

**Kinder Morgan  
DC 29  
Acid Ball out**

Sales Order: 0904359384

## Post Job Report

For: Pete Mcneil  
Date: Monday, October 16, 2017  
Treater: Brian McCann

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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	Acid	In	HCL ACID 28% - SBM (27012)	2730	2730	5.0	5.0
2	Acid Ball Out	In	HCL ACID 28% - SBM (27012)	1270	1270	5.0	5.0
3	Flush	In	TREATED WATER	2814	2814	5.0	5.0
4	Shut-In	In		0	0	0.0	0.0
Total				6814	6814		

### 1.2 Designed Pumping Schedule (continued)

Stage Number	Description	Stage Time min
1	Acid	13.00
2	Acid Ball Out	6.05
3	Flush	13.40
4	Shut-In	0.00
Total		32.45

## 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	16-Oct-17 13:00:20	10:23:38	16-Oct-17 13:00:20	156.73	2736	2736
2	16-Oct-17 13:09:38	13:00:21	16-Oct-17 13:09:38	9.29	1541	1541
3	16-Oct-17 13:22:12	13:09:40	16-Oct-17 13:22:12	12.56	2837	2837
4	16-Oct-17 13:29:46	13:22:13	16-Oct-17 13:29:46	7.56	1	1
Total					7115	7115

### 3.0 Performance Highlights

#### 3.1 Job Summary

Start Time	16-Oct-17 10:14:23	ucts
End Time	16-Oct-17 13:29:46	ucts
Start Averaging Time	16-Oct-17 10:23:38	ucts
End Averaging Time	16-Oct-17 13:29:46	ucts
Clean Volume	7115	gal
Slurry Volume	7115	gal
Gel Volume	2839	gal
Acid Volume	4000	gal
Load to Recover	7115	gal
<b>Volumes Pumped</b>	<b>Total</b>	<b>Units</b>
HCL ACID 28% - SBM (27012)	4000	gal
TREATED WATER	2837	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

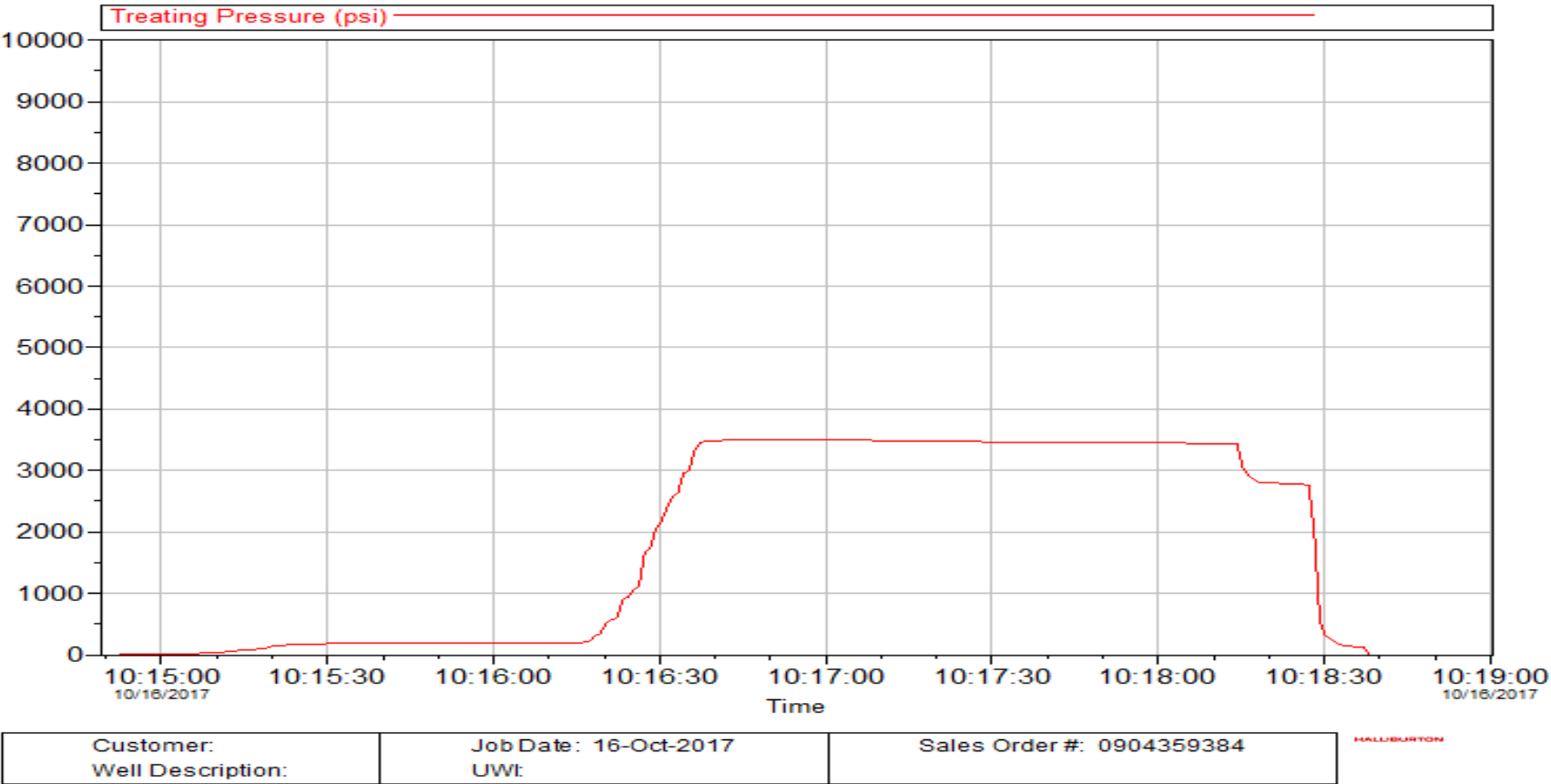
Time ucts	Description	Comment
16-Oct-17 10:23:37	Stage 1	Acid
13:00:21	Stage 2	Acid Ball Out
13:09:39	Stage 3	Flush
13:22:13	Stage 4	Shut-In

## 3.3 Job Event Log

Stage Number	Event Number	Time ucts	Description	Comment
	1	16-Oct-17 10:14:20	Start Job	Starting Job
1		10:23:37	Stage 1	Acid
		10:23:38	Start Averaging	Start Avg Trt 1
2		13:00:21	Stage 2	Acid Ball Out
3		13:09:39	Stage 3	Flush
4		13:22:13	Stage 4	Shut-In
		13:29:46	End Averaging	End Avg Trt 1
	2	13:29:49	End Job	Ending Job

4.0 Attachments

4.1 pressuret test



4.2 treatment

