



Service Ticket

9193350

Field Estimate

| | | | | | | | | |
|---|------------------------------------|--|--|--|--|--|------------------------------|---------------|
| Client Name Noble Energy Inc. | | | Well Name Lower Latham G 2-31D | | Surface Well Location SE NE Sec 2:T4N:R65W | | Job Date August 22, 2014 | |
| | | | Job Type Miscellaneous Pumping | | Down Hole Location | | Service Point Fort Lupton | |
| Address P.O. Box 729 | | | Client Representative MR. Rick Sheets | | State CO | | County Weld | |
| City Ardmore | | | Drilling Company Lead | | Rig No. 735 | | Pricing Area Area U | |
| Postal Code 73402 | | | | | | | AFE/PO # | |
| District | Service, Equipment & Material Type | | | | Disc | 12 | Code | Quantity/Unit |
| 59 | Service Charge 0 to 2000 ft | | | | 56 | 12 | 1100 | 1 |
| 59 | Twin Pumping | | | | 56 | 12 | 1150 | 1 |
| 59 | Travel Charge | | | | 56 | 12 | 1380 | 1 |
| 59 | Handling Service Charge Min | | | | 56 | 12 | 1481 | 1 |
| 59 | Bulk Delivery / Return Minimum | | | | 56 | 12 | 1485 | 1 |
| 59 | SAM Unit | | | | 56 | 12 | 1497 | 1 |
| 59 | OWG | | | | 56 | 12 | 3000 | 85 |
| 59 | EnviroBag | | | | 56 | 12 | 1492 | 1 |
| 59 | DF-3, Anti-foamer | | | | 56 | 12 | 3262 | 5 |
| 59 | Environmental Surcharge | | | | - | 12 | 1493 | 1 |
| 59 | Fuel Surcharge | | | | - | 12 | 2992 | 2 |
| 59 | Sugar | | | | - | 12 | 2999 | 50 |
| This Space Reserved for Client Coding Stamp | | | | | * Not Subject to Discount | | Field Estimate | |
| | | | | | FOR OFFICE USE ONLY | | | |
| | | | | | <input type="checkbox"/> Cementing - Prim | <input checked="" type="checkbox"/> Cementing -Rem | <input type="checkbox"/> | |
| | | | | | <input type="checkbox"/> Coiled Tubing | <input type="checkbox"/> Nitrogen | <input type="checkbox"/> | |
| | | | | | <input type="checkbox"/> Acidization | <input type="checkbox"/> Fracturing | <input type="checkbox"/> | |
| | | | | | <input type="checkbox"/> Industrial Services | <input type="checkbox"/> MPCT | <input type="checkbox"/> | |
| | | | | | <input type="checkbox"/> Other | | | |
| | | | | | Field | Sales 1 | Sales 2 | |
| Comments Job went according to prog and customer's request. Job went good. | | | | | This service ticket is not an invoice. This signature confirms that I have reviewed this service ticket. X | | | |



**Pumping
Service Report**

9193350

| | | | | |
|--|---|-------------------------|-----------------------------------|-----------------------|
| Client Name Noble Energy Inc. | Well Name Lower Latham G 2-31D | Rig Lead 735 | Job Date August 22, 2014 | Call Sheet 1045976 |
| Client Representative MR. Rick Sheets | Surface Well Location SE NE Sec 2:T4N:R65W | Down Hole Well Location | Job Type Miscellaneous Pumping | |

Well Profile

Well Type: Oil

Maximum Treating Pressure (psi): —

Predicted Bottom Hole Static Temperature (°F): — @ —

Bottom Hole Circulating Temperature (°F): — @ —

Bottom Hole Logged Temperature (°F): — @ —

Casing

| Size | Weight | Grade | Collapse Pressure | Internal Yield Pressure | Capacity | I.D. | O.D. | Depth From | Depth To |
|-------|---------|-------|-------------------|-------------------------|----------|-------|-------|------------|----------|
| (in) | (lb/ft) | | (psi) | (psi) | (bbl) | (in) | (in) | (ft) | (ft) |
| 4.500 | 11.600 | J-55 | 4,960.0 | 5,350.0 | — | 4.000 | 5.000 | — | — |

Tubing

| Size | Weight | Grade | Collapse Pressure | Capacity | I.D. | O.D. | Depth From | Depth To |
|-------|---------|-------|-------------------|----------|------|------|------------|----------|
| (in) | (lb/ft) | | (psi) | (bbl) | (in) | (in) | (ft) | (ft) |
| 2.375 | 4.700 | J-55 | — | 1.310 | — | — | 0.000 | 338.000 |

Products

Plug 1

From Depth (ft):

To Depth (ft):

Plug Type : Well Stability

Acids/Blends/Fluids :

Tail: 85 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 17.6 (bbl)

Water Temperature(°F) = 65 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 75

Fluid & Cement Data

Expected Cement Top: Surface

Wellbore Fluid

| Fluid Type | Viscosity (cP) | Density (lbs/gal) | Yield Point (psi) | Temperature (°F) | Recorded@ |
|------------|----------------|-------------------|-------------------|------------------|--------------------|
| Water | — | 8.400 | — | — | Aug 22, 2014 08:23 |



Pumping Service Report

9193350

| Units & Personnel | | | | | | | |
|----------------------------|------------------|------------------|--------------------|------------------|------------------|------------------|-------------------|
| Units | | | | | | | |
| Truck Unit No. | Main Type | Sub Type | Tractor Unit No. | Main Type | Sub Type | Time On Location | Time Off Location |
| 201168 | PICKUP | 1 Ton | | | | 08/22/2014 13:30 | 08/22/2014 17:00 |
| 745051 | TRACTOR | Tandem - Tractor | | | | 08/22/2014 13:30 | 08/22/2014 17:00 |
| 446075 | TRAILER | Bulker | 746047 | TRACTOR | Tandem - Tractor | 08/22/2014 13:30 | 08/22/2014 17:00 |
| Crew and Bonuses | | | | | | | |
| Employee | Start Shift | End Shift | Second Start Shift | Second End Shift | | | |
| Klosterman, Austin | 08/22/2014 13:30 | 08/22/2014 17:00 | | | | | |
| Hansen, Kevin | 08/22/2014 13:30 | 08/22/2014 17:00 | | | | | |
| Davila, Israel | 08/22/2014 13:30 | 08/22/2014 17:00 | | | | | |
| Melgarejo Herrera, Eduardo | 08/22/2014 13:30 | 08/22/2014 17:00 | | | | | |

| Treatment Reports & Remarks | | | | | | | | |
|-----------------------------|--------------------|---|------------|-------------------|---------------------------|---------------------------|-----------------------|-----------------------|
| Treatment Report | | | | | | | | |
| Event # | Event Time | Event Description | Fluid Type | Rate (bbl/min) | Tubular Pressure (psi) | Annular Pressure (psi) | Stage Volume (bbl) | Total Volume (bbl) |
| 1 | Aug 22, 2014 13:30 | Arrive On Location | --- | 0.00 | 0.0 | 0.0 | 0.00 | 0.00 |
| 2 | Aug 22, 2014 13:40 | Tailgate Meeting | --- | 0.00 | 0.0 | 0.0 | 0.00 | 0.00 |
| 3 | Aug 22, 2014 13:50 | Rig In | --- | 0.00 | 0.0 | 0.0 | 0.00 | 0.00 |
| 4 | Aug 22, 2014 14:50 | Safety Meeting | --- | 0.00 | 0.0 | 0.0 | 0.00 | 0.00 |
| 5 | Aug 22, 2014 14:55 | Sign-off on Safety | --- | 0.00 | 0.0 | 0.0 | 0.00 | 0.00 |
| 6 | Aug 22, 2014 14:58 | Establish Circulation | Water | 1.00 | 50.0 | 0.0 | 0.50 | 0.50 |
| | | Remarks: Filling lines. | | | | | | |
| 7 | Aug 22, 2014 14:59 | Pressure Test Lines | Water | 0.00 | 2,400.0 | 0.0 | 0.00 | 0.50 |
| 8 | Aug 22, 2014 15:00 | Pump Preflush | Water | 2.00 | 44.0 | 0.0 | 5.00 | 5.50 |
| | | Remarks: Fresh ahead. | | | | | | |
| 9 | Aug 22, 2014 15:09 | Pump | 0-1-0 G | 1.60 | 18.0 | 0.0 | 6.60 | 12.10 |
| | | Remarks: Mix up and pump 85 sacks @15.8#, Yield 1.15, WR 5.01 | | | | | | |
| 10 | Aug 22, 2014 15:13 | Stop | --- | 0.00 | 0.0 | 0.0 | 0.00 | 12.10 |
| | | Remarks: Rig pulled stands, and tied onto 4.5" casing. | | | | | | |
| 11 | Aug 22, 2014 15:44 | Pump | 0-1-0 G | 1.50 | 26.0 | 0.0 | 9.00 | 21.10 |
| 12 | Aug 22, 2014 15:52 | Stop | --- | 0.00 | 0.0 | 0.0 | 0.00 | 21.10 |
| | | Remarks: Customer wanted to stop pumping for 2 minutes. | | | | | | |
| 13 | Aug 22, 2014 15:54 | Pump | 0-1-0 G | 1.60 | 44.0 | 0.0 | 2.00 | 23.10 |
| 14 | Aug 22, 2014 15:55 | Wash | Water | 0.00 | 0.0 | 0.0 | 0.00 | 23.10 |
| | | Remarks: Washing out pumps and lines. | | | | | | |
| 15 | Aug 22, 2014 16:00 | Displace Fluid | Water | 1.00 | 10.0 | 0.0 | 0.10 | 23.20 |
| 16 | Aug 22, 2014 16:10 | Rig Out | --- | 0.00 | 0.0 | 0.0 | 0.00 | 0.00 |
| 17 | Aug 22, 2014 16:40 | Job Complete | --- | 0.00 | 0.0 | 0.0 | 0.00 | 0.00 |
| 18 | Aug 22, 2014 16:50 | Pre-Departure Meeting | --- | 0.00 | 0.0 | 0.0 | 0.00 | 0.00 |
| 19 | Aug 22, 2014 17:00 | Leave Location | --- | 0.00 | 0.0 | 0.0 | 0.00 | 0.00 |



| | | | | | |
|------------|---------------------------------|------------|----------------------|------------------|--------------|
| Client | Noble | Client Rep | Rick Sheets | Supervisor | A Klosterman |
| Ticket No. | 9193350 | Well Name | Lower Latham G 2-31D | Unit No. | 745051 |
| Location | SE NE Sec2:T4N:R65W | Job Type | Abandonment Plugs | Service District | 505 |
| Comments | Mix up and pump 50 sacks @15.8# | | | | Job Date |
| | | | | | 08/22/2014 |

