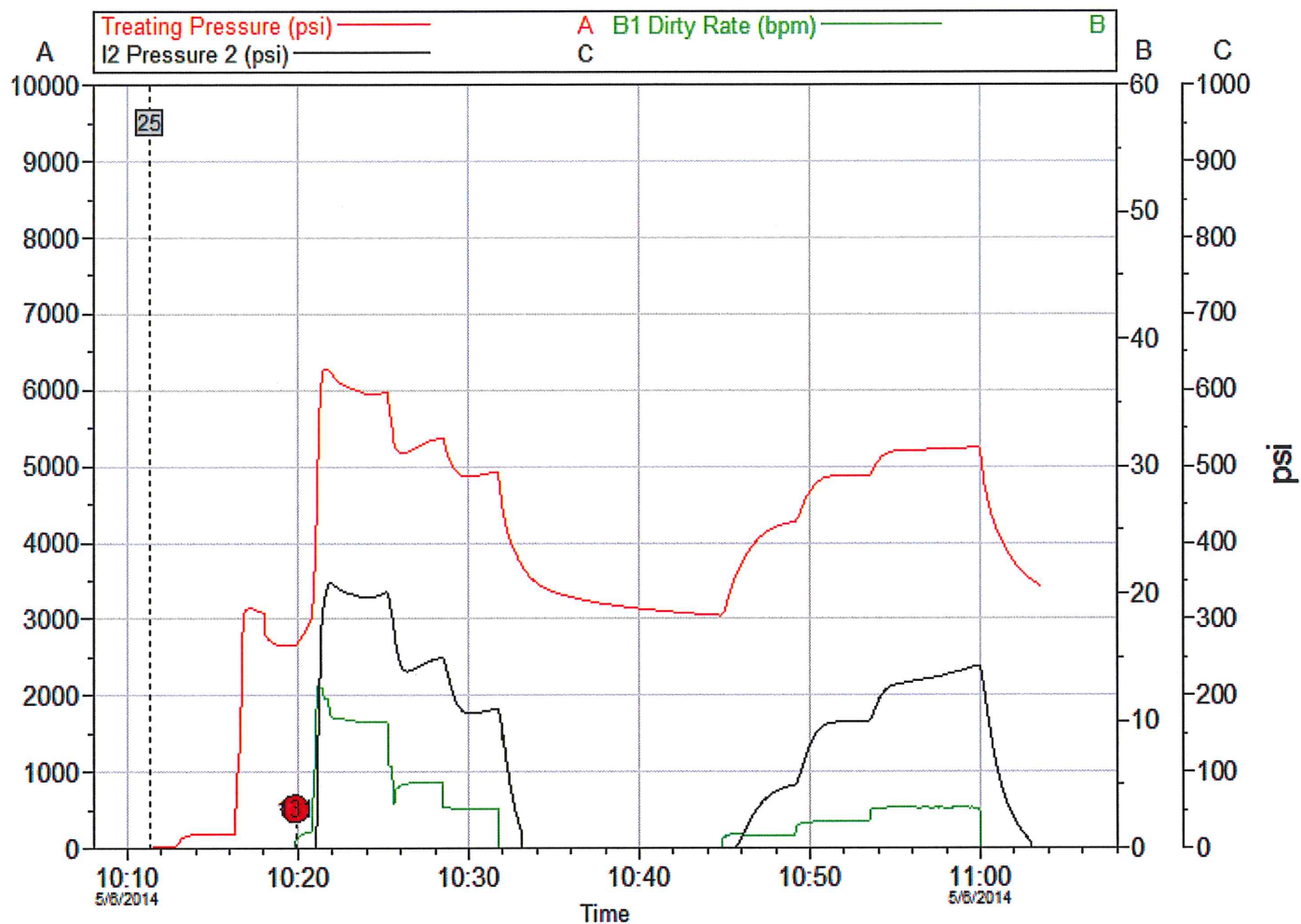


### Highway 160 15N-2HZ API: 05-123-38028

- Review of the Radial Bond Log shows top of cement around 520' (Base of surface casing at 1234' and cement looks good throughout majority of well)
- Pressure readings (below) taken at random points during each stage of frac
- An e-mail from the bradenhead group which includes the history of the original pressure spike
- Graph of the 2nd attempt to pump in after coming back to the well a few hours later
- A map showing surrounding wells (At the time this occurred the only nearby wells that were being frac'd were the Highway 160 37N-2HZ and Highway 160 15C-2HZ which were being zippered with the Highway 160 15N-2HZ)
- We believe that this occurred due to thermal gas expansion and was an isolated incident. After stage 28 of the frac the pressure never rose above 38 psi even while surrounding wells were frac'd.
- As of 5/14 19:45 the pressure is at 0 psi – Kerr-McGee proposes to monitor the well over the course of 30 days

| Stage No (psi) | Highway 160 38N-2HZ | Highway 160 16C-2HZ | Highway 160 37N-2HZ | Highway 15C-2HZ | Highway 15N-2HZ surface |
|----------------|---------------------|---------------------|---------------------|-----------------|-------------------------|
| Toe Open (Y/N) | N                   | N                   | Y                   | N               | N                       |
| Prefrac        | 0.00                | 0.00                | 2,798.00            | 0.00            | 0.00                    |
| Postfrac       | 0.00                | 5.00                | 2,107.00            | 2,169.00        | 19.00                   |
| 1              | 0.00                | 0.00                | 2,640.00            | 0.00            | 0.00                    |
| 2              | 0.00                | 3.00                | 2,747.00            | 2,229.00        | 0.00                    |
| 3              | 0.00                | 2.00                | 2,861.00            | 1,857.00        | 0.00                    |
| 4              | 0.00                | 1.00                | 2,809.00            | 1,976.00        | 0.00                    |
| 5              | 0.00                | 0.00                | 2,949.00            | 1,976.00        | 0.00                    |
| 6              | 0.00                | 6.00                | 2,619.00            | 1,755.00        | 0.00                    |
| 7              | 0.00                | 7.00                | 2,618.00            | 1,837.00        | 0.00                    |
| 8              | 0.00                | 3.00                | 2,856.00            | 1,650.00        | 0.00                    |
| 9              | 0.00                | 1.00                | 2,783.00            | 2,540.00        | 0.00                    |
| 10             | 0.00                | 2.00                | 2,696.00            | 2,495.00        | 0.00                    |
| 11             | 0.00                | 4.00                | 2,688.00            | 2,394.00        | 0.00                    |
| 12             | 0.00                | 0.00                | 2,781.00            | 2,430.00        | 0.00                    |
| 13             | 0.00                | 0.00                | 2,710.00            | 2,332.00        | 4.00                    |
| 14             | 0.00                | 0.00                | 2,076.00            | 2,173.00        | 15.00                   |
| 15             | 0.00                | 0.00                | 2,058.00            | 2,168.00        | 0.00                    |
| 16             | 0.00                | 7.00                | 2,438.00            | 2,259.00        | 13.00                   |
| 17             | 0.00                | 2.00                | 3,125.00            | 2,437.00        | 78.00                   |
| 18             | 0.00                | 11.00               | 2,970.00            | 2,806.00        | 150.00                  |
| 19             | 0.00                | 2.00                | 2,360.00            | 2,413.00        | 96.00                   |
| 20             | 0.00                | 2.00                | 2,340.00            | 2,424.00        | 93.00                   |
| 21             | 0.00                | 0.00                | 2,321.00            | 2,406.00        | 110.00                  |
| 22             | 2.00                | 0.00                | 2,304.00            | 2,391.00        | 96.00                   |
| 23             | 2.00                | 0.00                | 2,289.00            | 2,373.00        | 78.00                   |
| 24             | 2.00                | 0.00                | 2,269.00            | 2,336.00        | 111.00                  |
| 25             | 2.00                | 0.00                | 2,257.00            | 2,317.00        | 79.00                   |
| 26             | 2.00                | 0.00                | 2,253.00            | 2,306.00        | 44.00                   |
| 27             | 2.00                | 0.00                | 2,243.00            | 2,284.00        | 162.00                  |
| 28             | 2.00                | 0.00                | 2,233.00            | 2,271.00        | 24.00                   |
| 29             | 2.00                | 0.00                | 2,218.00            | 2,250.00        | 23.00                   |
| 30             | 2.00                | 0.00                | 2,211.00            | 2,236.00        | 24.00                   |
| 31             | 2.00                | 0.00                | 2,203.00            | 2,220.00        | 26.00                   |
| 32             | 2.00                | 0.00                | 2,192.00            | 2,193.00        | 35.00                   |
| 33             | 2.00                | 0.00                | 2,188.00            | 2,183.00        | 38.00                   |
| 34             | 2.00                | 0.00                | 2,188.00            | 2,183.00        | 38.00                   |
| 35             | 0.00                | 9.00                | 2,181.00            | 2,171.00        | 0.00                    |
| 36             | 0.00                | 10.00               | 2,172.00            | 2,164.00        | 0.00                    |
| 37             | 0.00                | 9.00                | 2,166.00            | 2,160.00        | 0.00                    |
| 38             | 0.00                | 6.00                | 2,120.00            | 2,190.00        | 15.00                   |
| 39             | 0.00                | 5.00                | 2,107.00            | 2,169.00        | 19.00                   |

|  |                            |
|--|----------------------------|
| <b>DATE</b>                                | <b>5/6/2014</b>            |
| <b>TIME</b>                                | <b>4:15am</b>              |
| <b>Name of HZ well fracing</b>             | <b>Highway 160 15N-2HZ</b> |
| <b>API number of HZ well fracing</b>       | <b>512338028</b>           |
| <b>HZ pad operations is on</b>             | <b>Highway 160 2-2HZ</b>   |
| <b>Name of well impacted</b>               | <b>Highway 15N-2HZ</b>     |
| <b>API number of well impacted</b>         | <b>512338028</b>           |
| <b>Beginning SC # of impacted well</b>     | <b>0</b>                   |
| <b>Beginning casing # of impacted well</b> | <b>N/A</b>                 |
| <b>SC # when reported</b>                  | <b>556psi</b>              |
| <b>Casing # when reported</b>              | <b>6931psi</b>             |
| <b>Max SC #</b>                            | <b>556psi</b>              |
| <b>Max casing #</b>                        | <b>6931psi</b>             |
| <b>Any leaks or incidents</b>              | <b>NO</b>                  |
|  |                            |
|  |                            |
|  |                            |
|  |                            |
|  |                            |



Customer: ANADARKO PETROLEUM CORP - EBUS  
Well Description: Highway 160 15N-2HZ

Job Date: 30-Apr-2014  
UWI: 05-123-38028

Sales Order #: 901283454

INSITE for Stimulation v4.4.0  
06-May-14 11:03

Map of **Highway 160 15N-2HZ** in relation to other frac'd wells:

