

6-6-130

DECEIVED
Office of Oil & Gas
Permitting

NO.V 3 0 2000

WV Division of
Environmental Protection

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

At management of the second of

Farm name: F	RALPH D. THAC	CKER & J. MAUR	ICE CARLISLE	, JR.	Operator	Well No. : THA	CKER #2
LOCATION:	Elevation:	1121.00		Quadrangl	e: OXFORD		
	District: Latitude: Longitude:		Cou South of 39 D West of 80 D	eg. 12 Min.			
Company:	22 G/ WES	OIL COMPANY ARTON PLAZA TON, WV 26452-	-0000	Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
Agent: Inspector: Permit Issued: Well Work Cor	nmenced:	E. CHAPMAN <u>LARRY PARF</u> 07/21/00 09/14/00	RISH	8 5/8"	1123'	1123′	255 sks To Surface
Well Work Cor Verbal Pluggin Permission gra Rotary X Total Depth (f	ig anted on: Cable eet)	09/18/00 Rig 5368'		4 ½" 2 3/8"	5328	5328' 5152'	460 sks
Fresh water dep Salt water dep Is coal being n Coal Depths (ths (ft) NO	***************************************					
Produc Gas: Static Secon Gas:	cing formation _ Initial open flo Final open flo Time of open rock pressure _ d producing for Initial open flo Final open flo Time of open	Show M w 1,500 M flow between initi 1875 psig (sumation commation Comming MCF / c w MCF / c d flow between initi MCF / c	ICF / d Oil: ICF / d Oil: al and final test urface pressure led Pay 2 d Oil: I Oil: al and final test	one depth (ft Initial open flo Final open flows	ow 0 B w show B	528' 430' 372' 914' 230' bl / d Hours Hours Bbl / d Hours	
NOTE	ON BACK OF	psig (su THIS FORM PUTIMULATING. PH	лпасе pressure T THE FOLLO\) aπer WING: 1). DE	ETAILS OF PER	OURS REPORATED IN	TERVALS,

FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: KEY OIL COMPANY

2001

Date:

November 21, 2000 PRESIDENT

3298 11

Thacker #2 (47-085-8688) Four Stage Foam Frac - Halliburton

		110011011
1 st Stage:	Alexander (17 holes) (5172.25' to 5216.50')	60 Quality Foam. 500 gal. 15% HCL. 60,000# 20/40 sand, 550,000 SCF N2, 810 bbls foam.
2 nd Stage:	Benson (10 holes) (4909' to 4911.25') Third Riley (4 holes) (4841.50' to 4842.25')	60 Quality Foam. 750 gal 15% HCL. 40,000# 20/40 sand, 417,000 SCF N2, 616 bbls foam.
3 rd Stage:	Riley (11 holes) (4503.25' to 4530.25) Balltown (4 holes) (4039.75' to 4040.50')	60 Quality Foam. 1,000 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 743 bbls foam.
4 th Stage:	Balltown (4 holes) (3809' to 3913.75') Speechley (5 holes) (3423.75' to 3515.50') Warren (9 holes) (3365.75' to 3392.25')	60 Quality Foam. 1,000 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 684 bbls foam.
	WELL LOG	
T:U		

		AAr	LLL LOG	
Fill		0	10	
Sand		10	24	
Sand & Shale		24	113	½" H ² O @ 83'
Red Rock	1	13	176	9 9
Sand & Shale	1	76	375	
Sand	3	75	479	
Sand & Shale	4	.79	622	
Sand	6	22	722	
Red Rock	7	22	792	
Sand & Shale	7	92	1257	
Sand	12	57	1301	
Sand & Shale	13	01	1333	
Sand	13	33	1422	
Sand & Shale	14	22	1942	
Little Lime	19	42	1962	
Sand & shale	19	62	1985	
Big Lime	19	85	2044	
Big Injun	20	44	2114	
Shale		14	2282	
Weir		82	2402	
Shale		02	2472	
Berea		72	2480	
Sand & Shale		80	3352	
Warren		52	3406	
Shale		06	3412	Gas Checks
Speechley		12	3528	1923'- No Show
Shale	35	28	3750	2147' – No Show
Balltown	37		4430	3408' — No show
Shale	44		4472	3811' - No show
Riley	44	72	4550	4573' - 6/10 ^{ths} - ½" w/H ² O
Shale	45	50	4816	4916' - 6/10 ^{ths} - ½" w/H ² O
Third Riley	48		4872	5111' - 8/10 ^{ths} - ½" w/H ² O
Shale	48		4902	$TD - 4/10^{ths} - \frac{1}{2}$ " w/H ² O
Benson	49	02	4914	
Shale	49	14	5144	
Alexander	51	44	5230	
Sand & Shale	52	30	5368	
TD ·		00		

5368

T.D.