

**Kinder Morgan  
DC 29  
Acid Job**

Sales Order: 0904347041

## Post Job Report

For: Pete McNeil

Date: Wednesday, October 04, 2017

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**HALLIBURTON**

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## 1.0 Pumping Schedule

### 1.1 Designed Pumping Schedule

Stage Number	Description	Flow Path	Fluid System	Clean Volume gal	Slurry Volume gal	Rate Stage Start bpm	Rate Stage End bpm
1	Load Well	In	TREATED WATER	2646	2646	7.0	7.0
2	Acid	In	HCL ACID 28% - SBM (27012)	4000	4000	7.0	7.0
3	Ball Out	In	HCL ACID 28% - SBM (27012)	5000	5000	7.0	7.0
4	Flush	In	TREATED WATER	2751	2751	7.0	7.0
5	Shut-In	In		0	0	0.0	0.0
Total				14397	14397		

### 1.2 Designed Pumping Schedule (continued)

Stage Number	Description	Stage Time min
1	Load Well	9.00
2	Acid	13.61
3	Ball Out	17.01
4	Flush	9.36
5	Shut-In	0.00
Total		48.97

## 2.0 Actual Stage Summary

### 2.1 Stage Summary

Stage Number	Stage Time ucts	Start Time ucts	End Time ucts	Time min	Clean Volume gal	Slurry Volume gal
1	04-Oct-17 14:44:07	14:05:57	04-Oct-17 14:44:07	38.19	2641	2641
2	04-Oct-17 15:47:56	14:44:08	04-Oct-17 15:47:56	63.81	3800	3800
3	04-Oct-17 16:09:50	15:47:58	04-Oct-17 16:09:50	21.90	4333	4333
4	04-Oct-17 16:44:33	16:09:51	04-Oct-17 16:44:33	34.73	2759	2759
5	04-Oct-17 16:45:11	16:44:34	04-Oct-17 16:45:11	0.63	0	0
Total					13532	13532

### 3.0 Performance Highlights

#### 3.1 Job Summary

Start Time	04-Oct-17 13:49:39	ucts
End Time	04-Oct-17 16:45:11	ucts
Start Averaging Time	04-Oct-17 14:05:57	ucts
End Averaging Time	04-Oct-17 16:45:11	ucts
Clean Volume	13532	gal
Slurry Volume	13532	gal
Gel Volume	5400	gal
Acid Volume	9000	gal
Load to Recover	13532	gal
<b>Volumes Pumped</b>	<b>Total</b>	<b>Units</b>
TREATED WATER	5400	gal
HCL ACID 28% - SBM (27012)	9000	gal

**Disclaimer: The average and maximum values (except volumes and bottom hole values) are based on the start and end averaging times.**

## 3.2 Job Stage Log

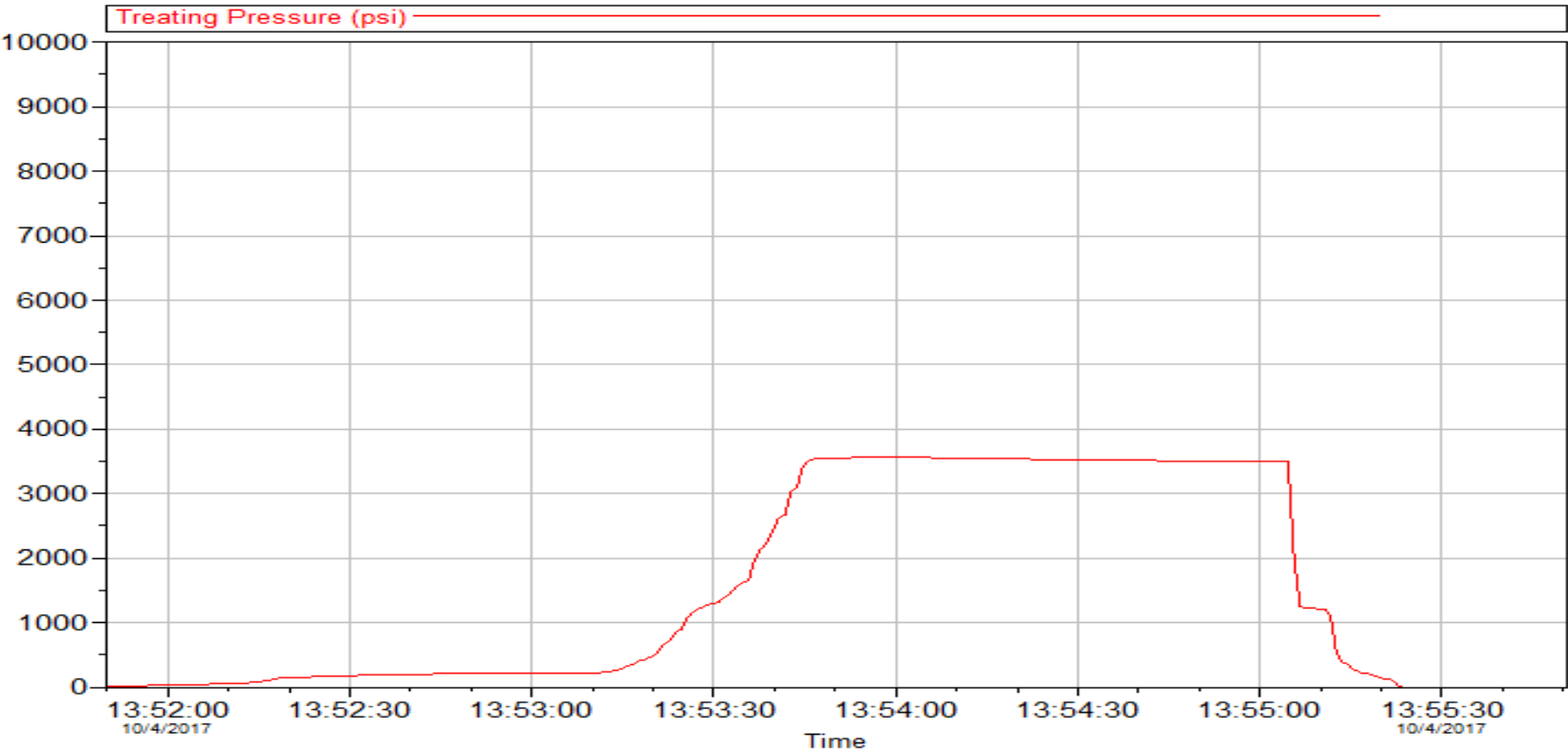
Time ucts	Description	Comment
04-Oct-17 14:05:56	Stage 1	Load Well
14:44:07	Stage 2	Acid
15:47:57	Stage 3	Ball Out
16:09:50	Stage 4	Flush
16:44:34	Stage 5	Shut-In

## 3.3 Job Event Log

Stage Number	Event Number	Time ucts	Description	Comment
	1	04-Oct-17 13:49:38	Start Job	Starting Job
1		14:05:56	Stage 1	Load Well
		14:05:57	Start Averaging	Start Avg Trt 1
2		14:44:07	Stage 2	Acid
3		15:47:57	Stage 3	Ball Out
4		16:09:50	Stage 4	Flush
5		16:44:34	Stage 5	Shut-In
		16:45:11	End Averaging	End Avg Trt 1
	2	16:45:16	End Job	Ending Job

4.0 Attachments

4.1 pressure test



Customer: Well Description:	Job Date: 04-Oct-2017 UWI:	Sales Order #: 0904347041	HALLIBURTON
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4.2 treatment

