

Operator Name: ANADARKO PETROLEUM CORP. Lease Name: HJV MAHONEY "A" Well #: 1
 Sec. 2 Twp. 34 S. R. 37 East West County: STEVENS

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final cores 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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

| Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: CBL, DIL, CNL-LDT, ML, SONIC. | <input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>CHASE</td> <td>2632</td> <td>476</td> </tr> <tr> <td>COUNCIL GROVE</td> <td>2990</td> <td>118</td> </tr> <tr> <td>B/HEEBNER</td> <td>4274</td> <td>-1166</td> </tr> <tr> <td>MARMATON</td> <td>5132</td> <td>-2024</td> </tr> <tr> <td>MORROW</td> <td>5950</td> <td>-2842</td> </tr> <tr> <td>STE. GENEVIEVE</td> <td>6564</td> <td>-3456</td> </tr> <tr> <td>ST. LOUIS</td> <td>6644</td> <td>-3536</td> </tr> </tbody> </table> | Name | Top | Datum | CHASE | 2632 | 476 | COUNCIL GROVE | 2990 | 118 | B/HEEBNER | 4274 | -1166 | MARMATON | 5132 | -2024 | MORROW | 5950 | -2842 | STE. GENEVIEVE | 6564 | -3456 | ST. LOUIS | 6644 | -3536 |
|---|--|-------|-----|-------|-------|------|-----|---------------|------|-----|-----------|------|-------|----------|------|-------|--------|------|-------|----------------|------|-------|-----------|------|-------|
| Name | Top | Datum | | | | | | | | | | | | | | | | | | | | | | | |
| CHASE | 2632 | 476 | | | | | | | | | | | | | | | | | | | | | | | |
| COUNCIL GROVE | 2990 | 118 | | | | | | | | | | | | | | | | | | | | | | | |
| B/HEEBNER | 4274 | -1166 | | | | | | | | | | | | | | | | | | | | | | | |
| MARMATON | 5132 | -2024 | | | | | | | | | | | | | | | | | | | | | | | |
| MORROW | 5950 | -2842 | | | | | | | | | | | | | | | | | | | | | | | |
| STE. GENEVIEVE | 6564 | -3456 | | | | | | | | | | | | | | | | | | | | | | | |
| ST. LOUIS | 6644 | -3536 | | | | | | | | | | | | | | | | | | | | | | | |

| CASING RECORD <input checked="" 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 |
| SURFACE | 12-1/4" | 8-5/8" | 21.8 | 1772 | C/C | 435/100 | 3%D79, 2%D46, 1/4PPS CF/ 2%CC, 1/4PPS CF. |
| PRODUCTION | 7-7/8" | 5-1/2" | 15.5 | 6820 | 50/50 POZ | 140 | 2%GEL, 10%SALT, 2%D46, 1/4PPS CF. |
| PORT COLLAR | | | | 3589 | 50/50 POZ | 235 | 2%GEL, 10%SALT, 2%D46, 1/4PPS CF. |

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

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth |
|----------------|---|---|-------|
| 6 | 6692-6708 | NONE. | |
| | | | |
| | | | |
| | | | |

| | | | | |
|---------------|--------------------|--------------------|-----------|---|
| TUBING RECORD | Size <u>2-7/8"</u> | Set At <u>6707</u> | Packer At | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
|---------------|--------------------|--------------------|-----------|---|

| | |
|--|--|
| Date of First, Resumed Production, SWD or Enhr. <u>WOPL</u> | Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) |
|--|--|

| | | | | | |
|-----------------------------------|--------------------|---------------------|------------------------|---------------------------|---------|
| Estimated Production Per 24 Hours | Oil Bbls. <u>5</u> | Gas Mcf <u>TSTM</u> | Water Bbls. <u>145</u> | Gas-Oil Ratio <u>TSTM</u> | Gravity |
|-----------------------------------|--------------------|---------------------|------------------------|---------------------------|---------|

| | | |
|---|--|--------------------------------------|
| Disposition of Gas <input checked="" type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Sumit ACO-18.)</i> | METHOD OF COMPLETION <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) | Production Interval <u>6692-6708</u> |
|---|--|--------------------------------------|

Schlumberger
CONFIDENTIAL

Cementing Service Report

ORIGINAL

| | | | | | | | | | | |
|--|------|--|--|--|-----------------------|---|----------------------------|----------------------------------|---|---------------------------------------|
| Customer ANADARKO PETROLEUM COMPANY | | | | | | Job Number 2205541747 | | | | |
| Well HJV MAHONEY A-1 | | | Location (legal) SEC.2-34S-37W | | | Schlumberger Location Perryton, TX | | | Job Start 2003-Jan-30 | |
| Field NA | | Formation Name/Type Dokomite | | | Deviation 0 | | Bit Size 12.3 in | | Well MD 1,772 ft | Well TVD 1,772 ft |
| County Stevens | | State/Province KANSAS | | | BHP psi | | BHST 93 °F | | BHCT 87 °F | Pore Press. Gradient psi/ft |
| Well Master: 0630470850 | | API / UWI: 15189224290000 | | | Casing/Liner | | | | | |
| Rig Name Murphin Drilling 25 | | Drilled For Oil & Gas | | Service Via Land | | Depth, ft 1784 | Size, in 8.63 | Weight, lb/ft 24 | Grade | Thread |
| Offshore Zone | | Well Class New | | Well Type Development | | Tubing/Drill Pipe | | | | |
| Drilling Fluid Type Spud Mud | | Max. Density 9 lb/gal | | Plastic Vh cp | | Depth, | Size, in | Weight, lb/ft | Grade | Thread |
| Service Line Cementing | | Job Type Cem Surface Casing | | | | Perforations/Open Hole | | | | |
| Max. Allowed Tubing Pressure 1500 psi | | Max. Allowed Ann. Pressure 1500 psi | | Wellhead Connection 8 5/8 HS&M | | Top, ft | Bottom, ft | spf | No. of Shots | Total Interval ft |
| Service Instructions CEM 8 5/8 SURFACE CASING W: LEAD: 435 SKS CLASS C+3%D79+0.25 PPS D29 +0.2%D46 TAIL: 100 SKS CLASS C+2%S1+0.25 PPS D29 | | | | | | Diameter in | Treat Down Casing | Displacement 111.5 bbl | Packer Type None | Packer Depth 0 ft |
| Casing/Tubing Secured <input checked="" type="checkbox"/> | | | | | | 1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/> | | Casing Tools | | Squeeze Job |
| Lift Pressure: psi | | | | | | Shoe Type: Guide | | Squeeze Type | | |
| Pipe Rotated <input type="checkbox"/> | | | | | | Pipe Reciprocated <input type="checkbox"/> | | Shoe Depth: 1784 ft | | |
| No. Centralizers: 4 | | Top Plugs: 1 | | Bottom Plugs: | | Stage Tool Type: | | Tool Depth: ft | | |
| Cement Head Type: Single | | | | | | Stage Tool Depth: ft | | Tail Pipe Size: in | | |
| Job Scheduled For: 1/29/2003 19:30 | | Arrived on Location: 2003-Jan-29 19:30 | | Leave Location: 2003-Jan-30 | | Collar Type: Auto-Fill | | Tail Pipe Depth: ft | | |
| | | | | | | Collar Depth: 1739 ft | | Sqz Total Vol: bbl | | |
| Date | Time | Treating Pressure psi | Density lb/gal | Rate bbl/min | Total Vol bbl | Stage Vol bbl | 0 | 0 | Message | |
| 2003-Jan-30 | 0:47 | 0 | 8.39 | 0.0 | 0.0 | 0.0 | 0 | 0 | | |
| 2003-Jan-30 | 0:47 | | | | | | | | Pressure Test Lines | |
| 2003-Jan-30 | 0:47 | 5 | 8.39 | 0.0 | 0.0 | 0.0 | 0 | 0 | | |
| 2003-Jan-30 | 0:48 | 0 | 8.39 | 0.0 | 0.0 | 0.0 | 0 | 0 | | |
| 2003-Jan-30 | 0:48 | 5 | 8.39 | 0.3 | 0.0 | 0.0 | 0 | 0 | | |
| 2003-Jan-30 | 0:49 | 1561 | 8.39 | 0.0 | 0.2 | 0.2 | 0 | 0 | RECEIVED KANSAS CORPORATION COMMISSION | |
| 2003-Jan-30 | 0:49 | 32 | 8.39 | 0.0 | 0.2 | 0.2 | 0 | 0 | MAY 19 2003 | |
| 2003-Jan-30 | 0:50 | 23 | 8.39 | 0.0 | 0.2 | 0.2 | 0 | 0 | | |
| 2003-Jan-30 | 0:50 | 261 | 8.39 | 0.0 | 0.2 | 0.2 | 0 | 0 | | |
| 2003-Jan-30 | 0:51 | 256 | 8.38 | 0.0 | 0.2 | 0.2 | 0 | 0 | CONSERVATION DIVISION WICHITA, KS | |
| 2003-Jan-30 | 0:52 | 247 | 8.38 | 0.0 | 0.2 | 0.2 | 0 | 0 | | |
| 2003-Jan-30 | 0:52 | 247 | 8.38 | 5.7 | 2.1 | 2.1 | 0 | 0 | | |
| 2003-Jan-30 | 0:53 | 256 | 8.96 | 5.7 | 3.9 | 3.9 | 0 | 0 | | |
| 2003-Jan-30 | 0:53 | | | | | | | | Reset Total, Vol = 3.94 bbl | |
| 2003-Jan-30 | 0:53 | 261 | 9.58 | 5.7 | 0.6 | 0.6 | 0 | 0 | Start Mixing Lead Slurry | |
| 2003-Jan-30 | 0:53 | 270 | 10.07 | 5.7 | 1.0 | 1.0 | 0 | 0 | KCC | |
| 2003-Jan-30 | 0:53 | 284 | 11.56 | 5.7 | 4.0 | 4.0 | 0 | 0 | | |
| 2003-Jan-30 | 0:54 | 288 | 11.36 | 5.7 | 6.8 | 6.8 | 0 | 0 | MAY 16 2003 | |
| 2003-Jan-30 | 0:54 | 270 | 11.27 | 5.7 | 9.7 | 9.7 | 0 | 0 | | |
| 2003-Jan-30 | 0:55 | 270 | 11.62 | 5.7 | 12.6 | 12.6 | 0 | 0 | | |
| 2003-Jan-30 | 0:55 | 270 | 11.72 | 5.7 | 15.4 | 15.4 | 0 | 0 | CONFIDENTIAL | |

Confidential

CONFIDENTIAL

ORIGINAL

| Well | | Field | | | Service Date | | Customer | | Job Number |
|------------------|-------------|-------------------|---------|---------|--------------|-----------|----------------------------|---|------------|
| HJV MAHONEY #A-1 | | NA | | | 0330-Jan-30 | | ANADARKO PETROLEUM COMPANY | | 2205641747 |
| Date | Time | Treating Pressure | Density | Rate | Total Vol | Stage Vol | 0 | 0 | Message |
| | 24 hr clock | psi | lb/gal | bbt/min | bbt | bbt | 0 | 0 | |
| 2003-Jan-30 | 0:56 | 261 | 11.31 | 5.7 | 18.3 | 18.3 | 0 | 0 | |
| 2003-Jan-30 | 0:56 | 243 | 10.95 | 5.7 | 21.1 | 21.1 | 0 | 0 | |
| 2003-Jan-30 | 0:57 | 233 | 11.14 | 5.7 | 24.0 | 24.0 | 0 | 0 | |
| 2003-Jan-30 | 0:57 | 233 | 11.21 | 5.7 | 26.8 | 26.8 | 0 | 0 | |
| 2003-Jan-30 | 0:58 | 233 | 11.19 | 5.7 | 29.7 | 29.7 | 0 | 0 | |
| 2003-Jan-30 | 0:58 | 224 | 11.36 | 5.7 | 32.5 | 32.5 | 0 | 0 | |
| 2003-Jan-30 | 0:59 | 224 | 11.32 | 5.7 | 35.4 | 35.4 | 0 | 0 | |
| 2003-Jan-30 | 0:59 | 211 | 11.14 | 5.7 | 38.2 | 38.2 | 0 | 0 | |
| 2003-Jan-30 | 1:00 | 215 | 11.14 | 5.7 | 41.1 | 41.1 | 0 | 0 | |
| 2003-Jan-30 | 1:00 | 211 | 11.32 | 5.7 | 43.9 | 43.9 | 0 | 0 | |
| 2003-Jan-30 | 1:01 | 220 | 12.08 | 5.7 | 46.8 | 46.8 | 0 | 0 | |
| 2003-Jan-30 | 1:01 | 201 | 11.56 | 5.7 | 49.6 | 49.6 | 0 | 0 | |
| 2003-Jan-30 | 1:02 | 201 | 11.76 | 5.7 | 52.5 | 52.5 | 0 | 0 | |
| 2003-Jan-30 | 1:02 | 188 | 11.31 | 5.7 | 55.4 | 55.4 | 0 | 0 | |
| 2003-Jan-30 | 1:03 | 179 | 11.28 | 5.7 | 58.2 | 58.2 | 0 | 0 | |
| 2003-Jan-30 | 1:03 | 179 | 11.57 | 5.7 | 61.1 | 61.1 | 0 | 0 | |
| 2003-Jan-30 | 1:04 | 179 | 11.27 | 5.7 | 63.9 | 63.9 | 0 | 0 | |
| 2003-Jan-30 | 1:04 | 174 | 11.08 | 5.7 | 66.8 | 66.8 | 0 | 0 | |
| 2003-Jan-30 | 1:05 | 174 | 11.24 | 5.7 | 69.7 | 69.7 | 0 | 0 | |
| 2003-Jan-30 | 1:05 | 174 | 11.47 | 5.7 | 72.6 | 72.6 | 0 | 0 | |
| 2003-Jan-30 | 1:06 | 174 | 11.50 | 5.7 | 75.4 | 75.4 | 0 | 0 | |
| 2003-Jan-30 | 1:06 | 174 | 11.39 | 5.7 | 78.3 | 78.3 | 0 | 0 | |
| 2003-Jan-30 | 1:07 | 174 | 11.27 | 5.7 | 81.1 | 81.1 | 0 | 0 | |
| 2003-Jan-30 | 1:07 | 169 | 11.10 | 5.7 | 84.0 | 84.0 | 0 | 0 | |
| 2003-Jan-30 | 1:08 | 151 | 11.00 | 5.7 | 86.8 | 86.8 | 0 | 0 | |
| 2003-Jan-30 | 1:08 | 169 | 11.41 | 5.7 | 89.7 | 89.7 | 0 | 0 | |
| 2003-Jan-30 | 1:09 | 169 | 10.96 | 5.7 | 92.5 | 92.5 | 0 | 0 | |
| 2003-Jan-30 | 1:09 | 160 | 10.86 | 5.7 | 95.4 | 95.4 | 0 | 0 | |
| 2003-Jan-30 | 1:10 | 160 | 11.06 | 5.7 | 98.3 | 98.3 | 0 | 0 | |
| 2003-Jan-30 | 1:10 | 156 | 11.05 | 5.7 | 101.1 | 101.1 | 0 | 0 | |
| 2003-Jan-30 | 1:11 | 165 | 11.24 | 5.7 | 104.0 | 104.0 | 0 | 0 | |
| 2003-Jan-30 | 1:11 | 151 | 11.30 | 5.7 | 106.8 | 106.8 | 0 | 0 | |
| 2003-Jan-30 | 1:12 | 146 | 11.24 | 5.7 | 109.7 | 109.7 | 0 | 0 | |
| 2003-Jan-30 | 1:12 | 160 | 11.21 | 5.7 | 112.5 | 112.5 | 0 | 0 | |
| 2003-Jan-30 | 1:13 | 151 | 11.18 | 5.7 | 115.4 | 115.4 | 0 | 0 | |
| 2003-Jan-30 | 1:13 | 142 | 10.64 | 5.7 | 118.2 | 118.2 | 0 | 0 | |
| 2003-Jan-30 | 1:14 | 183 | 11.65 | 5.7 | 121.1 | 121.1 | 0 | 0 | |
| 2003-Jan-30 | 1:14 | 169 | 11.42 | 5.7 | 123.9 | 123.9 | 0 | 0 | |
| 2003-Jan-30 | 1:15 | 174 | 12.00 | 5.7 | 126.8 | 126.8 | 0 | 0 | |
| 2003-Jan-30 | 1:15 | 165 | 11.92 | 5.7 | 129.6 | 129.6 | 0 | 0 | |
| 2003-Jan-30 | 1:16 | 220 | 11.66 | 5.7 | 132.5 | 132.5 | 0 | 0 | |
| 2003-Jan-30 | 1:16 | 165 | 11.38 | 5.7 | 135.4 | 135.4 | 0 | 0 | |
| 2003-Jan-30 | 1:17 | 156 | 11.17 | 5.7 | 138.3 | 138.3 | 0 | 0 | |
| 2003-Jan-30 | 1:17 | 156 | 11.15 | 5.7 | 141.1 | 141.1 | 0 | 0 | |
| 2003-Jan-30 | 1:18 | 160 | 11.29 | 5.7 | 144.0 | 144.0 | 0 | 0 | |
| 2003-Jan-30 | 1:18 | 73 | 11.38 | 5.7 | 146.9 | 146.9 | 0 | 0 | |
| 2003-Jan-30 | 1:19 | 156 | 11.35 | 5.7 | 149.7 | 149.7 | 0 | 0 | |
| 2003-Jan-30 | 1:19 | 156 | 11.31 | 5.7 | 152.6 | 152.6 | 0 | 0 | |
| 2003-Jan-30 | 1:20 | 192 | 11.35 | 5.7 | 155.4 | 155.4 | 0 | 0 | |
| 2003-Jan-30 | 1:20 | 165 | 11.40 | 5.7 | 158.3 | 158.3 | 0 | 0 | |
| 2003-Jan-30 | 1:21 | 174 | 11.47 | 5.7 | 161.1 | 161.1 | 0 | 0 | |
| 2003-Jan-30 | 1:21 | 160 | 11.32 | 5.7 | 164.0 | 164.0 | 0 | 0 | |
| 2003-Jan-30 | 1:22 | 160 | 11.31 | 5.7 | 166.8 | 166.8 | 0 | 0 | |
| 2003-Jan-30 | 1:22 | 151 | 11.32 | 5.7 | 169.7 | 169.7 | 0 | 0 | |

KCC

MAY 16 2003

CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 19 2003

CONSERVATION DIVISION
WICHITA, KS

Release

JUL 16 2004

From

Confidential

| -Well | | Field | | Service Date | | Customer | | Job Number | |
|------------------|-------------|-------------------|---------|--------------|-----------|----------------------------|---|------------|---|
| HJV MAHONEY #A-1 | | NA | | 0330-Jan-30 | | ANADARKO PETROLEUM COMPANY | | 2205541747 | |
| Date | Time | Treating Pressure | Density | Rate | Total Vol | Stage Vol | 0 | 0 | Message |
| | 24 hr clock | psi | lb/gal | bbl/min | bbl | bbl | 0 | 0 | KCC |
| 2003-Jan-30 | 1:23 | 169 | 11.27 | 5.7 | 172.5 | 172.5 | 0 | 0 | |
| 2003-Jan-30 | 1:23 | 156 | 11.31 | 5.7 | 175.4 | 175.4 | 0 | 0 | MAY 16 2003 |
| 2003-Jan-30 | 1:24 | 160 | 11.39 | 5.7 | 178.2 | 178.2 | 0 | 0 | |
| 2003-Jan-30 | 1:24 | 151 | 11.35 | 5.7 | 181.1 | 181.1 | 0 | 0 | CONFIDENTIAL |
| 2003-Jan-30 | 1:25 | 151 | 11.26 | 5.7 | 183.9 | 183.9 | 0 | 0 | |
| 2003-Jan-30 | 1:25 | 156 | 11.31 | 5.7 | 186.8 | 186.8 | 0 | 0 | |
| 2003-Jan-30 | 1:26 | 160 | 11.44 | 5.7 | 189.7 | 189.7 | 0 | 0 | |
| 2003-Jan-30 | 1:26 | 160 | 11.28 | 5.7 | 192.5 | 192.5 | 0 | 0 | |
| 2003-Jan-30 | 1:27 | 156 | 11.24 | 5.7 | 195.4 | 195.4 | 0 | 0 | Release |
| 2003-Jan-30 | 1:27 | 165 | 11.24 | 5.7 | 198.2 | 198.2 | 0 | 0 | |
| 2003-Jan-30 | 1:28 | 114 | 11.41 | 5.7 | 201.1 | 201.1 | 0 | 0 | JUL 06 2004 |
| 2003-Jan-30 | 1:28 | 151 | 11.51 | 5.7 | 204.0 | 204.0 | 0 | 0 | From |
| 2003-Jan-30 | 1:29 | 165 | 11.32 | 5.7 | 206.9 | 206.9 | 0 | 0 | Confidential |
| 2003-Jan-30 | 1:29 | 165 | 11.42 | 5.7 | 209.7 | 209.7 | 0 | 0 | |
| 2003-Jan-30 | 1:30 | 146 | 11.48 | 5.7 | 212.6 | 212.6 | 0 | 0 | |
| 2003-Jan-30 | 1:30 | 146 | 11.02 | 5.7 | 215.4 | 215.4 | 0 | 0 | |
| 2003-Jan-30 | 1:31 | 160 | 11.01 | 5.7 | 218.3 | 218.3 | 0 | 0 | |
| 2003-Jan-30 | 1:31 | 169 | 11.08 | 5.7 | 221.1 | 221.1 | 0 | 0 | |
| 2003-Jan-30 | 1:32 | 160 | 11.04 | 5.7 | 224.0 | 224.0 | 0 | 0 | |
| 2003-Jan-30 | 1:32 | 165 | 11.01 | 5.8 | 226.8 | 226.8 | 0 | 0 | |
| 2003-Jan-30 | 1:33 | 174 | 10.92 | 5.7 | 229.7 | 229.7 | 0 | 0 | |
| 2003-Jan-30 | 1:33 | 165 | 10.64 | 5.7 | 232.5 | 232.5 | 0 | 0 | |
| 2003-Jan-30 | 1:34 | 197 | 13.14 | 5.7 | 235.4 | 235.4 | 0 | 0 | |
| 2003-Jan-30 | 1:34 | 192 | 13.76 | 4.1 | 237.8 | 237.8 | 0 | 0 | |
| 2003-Jan-30 | 1:35 | 261 | 15.09 | 5.7 | 240.5 | 240.5 | 0 | 0 | |
| 2003-Jan-30 | 1:35 | | | | | | | | Reset Total, Vol = 230 bbl |
| 2003-Jan-30 | 1:35 | 256 | 15.05 | 5.7 | 240.6 | 0.1 | 0 | 0 | |
| 2003-Jan-30 | 1:35 | 252 | 15.01 | 5.7 | 240.7 | 0.2 | 0 | 0 | |
| 2003-Jan-30 | 1:35 | | | | | | | | Start Mixing Tail Slurry |
| 2003-Jan-30 | 1:35 | 146 | 14.18 | 3.9 | 243.3 | 2.8 | 0 | 0 | |
| 2003-Jan-30 | 1:36 | 174 | 15.81 | 3.9 | 245.2 | 4.7 | 0 | 0 | |
| 2003-Jan-30 | 1:36 | 169 | 15.33 | 3.9 | 247.2 | 6.7 | 0 | 0 | |
| 2003-Jan-30 | 1:37 | 137 | 14.62 | 3.9 | 249.1 | 8.6 | 0 | 0 | |
| 2003-Jan-30 | 1:37 | 137 | 15.04 | 3.9 | 251.1 | 10.6 | 0 | 0 | |
| 2003-Jan-30 | 1:38 | 128 | 14.45 | 3.9 | 253.0 | 12.5 | 0 | 0 | |
| 2003-Jan-30 | 1:38 | 224 | 14.85 | 5.7 | 255.9 | 15.4 | 0 | 0 | |
| 2003-Jan-30 | 1:39 | 18 | 14.91 | 0.0 | 256.8 | 16.3 | 0 | 0 | |
| 2003-Jan-30 | 1:39 | | | | | | | | Reset Total, Vol = 25 bbl |
| 2003-Jan-30 | 1:39 | 14 | 14.91 | 0.0 | 0.0 | 0.0 | 0 | 0 | |
| 2003-Jan-30 | 1:39 | | | | | | | | Drop Top Plug |
| 2003-Jan-30 | 1:39 | | | | | | | | Start Displacement |
| 2003-Jan-30 | 1:39 | 9 | 14.91 | 0.0 | 0.0 | 0.0 | 0 | 0 | |
| 2003-Jan-30 | 1:39 | 5 | 14.91 | 0.0 | 0.0 | 0.0 | 0 | 0 | |
| 2003-Jan-30 | 1:40 | 0 | 10.53 | 0.0 | 0.0 | 0.0 | 0 | 0 | |
| 2003-Jan-30 | 1:40 | -5 | 10.44 | 0.0 | 0.0 | 0.0 | 0 | 0 | |
| 2003-Jan-30 | 1:41 | -5 | 10.45 | 0.0 | 0.0 | 0.0 | 0 | 0 | |
| 2003-Jan-30 | 1:41 | 188 | 10.44 | 3.9 | 0.7 | 0.7 | 0 | 0 | RECEIVED KANSAS CORPORATION COMMISSION |
| 2003-Jan-30 | 1:42 | 124 | 8.94 | 3.9 | 2.6 | 2.6 | 0 | 0 | MAY 19 2003 |
| 2003-Jan-30 | 1:42 | 110 | 8.55 | 4.1 | 4.6 | 4.6 | 0 | 0 | |
| 2003-Jan-30 | 1:43 | 192 | 8.38 | 6.0 | 7.5 | 7.5 | 0 | 0 | CONSERVATION DIVISION WICHITA, KS |
| 2003-Jan-30 | 1:43 | 183 | 8.38 | 6.2 | 10.6 | 10.6 | 0 | 0 | |
| 2003-Jan-30 | 1:44 | 197 | 8.38 | 6.2 | 13.7 | 13.7 | 0 | 0 | |
| 2003-Jan-30 | 1:44 | 206 | 8.38 | 6.4 | 16.9 | 16.9 | 0 | 0 | |
| 2003-Jan-30 | 1:45 | 211 | 8.35 | 6.3 | 20.0 | 20.0 | 0 | 0 | |

| Well | | Field | | Service Date | | Customer | | Job Number | |
|------------------|-------------|-------------------|---------|--------------|-----------|----------------------------|---|------------|-------------------------------|
| HJV MAHONEY #A-1 | | NA | | 0330-Jan-30 | | ANADARKO PETROLEUM COMPANY | | 2205541747 | |
| Date | Time | Treating Pressure | Density | Rate | Total Vol | Stage Vol | 0 | 0 | Message |
| | 24 hr clock | psi | lb/gal | bbl/min | bbl | bbl | 0 | 0 | KCC |
| 2003-Jan-30 | 1:45 | 220 | 8.37 | 6.4 | 23.2 | 23.2 | 0 | 0 | |
| 2003-Jan-30 | 1:46 | 243 | 8.38 | 6.5 | 26.4 | 26.4 | 0 | 0 | MAY 16 2003 |
| 2003-Jan-30 | 1:46 | 243 | 8.38 | 6.4 | 29.7 | 29.7 | 0 | 0 | |
| 2003-Jan-30 | 1:47 | 247 | 8.38 | 6.4 | 32.9 | 32.9 | 0 | 0 | CONFIDENTIAL |
| 2003-Jan-30 | 1:47 | 243 | 8.41 | 6.5 | 36.1 | 36.1 | 0 | 0 | |
| 2003-Jan-30 | 1:48 | 270 | 8.41 | 6.3 | 39.3 | 39.3 | 0 | 0 | |
| 2003-Jan-30 | 1:48 | 275 | 8.39 | 6.4 | 42.6 | 42.6 | 0 | 0 | |
| 2003-Jan-30 | 1:49 | 270 | 7.41 | 6.5 | 45.9 | 45.9 | 0 | 0 | |
| 2003-Jan-30 | 1:49 | 307 | 7.77 | 6.6 | 49.2 | 49.2 | 0 | 0 | |
| 2003-Jan-30 | 1:50 | 302 | 7.06 | 6.3 | 52.5 | 52.5 | 0 | 0 | Release |
| 2003-Jan-30 | 1:50 | 311 | 0.01 | 6.7 | 55.8 | 55.8 | 0 | 0 | JUL 16 2004 |
| 2003-Jan-30 | 1:51 | 316 | 0.01 | 6.7 | 59.2 | 59.2 | 0 | 0 | From |
| 2003-Jan-30 | 1:51 | 270 | 0.01 | 5.6 | 62.6 | 62.6 | 0 | 0 | Confidential |
| 2003-Jan-30 | 1:52 | 206 | -0.00 | 3.9 | 65.1 | 65.1 | 0 | 0 | |
| 2003-Jan-30 | 1:52 | 211 | -0.00 | 3.8 | 67.1 | 67.1 | 0 | 0 | |
| 2003-Jan-30 | 1:53 | 215 | -0.00 | 3.8 | 69.0 | 69.0 | 0 | 0 | |
| 2003-Jan-30 | 1:53 | 224 | -0.00 | 3.8 | 70.9 | 70.9 | 0 | 0 | |
| 2003-Jan-30 | 1:54 | 238 | -0.00 | 3.8 | 72.8 | 72.8 | 0 | 0 | |
| 2003-Jan-30 | 1:54 | 243 | -0.01 | 3.8 | 74.7 | 74.7 | 0 | 0 | |
| 2003-Jan-30 | 1:55 | 256 | -0.00 | 3.8 | 76.6 | 76.6 | 0 | 0 | RECEIVED |
| 2003-Jan-30 | 1:55 | 270 | -0.00 | 3.8 | 78.6 | 78.6 | 0 | 0 | KANSAS CORPORATION COMMISSION |
| 2003-Jan-30 | 1:56 | 293 | -0.00 | 3.9 | 80.5 | 80.5 | 0 | 0 | |
| 2003-Jan-30 | 1:56 | 307 | -0.00 | 3.8 | 82.4 | 82.4 | 0 | 0 | |
| 2003-Jan-30 | 1:57 | 320 | -0.00 | 3.9 | 84.3 | 84.3 | 0 | 0 | |
| 2003-Jan-30 | 1:57 | 330 | -0.00 | 3.8 | 86.2 | 86.2 | 0 | 0 | |
| 2003-Jan-30 | 1:58 | 348 | -0.01 | 3.8 | 88.1 | 88.1 | 0 | 0 | |
| 2003-Jan-30 | 1:58 | 362 | -0.00 | 3.9 | 90.1 | 90.1 | 0 | 0 | |
| 2003-Jan-30 | 1:59 | 2019 | -0.00 | 0.0 | 91.5 | 91.5 | 0 | 0 | |
| 2003-Jan-30 | 1:59 | 2014 | -0.00 | 0.0 | 91.5 | 91.5 | 0 | 0 | |
| 2003-Jan-30 | 2:00 | 2010 | -0.00 | 0.0 | 91.5 | 91.5 | 0 | 0 | |
| 2003-Jan-30 | 2:00 | | | | | | | | Reset Total, Vol = 111 bbl |
| 2003-Jan-30 | 2:00 | 2010 | -0.00 | 0.0 | 0.0 | 0.0 | 0 | 0 | |
| 2003-Jan-30 | 2:00 | 1749 | -0.00 | 0.0 | 0.0 | 0.0 | 0 | 0 | |
| 2003-Jan-30 | 2:01 | 911 | -0.00 | 0.0 | 0.0 | 0.0 | 0 | 0 | |
| 2003-Jan-30 | 2:01 | 14 | -0.01 | 0.0 | 0.0 | 0.0 | 0 | 0 | |
| 2003-Jan-30 | 2:02 | 5 | -0.00 | 0.0 | 0.0 | 0.0 | 0 | 0 | |
| 2003-Jan-30 | 2:02 | | | | | | | | Bump Top Plug |
| 2003-Jan-30 | 2:02 | | | | | | | | Float Holding |
| 2003-Jan-30 | 2:02 | 5 | -0.01 | 0.0 | 0.0 | 0.0 | 0 | 0 | |

Post Job Summary

| | | | | | | | |
|---------------------------------------|------------------------|---------|-------------------------|-------------------------------|---|---------|---|
| Average Pump Rates, bpm | | | | Volume of Fluid Injected, bbl | | | |
| Slurry | N2 | Mud | Maximum Rate | Total Slurry | Mud | Spacer | N2 |
| 5 | | | 8 | 246 | | 10 | |
| Treating Pressure Summary, psi | | | | Breakdown Fluid | | | |
| Maximum | Final | Average | Bump Plug to | Breakdown | Volume | Density | |
| 2000 | 390 | 180 | | | FreshWater | bbl | 8.34 lb/gal |
| Avg. N2 Percent | Designed Slurry Volume | | Displacement | Mix Water Temp | <input type="checkbox"/> Cement Circulated to Surface? Volume bbl <input type="checkbox"/> Washed Thru Perfs To ft | | |
| % | 246 bbl | | 111.5 bbl | °F | | | |
| Customer or Authorized Representative | | | Schlumberger Supervisor | | | | |
| Parks, Kenny | | | Ousley, John | | | | <input type="checkbox"/> Circulation Lost <input type="checkbox"/> Job Completed |

| Customer ANADARKO LAND & EXPLORATION | | | | | | Job Number 2205541759 | | | | | |
|--|-------|---|--|---|------------------------|--|----------------------------------|---------------------------------------|---|-----------------------------|--|
| Well HJV MAHONEY A-1 | | | Location (legal) SEC.2-34S-37W | | | Schlumberger Location Perryton, TX | | | Job Start 2003-Feb-08 | | |
| Field NA | | Formation Name/Type | | | Deviation | | Bit Size 7.88 in | Well MD 6,820 ft | Well TVD 6,820 ft | | |
| County Stevens | | State/Province KANSAS | | | BHP 2000 psi | BHST 140 °F | BHCT 135 °F | Pore Press. Gradient psi/ft | | | |
| Well Master: 0630470850 | | API / UWI: | | | Casing/Liner | | | | | | |
| Rig Name | | Drilled For Oil & Gas | | Service Via | | Depth, ft 6832 | Size, in 5.5 | Weight, lb/ft 15.5 | Grade K55 | Thread 8RD | |
| Offshore Zone | | Well Class New | | Well Type Development | | Tubing/Drill Pipe | | | | | |
| Drilling Fluid Type | | Max. Density 9.3 lb/gal | | Plastic Vt: cp | | Depth, | Size, in | Weight, lb/ft | Grade | Thread | |
| Service Line Cementing | | Job Type Cem Prod Casing | | | | Perforations/Open Hole | | | | | |
| Max. Allowed Tubing Pressure 2000 psi | | Max. Allowed Ann. Pressure psi | | WellHead Connection 5 1/2" HS&M | | Top, ft | Bottom, ft | spf | No. of Shots | Total Interval ft | |
| Service Instructions CEM 5 1/2 IN PROD CASING: LEAD: 25 SKS 50:50 POZ H +ADDS TAIL: 115 SKS 50:50 POZ H +ADDS CMT RAT/MOUSE: 25 SKS 50/50 POZ + ADDS DISPLACEMENT: 4%KCL | | | | | | Treat Down Casing | Displacement 161.8 bbl | Packer Type None | Packer Depth 0 ft | Diameter in | |
| Casing/Tubing Secured <input checked="" type="checkbox"/> | | 1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/> | | | | Casing Tools | | Squeeze Job | | | |
| Lift Pressure: 500 psi | | Pipe Rotated <input type="checkbox"/> | | Pipe Reciprocated <input checked="" type="checkbox"/> | | Shoe Type: Other | | Squeeze Type | | | |
| No. Centralizers: 12 | | Top Plugs: 1 | | Bottom Plugs: 0 | | Shoe Depth: 6832 ft | | Tool Type: | | | |
| Cement Head Type: Single | | Stage Tool Type: | | Tool Depth: ft | | Stage Tool Depth: ft | | Tail Pipe Size: in | | | |
| Job Scheduled For: 2/8/2003 6:30 | | Arrived on Location: 2003-Feb-08 6:30 | | Leave Location: 2003-Feb-08 | | Collar Type: Other | | Tail Pipe Depth: ft | | | |
| Collar Depth: 6797 ft | | Sqz Total Vol: bbl | | | | Tubing Vol. bbl | Casing Vol. 162.6 bbl | Annular Vol. bbl | OpenHole Vol bbl | | |
| Date | Time | Pressure psi | Density lb/gal | Rate bbl/min | Volume bbl | 0 | 0 | 0 | Message | | |
| 2003-Feb-08 | 14:14 | 4 | 8.32 | 0.0 | 0.0 | 0 | 0 | 0 | KCC | | |
| 2003-Feb-08 | 14:15 | 5 | 8.32 | 0.0 | 0.0 | 0 | 0 | 0 | MAY 16 2003 | | |
| 2003-Feb-08 | 14:15 | 4 | 8.31 | 0.0 | 0.0 | 0 | 0 | 0 | CONFIDENTIAL | | |
| 2003-Feb-08 | 14:16 | 5 | 8.31 | 0.0 | 0.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:16 | 0 | 8.31 | 0.0 | 0.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:17 | 4 | 10.61 | 0.0 | 0.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:18 | 5 | 11.68 | 0.0 | 0.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:18 | 5 | 13.94 | 0.0 | 0.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:19 | 5 | 13.90 | 0.0 | 0.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:19 | | | | | | | | Pump Rathole | | |
| 2003-Feb-08 | 14:19 | 96 | 13.91 | 0.0 | 0.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:19 | 87 | 13.91 | 4.0 | 1.4 | 0 | 0 | 0 | RECEIVED KANSAS CORPORATION COMMISSION | | |
| 2003-Feb-08 | 14:20 | -5 | 8.78 | 0.0 | 1.0 | 0 | 0 | 0 | MAY 19 2003 | | |
| 2003-Feb-08 | 14:20 | 4 | 8.75 | 0.0 | 1.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:21 | 6 | 8.76 | 0.0 | 1.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:21 | 5 | 8.76 | 0.0 | 1.0 | 0 | 0 | 0 | CONSERVATION DIVISION WICHITA, KS | | |
| 2003-Feb-08 | 14:22 | 87 | 13.19 | 2.6 | 1.2 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:22 | 102 | 10.51 | 4.4 | 3.4 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:23 | 5 | 8.50 | 0.0 | 3.9 | 0 | 0 | 0 | Pump Mousehole | | |
| 2003-Feb-08 | 14:23 | 0 | 8.50 | 0.0 | 3.9 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:23 | 4 | 8.50 | 0.0 | 3.9 | 0 | 0 | 0 | | | |

| Well | | Field | | | | Service Date | | Customer | | Job Number | |
|------------------|-------------|----------|---------|---------|--------|--------------|---|-----------------------------|-------------------------------|------------|--|
| HJV MAHONEY #A-1 | | NA | | | | 0339-Feb-08 | | ANADARKO LAND & EXPLORATION | | 2205541759 | |
| Date | Time | Pressure | Density | Rate | Volume | 0 | 0 | 0 | Message | | |
| | 24 hr clock | psi | lb/gal | bbt/min | bbt | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:24 | 3 | 8.50 | 0.0 | 3.9 | 0 | 0 | 0 | KCC | | |
| 2003-Feb-08 | 14:24 | 4 | 8.50 | 0.0 | 3.9 | 0 | 0 | 0 | MAY 16 2003 | | |
| 2003-Feb-08 | 14:25 | 5 | 8.51 | 0.0 | 3.9 | 0 | 0 | 0 | CONFIDENTIAL | | |
| 2003-Feb-08 | 14:26 | 0 | 9.36 | 0.0 | 3.9 | 0 | 0 | 0 | Release | | |
| 2003-Feb-08 | 14:26 | 5 | 9.08 | 0.0 | 3.9 | 0 | 0 | 0 | JUL 16 2004 | | |
| 2003-Feb-08 | 14:27 | 5 | 9.02 | 0.0 | 3.9 | 0 | 0 | 0 | From | | |
| 2003-Feb-08 | 14:27 | 5 | 9.01 | 0.0 | 3.9 | 0 | 0 | 0 | Confidential | | |
| 2003-Feb-08 | 14:28 | 5 | 9.00 | 0.0 | 3.9 | 0 | 0 | 0 | Pressure Test Lines | | |
| 2003-Feb-08 | 14:29 | 5 | 8.99 | 0.0 | 3.9 | 0 | 0 | 0 | Start Scavenger | | |
| 2003-Feb-08 | 14:29 | 5 | 8.98 | 0.0 | 0.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:30 | 151 | 8.98 | 0.0 | 0.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:30 | 2679 | 8.79 | 0.0 | 0.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:31 | 2585 | 9.02 | 0.0 | 0.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:31 | 14 | 9.05 | 0.0 | 0.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:32 | 16 | 9.05 | 0.0 | 0.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:32 | 15 | 9.06 | 0.0 | 0.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:32 | | | | | | | | | | |
| 2003-Feb-08 | 14:32 | 82 | 9.06 | 1.8 | 0.1 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:33 | 183 | 9.03 | 4.5 | 1.7 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:33 | 167 | 8.58 | 4.6 | 4.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:34 | 157 | 8.55 | 4.6 | 6.3 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:34 | 153 | 8.50 | 4.6 | 8.6 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:35 | | | | | | | | | | |
| 2003-Feb-08 | 14:35 | 145 | 8.80 | 4.6 | 0.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:35 | 150 | 9.57 | 4.6 | 0.5 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:35 | 158 | 9.79 | 4.6 | 2.8 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:36 | 150 | 9.83 | 4.6 | 5.1 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:36 | 143 | 9.41 | 4.6 | 7.4 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:37 | 135 | 9.24 | 4.6 | 9.7 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:37 | 141 | 10.26 | 4.6 | 12.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:38 | 156 | 10.98 | 4.7 | 14.3 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:38 | 174 | 10.20 | 4.6 | 16.7 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:39 | 140 | 10.15 | 4.7 | 19.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:39 | 96 | 11.88 | 4.7 | 21.3 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:40 | 165 | 11.27 | 4.7 | 23.7 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:40 | | | | | | | | Start Tail Slurry | | |
| 2003-Feb-08 | 14:40 | 37 | 12.47 | 4.7 | 25.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:40 | 37 | 12.69 | 4.7 | 1.1 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:41 | 164 | 12.69 | 4.7 | 3.4 | 0 | 0 | 0 | RECEIVED | | |
| 2003-Feb-08 | 14:41 | 144 | 12.69 | 4.7 | 5.8 | 0 | 0 | 0 | KANSAS CORPORATION COMMISSION | | |
| 2003-Feb-08 | 14:42 | 154 | 12.69 | 4.7 | 8.1 | 0 | 0 | 0 | MAY 19 2003 | | |
| 2003-Feb-08 | 14:42 | 78 | 12.69 | 4.7 | 10.4 | 0 | 0 | 0 | CONSERVATION DIVISION | | |
| 2003-Feb-08 | 14:43 | 163 | 12.72 | 4.7 | 12.8 | 0 | 0 | 0 | WICHITA, KS | | |
| 2003-Feb-08 | 14:43 | 174 | 15.30 | 4.7 | 15.1 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:44 | 169 | 14.97 | 4.7 | 17.5 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:44 | 159 | 14.44 | 4.7 | 19.8 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:45 | 156 | 14.41 | 4.7 | 22.2 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:45 | | | | | | | | Wash Pump and Lines | | |
| 2003-Feb-08 | 14:45 | -5 | 14.39 | 0.0 | 22.8 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:45 | -4 | 12.59 | 0.0 | 0.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:46 | 0 | 11.03 | 0.0 | 0.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:46 | 0 | 10.21 | 0.0 | 0.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:47 | 0 | 10.12 | 0.0 | 0.0 | 0 | 0 | 0 | | | |
| 2003-Feb-08 | 14:47 | 0 | 10.05 | 0.0 | 0.0 | 0 | 0 | 0 | | | |

CONFIDENTIAL

ORIGINAL

| Well | | Field | | | Service Date | | Customer | | | Job Number |
|------------------|-------------|----------|---------|---------|--------------|---|-----------------------------|---|--|------------|
| HJV MAHONEY #A-1 | | NA | | | 0339-Feb-08 | | ANADARKO LAND & EXPLORATION | | | 2205541759 |
| Date | Time | Pressure | Density | Rate | Volume | 0 | 0 | 0 | Message | |
| | 24 hr clock | psi | lb/gal | bbl/min | bbl | 0 | 0 | 0 | | |
| 2003-Feb-08 | 14:48 | 5 | 9.99 | 0.0 | 0.0 | 0 | 0 | 0 | KCC MAY 16 2003 CONFIDENTIAL | |
| 2003-Feb-08 | 14:48 | 5 | 9.95 | 0.0 | 0.0 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 14:49 | 144 | 9.91 | 3.8 | 1.2 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 14:49 | 123 | 9.58 | 3.8 | 3.1 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 14:50 | 127 | 9.27 | 3.8 | 5.0 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 14:50 | 64 | 8.36 | 3.7 | 6.8 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 14:51 | 63 | 8.20 | 3.8 | 8.7 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 14:51 | -18 | 8.18 | 0.0 | 9.9 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 14:52 | -5 | 8.28 | 0.0 | 9.9 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 14:52 | 0 | 8.30 | 0.0 | 9.9 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 14:52 | | | | | | | | Drop Top Plug | |
| 2003-Feb-08 | 14:52 | 0 | 8.30 | 0.0 | 0.0 | 0 | 0 | 0 | Start Displacement | |
| 2003-Feb-08 | 14:52 | | | | | | | | | |
| 2003-Feb-08 | 14:53 | 5 | 8.30 | 0.0 | 0.0 | 0 | 0 | 0 | Release JUL 16 2004 From Confidential | |
| 2003-Feb-08 | 14:53 | 0 | 8.30 | 0.0 | 0.0 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 14:53 | 55 | 8.31 | 0.3 | 0.0 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 14:54 | 65 | 8.31 | 6.0 | 2.5 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 14:54 | 74 | 8.31 | 6.0 | 5.5 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 14:55 | 46 | 8.31 | 6.1 | 8.6 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 14:55 | 66 | 8.31 | 6.1 | 11.6 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 14:56 | 68 | 8.31 | 6.1 | 14.7 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 14:56 | 67 | 8.31 | 6.1 | 17.7 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 14:57 | 70 | 8.30 | 6.2 | 20.8 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 14:57 | 67 | 8.30 | 6.2 | 23.9 | 0 | 0 | 0 | RECEIVED KANSAS CORPORATION COMMISSION MAY 19 2003 CONSERVATION DIVISION WICHITA, KS | |
| 2003-Feb-08 | 14:58 | 46 | 8.30 | 6.2 | 27.0 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 14:58 | 72 | 8.30 | 6.2 | 30.1 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 14:59 | 55 | 8.30 | 6.2 | 33.2 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 14:59 | 76 | 8.30 | 6.2 | 36.3 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:00 | 77 | 8.30 | 6.2 | 39.4 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:00 | 55 | 8.30 | 6.3 | 42.5 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:01 | 83 | 8.30 | 6.3 | 45.6 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:01 | 75 | 8.30 | 6.2 | 48.7 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:02 | 68 | 8.30 | 6.3 | 51.9 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:02 | 93 | 8.30 | 6.3 | 55.0 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:03 | 93 | 8.30 | 6.3 | 58.2 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:03 | 110 | 8.30 | 6.2 | 61.4 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:04 | 104 | 8.30 | 6.3 | 64.5 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:04 | 27 | 8.30 | 6.6 | 67.7 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:05 | 159 | 8.30 | 6.6 | 71.0 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:05 | 87 | 8.30 | 6.1 | 74.2 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:06 | 82 | 8.30 | 6.2 | 77.3 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:06 | 150 | 8.30 | 6.2 | 80.4 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:07 | 158 | 8.30 | 6.1 | 83.4 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:07 | 151 | 8.30 | 6.0 | 86.5 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:08 | 154 | 8.30 | 6.1 | 89.5 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:08 | 157 | 8.30 | 6.1 | 92.5 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:09 | 162 | 8.30 | 6.0 | 95.5 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:09 | 175 | 8.30 | 6.0 | 98.5 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:10 | 189 | 8.30 | 6.0 | 101.5 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:10 | 183 | 8.30 | 5.9 | 104.5 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:11 | 179 | 8.30 | 5.9 | 107.5 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:11 | 181 | 8.30 | 6.0 | 110.5 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:12 | 182 | 8.30 | 5.9 | 113.4 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:12 | 195 | 8.30 | 6.0 | 116.4 | 0 | 0 | 0 | | |

| Well | | Field | | | Service Data | | Customer | | | Job Number |
|------------------|-------------|----------|---------|---------|--------------|---|-----------------------------|---|-------------------------------|------------|
| HJV MAHONEY #A-1 | | NA | | | 0339-Feb-08 | | ANADARKO LAND & EXPLORATION | | | 2205541759 |
| Date | Time | Pressure | Density | Rate | Volume | 0 | 0 | 0 | Message | |
| | 24 hr clock | psi | lb/gal | bbl/min | bbl | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:13 | 199 | 8.30 | 5.9 | 119.4 | 0 | 0 | 0 | KCC | |
| 2003-Feb-08 | 15:13 | 203 | 8.30 | 5.9 | 122.3 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:14 | 210 | 8.30 | 6.0 | 125.3 | 0 | 0 | 0 | MAY 16 2003 | |
| 2003-Feb-08 | 15:14 | 238 | 8.30 | 5.9 | 128.4 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:15 | 254 | 8.30 | 5.9 | 131.3 | 0 | 0 | 0 | CONFIDENTIAL | |
| 2003-Feb-08 | 15:15 | 269 | 8.30 | 5.9 | 134.3 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:16 | 309 | 8.30 | 5.8 | 137.2 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:16 | 350 | 8.30 | 5.6 | 140.0 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:17 | 400 | 8.30 | 5.7 | 142.8 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:17 | 411 | 8.30 | 5.0 | 145.5 | 0 | 0 | 0 | Release | |
| 2003-Feb-08 | 15:18 | 444 | 8.30 | 4.9 | 147.9 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:18 | 477 | 8.30 | 4.8 | 150.4 | 0 | 0 | 0 | JUL 16 2004 | |
| 2003-Feb-08 | 15:19 | 530 | 8.30 | 4.7 | 152.7 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:19 | 475 | 8.30 | 2.6 | 154.6 | 0 | 0 | 0 | From Confidential | |
| 2003-Feb-08 | 15:20 | 464 | 8.30 | 2.3 | 155.7 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:20 | 486 | 8.30 | 2.3 | 156.9 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:21 | 504 | 8.30 | 2.2 | 158.0 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:21 | 523 | 8.30 | 2.2 | 159.2 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:22 | 1333 | 8.30 | 0.0 | 159.9 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:22 | 1363 | 8.30 | 0.2 | 159.9 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:23 | 2036 | 8.31 | 0.2 | 160.4 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:23 | 2232 | 8.31 | 0.0 | 160.4 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:24 | 2226 | 8.31 | 0.0 | 160.4 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:24 | 2225 | 8.30 | 0.0 | 160.4 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:25 | 1907 | 8.30 | 0.0 | 160.4 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:26 | 499 | 8.30 | 0.0 | 160.4 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:26 | 5 | 8.30 | 0.0 | 160.4 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:26 | | | | | | | | Reset Total, Vol = 160.42 bbl | |
| 2003-Feb-08 | 15:26 | 0 | 8.30 | 0.0 | 0.0 | 0 | 0 | 0 | | |
| 2003-Feb-08 | 15:26 | | | | | | | | Bumped Plug | |
| 2003-Feb-08 | 15:26 | | | | | | | | Floats Holding | |
| 2003-Feb-08 | 15:26 | 5 | 8.30 | 0.0 | 0.0 | 0 | 0 | 0 | | |

Post Job Summary

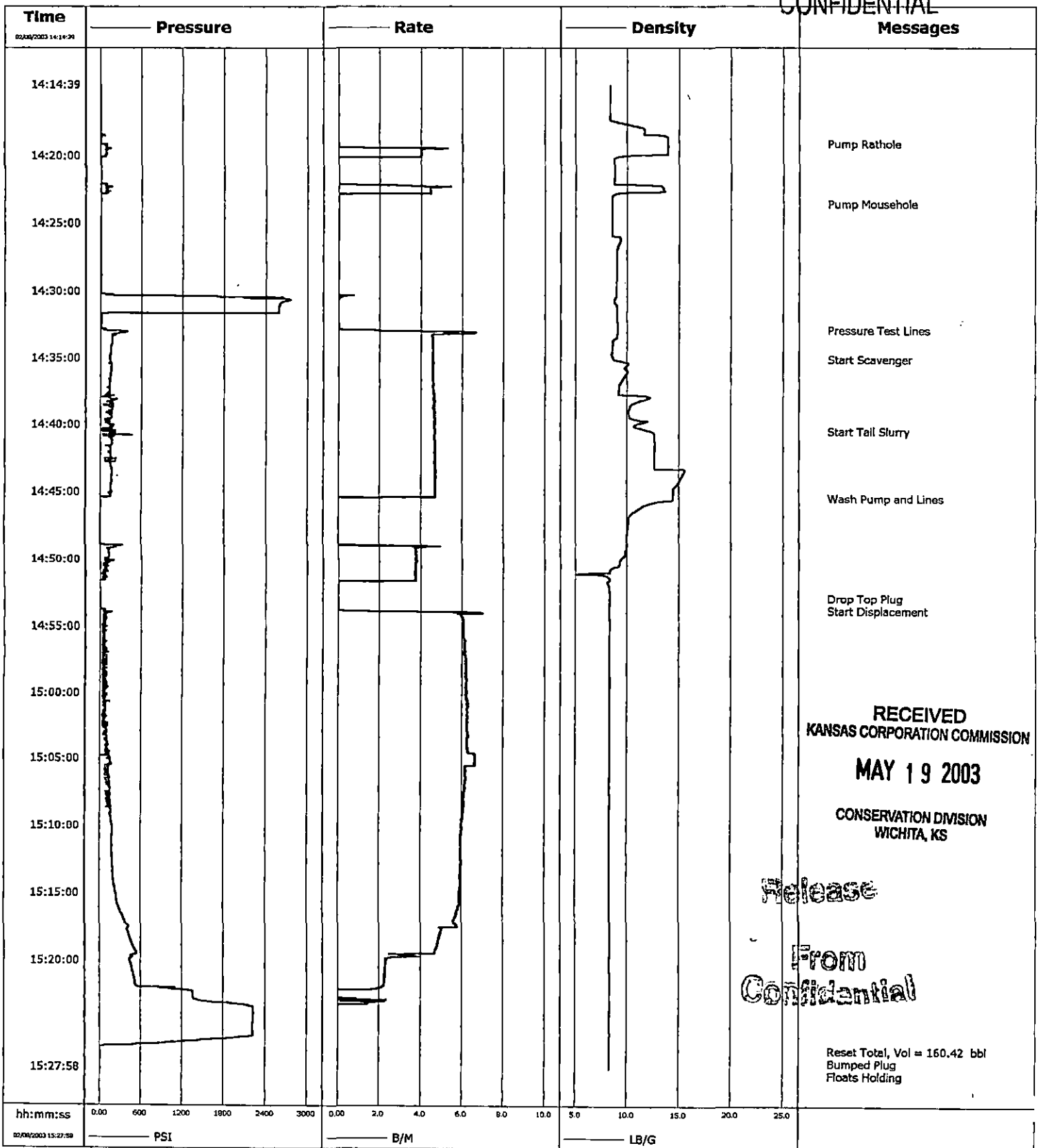
| | | | | | | | |
|---------------------------------------|-------|------------------------|-------------------------|-------------------------------|--|-------------|---|
| Average Pump Rates, bpm | | | | Volume of Fluid Injected, bbl | | | |
| Slurry | N2 | Mud | Maximum Rate | Total Slurry | Mud | Spacer | N2 |
| 4 | | | 7 | 55 | | 5 | |
| Treating Pressure Summary, psi | | | | Breakdown Fluid | | | |
| Maximum | Final | Average | Bump Plug to Breakdown | Volume | | Density | |
| 2230 | 500 | 200 | 1100 | 3% KCl | | 8.47 lb/gal | |
| Avg. N2 Percent | | Designed Slurry Volume | Displacement | Mix Water Temp | Coment Circulated to Surface? | | Volume |
| % | | 55 bbl | 162 bbl | °F | <input type="checkbox"/> Washed Thru Perfs | | To ft |
| Customer or Authorized Representative | | | Schlumberger Supervisor | | <input type="checkbox"/> Circulation Lost | | <input checked="" type="checkbox"/> Job Completed |
| Parks, Kenny | | | Ousley, John | | | | |

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 19 2003

CONSERVATION DIVISION
WICHITA, KS

| | | | | |
|-----------------|---------------------|-----------------|------------|---------------------------|
| Well | HJV Mahoney A 1 | Client | Anadarko | KCC MAY 16 2003 |
| Field | CONFIDENTIAL | SIR No. | 2205541759 | |
| Engineer | John Ousley | Job Type | Longstring | |
| Country | United States | Job Date | 02-08-2003 | |



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MAY 19 2003
CONSERVATION DIVISION
WICHITA, KS

Release
 From
 Confidential

Reset Total, Vol = 160.42 bbl
 Bumped Plug
 Floats Holding

Schlumberger

CONFIDENTIAL

Dowell a Division of Schlumberger Technology Corporation
 702 E. Bnlihart St
 Perryton, TX 79070
 Tel (806) 435-5436
 Fax (806) 435-4484

KCC

ORIGINAL

MAY 16 2003**INVOICE**

CONFIDENTIAL

COPY

| | | | | | | | |
|---|--|-----------------|--|--|------------------|------------------------|------------|
| Service Date | 02/13/2003 | Job Number | 2205541776 | Invoice Date | 02/17/2003 | Invoice | 9090975800 |
| Bill To: | | | | Remit To: | | | |
| ANADARKO PETROLEUM CORPORATION ATTN 1707 W. 2ND LIBERAL KS 67901 | | | | Dowell a Division of Schlumberger Technology Corporation PO Box 201556 Houston TX 77216-1556 | | | |
| | | | | Tax Registration Number: 22-1692661 We can invoice you EDI. Call (281) 285 4230 for more information. | | | |
| Terms | | | | Service Description | | | |
| 30 Days Net | | | | DW Cementing-Case, Cement Prod | | | |
| Customer PO | | Contract | | AFE | | Price Reference | |
| | | | | | | Dowell US | |
| Well | | | State | County/Parish/Block | | Legal Location | |
| HJV MAHONEY 'A' 1 | | | KS | Stevens | | SEC 2 T 34S R 37W | |
| Field | | | Customer or Authorized Representative | | | Rig | |
| NOT REPORT | | | Parks, Kenny | | | MURFIN 21 | |
| Item | Description | Quantity | List Price | Disc | Net Price | Net Amount | |
| 49100000 | Service Chg Cement Mat Land All DW Fur | 260 000 CF | 2 29 | -69 000 % | 0 7099 | 184 57 | |
| 49102000 | Transportation Cement Ton Mile | 332 000 MI | 1 69 | -69 000 % | 0 5239 | 173 93 | |
| 59200002 | Mileage, All Other Equipment | 60 000 MI | 4 53 | -69 000 % | 1 4043 | 84 26 | |
| 59697004 | PRISM | 1 000 JOB | 885 00 | -69 000 % | 274 3500 | 274 35 | |
| 102872040 | Liner/Sqz/Plug 3501-4000' 1st 4hr | 1 000 EA | 2,840 00 | -69 000 % | 818 4000 | 818 40 | |
| Sub-Total Services | | | | | | 1,535.51 | |
| D020 | Bentonite Extender D20 | 410 000 LB | 0 26 | -69 000 % | 0 0806 | 33 05 | |
| D029 | Cellophane Flakes D29 | 58 000 LB | 2 61 | -69 000 % | 0 8091 | 46 93 | |
| D044 | Salt, Granulated D44 | 1,170 000 LB | 0 20 | -69 000 % | 0 0620 | 72 54 | |
| D046 | Antifoam Agent, All Purpose D46 | 41 000 LB | 5 04 | -69 000 % | 1 5624 | 64 06 | |
| D065 | Dispersant, TIC D65 | 47 000 LB | 7 76 | -69 000 % | 2 4056 | 113 06 | |
| D132 | Extender, Cement D132 | 118 000 CF | 6 65 | -69 000 % | 2 0615 | 243 26 | |
| D809 | Cement, Class H D809 | 118 000 CF | 15 50 | -69 000 % | 4 8050 | 566 99 | |
| Sub-Total Products | | | | | | 1,139.89 | |
| Total before tax | | | | | | 2,675.40 | |
| Tax, USState/CanGST 5.300 % | | | | | | 81.39 | |
| Total Amount Due on or Before 03/19/2003 PAYABLE IN USD FUNDS | | | | | | 2,756.79 | |

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MAY 19 2003
 CONSERVATION DIVISION
 WICHITA, KS

V# 5722
 VO# 04-AP-1459
 # of pages 3
 Approver ID # AYU400
Steve Powell, 03/25/03
 ColNameSub ID - 202 - 1503

Release
 From
 Confidential

FEB 19 2003
 LOCATE AID: 27595
ID# 11096

Please reference invoice number 9090975800 on payment

Thank-you for calling Dowell

CONFIDENTIAL

Service Contract Receipt

ORIGINAL
Schlumberger

873093

SCHLUMBERGER TECHNOLOGY CORPORATION

Job Number
2206541776

KCC

MAY 16 2003

Invoice Mailing Address:
 ANADARKO PETROLEUM CORPORATION
 ATTN:
 1707 W. 2ND
 LIBERAL, KS
 US

CONFIDENTIAL
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 KANSAS CORPORATION COMMISSION

MAY 19 2003

CONSERVATION DIVISION
 WICHITA, KS

| | | | | |
|------------------|------|-----------|------|-------------|
| LEFT-DISTRICT | Date | 2/13/2003 | Time | 11:30:00 AM |
| ARRIVE LOCATION | Date | 2/13/2003 | Time | 12:15:00 PM |
| JOB START | Date | 2/13/2003 | Time | 12:50:00 PM |
| JOB COMPLETION | Date | 2/13/2003 | Time | 2:02:00 PM |
| LEAVE LOCATION | Date | 2/13/2003 | Time | |
| ARRIVED DISTRICT | Date | 2/13/2003 | Time | |

Service Instructions
 CEMENT PRODUCTION PORT COLLAR WITH:
 25 SKS 50/50 POZ + ADDS (SCAVENGER)
 210 SKS 50/50 POZ + 2% D20 + 10% D44 + 0.2% D46 + 0.25 PPS
 D29 + 0.2% D65

Service Description
 Cementing - Cem Prod Casing

| | | | |
|-----------------|---------------------------------------|---------------------|----------------|
| Customer PO | Contract | AFE | Rig |
| Well | State/Province | County/Parish/Block | Legal Location |
| HJV MAHONEY A-1 | KANSAS | ROBERTS | SEC.2-34S-37W |
| Field | Customer or Authorized Representative | | |
| NA | Parke, Kenny | | |

THE ESTIMATED CHARGES AND DATA SHOWN BELOW ARE SUBJECT TO CORRECTION BY SCHLUMBERGER.

| Item | Description | Quantity | Unit | Unit Price | Amount |
|------------------------|--|----------|------|------------|----------|
| Services | | | | | |
| 102872040 | Liner/Sqz/Plug 35D1-4000' 1st 4hr | 1 | EA | 3,010.00 | 3,010.00 |
| 49100000 | Service Chg Cement Mat Land All DW Fur | 260 | CF | 2.29 | 595.40 |
| 49102000 | Transportation Cement Ton Mile | 332 | MI | 1.69 | 561.08 |
| 59200002 | Mileage, All Other Equipment | 60 | MI | 4.53 | 271.80 |
| 59697004 | PRISM | 1 | JOB | 885.00 | 885.00 |
| Services Subtotal: | | | | | 5,323.28 |
| Discount: | | | | | 3,873.08 |
| Special Discount: | | | | | 0.00 |
| Estimated Total (USD): | | | | | 1,650.22 |

| | | | | | |
|------------------------|---------------------------------|------|----|-------|----------|
| Products | | | | | |
| D020 | Bentonite Extender D20 | 410 | LB | 0.26 | 106.60 |
| D029 | Cellophane Flakes D29 | 68 | LB | 2.98 | 172.84 |
| D044 | Salt, Granulated D44 | 1170 | LB | 0.20 | 234.00 |
| D046 | Antifoam Agent, All Purpose D46 | 41 | LB | 5.04 | 206.64 |
| D065 | Dispersant, TIC D65 | 47 | LB | 8.85 | 415.95 |
| D132 | Extender, Cement D132 | 118 | CF | 6.65 | 784.70 |
| D909 | Cement, Class H D909 | 118 | CF | 15.50 | 1,829.00 |
| Products Subtotal: | | | | | 3,749.73 |
| Discount: | | | | | 2,687.31 |
| Special Discount: | | | | | 0.00 |
| Estimated Total (USD): | | | | | 1,192.42 |

| | | | |
|--------------------------|----------|------------------------|----------|
| Total (Before Discount): | 9,073.01 | | |
| Discount: | 6,280.38 | | |
| Special Discount: | 0.00 | Estimated Total (USD): | 2,812.63 |

Release
 JUL 16 2004
 From
 Confidential

CONFIDENTIAL

Service Contract Receipt

ORIGINAL
Schlumberger

SCHLUMBERGER TECHNOLOGY CORPORATION

Job Number
2205541776

Invoice Mailing Address:
 ANADARKO PETROLEUM CORPORATION
 ATTN:
 1707 W 2ND
 LIBERAL, KS
 US

KCC
 MAY 16 2003
 CONFIDENTIAL

| | | | | |
|------------------|------|-----------|------|-------------|
| LEFT DISTRICT | Date | 2/13/2003 | Time | 11:30:00 AM |
| ARRIVE LOCATION | Date | 2/13/2003 | Time | 12:15:00 PM |
| JOB START | Date | 2/13/2003 | Time | 12:50:00 PM |
| JOB COMPLETION | Date | 2/13/2003 | Time | 2:02:00 PM |
| LEAVE LOCATION | Date | 2/13/2003 | Time | |
| ARRIVED DISTRICT | Date | 2/13/2003 | Time | |

Service Instructions
 CEMENT PRODUCTION PORT COLLAR WITH:
 25 SKS 50/50 POZ + ADDS (SCAVENGER)
 210 SKS 50/50 POZ + 2% D20 + 10% D44 + 0.2% D46 + 0.25 PPS
 D29 + 0.2% D65

Service Description
 Cementing - Cem Prod Casing

| | | | |
|-----------------|---------------------------------------|---------------------|----------------|
| Customer PO | Contract | AFE | Rig |
| Well | State/Province | County/Parish/Block | Legal Location |
| HJV MAHONEY A-1 | KANSAS | ROBERTS | SEC.2-34S-37W |
| Field | Customer or Authorized Representative | | |
| NA | Parks, Kenny | | |

THE ESTIMATED CHARGES AND DATA SHOWN BELOW ARE SUBJECT TO CORRECTION BY SCHLUMBERGER.

| Item | Description | Quantity | Unit | Unit Price | Amount |
|------|-------------|----------|------|------------|--------|
|------|-------------|----------|------|------------|--------|

THE ESTIMATED CHARGES AND DATA SHOWN ABOVE ARE SUBJECT TO CORRECTION BY SCHLUMBERGER.
 THE SERVICES, EQUIPMENT, MATERIALS AND/OR PRODUCTS PROVIDED BY THIS SERVICE CONTRACT RECEIPT HAVE BEEN
 PERFORMED OR RECEIVED AS SET FORTH ABOVE.

Signature of Customer or Authorized Representative: *Kenny Parks* Date: 2-13-03
 Parks, Kenny

Signature of Schlumberger Representative: *John Ousley* Date: 2/13/03
 Ousley, John

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KANSAS CORPORATION COMMISSION

MAY 19 2003

CONSERVATION DIVISION
WICHITA, KS

Release
From
Confidential

PRPA 010301

5-16-04

ANADARKO PETROLEUM CORPORATION

PHONE 806-457-4600 • 701 S. TAYLOR ST. • SUITE 400 • AMARILLO, TEXAS 79101



CONFIDENTIAL

May 16, 2003

Release
JUL 16 2004
From
Confidential

Kansas Corporation Commission
Conservation Division
Wichita State Office Building
130 South Market, RM 2078
Wichita, Kansas 67202

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 19 2003

CONSERVATION DIVISION
WICHITA, KS

KCC
MAY 16 2003
CONFIDENTIAL

Attn: Sharon Ahtone

Re: HJV Mahoney "A" No. 1
Section 2-34S-37W
Stevens County, Kansas

Dear Ms. Ahtone:

Attached in triplicate is the Affidavit of Completion (ACO-1 Well History), a set of well logs and cementing tickets for the above referenced well.

It is requested that this information remain confidential for a period of one year.

If you have any questions, please advise.

Very truly yours,

L. Marc Harvey
Engineering Technician III
LMH

Enclosures

cc: AWF
WI Owners
JTC