

Pro-Stim Chemicals LLC

Date 3/13/13

Acidizing Report

Customer <u>Grand Mesa</u>		Pro-Stim Chemical Yard <u>Dighton</u>		Pro-Stim Number <u>A#3</u>	
Well Name & Number <u>Breit-Hoss 1-22</u>		Field		Formation <u>Spot</u>	
County <u>Miss</u>	State <u>Ks</u>	BHT	YD	Interval <u>4247-53</u>	

Well Type:	Completion <input checked="" type="checkbox"/>	Recompletion <input type="checkbox"/>	Workover <input type="checkbox"/>	Oil <input type="checkbox"/>	Gas <input type="checkbox"/>	Water <input type="checkbox"/>	Disposal <input type="checkbox"/>	Perf <input type="checkbox"/>	OH <input type="checkbox"/>
Job Pumped Via:	Tubing <input checked="" type="checkbox"/>	Casing <input type="checkbox"/>	Annulus <input type="checkbox"/>	CTU <input type="checkbox"/>	Combination <input type="checkbox"/>	Plug Depth	Packer Depth <u>4215</u>		
Casing Size:	<u>5 1/2</u>	GRD	WT	Depth	Tubing Size: <u>2 7/8</u>	GRD	WT	Spot <u>4254</u>	
Casing Vol.	Tbg Vol	Ann Vol		OH Vol		Total Displacement <u>24.6</u>			
Maximum Pressure	Tubing	Casing	Proposed Pump Time		<u>AO 1:00</u>	Leave Loc <u>1:50</u>			

Special Instructions: 750 gal RWR-2
25 BBLS 2% KCL
15 Bro Balls

Treatment Record

Time	Type Fluid	Rate BPM	Increment Vol Bbls	Cum Vol Bbls	Pressure		Observations
					Tubing	Casing	
							Safety Meeting
1	Acid						Pre Test to _____ psi
10	Acid	3.0		6.0	0	0	
12	Acid	3.0		13.0	0	0	Started Balls
14	Acid	3.0		18	0	0	Acid Gone
16	Flush	3.0		24.1	0	0	well Load
18	Flush	0		24.3	500		
25	Flush	.4		24.7	540		
28	Flush	1.6		26.4	470		
29	Flush	2.0		27	480		
30	Flush	2.5		28.5	680		
32	Flush	2.5		31	700		
34	Flush	2.3		33	740		
36	Flush	2		35	770		
38	Flush	2		38	790		
40	Flush	2		41	800		
41	Flush	2		42.6	800		

Treatment Synopsis

Avg Inj Rate	Fluid BPM <u>2.1</u>	Total Injected		H2O <u>24.6</u>	Acid <u>18</u>	Oil
Treating Prs	Max <u>800</u>	Final <u>800</u>	Avg. <u>500</u>	ISIP <u>680</u>	5'SI <u>420</u>	10'SI <u>290</u>
Customer Representative	<u>John [Signature]</u>			Pro-Stim Supervisor		

VAC
30
min