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# **XTO ENERGY INC EBUSINESS**

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**Apache Canyon 09-06**

**Las Animas County , Colorado**

## **Cement Conductor Casing**

**09-Jul-2011**

### **Job Site Documents**

## The Road to Excellence Starts with Safety

|                                      |                                   |                           |                        |
|--------------------------------------|-----------------------------------|---------------------------|------------------------|
| Sold To #: 353810                    | Ship To #: 2865002                | Quote #:                  | Sales Order #: 8311381 |
| Customer: XTO ENERGY INC EBUSINESS   | Customer Rep: Coffee, Ron         |                           |                        |
| Well Name: Apache Canyon             | Well #: 09-06                     | API/UWI #:                |                        |
| Field:                               | City (SAP): TRINIDAD              | County/Parish: Las Animas | State: Colorado        |
| Contractor: Pense Drilling           | Rig/Platform Name/Num: 19         |                           |                        |
| Job Purpose: Cement Conductor Casing |                                   |                           |                        |
| Well Type: Development Well          | Job Type: Cement Conductor Casing |                           |                        |
| Sales Person: FLING, MATTHEW         | Srv Supervisor: SANFORD, DALE     | MBU ID Emp #: 219527      |                        |

### Job Personnel

| HES Emp Name        | Exp Hrs | Emp #  | HES Emp Name         | Exp Hrs | Emp #  | HES Emp Name  | Exp Hrs | Emp #  |
|---------------------|---------|--------|----------------------|---------|--------|---------------|---------|--------|
| BANUELOS, GUADALUPE | 1.5     | 372277 | PAUMEN, CORD Anthony | 1.5     | 453759 | Pliness, Ryan | 1.5     | 490745 |
| SANFORD, DALE A     | 1.5     | 219527 |                      |         |        |               |         |        |

### Equipment

| HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10025024   | 250 mile       | 10824253C  | 250 mile       | 11518550   | 250 mile       | 11527037   | 250 mile       |
| 11562544C  | 250 mile       |            |                |            |                |            |                |

### Job Hours

| Date   | On Location Hours | Operating Hours | Date                                       | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|--------|-------------------|-----------------|--|-------------------|-----------------|------|-------------------|-----------------|
| 7-9-11 |                   |                 |  |                   |                 |      |                   |                 |
| TOTAL  |                   |                 | Total is the sum of each column separately |                   |                 |      |                   |                 |

### Job

| Formation Name | Formation Depth (MD) | Top | Bottom | Form Type | Job depth MD | Job Depth TVD | Water Depth | Perforation Depth (MD) | From | To |
|----------------|----------------------|-----|--------|-----------|--------------|---------------|-------------|------------------------|------|----|
|                |                      |     |        | BHST      | 45. ft       | 45. ft        |             |                        |      |    |
|                |                      |     |        |           |              |               |             |                        |      |    |
|                |                      |     |        |           |              |               |             |                        |      |    |
|                |                      |     |        |           |              |               |             |                        |      |    |

### Job Times

| Date            | Time  | Time Zone |
|-----------------|-------|-----------|
| 09 - Jul - 2011 | 16:00 | MST       |
| 09 - Jul - 2011 | 17:00 | MST       |
| 09 - Jul - 2011 | 17:20 | MST       |
| 09 - Jul - 2011 | 17:58 | MST       |
| 09 - Jul - 2011 | 18:00 | MST       |

### Well Data

| Description              | New / Used | Max pressure psig | Size in | ID in  | Weight lbm/ft | Thread | Grade | Top MD ft | Bottom MD ft | Top TVD ft | Bottom TVD ft |
|--------------------------|------------|-------------------|---------|--------|---------------|--------|-------|-----------|--------------|------------|---------------|
| 17 1/2" Openhole         |            |                   |         | 11.    |               |        |       |           | 43.          |            |               |
| 13 3/8" Conductor Casing | Unknown    |                   | 13.375  | 12.715 | 48.           |        |       |           | 43.          |            |               |

### Tools and Accessories

| Type         | Size | Qty | Make | Depth | Type        | Size | Qty | Make | Depth | Type           | Size | Qty | Make |
|--------------|------|-----|------|-------|-------------|------|-----|------|-------|----------------|------|-----|------|
| Guide Shoe   |      |     |      |       | Packer      |      |     |      |       | Top Plug       |      |     |      |
| Float Shoe   |      |     |      |       | Bridge Plug |      |     |      |       | Bottom Plug    |      |     |      |
| Float Collar |      |     |      |       | Retainer    |      |     |      |       | SSR plug set   |      |     |      |
| Insert Float |      |     |      |       |             |      |     |      |       | Plug Container |      |     |      |
| Stage Tool   |      |     |      |       |             |      |     |      |       | Centralizers   |      |     |      |

### Miscellaneous Materials

| Gelling Agt   | Conc | Surfactant | Conc | Acid Type | Qty  | Conc | % |
|---------------|------|------------|------|-----------|------|------|---|
| Treatment Fld | Conc | Inhibitor  | Conc | Sand Type | Size | Qty  |   |

### Fluid Data

| Stage/Plug #: 1 |            |            |     |         |                        |              |                  |              |                        |
|-----------------|------------|------------|-----|---------|------------------------|--------------|------------------|--------------|------------------------|
| Fluid #         | Stage Type | Fluid Name | Qty | Qty uom | Mixing Density lbm/gal | Yield ft3/sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk |

Stage/Plug #: 1



| Stage/Plug #: 1                          |                        |                                       |            |                                   |                        |                           |                  |              |                        |
|--|------------------------|---------------------------------------|------------|-----------------------------------|------------------------|---------------------------|------------------|--------------|------------------------|
| Fluid #                                  | Stage Type             | Fluid Name                            | Qty        | Qty uom                           | Mixing Density lbm/gal | Yield ft <sup>3</sup> /sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk |
| 1  | FRESH WATER            |                                       |            | bbl                               | 8.33                   | .0                        | .0               | .0           |                        |
| 2  | Trinidad Surface Blend | TRINIDAD SURFACE BLEND - SBM (137081) | 80.0       | sacks                             | 14.                    | 1.66                      | 7.76             | 4.0          | 7.76                   |
|  | 0.125 lbm              | POLY-E-FLAKE (101216940)              |            |                                   |                        |                           |                  |              |                        |
|  | 2 %                    | CAL-SEAL 60, 50 LB BAG (101217146)    |            |                                   |                        |                           |                  |              |                        |
|  | 2 %                    | ECONOLITE (100001580)                 |            |                                   |                        |                           |                  |              |                        |
|  | 5 lbm                  | GILSONITE, 50 LB BAG (100001618)      |            |                                   |                        |                           |                  |              |                        |
|  | 0.2 %                  | VERSASET, 55 LB SK (101376573)        |            |                                   |                        |                           |                  |              |                        |
|  | 6 %                    | SALT, 100 LB BAG (100003652)          |            |                                   |                        |                           |                  |              |                        |
|  | 7.76 Gal               | FRESH WATER                           |            |                                   |                        |                           |                  |              |                        |
| 3  | DISPLACEMENT           |                                       |            | bbl                               | 8.33                   | .0                        | .0               | .0           |                        |
| <b>Calculated Values</b>                 |                        | <b>Pressures</b>                      |            | <b>Volumes</b>                    |                        |                           |                  |              |                        |
| Displacement                             | 2,3                    | Shut In: Instant                      |            | Lost Returns                      | no                     | Cement Slurry             | 23               | Pad          |                        |
| Top Of Cement                            | surf                   | 5 Min                                 |            | Cement Returns                    | 3                      | Actual Displacement       |                  | Treatment    |                        |
| Frac Gradient                            |                        | 15 Min                                |            | Spacers                           | 20                     | Load and Breakdown        |                  | Total Job    |                        |
| <b>Rates</b>                             |                        |                                       |            |                                   |                        |                           |                  |              |                        |
| Circulating                              | 4                      | Mixing                                | 4          | Displacement                      | 2                      | Avg. Job                  |                  |              |                        |
| Cement Left In Pipe                      | Amount 20 ft           | Reason                                | Shoe Joint |                                   |                        |                           |                  |              |                        |
| Frac Ring # 1 @                          | ID                     | Frac ring # 2 @                       | ID         | Frac Ring # 3 @                   | ID                     | Frac Ring # 4 @           | ID               |              |                        |
| The Information Stated Herein Is Correct |                        |                                       |            | Customer Representative Signature |                        |                           |                  |              |                        |

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|                                      |  |                      |                                   |                           |                |                        |  |
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| Field:                               |  | City (SAP): TRINIDAD |                                   | County/Parish: Las Animas |                | State: Colorado        |  |
| Legal Description:                   |  |                      |                                   |                           |                |                        |  |
| Lat:                                 |  |                      |                                   | Long:                     |                |                        |  |
| Contractor: Pense Drilling           |  |                      | Rig/Platform Name/Num: 19         |                           |                |                        |  |
| Job Purpose: Cement Conductor Casing |  |                      |                                   |                           | Ticket Amount: |                        |  |
| Well Type: Development Well          |  |                      | Job Type: Cement Conductor Casing |                           |                |                        |  |
| Sales Person: FLING, MATTHEW         |  |                      | Srvc Supervisor: SANFORD, DALE    |                           |                | MBU ID Emp #: 219527   |  |

| Activity Description | Date/Time        | Cht # | Rate bbl/min | Volume bbl |       | Pressure psig |        | Comments         |
|----------------------|------------------|-------|--------------|------------|-------|---------------|--------|------------------|
|                      |                  |       |              | Stage      | Total | Tubing        | Casing |                  |
| Test Lines           | 07/09/2011 17:18 |       |              |            |       | 1500.0        |        |                  |
| Pump Spacer 1        | 07/09/2011 17:20 |       | 4            | 20         |       |               | 80.0   | Gel Pill         |
| Shutdown             | 07/09/2011 17:40 |       |              |            |       |               |        |                  |
| Pump Cement          | 07/09/2011 17:46 |       | 4            | 23         |       |               | 100.0  | 80 Sks Cmt @ 14# |
| Pump Displacement    | 07/09/2011 17:55 |       | 2            | 2.5        |       |               | 40.0   | water            |
| Shut In Well         | 07/09/2011 17:58 |       |              |            |       |               |        | 3 bbl cmt to pit |