		st	429	Address	Rt.	1. Bcx 5	
•		Unio	n, NJ	0708	33			Cai	ro, WV 26	337
8) OIL & GA	S INSPEC						9) DRILLING CO	NTRACTOR:	-	
Name			<u>el Her</u>				Name		,	
Addres	s		Box 6				Address			
		Smit	<u>hville</u>		<u> 26178</u>	3				
10) PROPOSE	ED WELL	WORK:	Drill	Х	_/ Drill	deeper	/ Redrill	/ Stimulate	<u>X</u> _, .	
			Plug of	f old f	ormation_		ate new formation_			
			Other p	hysical	change in	well (specify)				
II) GEOLOG	ICAL TAR	GET FOR	MATION	, <u>M</u> a	ircelli	ıs ⊅				
12) Estim	ated depth	of complet	ed well,	50	000 🚶	feet				
13) Appro	oximate trat	a depths:	Fresh, _		40'	feet; salt,	N/A	feet.		
14) Appro	ximate coa	l seam dep	ths:	N/	′A	Is coa	al being mined in the	area? Yes	/ No	Χ /
15) CASING	AND TUBI	NG PRO	GRAM							
CASING OR	1	SPEC	IFICATION	5	H	FOOTAGE II	NTERVALS	CEMENT FILL-UP	PACKE	RS
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)		
Conductor	10"					3001	300'	CTS	Kinds By Ru	10 15 05
Fresh water	1						300		Killes Dy Ku	16 12.02
Coal	8 5/8'					1200'	0		Sizes	Market and the second
Intermediate	7"					2000'	0		Sizes	
Production	41211					5000 <b>'</b>	5000'	By Rule 15.0	Depths set	
Tubing	1 2		1			5000	3000	02 500 SVS	Deptils set	
Liners	1		<b> </b>					106 200 XC	Perforations:	
	1		1						<del> </del>	
;	#		<u> </u>				5).		Тор	Bottom
			<u> </u>							
<del></del>			<b>!</b>		<u> </u>			I	d	
									( , )	7 74 480, 7
						OFFICE USE C	NI V			
· · · · · · · · · · · · · · · · · · ·						RILLING PE				
	4.7	_005_7	450		_			W 21	r ag San	. 07
Permit number_	47	-085-7	032					May 21		19 87
								Dat		
This permit cove	ering the wo	ell operato	or and wel	llocatio	on shown t	pelow is evidence of	f permission granted	d to drill in accordan	ce with the perti-	nent legal re-
o. 8) Prior to th	e construct	ion of ros	ds. locatio	ne and	nits for an	v nermitted work	fication must be given In addition, the we	en to the District Oil	and Gas Inspecto tractor shall noti	r, (Refer to
district oil and g	as inspecto	r 24 hours	before ac	tual pe	rmitted wo	ork has commenced	1.)	•	1 - 1	
The permitted w	ork is as de	scribed in	the Notic	e and A	pplication	, plat, and reclama	tion plan, subject to	any modifications ar		
everse hereof.					••			,		
Permit expires _	Ma	y 21,	1989			unless well	work is commenced	prior to that date and	prosecuted with o	lue diligence.
				···				_	•	
Bond:	Acont	, ,	a at .	Caad	70	TIDOM	222			., 914
Bolla:	Agent	.   1	lat:	Casi		ee WPCZ		Other	1	
		K	152	$L\Delta$	<u>/</u>		11/2/	2611 /		75
						7	7/ //	11111/		
								14 1 // I	7	