



# Job Summary

|               |             |
|---------------|-------------|
| Ticket Number | Ticket Date |
| TN# FL1128    | 9/26/2016   |

|                       |                        |                |
|-----------------------|------------------------|----------------|
| COUNTY                | COMPANY                | CUSTOMER REP   |
| Weld                  | PDC Energy, Inc.       | Mr. David Gray |
| WELL NAME             | RIG                    | JOB TYPE       |
| HOP 18E-232           | Ensign 152             | Production     |
| SURFACE WELL LOCATION | O-TEX Field Supervisor |                |
| NW NW Sec18:R5N:T64W  | Doran, Ben             |                |
| EMPLOYEES             |                        |                |
|                       | Kopp, Jeff             |                |
| Davila, Isreal        |                        |                |
|                       | Payne, James           |                |

## WELL PROFILE

|   |                                      |
|---|--------------------------------------|
| Max Treating Pressure (psi):              | Bottom Hole Static Temperature (°F): |
| Bottom Hole Circulating Temperature (°F): | Well Type: Oil                       |

### Open Hole

| 1 | Size (in) | TMD From (ft) | TMD to (ft) | TVD From (Ft) | TVD to (Ft) |
|---|-----------|---------------|-------------|---------------|-------------|
|   | 8.5       | 1480          | 16424       |               |             |
| 2 | Size (in) | TMD From (ft) | TMD to (ft) | TVD From (Ft) | TVD to (Ft) |
|   |           |               |             |               |             |

### Casing/Tubing/Drill Pipe

| Type       | Size (in) | Weight (lb/ft) | Grade | TMD From (ft) | TMD to (ft) | TVD From (Ft) | TVD to (Ft) |
|------------|-----------|----------------|-------|---------------|-------------|---------------|-------------|
| Surface    | 9.625     | 36             | J-55  | 0             | 1480        |               |             |
| Type       | Size (in) | Weight (lb/ft) | Grade | TMD From (ft) | TMD to (ft) | TVD From (Ft) | TVD to (Ft) |
| Production | 5.5       | 20             | P-110 | 0             | 16415       |               |             |
| Type       | Size (in) | Weight (lb/ft) | Grade | TMD From (ft) | TMD to (ft) | TVD From (Ft) | TVD to (Ft) |
|            |           |                |       |               |             |               |             |

## CEMENT DATA

|            |  |               |                             |            |
|------------|--|---------------|-----------------------------|------------|
| Stage 1:   | From Depth (ft):   | 0             | To Depth (ft):              | 4439.00    |
| Type: Lead | Volume (sacks):  | 750           | Volume (bbls):              | 232        |
| Cement:    | 1:1:0 'Poz:G'  | Density (ppg) | Yield (ft <sup>3</sup> /sk) | Water Req. |
| Additives: | 0.3% ASM-3 + 0.4% FL-17 + 22 FWC-2 + 0.2% C-20 + 0.3% CF-41P | 12.5          | 1.73                        | 9.01       |

|            |   |               |                             |            |
|------------|---|---------------|-----------------------------|------------|
| Stage 2:   | From Depth (ft):  | 4439          | To Depth (ft):              | 16415.00   |
| Type: Tail | Volume (sacks):   | 1470          | Volume (bbls):              | 489        |
| Cement:    | 2:1:0 'Poz:G'   | Density (ppg) | Yield (ft <sup>3</sup> /sk) | Water Req. |
| Additives: | 25% Silica Flour (325) + 0.3% ASM-3 + 0.2% C-49 + 0.5% FL-17 + 0.5% FL-17 + 0.1% C-20 | 13.5          | 1.87                        | 9.21       |

## SUMMARY

|                                     |                            |                                |                             |
|-------------------------------------|----------------------------|--------------------------------|-----------------------------|
| Preflushes:                         | 20 bbls of Mudflush        | Calculated Displacement (bbl): | 363.85                      |
|                                     | 40 bbls of Weighted Spacer | Actual Displacement (bbl)      | 363.85                      |
|                                     | bbls of                    | Plug Bump (Y/N):               | y Bump Pressure (psi): 2550 |
| Total Preflush/Spacer Volume (bbl): | 60                         | Lost Returns (Y/N):            | n (if Y, when)              |
| Total Slurry Volume (bbl):          | 721                        |                                |                             |
| Total Fluid Pumped                  | 1144.85                    |                                |                             |
| Returns to Surface:                 | Cement 40 bbls             |                                |                             |

Thank You For Using

O - TEX Pumping

Customer Representative Signature: \_\_\_\_\_

[illegible]