

HALLIBURTON

Cementing Job Log

The Road to Excellence Starts with Safety

| | | | |
|--|----------------------------------|--|------------------------|
| Sold To #: 304535 | Ship To #: 2839143 | Quote #: | Sales Order #: 7993203 |
| Customer: PDC ENERGY EBUS | | Customer Rep: Green, Dan | |
| Well Name: J&L Farms | Well #: 42-19 | API/UWI #: 05-123-22684-00 | |
| Field: | City (SAP): GILL | County/Parish: Weld | State: Colorado |
| Legal Description: | | | |
| Lat: N 40.473 deg. OR N 40 deg. 28 min. 23.646 secs. | | Long: W 104.472 deg. OR W -105 deg. 31 min. 40.753 secs. | |
| Contractor: Basic | | Rig/Platform Name/Num: BASIC# | |
| Job Purpose: Recement Service | | Ticket Amount: | |
| Well Type: Development Well | Job Type: Recement Service | | |
| Sales Person: FLING, MATTHEW | Srvc Supervisor: LAVALLEY, LARRY | MBU ID | Emp #: 419296 |

| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume bbl | | Pressure psig | | Comments |
|----------------------|------------|-------|--------------|------------|-------|---------------|--------|---|
| | | | | Stage | Total | Tubing | Casing | |
| Start Job | 02/24/2011 | | | | | | | |
| Pump Spacer 1 | 07:52 | | | | | | | |
| | 02/24/2011 | | 2 | 10 | 10 | | | 10 BBL CLAYFIX III WATER |
| Test Lines | 07:52 | | | | | | | |
| | 02/24/2011 | | | | | | | |
| | 07:52 | | | | | | | |
| Pump Spacer 2 | 02/24/2011 | | 2 | 12 | 22 | | | 12 BBL MUDDFLUSH III |
| | 08:00 | | | | | | | |
| Pump Spacer 1 | 02/24/2011 | | 2 | 10 | 32 | | | 10 BBL CLAYFIX III WATER |
| | 08:06 | | | | | | | |
| Pump Lead Cement | 02/24/2011 | | 2 | 88 | 120 | | | 220 SKS EXTENDACEM MIXED AT 11.3 PPG. PUMPED 55BBLs AND PIPE GOT STUCK SO WE SHUTDOWN SO RIG COULD PULL 24 JOINTS. WHILE PUMPING 2ND POD OF LEAD SOMETHING GOT STUCK IN SUCTION |
| | 08:12 | | | | | | | |
| | | | | | | | | |
| Pump Displacement | 02/24/2011 | | 2 | 1 | 121 | | | FRESH WATER |
| | 08:41 | | | | | | | |
| Shutdown | 02/24/2011 | | | | | | | |
| | 08:42 | | | | | | | |
| Other | 02/24/2011 | | | | | | | RIG PULLED 46 JOINTS TO REACH 831 FEET |
| | 10:38 | | | | | | | |

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SUMMIT Version: 7.20.130

Thursday, February 24, 2011 11:35:00

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| Activity Description | Date/Time | Cht # | Rate bbl/min | Volume Bbl | | Pressure psig | | Comments |
|----------------------|---------------------|-------|--------------|------------|-------|---------------|--------|--|
| | | | | Stage | Total | Tubing | Casing | |
| Pump Tail Cement | 02/24/2011 10:57 | | 2 | 43 | 164 | | 786.0 | 140 SKS VARICEM MIXED AT 13 PPg. RECIRC WENT DOWN HAD TO MIX BY HAND BUT SCALED WITH PRESSURIZED SCALES THROUGHOUT TAIL. |
| End Job | 02/24/2011 11:00 | | | | | | | |

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