



WR-35

OCT 15 1987 Oil und Oss Bivision

Pate OCTOBER	7,	87
Operator's Well No.KEYS	#2	231-S
Farm		
ADT No. 47	005	1011

DIVISION OF OIL & GAS WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil / Gas X / Liquid Injection (If "Gas," Production X / Underground	n/ Wast und Storag	e Disposa e/ Dee	l/ p/ Sha	illow X /)
LOCATION: Elevation: 960 Watershed MII	DDLE ISLA	ND CREEK	· • • • • • • • • • • • • • • • • • • •	· ·
District: CENTERVILLE County TYLER		Quadrangl	WEST U	NION
CARINA CHOMBINE				
COMPANY STONEWALL GAS COMPANY				
ADDRESS PO DRAWER R, JANE LEW, WV 26378 DESIGNATED AGENTCHARLES W. CANFIELD	Casing	Used in	Left	Cement
ADDRESS PO DRAWER R, JANE LEW, WV 26378	Tubing	Drilling	in Well	fill up Cu. ft.
SURFACE CHIER DWIGHT R. HUSK	Size		,	
	20-16 Cord.			
ADDRESS RT 5, BOX 138 MECHANICSVILLE, MD	Cord.	189'	189'	100 SKS
MINERAL RIGHTS OWNER PAUL HYLBERT	9 5/8		203	TOO BRB
ADDRESS 11 MIDDLE MARSH RETREAT, SAVANNAH,	8 5/8	1441'	1441'	310 SKS
LOWTHER ADDRESS MIDDLE BOURNE, WV 26149	7			
	5 1/2			
PERMIT ISSUED SEPTEMBER 18, 87	4 1/2	5025'	5025'	210 SKS
ORILLING COMMENCED SEPTEMBER 25, 87	3	3023	3023	EIO SKS
DRILLING COMPLETED OCTOBER 1, 87	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED IN	Liners used			
GEOLOGICAL TARGET FORMATION BENSON		Dept	h4850	fe et
Depth of completed well 5025 feet R	otary X	/ Cable	Tools	
feet;	Salt 1665	feet		
Coal seam depths: 130 to 133	Is coal b	eing mine	d in the	area? N/A
OPEN FLOW DATA	:			
Producing formation BENSON	Dáss	zono donk	· ·	_
Gas: Initial open flow 83 Mcf/d	Fay Dile :Tni+	zone dept	4850	feet
Final open flow 919 Mcf/d	Fina	nar Open	TION N/A	
Time of open flow between initia	al and fir	al tests	N/A	
Static rock pressure 1550 psig(surface	measureme	ent) after	72 have	urs an abust in
(If applicable due to multiple completion-	-)	-,0, 4:00	<u>/2</u> 1800	is sinc in
Second producing formation RILEY	Pav	zone dent	ከ	foot
Gas: Initial open flow 83 Mcf/d	Oil: Init	ial open	flow save	Jeet Bhi/a
Final open flow 919 Mcf/d	Oil: Fina	l open fl	OW NI/	9 BP1 \3
Time of open flow between initial	-12 Ei-	-1		
Static rock pressure 1550 psig (surface 1	measuremen	t) after	72 6 2011	esashannin
	•			2 fi e 1987 de

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

PERFS <u>BENSON</u> 4850 - 4858	HOLES	BBL	SAND	B.D.	I.S.I.P	
RILEY	10	830	70,000#	1850#	1650#	
4431 - 4460	16	985	66,000#	1700#	1550#	

WELL LOG

			7		
FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	
CLAY & FILL	GREY	SOFT	0	15	and salt water, coal, oil and
RED ROCK	RED	SOFT	15	130	
COAL	BLACK	SOFT	130	133	
SAND & SHALE	BROWN	SOFT	133	1362	
SHALE .	GREY	SOFT	1362 i	1830	H ² 0 1665' DAMP
BIG LIME	TAN	HARD	1830	1920	
BIG INJUN	TAN	HARD	1920	2020	
WEIR	GREY	SOFT	2170	2280	GAS CK @ 2289 NO SHOW
BEREA	GREY	SOFT	2380	2390	
GORDON	GREY	SOFT	2580	2630	
WARREN	GREY	SOFT	3280	3320	GAS CK @ 3336 NO SHOW
RILEY	BROWN	HARD	4430	4520	GAS CK @ 4533 NO SHOW
BENSON	BROWN	HARD	4850	4920	GAS CK @ 4996 4/10 11 "H
T.D.				5157	GAS CK @ 5150 20/10 11"
					DECEIVED OCT 1 5 1987

(Attach separate sheets as necessary)

By: BENJAMIN A: HARDESTY, VICE PRESIDENT

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detoiled outlooical record of all formations, including of a weil."

FORM WW-2 (B) FILE COPY
(95)
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SEP 0 2 1987



1) Date: SEPTEMBER 1	, ₁₉ 87
2) Operator's A.I. KEYS #2	
3) API Well No. 47 - 095	1211

County

STATE OF WEST VIRGINIA

DIVISION OF OIL & GAS

DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

DEPARTME	MI OF I	LINERGI	7	<u>A</u> .	FFLICA	TION FOR A WEL	L WUKK PERMI	<u>.</u>	
4) WELL TYI	_		/ G						
	B (If "Gas",			X	/ Underground s	-	/ Deep	_/ Shallow X/)
5) LOCATIO		evation: _	960 CENTE		TTE	Watershed:		SLAND CREEK	<u> </u>
		strict:	CENTE			County: TY	•	Quadrangle:	
6) WELL OP	חס	DRAW	<u>IEWALI</u> IER R	. GA	S_ CO 01	DE: <u>47850</u>	,	DAGENT CHARL	
Address		NE LE		7 26	378 - 0	0080	Address	PO DRAW	
					3/0-			JANE LEV	<u>W, WV 26378-00</u> 80
8) OIL & GA		TOR TO T LOW		FIED			9) DRILLING C	ONTRACTOR: UNKNOWN	
1 variic	CF	NERAL		VER	Ÿ			ONKNOWN	
Address		DDLEB			v 26:	149	Address		
			.	X					
0) PROPOSE	D WELL	WORK:			_/ Dril			/ Stimulate	
•					formatio		ate new formation	ı/	
	C41 T40	OFT FOR	_	· n	change ENSOI	in well (specify)			
 GEOLOGI Estima 				$\frac{152}{520}$					
						782 feet; salt	1412 1450,155	n 1826	
14) Appro				NKN		00A	, , ,	/	/ N. Y
CASING A		_		41444		15 00	al being mined in th	e area? res	/ No/
CÁSING OR	110 106) 11		CIFICATION:	2		ll FOOTAGE II	NTERVATO	The Control of the Line	ll niguma
TUBING TYPE		1	Weight	1	1	FOOTAGE I	1	OR SACKS	PACKERS
	11 3	Grade / 4	per (t.	New V	Used	For drilling	Left in well	(Cubic feet)	3.8.25R18-11.3
nductor	11 2	7 4	 	Α_	 	30 700	至 200	RULE 1505	XBdC 3K 18-111 3
esh water				ļ	 			_	
oal	8 5/	b		V	 	1/00	1/00	D177 F1 7777	Sizes
termediate	0 3/	<u> </u>	 	X V	 . 	1400	1400	RULE 1505	36 CSK 18-11-5
oduction	4 1/	 	 	 	 	5000	5000	RULE 1501	3865R18-111
bing			 	ļ					
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						OFFICE USE O	NI V		
						DRILLING PE			
		7-095-	.1911					Senter	nber 18 ₁₉ 87
rmit number _	- 4	17-033-	-1211						
								Dat	
is permit cove	ring the w	ell operato	or and wel	l location berein a	on show	n below is evidence of	of permission grant	ted to drill in accordan	ice with the pertinent legal re-
8) Prior to the	construct	tion of ros	ds, locatio	ns and	pits for	any permitted work.	in addition, the v	iven to the District Oil vell operator or his con	and Gas Inspector, (Refer to tractor shall notify the proper
trict oil and ga	as inspecto	or 24 hours	s before a	ctual pe	rmitted	work has commenced	i.)		
e permitted wo	ork is as d	escribed in	the Notic	e and A	pplication	on, plat, and reclama	ation plan, subject	to any modifications a	nd conditions specified on the
erse hereof.		Septem	ber 18	. 19	89				
mit expires _		Бересш	DC1 10	,		unless well	work is commence	d prior to that date and	prosecuted with due diligence.
т	1.00						······································		•
Bond:	Agent	: 17	lata	cher	10	Fee WPOP	2 Asrt 1	Other	,
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						7.0	un IJ TV	Kuston b	11/ lireaut 1
OTE: Keep or	ne copy of	this perm	nt posted	at the d	rilling lo	cation. / D	rector Day	vision of Oi∤	and Gas
									File File

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