



**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

|   |   |
|---|---|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(If no, Submit Copy)</i><br><br>List All E. Logs Run: | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br>Name Top Datum |
|---|---|

| CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used  |                   |                           |                   |               |                |              |                            |
|---|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. |                   |                           |                   |               |                |              |                            |
| Purpose of String   | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |

| ADDITIONAL CEMENTING / SQUEEZE RECORD  |                  |                |              |                            |
|--|------------------|----------------|--------------|----------------------------|
| Purpose:   | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| _____ Perforate<br>_____ Protect Casing<br>_____ Plug Back TD<br>_____ Plug Off Zone |                  |                |              |                            |
|  |                  |                |              |                            |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br><i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing    Pumping    Gas Lift    Other (Explain) \_\_\_\_\_

|                                   |           |         |             |               |         |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| Estimated Production Per 24 Hours | Oil Bbbs. | Gas Mcf | Water Bbbs. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|

|   |   |  |
|---|---|--|
| DISPOSITION OF GAS:<br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION:<br><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i><br><input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL:<br>_____<br>_____ |
|---|---|--|

The Road to Excellence Starts with Safety

|  |                           |                                   |                          |
|--|---------------------------|-----------------------------------|--------------------------|
| Sold To #: 300466                        | Ship To #: 2972948        | Quote #:                          | Sales Order #: 900118725 |
| Customer: ANADARKO PETROLEUM CORP - EBUS |                           | Customer Rep: WATKINS, MIKE       |                          |
| Well Name: Hume                          | Well #: 28-2              | API/UWI #:                        |                          |
| Field:                                   | City (SAP):               | County/Parish: Stanton            | State: Kansas            |
| Contractor: Murfin                       | Rig/Platform Name/Num: 21 |                                   |                          |
| Job Purpose: Cement Surface Casing       |                           |                                   |                          |
| Well Type: Development Well              |                           | Job Type: Cement Surface Casing   |                          |
| Sales Person: KRANZ, ZACHARY             |                           | Srvc Supervisor: RODRIGUEZ, EDGAR |                          |
| MBU ID Emp #: 442125                     |                           |                                   |                          |

### Job Personnel

| HES Emp Name    | Exp Hrs | Emp #  | HES Emp Name   | Exp Hrs | Emp #  | HES Emp Name               | Exp Hrs | Emp #  |
|-----------------|---------|--------|----------------|---------|--------|----------------------------|---------|--------|
| MENDOZA, VICTOR | 4       | 442596 | RAMIREZ, JORGE | 4       | 498481 | RODRIGUEZ, EDGAR Alejandro | 4       | 442125 |
| SPENCE, PAT     | 4       | 534792 |                |         |        |                            |         |        |

### Equipment

| HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
|            |                |            |                |            |                |            |                |

### Job Hours

| Date         | On Location Hours | Operating Hours | Date  | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|--------------|-------------------|-----------------|---|-------------------|-----------------|------|-------------------|-----------------|
| 1/5/2013     | 4                 | 2.5             |   |                   |                 |      |                   |                 |
| <b>TOTAL</b> |                   |                 | <i>Total is the sum of each column separately</i> |                   |                 |      |                   |                 |

### Job

### Job Times

| Formation Name         | Formation Depth (MD) | Top | Bottom            | Called Out  | Date            | Time            | Time Zone |
|------------------------|----------------------|-----|-------------------|-------------|-----------------|-----------------|-----------|
|                        |                      |     |                   | On Location | 04 - Jan - 2013 | 20:30           | CST       |
| Form Type              |                      |     | BHST              | On Location | 05 - Jan - 2013 | 00:30           | CST       |
| Job depth MD           | 1633. ft             |     | Job Depth TVD     | 1635. ft    | Job Started     | 05 - Jan - 2013 | 02:32     |
| Water Depth            |                      |     | Wk Ht Above Floor | 3. ft       | Job Completed   | 05 - Jan - 2013 | 04:05     |
| Perforation Depth (MD) | From                 |     | To                |             | Departed Loc    | 05 - Jan - 2013 | 05:10     |

### Well Data

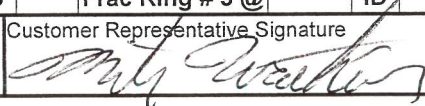
| Description           | New / Used | Max pressure psig | Size in | ID in | Weight lbm/ft | Thread      | Grade | Top MD ft | Bottom MD ft | Top TVD ft | Bottom TVD ft |
|-----------------------|------------|-------------------|---------|-------|---------------|-------------|-------|-----------|--------------|------------|---------------|
| 12 1/4" Surface Hole  |            |                   |         | 12.25 |               |             |       |           | 1605.        |            |               |
| 8 5/8" Surface Casing | Unknown    |                   | 8.625   | 3.097 | 24.           | 8 RD (ST&C) | J-55  |           | 1605.        |            |               |

### Sales/Rental/3<sup>rd</sup> Party (HES)

| Description                                 | Qty | Qty uom | Depth | Supplier |
|---|-----|---------|-------|----------|
| PLUG,CMTG, TOP, 8 5/8, HW, 7.20 MIN/8.09 MA | 1   | EA      |       |          |
| SHOE, GID, 8-5/8 8RD                        | 1   | EA      |       |          |
| VLVASSY, INSR FLOAT, 8-5/8 8RD, 24 lbs/ft   | 1   | EA      |       |          |
| FILLUP ASSY - 1.500 ID - 7 IN. - 8-5/8      | 1   | EA      |       |          |
| CENTRALIZER ASSY - API - 8-5/8 CSG X        | 7   | EA      |       |          |
| CLAMP - LIMIT - 8-5/8 - HINGED -            | 1   | EA      |       |          |
| BASKET - CEMENT - 8 5/8 CSG X 12 1/4        | 1   | EA      |       |          |
| KIT, HALL WELD-A                            | 1   | EA      |       |          |

### Tools and Accessories

| Type         | Size  | Qty | Make | Depth | Type        | Size | Qty | Make | Depth | Type           | Size  | Qty | Make |
|--------------|-------|-----|------|-------|-------------|------|-----|------|-------|----------------|-------|-----|------|
| Guide Shoe   | 8 5/8 | 1   | HES  |       | Packer      |      |     |      |       | Top Plug       | 8 5/8 | 1   | HES  |
| Float Shoe   |       |     |      |       | Bridge Plug |      |     |      |       | Bottom Plug    |       |     |      |
| Float Collar |       |     |      |       | Retainer    |      |     |      |       | SSR plug set   |       |     |      |
| Insert Float |       |     |      |       |             |      |     |      |       | Plug Container | 8 5/8 | 1   | HES  |
| Stage Tool   |       |     |      |       |             |      |     |      |       | Centralizers   | 8 5/8 | 1   | HES  |

| 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 |      |   |
| 1  | Water Pre-Flush |   |           |  | 10.00          | bbl             | 8.33                   | .0                  | .0               | 6.0          |                        |      |   |
| 2  | Lead Slurry     | VARICEM (TM) CEMENT (452009)                |           |  | 410.0          | sacks           | 11.4                   | 2.95                | 18.09            | 6.0          | 18.09                  |      |   |
|  | 3 %             | CALCIUM CHLORIDE, PELLET, 50 LB (101509387) |           |  |                |                 |                        |                     |                  |              |                        |      |   |
|  | 0.1 %           | WG-17, 50 LB SK (100003623)                 |           |  |                |                 |                        |                     |                  |              |                        |      |   |
|  | 0.5 lbm         | POLY-E-FLAKE (101216940)                    |           |  |                |                 |                        |                     |                  |              |                        |      |   |
|  | 18.09 Gal       | FRESH WATER                                 |           |  |                |                 |                        |                     |                  |              |                        |      |   |
| 3  | Tail Slurry     | HALCEM (TM) SYSTEM (452986)                 |           |  | 200.0          | sacks           | 15.6                   | 1.2                 | 5.22             | 6.0          | 5.22                   |      |   |
|  | 2 %             | CALCIUM CHLORIDE, PELLET, 50 LB (101509387) |           |  |                |                 |                        |                     |                  |              |                        |      |   |
|  | 0.25 lbm        | POLY-E-FLAKE (101216940)                    |           |  |                |                 |                        |                     |                  |              |                        |      |   |
|  | 5.218 Gal       | FRESH WATER                                 |           |  |                |                 |                        |                     |                  |              |                        |      |   |
| 4  | Displacement    |   |           |  | 100.00         | bbl             | 8.33                   | .0                  | .0               | .0           |                        |      |   |
| Calculated Values                        |                 |   | Pressures |  |                | Volumes         |                        |                     |                  |              |                        |      |   |
| Displacement                             | 101             | Shut In: Instant                            |           |  | Lost Returns   |                 | Cement Slurry          |                     | 258              | Pad          |                        |      |   |
| Top Of Cement                            | SURFACE         | 5 Min                                       |           |  | Cement Returns |                 | 100                    | Actual Displacement |                  | 101          | Treatment              |      |   |
| Frac Gradient                            |                 | 15 Min                                      |           |  | Spacers        |                 | 10                     | Load and Breakdown  |                  |              | Total Job              |      |   |
|  |                 |   |           |  |                |                 |                        |                     |                  |              | 369                    |      |   |
| Rates                                    |                 |   |           |  |                |                 |                        |                     |                  |              |                        |      |   |
| Circulating                              | 5               | Mixing                                      |           |  | 5              | Displacement    |                        | 5                   | Avg. Job         |              | 5                      |      |   |
| Cement Left In Pipe                      | Amount          | 42 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  |                |                 |                        |                     |                  |              |                        |      |   |
|  |                 |   |           |  |                |                 |                        |                     |                  |              |                        |      |   |

The Road to Excellence Starts with Safety

|  |                    |                                   |                          |
|--|--------------------|-----------------------------------|--------------------------|
| Sold To #: 300466                        | Ship To #: 2972948 | Quote #:                          | Sales Order #: 900118725 |
| Customer: ANADARKO PETROLEUM CORP - EBUS |                    | Customer Rep: WATKINS, MIKE       |                          |
| Well Name: Hume                          | Well #: 28-2       | API/UWI #:                        |                          |
| Field:                                   | City (SAP):        | County/Parish: Stanton            | State: Kansas            |
| Legal Description:                       |                    |                                   |                          |
| Lat:                                     |                    | Long:                             |                          |
| Contractor: Murfin                       |                    | Rig/Platform Name/Num: 21         |                          |
| Job Purpose: Cement Surface Casing       |                    |                                   | Ticket Amount:           |
| Well Type: Development Well              |                    | Job Type: Cement Surface Casing   |                          |
| Sales Person: KRANZ, ZACHARY             |                    | Srvc Supervisor: RODRIGUEZ, EDGAR | MBU ID Emp #: 442125     |

| Activity Description                  | Date/Time           | Cht # | Rate bbl/min | Volume bbl |       | Pressure psig |        | Comments   |
|---------------------------------------|---------------------|-------|--------------|------------|-------|---------------|--------|--|
|                                       |                     |       |              | Stage      | Total | Tubing        | Casing |  |
| Call Out                              | 01/04/2013<br>20:30 |       |              |            |       |               |        | DISPATCH CALLED CEMENT CREW OUT FOR JOB. ANADARKO PETROLEUM HUME #28-2 8 5/8 SURFACE CASING              |
| Other                                 | 01/04/2013<br>21:00 |       |              |            |       |               |        | LOAD EQUIPMENT   |
| Depart Yard Safety Meeting            | 01/04/2013<br>22:20 |       |              |            |       |               |        | DISCUSSED ALL ROUTES TO TAKE AND THE POSSIBLE HAZARDS ON THE ROAD. DISCUSSED ALL PLANNED STOPS.          |
| Crew Leave Yard                       | 01/04/2013<br>22:30 |       |              |            |       |               |        |  |
| Arrive At Loc                         | 01/05/2013<br>00:30 |       |              |            |       |               |        |  |
| Assessment Of Location Safety Meeting | 01/05/2013<br>00:35 |       |              |            |       |               |        | RUNNIG CASING. GOT NUMBERS FROM CUSTOMER REP. TP=8 5/8 24# J-55 1633.04' OH=12 1/4 @1635' SJ=41.86'      |
| Pre-Rig Up Safety Meeting             | 01/05/2013<br>00:40 |       |              |            |       |               |        | WENT OVER JSA TO DISCUSS ALL RED ZONES. WHERE TO SPOT EQUIPMENT AND RUN LINES. HAVE SPOTTER AT ALL TIMES |
| Rig-Up Equipment                      | 01/05/2013<br>00:50 |       |              |            |       |               |        |  |
| Rig-Up Completed                      | 01/05/2013<br>01:20 |       |              |            |       |               |        |  |
| Activity Description                  | Date/Time           | Cht   | Rate bbl/min | Volume bbl |       | Pressure psig |        | Comments   |

Sold To #: 300466

Ship To #: 2972948

Quote #:

Sales Order #: 900118725

SUMMIT Version: 7.3.0070

Saturday, January 05, 2013 05:07:00

|                           |                     | #   |     | Stage | Total | Tubing | Casing |   |
|---------------------------|---------------------|-----|-----|-------|-------|--------|--------|---|
| Casing on Bottom          | 01/05/2013<br>01:30 |     |     |       |       |        |        | WILL CIRCULATE UNTIL THEY RIG DOWN CASING CREW.   |
| Rig-Up Equipment          | 01/05/2013<br>02:10 |     |     |       |       |        |        | WILL LOAD TOP PLUG IN PLUG CONTAINER WHILE CUSTOMER REP WITNESSES. WILL RIG UP IRON ON FLOOR AND STAB PLUG CONTAINER.   |
| Pre-Job Safety Meeting    | 01/05/2013<br>02:20 |     |     |       |       |        |        | DISCUSSED HAZARDS, JOB STEPS WITH ALL ON LOCATION. WENT OVER NUMBERS, PUMPING RATES, AND PRESSURES WITH CUSTOMER REP. HAD EVERYBODY INVOLVED SIGN HES SAFETY SHEET. |
| Start Job                 | 01/05/2013<br>02:32 |     |     |       |       |        |        |   |
| Test Lines                | 01/05/2013<br>02:32 |     |     |       |       |        | 2211.0 | PRESSURE TEST TO 2000 PSI.  |
| Pump Spacer 1             | 01/05/2013<br>02:39 | 5   | 10  |       |       |        | 298.0  | FRESH WATER   |
| Pump Lead Cement          | 01/05/2013<br>02:41 | 5.5 | 215 |       |       |        | 187.0  | 410 SKS HLA STANDARD CMT @11.4 (215 BBLS)   |
| Pump Tail Cement          | 01/05/2013<br>03:19 | 5   | 43  |       |       |        | 143.0  | 200 SKS STANDARD CLASS CMT @15.6 (43 BBLS)  |
| Cement Returns to Surface | 01/05/2013<br>03:27 |     |     |       |       |        |        | TOTAL OF 100 BBLS OF CEMENT TO SURFACE  |
| Shutdown                  | 01/05/2013<br>03:28 |     |     |       |       |        |        |   |
| Drop Plug                 | 01/05/2013<br>03:30 |     |     |       |       |        |        | 8 5/8 HWE TOP PLUG  |
| Pump Displacement         | 01/05/2013<br>03:31 | 5   | 71  | 71    |       |        | 88.0   | WASH ON TOP OF PLUG WITH FRESH WATER.   |
| Slow Rate                 | 01/05/2013<br>03:43 | 3   | 10  | 81    |       |        | 123.0  | SLOW RATE RIGHT BEFORE DISPLACEMENT REACHES CEMENT  |
| Displ Reached Cmnt        | 01/05/2013<br>03:48 | 3   |     |       |       |        |        |   |
| Slow Rate                 | 01/05/2013<br>03:56 | 1   | 10  | 91    |       |        | 394.0  | SLOW TO 3 BPM TO BUMP PLUG  |

| Activity Description           | Date/Time           | Cht # | Rate bbl/min | Volume bbl |       | Pressure psig |        | Comments  |
|--------------------------------|---------------------|-------|--------------|------------|-------|---------------|--------|---|
|                                |                     |       |              | Stage      | Total | Tubing        | Casing |   |
| Bump Plug                      | 01/05/2013<br>04:03 |       | 1            | 10         | 101   |               | 418.0  | BUMP PLUG 500 PSI OVER. FINAL PRESSURE WAS 997 PSI  |
| Check Floats                   | 01/05/2013<br>04:05 |       |              |            |       |               |        | FLOATS HELD. 1/2 BBL BACK   |
| End Job                        | 01/05/2013<br>04:05 |       |              |            |       |               |        | FLOATS HELD BUT CUSTOMER REP WANTS TO LEAVE HEAD SHUT IN. WILL WAIT 4 HOURS AND THEN TAKE THE HEAD OFF. |
| Pre-Rig Down Safety Meeting    | 01/05/2013<br>04:10 |       |              |            |       |               |        | DISCUSSED ALL RED ZONES. PROPER LIFTING. SPOTTING EQUIPMENT OUT OF LOCATION                             |
| Other                          | 01/05/2013<br>04:20 |       |              |            |       |               |        | FINISH PAPER WORK AND HAVE CUSTOMER REP. SIGN IT.   |
| Rig-Down Equipment             | 01/05/2013<br>04:20 |       |              |            |       |               |        |   |
| Rig-Down Completed             | 01/05/2013<br>04:50 |       |              |            |       |               |        |   |
| Depart Location Safety Meeting | 01/05/2013<br>05:00 |       |              |            |       |               |        | DISCUSSED ALL ROUTES AND POTENTIAL HAZARDS ON THE WAY BACK TO THE YARD.                                 |
| Crew Leave Location            | 01/05/2013<br>05:10 |       |              |            |       |               |        | THANK YOU EDGAR A. RODRIGUEZ AND HALLIBURTON CREW.  |

*The Road to Excellence Starts with Safety*

|   |                            |   |                                 |
|---|----------------------------|---|---------------------------------|
| <b>Sold To #:</b> 300466                                    | <b>Ship To #:</b> 2972948  | <b>Quote #:</b>                           | <b>Sales Order #:</b> 900134375 |
| <b>Customer:</b> ANADARKO PETROLEUM CORP - EBUS             |                            | <b>Customer Rep:</b> WATKINS, MIKE        |                                 |
| <b>Well Name:</b> Hume                                      |                            | <b>Well #:</b> 28-2                       | <b>API/UWI #:</b> 15-187-21220  |
| <b>Field:</b>   | <b>City (SAP):</b> JOHNSON | <b>County/Parish:</b> Stanton             | <b>State:</b> Kansas            |
| <b>Legal Description:</b> Section 28 Township 29S Range 41W |                            |   |                                 |
| <b>Contractor:</b> Murfin                                   |                            | <b>Rig/Platform Name/Num:</b> 21          |                                 |
| <b>Job Purpose:</b> Cement Production Casing                |                            |   |                                 |
| <b>Well Type:</b> Development Well                          |                            | <b>Job Type:</b> Cement Production Casing |                                 |
| <b>Sales Person:</b> KRANZ, ZACHARY                         |                            | <b>Srvc Supervisor:</b> CARRILLO, EDUARDO | <b>MBU ID Emp #:</b> 371263     |

**Job Personnel**

| HES Emp Name               | Exp Hrs | Emp #  | HES Emp Name           | Exp Hrs | Emp #  | HES Emp Name | Exp Hrs | Emp #  |
|----------------------------|---------|--------|------------------------|---------|--------|--------------|---------|--------|
| CARRILLO, EDUARDO Carrillo | 7       | 371263 | CARRILLO, JOSE Armenta | 7       | 312540 | LUNA, JOSE A | 7       | 480456 |
| MENDOZA, VICTOR            | 7       | 442596 | NASH, JONATHAN Clark   | 7       | 524600 |              |         |        |

**Equipment**

| HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way | HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10025025   | 85 mile        | 10741245   | 85 mile        | 10744298C  | 85 mile        | 10924982   | 85 mile        |
| 10988832   | 85 mile        | 10998524   | 85 mile        | 11133699   | 85 mile        |            |                |

**Job Hours**

| Date      | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|-----------|-------------------|-----------------|------|-------------------|-----------------|------|-------------------|-----------------|
| 1/12/2012 | 7                 | 2               |      |                   |                 |      |                   |                 |

**TOTAL** *Total is the sum of each column separately*

**Job**

**Job Times**

| Formation Name                | Formation Depth (MD) | Top | Bottom                   | Called Out         | Date                 | Time            | Time Zone |
|-------------------------------|----------------------|-----|--------------------------|--------------------|----------------------|-----------------|-----------|
|                               |                      |     |                          |                    | 12 - Jan - 2013      | 08:00           | CST       |
| <b>Form Type</b>              |                      |     | <b>BHST</b>              | <b>On Location</b> | 12 - Jan - 2013      | 12:00           | CST       |
| <b>Job depth MD</b>           | 5603. ft             |     | <b>Job Depth TVD</b>     | 5603. ft           | <b>Job Started</b>   | 12 - Jan - 2013 | 16:27     |
| <b>Water Depth</b>            |                      |     | <b>Wk Ht Above Floor</b> | 5. ft              | <b>Job Completed</b> | 12 - Jan - 2013 | 18:17     |
| <b>Perforation Depth (MD)</b> | <b>From</b>          |     | <b>To</b>                |                    | <b>Departed Loc</b>  | 12 - Jan - 2013 | 20:00     |

**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 |
|--------------------------|------------|-------------------|---------|-------|---------------|-------------|-------|-----------|--------------|------------|---------------|
| 7 7/8" Production Hole   |            |                   |         | 7.875 |               |             |       | 1602.     | 5560.        |            |               |
| 5 1/2" Production Casing | Unknown    |                   | 5.5     | 4.95  | 15.5          | 8 RD (ST&C) | J-55  | .         | 5560.        |            |               |
| 8 5/8" Surface Casing    | Unknown    |                   | 8.625   | 8.097 | 24.           | 8 RD (ST&C) | J-55  | .         | 1602.        |            |               |

**Sales/Rental/3<sup>rd</sup> Party (HES)**

| Description                          | Qty | Qty uom | Depth | Supplier |
|--------------------------------------|-----|---------|-------|----------|
| SHOE,GID,5-1/2 8RD                   | 1   | EA      |       |          |
| PLUG ASSY,3 WIPR LTH-DWN,5 1/2 CSG   | 1   | EA      |       |          |
| BAFFLE ASSY - 5-1/2 8RD - LATCH-DOWN | 1   | EA      |       |          |
| CENTRALIZER ASSY - TURBO - API -     | 20  | EA      |       |          |
| CLAMP - LIMIT - 5-1/2 - HINGED -     | 1   | EA      |       |          |
| KIT,HALL WELD-A                      | 1   | EA      |       |          |

**Tools and Accessories**

| Type       | Size | Qty | Make | Depth | Type        | Size | Qty | Make | Depth | Type        | Size  | Qty | Make |
|------------|------|-----|------|-------|-------------|------|-----|------|-------|-------------|-------|-----|------|
| Guide Shoe |      |     |      |       | Packer      |      |     |      |       | Top Plug    | 5 1/2 | 1   | h    |
| Float Shoe |      |     |      |       | Bridge Plug |      |     |      |       | Bottom Plug |       |     |      |



|              |  |  |  |  |          |  |  |  |  |                |       |   |   |
|--------------|--|--|--|--|----------|--|--|--|--|----------------|-------|---|---|
| Float Collar |  |  |  |  | Retainer |  |  |  |  | SSR plug set   |       |   |   |
| Insert Float |  |  |  |  |          |  |  |  |  | Plug Container | 5 1/2 | 1 | h |
| 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 |
|---------|---|--|--------|---------|------------------------|--------------|------------------|--------------|------------------------|
| 1       | Water Pre-Flush                         |  | 10.00  | bbl     | 8.33                   | .0           | .0               | 6.0          |                        |
| 2       | Scavenger Slurry                        | POZ PREMIUM 50/50 - SBM (12302)                          | 25.0   | sacks   | 10.5                   | 4.32         | 26.94            | 6.0          | 26.94                  |
|         | 5 %                                     | CAL-SEAL 60, 50 LB BAG (101217146)                       |        |         |                        |              |                  |              |                        |
|         | 5 %                                     | POTASSIUM CHLORIDE 5% (100001585)                        |        |         |                        |              |                  |              |                        |
|         | 8 lbm                                   | KOL-SEAL, 50 LB BAG (100064232)                          |        |         |                        |              |                  |              |                        |
|         | 0.5 %                                   | HALAD(R)-322, 50 LB (100003646)                          |        |         |                        |              |                  |              |                        |
|         | 26.941 Gal                              | FRESH WATER  |        |         |                        |              |                  |              |                        |
| 3       | Tail Slurry                             | POZ PREMIUM 50/50 - SBM (12302)                          | 275.0  | sacks   | 13.9                   | 1.56         | 6.65             | 6.0          | 6.65                   |
|         | 5 %                                     | CAL-SEAL 60, 50 LB BAG (101217146)                       |        |         |                        |              |                  |              |                        |
|         | 5 %                                     | POTASSIUM CHLORIDE 5% (100001585)                        |        |         |                        |              |                  |              |                        |
|         | 8 lbm                                   | KOL-SEAL, 50 LB BAG (100064232)                          |        |         |                        |              |                  |              |                        |
|         | 0.5 %                                   | HALAD(R)-322, 50 LB (100003646)                          |        |         |                        |              |                  |              |                        |
|         | 6.647 Gal                               | FRESH WATER  |        |         |                        |              |                  |              |                        |
| 4       | Displacement                            |  | 131.00 | bbl     | 8.33                   | .0           | .0               | 6.0          |                        |
|         | 0.8 gal/Mgal                            | CLA-WEB - TOTE (101985045)                               |        |         |                        |              |                  |              |                        |
| 5       | 100 sks Neat Cement/Fill Mouse&Rat Hole | CMT - STANDARD CEMENT (100003684)                        | 100.0  | sacks   | 15.6                   | 1.18         | 5.23             |              | 5.23                   |
|         | 94 lbm                                  | CMT - STANDARD - CLASS A REG OR TYPE I, BULK (100003684) |        |         |                        |              |                  |              |                        |
|         | 5.225 Gal                               | FRESH WATER  |        |         |                        |              |                  |              |                        |

#### Calculated Values

#### Pressures

#### Volumes

|               |         |                  |  |                |   |                     |     |           |     |
|---------------|---------|------------------|--|----------------|---|---------------------|-----|-----------|-----|
| Displacement  | 132     | Shut In: Instant |  | Lost Returns   | 0 | Cement Slurry       | 95  | Pad       |     |
| Top Of Cement | 2547.37 | 5 Min            |  | Cement Returns | 0 | Actual Displacement | 132 | Treatment |     |
| Frac Gradient |         | 15 Min           |  | Spacers        | 5 | Load and Breakdown  |     | Total Job | 232 |

#### Rates

|                     |        |                 |        |                 |    |                 |     |
|---------------------|--------|-----------------|--------|-----------------|----|-----------------|-----|
| Circulating         | 5      | Mixing          | 6      | Displacement    | 3  | Avg. Job        | 4.5 |
| Cement Left In Pipe | Amount | 42 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

*The Road to Excellence Starts with Safety*

|   |   |  |                                 |
|---|---|--|---------------------------------|
| <b>Sold To #:</b> 300466                                    | <b>Ship To #:</b> 2972948                 | <b>Quote #:</b>                                  | <b>Sales Order #:</b> 900134375 |
| <b>Customer:</b> ANADARKO PETROLEUM CORP - EBUS             |   | <b>Customer Rep:</b> WATKINS, MIKE               |                                 |
| <b>Well Name:</b> Hume                                      | <b>Well #:</b> 28-2                       | <b>API/UWI #:</b> 15-187-21220                   |                                 |
| <b>Field:</b>   | <b>City (SAP):</b> JOHNSON                | <b>County/Parish:</b> Stanton                    | <b>State:</b> Kansas            |
| <b>Legal Description:</b> Section 28 Township 29S Range 41W |   |  |                                 |
| <b>Lat:</b> N 0 deg. OR N 0 deg. 0 min. 0 secs.             |   | <b>Long:</b> E 0 deg. OR E 0 deg. 0 min. 0 secs. |                                 |
| <b>Contractor:</b> Murfin                                   | <b>Rig/Platform Name/Num:</b> 21          |  |                                 |
| <b>Job Purpose:</b> Cement Production Casing                |   |  | <b>Ticket Amount:</b>           |
| <b>Well Type:</b> Development Well                          | <b>Job Type:</b> Cement Production Casing |  |                                 |
| <b>Sales Person:</b> KRANZ, ZACHARY                         | <b>Srvc Supervisor:</b> CARRILLO, EDUARDO | <b>MBU ID Emp #:</b> 371263                      |                                 |

| Activity Description                              | Date/Time           | Cht # | Rate bbl/min | Volume bbl |       | Pressure psig |        | Comments   |
|---|---------------------|-------|--------------|------------|-------|---------------|--------|--|
|   |                     |       |              | Stage      | Total | Tubing        | Casing |  |
| Call Out  | 01/12/2013<br>08:00 |       |              |            |       |               |        | Dispach Called Cement Crew Out For Anadarko Job On Well Hume # 28-2. A 5 1/2 Production.                         |
| Other   | 01/12/2013<br>09:00 |       |              |            |       |               |        | Loading Equipment.   |
| Pre-Convoy Safety Meeting                         | 01/12/2013<br>10:00 |       |              |            |       |               |        | Discussed All Routs To Take And Hazards On The Road. Discussed All Stops.  |
| Arrive At Loc                                     | 01/12/2013<br>12:00 |       |              |            |       |               |        |  |
| Assessment Of Location Safety Meeting             | 01/12/2013<br>12:05 |       |              |            |       |               |        | Rig Was Runing Casing In Hole  |
| Other   | 01/12/2013<br>12:10 |       |              |            |       |               |        | Got Numbers From Customer Rep // TD = 5620 FT // TP = 5603.63 FT // SJ = 46.18 FT // Displacement = 132 BBLS H2O |
| Pre-Rig Up Safety Meeting                         | 01/12/2013<br>12:35 |       |              |            |       |               |        | Discussed All Red Zones Were To Spot In Equipment And Run Lines. Have Spoter At All Times. Whent Over JSA.       |
| Rig-Up Completed                                  | 01/12/2013<br>13:35 |       |              |            |       |               |        |  |
| Wait on Customer or Customer Sub-Contractor Equip | 01/12/2013<br>13:40 |       |              |            |       |               |        | Wating On Rig.   |
| Other   | 01/12/2013<br>15:25 |       |              |            |       |               |        | Casing At Bottom   |
| Activity Description                              | Date/Time           | Cht # | Rate bbl/min | Volume bbl |       | Pressure psig |        | Comments   |
|   |                     |       |              | Stage      | Total | Tubing        | Casing |  |

| Other                  | 01/12/2013<br>15:30 |       |              |            |       |               |        | Rig Circulating Customer Rep Said They Were Going To Circulat 2 Casing Valumes.   |
|------------------------|---------------------|-------|--------------|------------|-------|---------------|--------|---|
| Pre-Job Safety Meeting | 01/12/2013<br>15:45 |       |              |            |       |               |        | Discussed Job Step With All On Location Whent Over Numbers With Customer Rep Pumping Rates And PSI. Had Rig Hands Sign Safety Sheet. Customer Rep Said To Pump At 5 To 6 BPM. And 3 BPM Once Displacement Reaches CMT. And Bump Plug @ 2 BPM. |
| Start Job              | 01/12/2013<br>16:27 |       |              |            |       |               |        |   |
| Test Lines             | 01/12/2013<br>16:29 |       |              |            |       | 4000.0        |        | Test Lines @ 4000 PSI. Heal For 1 Min.  |
| Pump Spacer 1          | 01/12/2013<br>16:34 |       | 4            | 5          | 5     | 130.0         |        | Pumped 5 BBLs H2O Fresh Water. Per Customer Rep   |
| Pump Lead Cement       | 01/12/2013<br>16:36 |       | 6            | 19         | 24    | 150.0         |        | Pumped 25 SKS CMT @ 10.5 PPG // 25 = 19 BBLs CMT // 25 X 4.32 = 108 CU/FT Lead CMT.   |
| Pump Tail Cement       | 01/12/2013<br>16:40 |       | 6            | 76         | 100   | 200.0         |        | Pumped 275 SKS CMT @ 13.9 PPG // 275 = 76 BBLs CMT // 275 X 1.56 = 429 CU/FT CMT Tail CMT.  |
| Shutdown               | 01/12/2013<br>16:55 |       |              |            |       |               |        |   |
| Drop Plug              | 01/12/2013<br>16:56 |       |              |            |       |               |        | Dropped Latch Down Plug.  |
| Clean Lines            | 01/12/2013<br>16:57 |       |              |            |       |               |        | Clean Lines Out To Pit.   |
| Activity Description   | Date/Time           | Cht # | Rate bbl/min | Volume bbl |       | Pressure psig |        | Comments  |
|                        |                     |       |              | Stage      | Total | Tubing        | Casing |   |
| Pump Displacement      | 01/12/2013<br>17:07 |       | 6            | 132        | 232   |               | 150.0  | Pumped 132 BBLs Fresh Water Displacment. We Pumped @ 6 BPM Till Displacement Reached CMT @ 90 BBLs Into Displacement @ 150 PSI. Slowed Down @ 3 BPM Per Customer Rep @ 220 PSI. @ 100 BBLs Pumped.  |

# HALLIBURTON

## Cementing Job Log

|                             |                     |  |     |     |     |  |        |  |
|-----------------------------|---------------------|--|-----|-----|-----|--|--------|--|
| Displ Reached Cmmt          | 01/12/2013<br>17:22 |  | 3   | 132 | 232 |  | 220.0  | At 90 BBLS Into Displacement. Slowed Down To 3 BPM And Pressure Was 220 BBLS @ 100 BBLS Of Displacement Pumped. Had Full Returns The Hole Job. |
| Slow Rate                   | 01/12/2013<br>17:34 |  | 2   | 132 | 232 |  | 900.0  | Slowed Down Last 10 BBLS Displacement @ 2 BPM. @ 122 BBLS. Pressure Was @ 900 PSI.   |
| Bump Plug                   | 01/12/2013<br>17:38 |  | 2   | 132 | 232 |  | 1070.0 | Bumped @ 1070 PSI Took To 1560 PSI.  |
| Check Floats                | 01/12/2013<br>17:41 |  |     |     |     |  |        | Got 1 BBLS Back Floats Are Good.   |
| Other                       | 01/12/2013<br>17:45 |  |     |     |     |  |        | Changed Over To Pump Rat And Mouse Hole. CMT .   |
| Pump Cement                 | 01/12/2013<br>17:57 |  | 2.5 | 21  | 253 |  | 100.0  | Pumped 100 SKS CMT @ 15.6 # Pumped 21 BBLS Total For Rat And Mouse Holes Used All 100 SKS.   |
| End Job                     | 01/12/2013<br>18:17 |  |     |     |     |  |        |  |
| Pre-Rig Down Safety Meeting | 01/12/2013<br>18:25 |  |     |     |     |  |        | Discussed All Red Zones Proper Lifting Spotting Equipment Out Of Location  |
| Rig-Down Completed          | 01/12/2013<br>19:25 |  |     |     |     |  |        |  |
| Other                       | 01/12/2013<br>19:45 |  |     |     |     |  |        | Thank You Ed And Crew Halliburton.   |
| Crew Leave Location         | 01/12/2013<br>20:00 |  |     |     |     |  |        | Discussed All Routs And Stops Back To Yard.  |

Sold To # : 300466

Ship To # :2972948

Quote # :

Sales Order # : 900134375

SUMMIT Version: 7.3.0070

Saturday, January 12, 2013 07:21:00