

15-175-21824-0000

RELEASED

CONFIDENTIAL

ORIGINAL

JUL 12 2002

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

KCC Form ACO-1
September 1999
Form Must Be Typed

JUN 20 2001

WELL COMPLETION FORM

FROM CONFIDENTIAL WELL HISTORY - DESCRIPTION OF WELL & LEASE

CONFIDENTIAL

Operator: License # 6120
Name: Cabot Oil & Gas Corporation
Address: 600-17th Street, Suite 900 North
City/State/Zip: Denver, CO 80202
Purchaser: WNG
Operator Contact Person: Linda Wilkins
Phone: (303) 226-9428
Contractor: Name: Val Energy Inc.
License: 5822
Wellsite Geologist: Wildcat Well Logging, Larry Looper

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, 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./SWD
 Plug Back _____ Plug Back Total Depth _____
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Enhr.?) _____ Docket No. _____

3/8/01 3/12/01 3/27/01
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15-175-21824-0000
County: Seward
SE SE NW NW Sec. 5 Twp. 33 S. R. 33 East West
4030 feet from (S) XXX (circle one) Line of Section
4030 feet from (E) XXX (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW

Lease Name: Bryant Well #: 10-5
Field Name: Hugoton

Producing Formation: Chase Group
Elevation: Ground: 2841 Kelly Bushing: 2847
Total Depth: 2825 Plug Back Total Depth: 2768
Amount of Surface Pipe Set and Cemented at 766.87 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from N/A
feet depth to _____ w/ _____ sx cm.

Drilling Fluid Management Plan ALT 1 8/21/02
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume 2000 bbls
Dewatering method used Evaporation and dry out

Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

CONSERVATION DIVISION

RECEIVED
KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
JUN 20 2001

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Linda O. Wilkins
Title: Operations Engineering Analyst Date: 6/20/01
Subscribed and sworn to before me this 19 day of June
2001
Notary Public: Mary D. Folvag
Date Commission Expires: 11/7/2002

MARY D. FOLVAG
NOTARY PUBLIC
STATE OF COLORADO
My Commission Expires 11/07/2002

KCC Office Use ONLY
 Letter of Confidentiality Attached
 If Denied, Yes Date: _____
 Wireline Log Received
 MUD LOG
 Geologist Report Received
 UIC Distribution

✓

X

ORIGINAL

CONFIDENTIAL
Side Two

Operator Name: Cabot Oil & Gas Corporation Lease Name: Bryant Well #: 10-5
Sec. 5 Twp. 33 S. R. 33 East West County: Seward

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

| | | | | |
|--|---|---|----------------------------------|---------------------------------|
| Drill Stem Tests Taken (Attach Additional Sheets) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input checked="" type="checkbox"/> Log | Formation (Top), Depth and Datum | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Name | Top | Datum |
| Cores Taken | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Herrington | 2560 | KB |
| Electric Log Run (Submit Copy) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | U. Krider | 2584 | |
| | | L. Krider | 2616 | |
| | | Winfield | 2671 | |
| | | Ft. Riley | 2725 | |
| List All E. Logs Run: | | | | |
| Platform Express Microlog Gamma Ray | <input checked="" type="checkbox"/> | | | |
| Platform Express Array Induction Linear Correlation/GR | <input checked="" type="checkbox"/> | | | |
| Platform Express Compensated Neutron Lithodensity/GR | <input checked="" type="checkbox"/> | | | |

| 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 | # Sacs Used | Type and Percent Additives |
| Surface | 12-1/4" | 8-5/8" | 24#, J-55 | 766.87 | 35:65 Poz C | 170 | 6% gel + 2% salt + 1/4#/sk Celloflake |
| | | | | | 35:65 Poz C | 150 | 2% salt + 1/4#/sk Celloflake |
| Production | 7-7/8" | 4-1/2" | 10.5#, J-55 | 2809 | 35:65 Poz C | 270 | 6% gel + 1/4#/sk Celloflake |
| | | | | | 50:50 Poz C | 180 | 10% salt + 2% gel + 1/4#/sk Celloflake |

| 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 |
|----------------|---|---|-------|
| 2 SPF | 2561-2564 | Total Job: 10,710 gals 15% HCL + 1,806 gals 2% KCL water | |
| 2 SPF | 2623-2644 | | |
| 2 SPF | 2671-2692 | | |

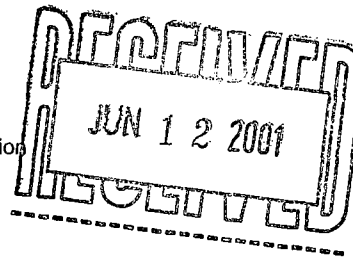
| | | | | | | |
|--|-----------|---------|---|---------------|-----------|---|
| TUBING RECORD | | Size | Set At | Packer At | Liner Run | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| | | 2-1/16" | 2537.57 | None | | |
| Date of First, Resumerd Production, SWD or Enhr. | | | Producing Method | | | |
| 4/20/01 | | | <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) | | | |
| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity | |
| | 0 | 160 | 0 | | | |

Disposition of Gas METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
 (If vented, Sumit ACO-18.) Other (Specify) _____

Schlumberger

ORIGINAL



KCC

Dowell a Division of Schlumberger Technology Corporation
 204 S Missouri
 Ulysses, KS 67880
 Tel: 316 356 1272
 Fax: 316 356 1911

INVOICE

JUN 20 2001

CONFIDENTIAL

COPY

~~CONFIDENTIAL~~

| | | | | | | | |
|--------------|------------|------------|----------|--------------|------------|---------|------------|
| Service Date | 03/09/2001 | Job Number | 20206491 | Invoice Date | 03/15/2001 | Invoice | 9090611858 |
|--------------|------------|------------|----------|--------------|------------|---------|------------|

| | |
|--|---|
| Bill To: CABOT OIL & GAS PRODUCTION CORP DOMINION PLAZA 600 - 17TH STREET, SUITE 900 NORTH DENVER CO 80202 RELEASED JUL 12 2002 | Remit To: 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 | 30 Days Net | Service Description | DW Cementing-Case,Cement Surface |
|-------|-------------|---------------------|----------------------------------|

| | | | | |
|-------------|----------|-----|-----------------|-----------|
| Customer PO | Contract | AFE | Price Reference | Dowell US |
|-------------|----------|-----|-----------------|-----------|

| | | | | | | | |
|------|-------------|-------|----|---------------------|--------|----------------|-------------------|
| Well | BRYANT 10-5 | State | KS | County/Parish/Block | Seward | Legal Location | SEC:5 T:33S R:33W |
|------|-------------|-------|----|---------------------|--------|----------------|-------------------|

| | | | | | |
|-------|---------|---------------------------------------|-----------------|-----|--|
| Field | HUGOTON | Customer or Authorized Representative | Jim Pendergrass | Rlg | |
|-------|---------|---------------------------------------|-----------------|-----|--|

| Item | Description | Quantity | List Price | Disc | Net Price | Net Amount |
|--|---|--------------|------------|-----------|------------|-----------------|
| 48019000 | Cement Bulk Unit hrs On Location | 4.000 HR | 100.00 | -32.000 % | 68.0000 | 272.00 |
| 48601000 | Cement Head Rental | 1.000 JOB | 485.00 | -32.000 % | 329.8000 | 329.80 |
| 49100000 | Service Chg Cement Matl Land All DW Fur | 447.000 CF | 2.10 | -32.000 % | 1.4280 | 638.32 |
| 49102000 | Transportation Cement Ton Mile | 1,104.000 MI | 1.55 | -32.000 % | 1.0540 | 1,163.62 |
| 59200002 | Mileage, All Other Equipment | 96.000 MI | 4.15 | -32.000 % | 2.8220 | 270.91 |
| 59697004 | PRISM | 1.000 JOB | 810.00 | -32.000 % | 550.8000 | 550.80 |
| 102871020 | Casing Cmnt 0000-2000' 1st 4hr | 1.000 EA | 1,870.00 | -32.000 % | 1,271.6000 | 1,271.60 |
| Sub-Total Services | | | | | | 4,497.05 |
| 50001085 | Shoe, Reg Pattern Guide 8 5/8 In | 1.000 EA | 366.00 | -32.000 % | 248.8800 | 248.88 |
| 56011085 | Centralizer, Regular | 5.000 EA | 117.00 | -32.000 % | 79.5600 | 397.80 |
| 56702085 | Plug, Cementing 8 5/8 In Top Plastic | 1.000 EA | 156.00 | -32.000 % | 106.0800 | 106.08 |
| 102946000 | Fuel Surcharge | 1.000 EA | 99.20 | | 99.2000 | 99.20 |
| D020 | Bentonite Extender D20 | 905.000 LB | 0.23 | -32.000 % | 0.1564 | 141.54 |
| D130 | Polyester Flake D130 | 44.000 LB | 3.93 | -32.000 % | 2.6724 | 117.59 |
| D132 | Extender, Cement D132 | 59.000 CF | 5.97 | -32.000 % | 4.0596 | 239.52 |
| D903 | Cement, Class C D903 | 303.000 CF | 14.55 | -32.000 % | 9.8940 | 2,997.88 |
| S001 | Calcium Chloride 77% S1 | 584.000 LB | 0.59 | -32.000 % | 0.4012 | 234.30 |
| Sub-Total Products | | | | | | 4,582.79 |
| Total before tax | | | | | | 9,079.84 |
| Tax, USState/CanGST 4.900 % | | | | | | 276.68 |
| Tax, US City 1.000 % | | | | | | 56.49 |
| Total Amount Due on or Before 04/14/2001 PAYABLE IN USD FUNDS | | | | | | 9,413.01 |

Please reference invoice number 9090611858 on payment.

Thank-you for calling Dowell

565432
9090611858

Schlumberger Technology Corporation
204 S Missouri
Ulysses, KS

ORIGINAL

KCC

JUN 20 2001

CONFIDENTIAL

Job Number
20206491

Invoice Mailing Address:
CABOT OIL & GAS PRODUCTION CORP

CONFIDENTIAL

600 - 17TH STREET, SUITE 900 NORTH
DENVER, CO
US

RELEASED

JUL 12 2002

FROM CONFIDENTIAL

| | | | | |
|-----------------|------|--------|------|-------------|
| ARRIVE LOCATION | Date | 3/8/01 | Time | 11:59:00 PM |
| JOB START | Date | 3/9/01 | Time | 3:00:00 AM |
| JOB COMPLETION | Date | 3/9/01 | Time | 7:00:00 AM |
| LEAVE LOCATION | Date | 3/9/01 | Time | 8:00:00 AM |

Service Instructions

Cement 8 5/8" surface with 170 sks 35:65 POZ:Class C for a lead and 150 sks Class for tail
Bring 100 sks C with 2% for topout

Service Description

Cementing - Cem Surface Casing

| | | | |
|-------------|---------------------------------------|---------------------|------------------|
| Customer PO | Contract | AFE | Rig |
| 0 | 0 | 0 | Val Energy Rig 1 |
| Well | State/Province | County/Parish/Block | Legal Location |
| Bryant 10-5 | Kansas | Stevens | SEC 5 -T33S-R33W |
| Field | Customer or Authorized Representative | | |
| Hugoton | Jim Pendergrass | | |

| Item | Description | Quantity | Unit | Unit Price | Amount |
|---------------------------|---|----------|------|------------|-----------------|
| Services | | | | | |
| 102871020 | Casing Cmrt 0000-2000' 1st 4hr | 1 | EA | 1,870.00 | 1,870.00 |
| 48019000 | Cement Bulk Unit hrs On Location | 4 | HR | 100.00 | 400.00 |
| 48601000 | Cement Head Rental | 1 | JOB | 485.00 | 485.00 |
| 49100000 | Service Chg Cement Matl Land All DW Fur | 447 | CF | 2.10 | 819.00 |
| 49102000 | Transportation Cement Ton Mile | 1104 | MI | 1.55 | 1,495.75 |
| 59200002 | Mileage, All Other Equipment | 96 | MI | 4.15 | 398.40 |
| 59697004 | PRISM | 1 | JOB | 810.00 | 810.00 |
| Services Subtotal: | | | | | 6,278.15 |

| | | | | | |
|---------------------------|--------------------------------------|-----|----|--------|-----------------|
| Products | | | | | |
| 50001085 | Shoe, Reg Pattern Guide 8 5/8 In | 1 | EA | 366.00 | 366.00 |
| 56011085 | Centralizer, Regular | 5 | EA | 117.00 | 585.00 |
| 56702085 | Plug, Cementing 8 5/8 In Top Plastic | 1 | EA | 156.00 | 156.00 |
| D020 | Bentonite Extender D20 | 905 | LB | 0.23 | 208.15 |
| D130 | Polyester Flake D130 | 44 | LB | 3.93 | 172.92 |
| D132 | Extender, Cement D132 | 59 | CF | 5.97 | 352.23 |
| D903 | Cement, Class C D903 | 503 | CF | 14.55 | 4,423.20 |
| S001 | Calcium Chloride 77% S1 | 584 | LB | 0.59 | 344.56 |
| Products Subtotal: | | | | | 6,608.06 |

| | | | |
|-----------------------------|-----------|------------------------|----------|
| Subtotal (Before Discount): | 12,886.21 | Estimated Total (USD): | 8,762.62 |
| Discount: | 4,123.59 | | |
| Special Discount: | 0.00 | | |

The estimated charges above are subject to correction by Dowell.

| | | |
|--|--|---|
| Service Receipt: I certify that the materials and services listed were received and all services performed in a workmanlike manner | Signature of Customer or Authorized Representative <i>Mark J. Kuhn</i> Jim Pendergrass | Signature of Dowell Representative <i>Jeffrey Dutton</i> Jeffrey Dutton |
|--|--|---|

Thank you for Calling Dowell!

9079.84



Service Authorization

08-Mar-01

Schlumberger Technology Corporation
204 S Missouri
Ulysses, KS

ORIGINAL

KOC
JUN 20 2001

CONFIDENTIAL

Job Number
20206491

Important- See other side for terms and conditions

| | | |
|-----------------|--------|-------------|
| ARRIVE LOCATION | Date | Time |
| | 3/8/01 | 11:59:00 PM |

Service Instructions
 Cement 8 5/8" surface with 170 sks 35:65 POZ:Class C for a lead and 150 sks Class for tail
 Bring 100 sks C with 2% for topout

Service Description
 Cementing - Cem Surface Casing

| | |
|-----|------------------|
| AFE | Rig |
| 0 | Val Energy Rig 1 |

| | |
|---------------------|------------------|
| County/Parish/Block | Legal Location |
| Stevens | SEC 5 -T33S-R33W |

| |
|---------------------------------------|
| Customer or Authorized Representative |
| Jim Pendergrass |

Invoice Mailing Address:
 CABOT OIL & GAS PRODUCTION CORP
 600 - 17TH STREET, SUITE 900 NORTH
 DENVER, CO
 US

CONFIDENTIAL
 RELEASED
 JUL 12 2002
 FROM CONFIDENTIAL

| | |
|-------------|----------|
| Customer PO | Contract |
| 0 | 0 |

| | |
|-------------|----------------|
| Well | State/Province |
| Bryant 10-5 | Kansas |

| |
|---------|
| Field |
| Hugoton |

THIS IS A CONTRACT. PLEASE READ CAREFULLY. IN CONSIDERATION OF THE PRICES AND THE SERVICES, EQUIPMENT AND/OR PRODUCTS PROVIDED TO CUSTOMER HEREUNDER, CUSTOMER AND SCHLUMBERGER AGREE TO BE BOUND BY THE TERMS AND CONDITIONS ATTACHED OR BY THE TERMS AND CONDITIONS OF A MASTER SERVICE AGREEMENT IF ONE IS IN FORCE BETWEEN CUSTOMER AND SCHLUMBERGER. THERE ARE, AMONG OTHER THINGS, INDEMNITY AND HOLD HARMLESS PROVISIONS AND WARRANTY EXCLUSIONS HEREIN.

Comments

| | | |
|---|--|---|
| Service Order: I authorize work to begin as set forth herein and represent that I have authority to accept and sign this order. | Signature of Customer or Authorized Representative <i>Mark J. Kuhn</i> Jim Pendergrass | Signature of Dowell Representative <i>Jeffrey Dutton</i> Jeffrey Dutton |
|---|--|---|

Thank you for Calling Dowell!

Customer: CABOT OIL & GAS PRODUCTION CORP. Job Number: 20206491
~~CONFIDENTIAL~~

| | | | | | | | | | |
|---|--|---|--|--|--|-----------------------------|--|----------------------|--|
| Well: Bryant 10-5 | | Location (legal): SEC 5 -T33S-R33W | | Dowell Location: Ulysses, KS | | Job Start: 3/9/01 | | | |
| Field: Hugoton | | Formation Name/Type: | | Deviation: 0 | | Well MD: 772 ft | | | |
| County: Stevens | | State/Province: Kansas | | BHP: 0 psi | | Well TVD: 772 ft | | | |
| Rig Name: Val Energy Rig 1 | | Drilled For: Oil & Gas | | Service Via: Land | | Casing/Liner | | | |
| Offshore Zone: | | Well Class: New | | Well Type: Development | | Depth, ft: 772 | | | |
| Drilling Fluid Type: Bentonite | | Max. Density: 9 lb/gal | | Plastic Viscosity: 32 cp | | Size, in: 8.63 | | | |
| Service Line: Cementing | | Job Type: Cem Surface Casing | | Weight, lb/ft: 24 | | Grade: 0 | | | |
| Max. Allowed Tubing Pressure: 0 psi | | Max. Allowed Ann. Pressure: 0 psi | | WellHead Connection: 8 5/8" | | Thread: | | | |
| Service Instructions: Cement 8 5/8" surface with 170 sks 35.65 POZ:Class C for a lead and 150 sks Class for tail Bring 100 sks C with 2% for topout | | Perforations/Open Hole | | Tubing/Drill Pipe | | Casing Tools | | | |
| <p style="text-align: center;">RELEASED JUL 12 2002</p> | | Top, ft: 0 | | Bottom, ft: 0 | | spf: 0 | | | |
| | | No. of Shots: 0 | | Total Interval: 0 ft | | Diameter: 0 in | | | |
| | | Treat Down: Casing | | Displacement: 46 bbl | | Packer Type: 0 ft | | Packer Depth: 0 ft | |
| | | Tubing Vol.: 0 bbl | | Casing Vol.: 49 bbl | | Annular Vol.: 57 bbl | | OpenHole Vol.: 0 bbl | |
| Casing/Tubing Secured <input checked="" type="checkbox"/> | | 1 Hole Volume Circulated prior to Cementing | | Casing Tools | | Squeeze Job | | | |
| Lift Pressure: 317 psi | | Pipe Rotated <input type="checkbox"/> | | Pipe Reciprocated <input type="checkbox"/> | | Shoe Type: Other | | | |
| No. Centralizers: 5 | | Top Plugs: 1 | | Bottom Plugs: 0 | | Shoe Depth: 772 ft | | | |
| Cement Head Type: Single | | Job Scheduled For: 3/8/01 23:59 | | Arrived on Location: 3/8/01 23:59 | | Leave Location: 3/9/01 8:00 | | | |
| | | | | | | Collar Type: Auto-Fill | | | |
| | | | | | | Collar Depth: 727 ft | | | |
| | | | | | | Squeeze Type: | | | |
| | | | | | | Tool Type: | | | |
| | | | | | | Stage Tool Type: | | | |
| | | | | | | Stage Tool Depth: 0 ft | | | |
| | | | | | | Tool Depth: 0 ft | | | |
| | | | | | | Tail Pipe Size: 0 in | | | |
| | | | | | | Tail Pipe Depth: 0 ft | | | |
| | | | | | | Sqz Total Vol: 0 bbl | | | |

| Well | | Field | | | | Service Date | Customer | Job Number |
|--------------|--------|---------|----------|-------------|--------|--------------|-------------------------|--------------------------|
| Bryant #10-5 | | Hugoton | | | | | IT OIL & GAS PRODUCTION | 20206491 |
| Time | CumVol | Density | Pressure | TotFlowrate | TotVol | Message | | |
| 24 hr clock | bbl | ppg | psi | bpm | bbl | | | |
| 3:17 | 15.99 | 12.66 | 192.3 | 7.15 | 26.46 | 0 | 0 | |
| 3:17 | 19.23 | 12.3 | 174. | 5.99 | 29.7 | 0 | 0 | |
| 3:18 | 22.62 | 12.55 | 206. | 7.21 | 33.09 | 0 | 0 | CONFIDENTIAL |
| 3:18 | 25.93 | 12.08 | 196.9 | 6.95 | 36.4 | 0 | 0 | |
| 3:19 | 29.56 | 12.07 | 196.9 | 6.35 | 40.03 | 0 | 0 | |
| 3:19 | 33.14 | 12.33 | 187.7 | 7.25 | 43.61 | 0 | 0 | |
| 3:20 | 36.53 | 12.25 | 174. | 7.31 | 47. | 0 | 0 | |
| 3:20 | 39.91 | 12.27 | 164.8 | 6.53 | 50.38 | 0 | 0 | ORIGINAL |
| 3:21 | 43.27 | 12.43 | 178.6 | 7.23 | 53.74 | 0 | 0 | |
| 3:21 | 46.47 | 12.27 | 164.8 | 6.85 | 56.94 | 0 | 0 | |
| 3:22 | 49.85 | 12.15 | 174. | 5.53 | 60.32 | 0 | 0 | |
| 3:22 | 53.12 | 12.52 | 174. | 6.43 | 63.59 | 0 | 0 | |
| 3:23 | 56.14 | 11.52 | 160.3 | 6.65 | 66.61 | 0 | 0 | KCC |
| 3:23 | 59.43 | 10.99 | 137.4 | 5.89 | 69.9 | 0 | 0 | |
| 3:23 | 59.43 | 10.99 | 137.4 | 5.89 | 69.9 | 0 | 0 | End Lead Slurry |
| 3:23 | 59.43 | 10.99 | 137.4 | 5.89 | 69.9 | 0 | 0 | Start Mixing Tail Slurry |
| 3:23 | 59.43 | 10.99 | 137.4 | 5.89 | 69.9 | 0 | 0 | [CumVol]=61.25 bbl |
| 3:23 | 59.43 | 10.99 | 137.4 | 5.89 | 69.9 | 0 | 0 | Reset Volume |
| 3:24 | 1.4 | 11.86 | 146.5 | 5.85 | 73.25 | 0 | 0 | |
| 3:24 | 4.02 | 14.42 | 77.84 | 4.24 | 75.87 | 0 | 0 | |
| 3:25 | 5.8 | 14.23 | 68.68 | 4.02 | 77.65 | 0 | 0 | |
| 3:25 | 7.66 | 14.87 | 68.68 | 3.7 | 79.51 | 0 | 0 | |
| 3:26 | 9.51 | 14.64 | 68.68 | 3.74 | 81.36 | 0 | 0 | RELEASED |
| 3:26 | 11.53 | 15.08 | 109.9 | 5.67 | 83.38 | 0 | 0 | |
| 3:27 | 14.37 | 14.51 | 187.7 | 5.85 | 86.22 | 0 | 0 | JUL 12 2002 |
| 3:27 | 17.29 | 14.9 | 192.3 | 5.79 | 89.14 | 0 | 0 | |
| 3:28 | 20.27 | 14.43 | 183.2 | 5.81 | 92.12 | 0 | 0 | FROM CONFIDENTIAL |
| 3:28 | 23.27 | 14.82 | 183.2 | 5.95 | 95.12 | 0 | 0 | |
| 3:29 | 26.07 | 14.34 | 178.6 | 5.63 | 97.92 | 0 | 0 | |
| 3:29 | 28.99 | 14.74 | 187.7 | 5.81 | 100.8 | 0 | 0 | |
| 3:30 | 31.98 | 14.78 | 187.7 | 7.23 | 103.8 | 0 | 0 | |
| 3:30 | 34.74 | 14.58 | 128.2 | 5.31 | 106.6 | 0 | 0 | |
| 3:31 | 36.26 | 14.94 | 9.16 | 0. | 108.1 | 0 | 0 | |
| 3:31 | 36.26 | 14.94 | 9.16 | 0. | 108.1 | 0 | 0 | Reset Volume |
| 3:31 | 36.26 | 14.94 | 9.16 | 0. | 108.1 | 0 | 0 | [CumVol]=36.26 bbl |
| 3:31 | 36.26 | 14.94 | 9.16 | 0. | 108.1 | 0 | 0 | End Tail Slurry |
| 3:31 | 36.26 | 14.94 | 9.16 | 0. | 108.1 | 0 | 0 | Drop Top Plug |
| 3:31 | 36.26 | 14.94 | 9.16 | 0. | 108.1 | 0 | 0 | Start Displacement |
| 3:31 | 0.028 | 12.89 | 0. | 0.14 | 108.1 | 0 | 0 | |
| 3:32 | 0.161 | 9.69 | -4.58 | 0.02 | 108.3 | 0 | 0 | |
| 3:32 | 0.46 | 9.78 | -4.58 | 0. | 108.6 | 0 | 0 | |
| 3:33 | 2.61 | 8.07 | 45.79 | 4.98 | 110.7 | 0 | 0 | |
| 3:33 | 5.07 | 8.03 | 45.79 | 4.96 | 113.2 | 0 | 0 | |
| 3:34 | 7.54 | 8.03 | 45.79 | 4.96 | 115.7 | 0 | 0 | |
| 3:34 | 10.16 | 8.03 | 45.79 | 4.98 | 118.3 | 0 | 0 | |
| 3:35 | 12.68 | 8.03 | 45.79 | 5.13 | 120.8 | 0 | 0 | |
| 3:35 | 15.36 | 8.01 | 45.79 | 5.35 | 123.5 | 0 | 0 | |
| 3:36 | 17.85 | 9.4 | 45.79 | 4.96 | 126. | 0 | 0 | |
| 3:36 | 20.29 | 9.33 | 50.37 | 4.64 | 128.4 | 0 | 0 | |
| 3:37 | 22.57 | 8.04 | 45.79 | 4.26 | 130.7 | 0 | 0 | |
| 3:37 | 24.71 | 8.02 | 45.79 | 3.62 | 132.8 | 0 | 0 | |
| 3:38 | 26.38 | 8.13 | 45.79 | 2.76 | 134.5 | 0 | 0 | |
| 3:38 | 27.83 | 8.29 | 77.84 | 3.9 | 135.9 | 0 | 0 | |
| 3:39 | 30.16 | 8.29 | 128.2 | 3.96 | 138.3 | 0 | 0 | |

| Well | | Field | | | | Service Date | | Customer | | Job Number |
|--------------|--------|---------|----------|-------------|-------|--------------|---|-------------------------|--|------------|
| Bryant #10-5 | | Hugoton | | | | | | IT OIL & GAS PRODUCTION | | 20206491 |
| Time | CumVol | Density | Pressure | TotFlowrate | ToVol | Message | | | | |
| 24 hr clock | bbbl | ppg | psi | bpm | bbbl | | | | | |
| 3:39 | 32.18 | 8.13 | 137.4 | 4.34 | 140.3 | 0 | 0 | | | |
| 3:40 | 34.07 | 8.01 | 128.2 | 2.98 | 142.2 | 0 | 0 | | | |
| 3:40 | 35.57 | 8.01 | 128.2 | 3.02 | 143.7 | 0 | 0 | | | |
| 3:41 | 37.05 | 8.01 | 132.8 | 2.98 | 145.2 | 0 | 0 | CONFIDENTIAL | | |
| 3:41 | 38.52 | 8.07 | 146.5 | 2.92 | 146.6 | 0 | 0 | | | |
| 3:42 | 39.93 | 8.07 | 141.9 | 2.7 | 148. | 0 | 0 | | | |
| 3:42 | 41.26 | 8.07 | 155.7 | 2.66 | 149.4 | 0 | 0 | | | |
| 3:43 | 42.59 | 8.04 | 155.7 | 2.66 | 150.7 | 0 | 0 | | | |
| 3:43 | 43.92 | 8.01 | 169.4 | 2.68 | 152. | 0 | 0 | | | |
| 3:44 | 45.24 | 8.01 | 169.4 | 2.34 | 153.4 | 0 | 0 | ORIGINAL | | |
| 3:44 | 46.39 | 8.01 | 174. | 2.32 | 154.5 | 0 | 0 | | | |
| 3:45 | 47.53 | 8.01 | 164.8 | 0.579 | 155.6 | 0 | 0 | | | |
| 3:45 | 47.53 | 8.01 | 141.9 | 0. | 155.6 | 0 | 0 | | | |
| 3:46 | 48.06 | 8.01 | 155.7 | 0. | 156.2 | 0 | 0 | KCO | | |
| 3:46 | 48.06 | 8.01 | 151.1 | 0. | 156.2 | 0 | 0 | | | |
| 3:47 | 48.98 | 8.01 | 192.3 | 2.1 | 157.1 | 0 | 0 | JUN 20 2001 | | |
| 3:47 | 49.02 | 8.01 | 151.1 | 0. | 157.1 | 0 | 0 | | | |
| 3:48 | 49.02 | 8.01 | 151.1 | 0. | 157.1 | 0 | 0 | RELEASED | | |
| 3:48 | 49.02 | 8.01 | 151.1 | 0. | 157.1 | 0 | 0 | | | |
| 3:49 | 49.02 | 8.01 | 151.1 | 0. | 157.1 | 0 | 0 | JUL 12 2002 | | |
| 3:49 | 49.02 | 8.01 | 151.1 | 0. | 157.1 | 0 | 0 | | | |
| 3:50 | 49.02 | 8.01 | 151.1 | 0. | 157.1 | 0 | 0 | FROM CONFIDENTIAL | | |
| 3:50 | 49.02 | 8.01 | 151.1 | 0. | 157.1 | 0 | 0 | | | |
| 3:51 | 49.02 | 8.01 | 151.1 | 0. | 157.1 | 0 | 0 | | | |
| 3:51 | 49.02 | 8.01 | 151.1 | 0. | 157.1 | 0 | 0 | | | |
| 3:52 | 49.02 | 8.01 | 151.1 | 0. | 157.1 | 0 | 0 | | | |
| 3:52 | 49.02 | 8.01 | 146.5 | 0. | 157.1 | 0 | 0 | | | |
| 3:53 | 49.02 | 8.01 | 146.5 | 0. | 157.1 | 0 | 0 | | | |
| 3:53 | 49.02 | 8.01 | 146.5 | 0. | 157.1 | 0 | 0 | | | |
| 3:54 | 49.02 | 8.01 | 146.5 | 0. | 157.1 | 0 | 0 | | | |
| 3:54 | 49.02 | 8.01 | 96.15 | 0. | 157.1 | 0 | 0 | | | |
| 3:55 | 49.02 | 8.01 | 4.58 | 0. | 157.1 | 0 | 0 | | | |
| 3:55 | 49.02 | 8.01 | 0. | 0. | 157.1 | 0 | 0 | | | |
| 3:56 | 49.02 | 8.01 | 0. | 0. | 157.1 | 0 | 0 | | | |
| 3:56 | 49.02 | 8.01 | 0. | 0. | 157.1 | 0 | 0 | PAUSE ACQUISITION | | |
| 4:06 | 49.02 | 8.01 | 0. | 0. | 157.1 | 0 | 0 | RESTART AFTER PAUSE | | |
| 4:06 | 49.02 | 8.04 | -4.58 | 1.36 | 157.1 | 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 | 0 | 0 | 8 | 98 | 0 | 10 | 0 |
| Treating Pressure Summary, psi | | | | Breakdown Fluid | | | |
| Maximum | Final | Average | Bump Plug to | Breakdown | Type | Volume | Density |
| 200 | 150 | 100 | 0 | 0 | | 0 bbl | 0 lb/gal |
| Avg. N2 Percent | Designed Slurry Volume | Displacement | Mix Water Temp | <input checked="" type="checkbox"/> Cement Circulated to Surface? Volume | | 5 bbl | |
| 0 % | 119 bbl | 47 bbl | 60 °F | <input type="checkbox"/> Washed Thru Perfs To | | 0 ft | |
| Customer or Authorized Representative | | | Dowell Supervisor | | <input type="checkbox"/> Circulation Lost | | |
| Jim Pendergrass | | | Jeffrey Dutton | | <input checked="" type="checkbox"/> Job Completed | | |

CONFIDENTIAL

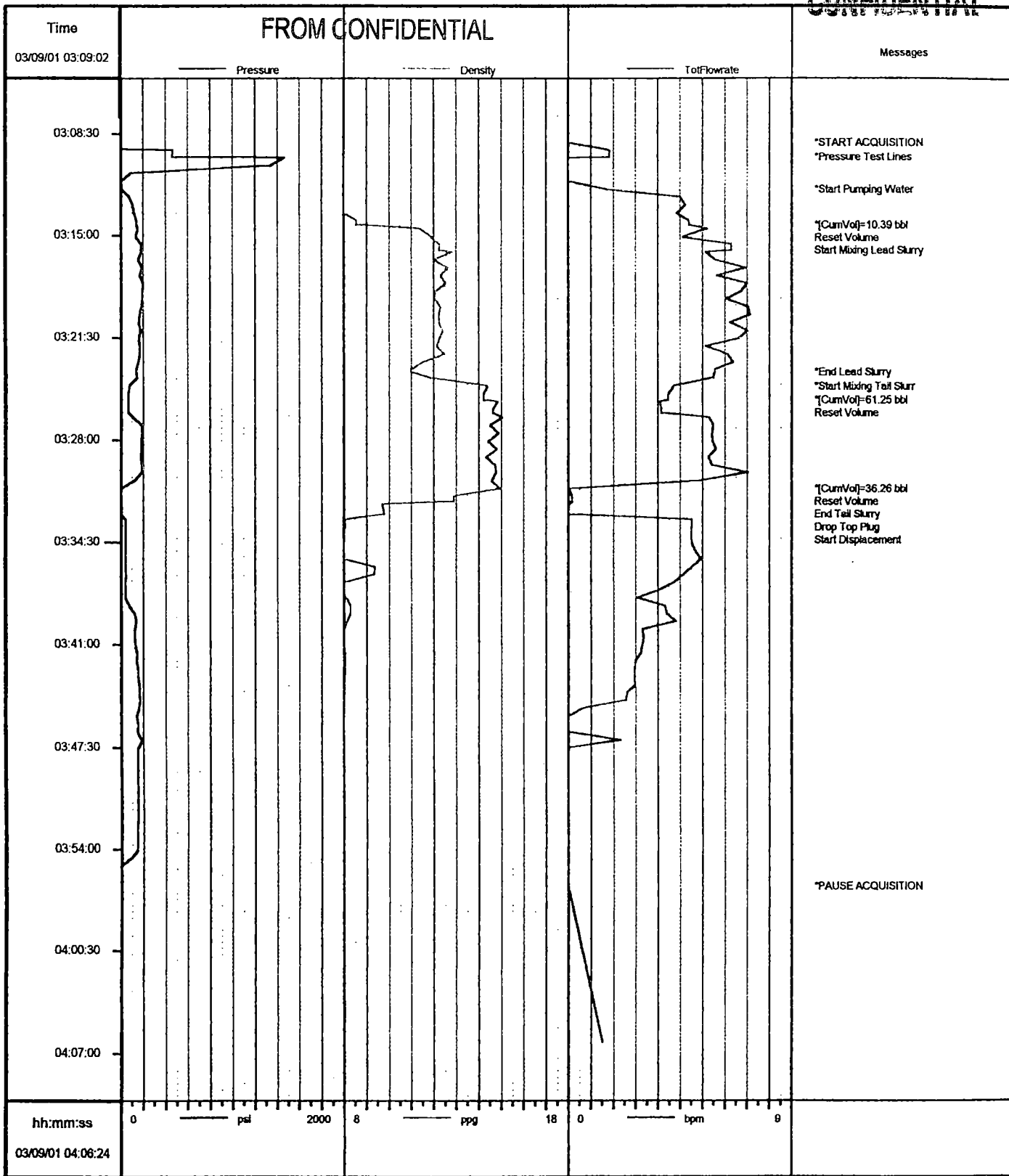
Cementing Job Report

ORIGINAL

PRISM V2.23

| | | | | | |
|---------|-------------|--------------------------------|----------|---------------------|---------------------------|
| Well | Bryant 10-3 | RELEASED JUL 12 2002 | Client | Cabot | KCC JUN 20 2001 |
| Field | Hugoton | | SIR No. | 20206491 | |
| Country | USA | | Job Date | 3/9/2001 3:09:02 AM | |

CONFIDENTIAL



Job: cab06491

03/09/2001 07:21:47

* Mark of Schlumberger

Schlumberger

ORIGINAL

RECEIVED
JUN 12 2001
REGISTERED

KCC

JUN 20 2001

CONFIDENTIAL

Dowell a Division of Schlumberger Technology Corporation
204 S Missouri
Ulysses, KS 67880
Tel: 316 356 1272
Fax: 316 356 1911

INVOICE
CONFIDENTIAL

COPY

| Service Date 03/12/2001 | | Job Number 20206699 | | Invoice Date 03/15/2001 | | Invoice 9090611888 | |
|---|---|---|-------------------------------|---|-------------------------------------|---|--|
| Bill To: CABOT OIL & GAS PRODUCTION CORP DOMINION PLAZA 600 - 17TH STREET, SUITE 900 NORTH DENVER CO 80202 | | | | Remit To: Dowell a Division of Schlumberger Technology Corporation PO Box 201556 Houston TX 77216-1556 | | | |
| <p style="text-align: center;">RELEASED JUL 12 2002 FROM CONFIDENTIAL</p> | | | | Tax Registration Number: 22-1692661 We can invoice you EDI. Call (281) 285 4230 for more information. | | | |
| | | | | Terms 30 Days Net | | Service Description DW Cementing-Case, Cement Prod | |
| Customer PO | | Contract | | AFE | | Price Reference Dowell US | |
| Well BRYANT 10-5 | | State KS | County/Parish/Block Seward | | Legal Location SEC:5 T:33S R:33W | | |
| Field HUGOTON | | Customer or Authorized Representative Mark Kechmar | | | Rlg | | |
| Item | Description | Quantity | List Price | Disc | Net Price | Net Amount | |
| 48601000 | Cement Head Rental | 1.000 JOB | 485.00 | -32.000 % | 329.8000 | 329.80 | |
| 49100000 | Service Chg Cement Matl Land All DW Fur | 496.000 CF | 2.10 | -32.000 % | 1.4280 | 708.29 | |
| 49102000 | Transportation Cement Ton Mile | 1,031.000 MI | 1.55 | -32.000 % | 1.0540 | 1,086.67 | |
| 59200002 | Mileage, All Other Equipment | 96.000 MI | 4.15 | -32.000 % | 2.8220 | 270.91 | |
| 59697004 | PRISM | 1.000 JOB | 810.00 | -32.000 % | 550.8000 | 550.80 | |
| 102871030 | Casing Cmnt 2501-3000' 1st 4hr | 1.000 EA | 2,060.00 | -32.000 % | 1,400.8000 | 1,400.80 | |
| Sub-Total Services | | | | | | 4,347.27 | |
| 50101044 | Shoe, Guide Cement Type 4 1/2 In | 1.000 EA | 166.00 | -32.000 % | 112.8800 | 112.88 | |
| 51004044 | Collar, Flapper Type Float | 1.000 EA | 403.00 | -32.000 % | 274.0400 | 274.04 | |
| 56011085 | Centralizer, Regular | 6.000 EA | 117.00 | -32.000 % | 79.5600 | 477.36 | |
| 56702044 | Plug, Cementing 4 1/2 In Top Plastic | 1.000 EA | 69.00 | -32.000 % | 46.9200 | 46.92 | |
| 56711044 | Centralizer Deflector | 4.000 EA | 88.00 | -32.000 % | 59.8400 | 239.36 | |
| 102946000 | Fuel Surcharge | 1.000 EA | 95.90 | | 95.9000 | 95.90 | |
| D020 | Bentonite Extender D20 | 1,918.000 LB | 0.23 | -32.000 % | 0.1564 | 299.98 | |
| D029 | Cellophane Flakes D29 | 111.000 LB | 2.35 | -32.000 % | 1.5980 | 177.38 | |
| D044 | Salt, Granulated D44 | 921.000 LB | 0.18 | -32.000 % | 0.1224 | 112.73 | |
| D132 | Extender, Cement D132 | 185.000 CF | 5.97 | -32.000 % | 4.0596 | 751.03 | |
| D903 | Cement, Class C D903 | 266.000 CF | 14.55 | -32.000 % | 9.8940 | 2,631.80 | |
| M117 | Potassium Chloride M117 | 400.000 LB | 0.50 | -32.000 % | 0.3400 | 136.00 | |
| Sub-Total Products | | | | | | 5,355.38 | |
| Total before tax | | | | | | 9,702.65 | |
| Tax, USState/CanGST 4.900 % | | | | | | 217.71 | |
| Tax, US City 1.000 % | | | | | | 44.44 | |
| Total Amount Due on or Before 04/14/2001 PAYABLE IN USD FUNDS | | | | | | 9,964.80 | |

Please reference invoice number 9090611888 on payment.

Thank-you for calling Dowell

Schlumberger

565420
9090611888

Service Order Receipt

KCC

DRAFT

Schlumberger Technology Corporation
204 S Missouri
Ulysses, KS

ORIGINAL CONFIDENTIAL

JUN 20 2001

Job Number
20206699

Invoice Mailing Address:
CABOT OIL & GAS PRODUCTION CORP

600 - 17TH STREET, SUITE 900 NORTH
DENVER, CO
US

RELEASED
JUL 12 2002
FROM CONFIDENTIAL

| | | | | |
|-----------------|------|---------|------|------------|
| ARRIVE LOCATION | Date | 3/12/01 | Time | 4:30:00 AM |
| JOB START | Date | 3/12/01 | Time | 6:52:00 AM |
| JOB COMPLETION | Date | 3/12/01 | Time | 8:09:00 AM |
| LEAVE LOCATION | Date | 3/12/01 | Time | 9:00:00 AM |

Service Instructions
Cement 4 1/2 LS to surface with 270 sks lead cement and 180 sks tail

Service Description
Cementing - Cem Prod Casing

| | | | |
|-------------|-------------|----------------|--------|
| Customer PO | 0 | Contract | 0 |
| Well | Bryant 10-5 | State/Province | Kansas |
| Field | Hugoton | | |

| | | | |
|---------------------------------------|--------------|----------------|-------------------|
| AFE | 0 | Rig | Val Energy Rig 1 |
| County/Parish/Block | Stevens | Legal Location | SEC 5 - T33S-R33W |
| Customer or Authorized Representative | Mark Kechmar | | |

| Item | Description | Quantity | Unit | Unit Price | Disc | Amount |
|---------------------------|---|----------|------|------------|-------|-----------------|
| Services | | | | | | |
| 102871030 | Casing Cmnt 2501-3000' 1st 4hr | 1 | EA | 2,060.00 | 32.0% | 1,400.80 |
| 48601000 | Cement Head Rental | 1 | JOB | 485.00 | 32.0% | 329.80 |
| 49100000 | Service Chg Cement Matl Land All DW Fur | 496 | CF | 2.10 | 32.0% | 712.57 |
| 49102000 | Transportation Cement Ton Mile | 1031 | MI | 1.55 | 32.0% | 1,062.43 |
| 59200002 | Mileage, All Other Equipment | 96 | MI | 4.15 | 32.0% | 270.91 |
| 59697004 | PRISM | 1 | JOB | 810.00 | 32.0% | 550.80 |
| Services Subtotal: | | | | | | 4,327.32 |

| | | | | | | |
|---------------------------|--------------------------------------|------|----|--------|-------|-----------------|
| Products | | | | | | |
| 50101044 | Shoe, Guide Cement Type 4 1/2 In | 1 | EA | 166.00 | 32.0% | 112.88 |
| 51004044 | Collar, Flapper Type Float | 1 | EA | 403.00 | 32.0% | 274.04 |
| 56011085 | Centralizer, Regular | 6 | EA | 117.00 | 32.0% | 477.36 |
| 56702044 | Plug, Cementing 4 1/2 In Top Plastic | 1 | EA | 69.00 | 32.0% | 46.92 |
| 56711044 | Centralizer Deflector | 4 | EA | 88.00 | 32.0% | 239.36 |
| D020 | Bentonite Extender D20 | 1918 | LB | 0.23 | 32.0% | 299.98 |
| D130 D29 | Polyester Flake D130 | 111 | LB | 3.93 | 32.0% | 296.64 |
| D132 | Extender, Cement D132 | 185 | CF | 5.97 | 32.0% | 763.20 |
| D903 | Cement, Class C D903 | 266 | CF | 14.55 | 32.0% | 2,631.80 |
| D44 | | 921 | | | | |
| M117 | | 400 | | | | |
| Products Subtotal: | | | | | | 5,142.18 |

Total (Before Discount): 13,925.73
 Discount: 4,456.23
 Estimated Discounted Total (USD): 9,469.50

The estimated charges above are subject to correction by Dowell.

| | | |
|--|--|--|
| Service Receipt: I certify that the materials and services listed were received and all services performed in a workmanlike manner | Signature of Customer or Authorized Representative Mark Kechmar | Signature of Dowell Representative Brennon Fica |
|--|--|--|

Thank you for Calling Dowell!

3290

9702.65



Schlumberger Technology Corporation
 204 S Missouri
 Ulysses, KS

CONFIDENTIAL

Service Authorization

KCC

JUN 20 2002-Mar-01

ORIGINAL

CONFIDENTIAL

Job Number
 20206699

Invoice Mailing Address:
 CABOT OIL & GAS PRODUCTION CORP

 600 - 17TH STREET, SUITE 900 NORTH
 DENVER, CO
 US

RELEASED
 JUL 12 2002
 FROM CONFIDENTIAL

Important- See other side for terms and conditions

| | | |
|-----------------|---------|------------|
| ARRIVE LOCATION | Date | Time |
| | 3/12/01 | 4:30:00 AM |

Service Instructions
 Cement 4 1/2 LS to surface with 270 sks lead cement and 180 sks tail

Service Description
 Cementing - Cem Prod Casing

| | |
|-------------|----------|
| Customer PO | Contract |
| 0 | 0 |

| | |
|-----|------------------|
| AFE | Rig |
| 0 | Val Energy Rig 1 |

| | |
|-------------|----------------|
| Well | State/Province |
| Bryant 10-5 | Kansas |

| | |
|---------------------|------------------|
| County/Parish/Block | Legal Location |
| Stevens | SEC 5 -T33S-R33W |

| |
|---------|
| Field |
| Hugoton |

| |
|---------------------------------------|
| Customer or Authorized Representative |
| Mark Kechmar |

THIS IS A CONTRACT. PLEASE READ CAREFULLY. IN CONSIDERATION OF THE PRICES AND THE SERVICES, EQUIPMENT AND/OR PRODUCTS PROVIDED TO CUSTOMER HEREUNDER, CUSTOMER AND SCHLUMBERGER AGREE TO BE BOUND BY THE TERMS AND CONDITIONS ATTACHED OR BY THE TERMS AND CONDITIONS OF A MASTER SERVICE AGREEMENT IF ONE IS IN FORCE BETWEEN CUSTOMER AND SCHLUMBERGER. THERE ARE, AMONG OTHER THINGS, INDEMNITY AND HOLD HARMLESS PROVISIONS AND WARRANTY EXCLUSIONS HEREIN.

Comments

Service Order: I authorize work to begin as set forth herein and represent that I have authority to accept and sign this order.

Signature of Customer or Authorized Representative
Mark J. Kechmar Mark Kechmar

Signature of Dowell Representative
 Brennan Fica

Thank you for Calling Dowell!

Customer: **CABOT OIL & GAS PRODUCTION CORP** Job Number: **20206699**

| | | | | | | | |
|---|--|--|--|--|--|---------------------------------------|--|
| Well: Bryant 10-5 | | Location (legal): SEC 5 -T33S-R33W | | Dowell Location: Ulysses, KS | | Job Start: 3/12/01 | |
| Field: Hugoton | | Formation Name/Type: | | Deviation: 0 | | Well MD: 2,825 ft | |
| County: Stevens | | State/Province: Kansas | | Bit Size: 0 in | | Well TVD: 2,825 ft | |
| Rig Name: Val Energy Rig 1 | | Service Via: | | BHP: 0 psi | | BHST: 100 °F | |
| Offshore Zone: | | Well Class: | | BHCT: 80 °F | | Pore Press. Gradient: 0 psi/ft | |
| Drilling Fluid Type: Chemical | | Max. Density: 9 lb/gal | | Plastic Viscosity: 5 cp | | Casing/Liner | |
| Service Line: Cementing | | Job Type: Cem Prod Casing | | Depth, ft: 2810 | | Size, in: 4.5 | |
| Max. Allowed Tubing Pressure: 1000 psi | | Max. Allowed Ann. Pressure: 0 psi | | Weight, lb/ft: 11.6 | | Grade: N80 | |
| Wellhead Connection: 4 1/2" | | Well Type: | | Thread: BRD | | Tubing/Drill Pipe | |
| Service Instructions: Cement 4 1/2 LS to surface with 270 sks lead cement and 180 sks tail | | Depth, ft: 0 | | Size, in: 0 | | Weight, lb/ft: 0 | |
| | | Grade: 0 | | Thread: 0 | | Perforations/Open Hole | |
| | | Top, ft: 0 | | Bottom, ft: 0 | | spf: 0 | |
| | | No. of Shots: 0 | | Total Interval: 0 ft | | Diameter: 0 in | |
| | | Treat Down Casing: 44 bbl | | Packer Type: 0 ft | | Packer Depth: 0 ft | |
| | | Tubing Vol.: 0 bbl | | Casing Vol.: 43.5 bbl | | Annular Vol.: 114 bbl | |
| | | Open Hole Vol.: 0 bbl | | Casing Tools | | Squeeze Job | |
| Casing/Tubing Secured <input checked="" type="checkbox"/> | | 1 Hole Volume Circulated prior to Cementing <input type="checkbox"/> | | Shoe Type: Guide | | Squeeze Type: | |
| Lift Pressure: 621 psi | | Pipe Rotated <input type="checkbox"/> | | Pipe Reciprocated <input type="checkbox"/> | | Shoe Depth: 2810 ft | |
| No. Centralizers: 10 | | Top Plugs: 1 | | Bottom Plugs: 0 | | Stage Tool Type: | |
| Cement Head Type: Single | | Stage Tool Depth: 0 ft | | Tool Depth: 0 ft | | Tool Type: | |
| Job Scheduled For: 3/6/01 18:00 | | Arrived on Location: 3/12/01 4:30 | | Leave Location: 3/12/01 9:00 | | Collar Type: Other | |
| | | Collar Depth: 2768 ft | | Tail Pipe Size: 0 in | | Tail Pipe Depth: 0 ft | |
| | | Sqz Total Vol: 0 bbl | | | | | |

| Time | CumVol | Density | Flowrate | Pressure U1 | reset | Message | |
|-------------|--------|---------|----------|-------------|-------|---------|--------------------------|
| 24 hr clock | bbbl | ppg | bpm | psi | bbbl | | |
| 6:52 | 0 | 0 | 0 | 0 | 0 | 0 | START ACQUISITION |
| 6:52 | 0 | 8.03 | 0 | 0 | 0 | 0 | |
| 6:53 | 0 | 8.03 | 0 | 0 | 0 | 0 | Start Mixing Lead Slurry |
| 6:53 | 0 | 8.03 | 0 | 0 | 0 | 0 | |
| 6:54 | 0 | 8.03 | 0 | 0 | 0 | 0 | Start Pumping Water |
| 6:54 | 0.354 | 8.03 | 0 | 3118 | 0.354 | 0 | |
| 6:55 | 0.376 | 8.04 | 0 | 22.89 | 0.376 | 0 | |
| 6:56 | 3.25 | 8.1 | 4.58 | 109.9 | 3.25 | 0 | |
| 6:57 | 7.68 | 8.05 | 4.14 | 128.2 | 7.68 | 0 | |
| 6:58 | 11.52 | 9.7 | 3.34 | 132.8 | 11.52 | 0 | |
| 6:58 | 11.52 | 9.7 | 3.34 | 132.8 | 11.52 | 0 | Start Mixing Lead Slurry |
| 6:59 | 14.51 | 12.24 | 1.94 | 91.58 | 14.51 | 0 | |
| 7:00 | 16.99 | 13.02 | 2.42 | 68.68 | 16.99 | 0 | |
| 7:01 | 19.86 | 11.99 | 3.24 | 68.68 | 19.86 | 0 | |
| 7:02 | 23.95 | 11.4 | 4.44 | 82.42 | 23.95 | 0 | |
| 7:03 | 28.44 | 11.29 | 4.5 | 96.15 | 28.44 | 0 | |
| 7:04 | 32.88 | 11.3 | 4.18 | 87. | 32.88 | 0 | |
| 7:05 | 37.3 | 10.81 | 4.42 | 96.15 | 37.3 | 0 | |
| 7:06 | 41.6 | 10.75 | 4.44 | 87. | 41.6 | 0 | |
| 7:07 | 45.96 | 10.94 | 3.8 | 87. | 45.96 | 0 | |
| 7:08 | 50.45 | 11.2 | 4.36 | 82.42 | 50.45 | 0 | |
| 7:09 | 54.82 | 10.73 | 4.56 | 87. | 54.82 | 0 | |

RELEASED
JUL 12 2002
FROM CONFIDENTIAL

| Well | | | Field | | | Service Date | | Customer | Job Number |
|--------------|--------|---------|----------|-------------|-------|--------------|---|--------------------------|------------|
| Bryant #10-5 | | | Hugoton | | | | | IT OIL & GAS PRODUCTION | 20206699 |
| Time | CumVol | Density | Flowrate | Pressure U1 | reset | Message | | | |
| 24 hr clock | bbbl | ppg | bpm | psi | bbbl | | | | |
| 7:10 | 59.13 | 10.84 | 4.36 | 82.42 | 59.13 | 0 | 0 | CONFIDENTIAL | |
| 7:11 | 63.43 | 10.71 | 4.2 | 73.26 | 63.43 | 0 | 0 | KCC | |
| 7:12 | 67.85 | 11.23 | 3.96 | 91.58 | 67.85 | 0 | 0 | | |
| 7:13 | 72.2 | 10.87 | 4.38 | 73.26 | 72.2 | 0 | 0 | JUN 20 2001 | |
| 7:14 | 76.58 | 10.55 | 4.62 | 73.26 | 76.58 | 0 | 0 | CONFIDENTIAL ORIGINAL | |
| 7:15 | 80.93 | 10.99 | 4.2 | 64.1 | 80.93 | 0 | 0 | | |
| 7:16 | 84.84 | 11.1 | 3.96 | 68.68 | 84.84 | 0 | 0 | | |
| 7:17 | 88.94 | 11.13 | 3.74 | 59.52 | 88.94 | 0 | 0 | | |
| 7:18 | 93.02 | 11. | 3.78 | 64.1 | 93.02 | 0 | 0 | | |
| 7:19 | 97.09 | 11.21 | 4.22 | 68.68 | 97.09 | 0 | 0 | | |
| 7:20 | 101.2 | 11.12 | 3.92 | 64.1 | 101.2 | 0 | 0 | | |
| 7:21 | 105.2 | 11. | 4.16 | 64.1 | 105.2 | 0 | 0 | | |
| 7:22 | 109.4 | 11.02 | 3.82 | 64.1 | 109.4 | 0 | 0 | | |
| 7:23 | 113.7 | 11.01 | 4.22 | 68.68 | 113.7 | 0 | 0 | | |
| 7:24 | 117.8 | 11. | 4.08 | 64.1 | 117.8 | 0 | 0 | | |
| 7:25 | 121.8 | 11.17 | 3.82 | 73.26 | 121.8 | 0 | 0 | | |
| 7:26 | 125.8 | 10.82 | 4.08 | 64.1 | 125.8 | 0 | 0 | | |
| 7:27 | 129.8 | 10.42 | 4.16 | 64.1 | 129.8 | 0 | 0 | | |
| 7:28 | 133.6 | 11.67 | 3.84 | 64.1 | 133.6 | 0 | 0 | | |
| 7:29 | 137.5 | 10.62 | 3.72 | 41.21 | 137.5 | 0 | 0 | | |
| 7:30 | 141.4 | 10.73 | 3.8 | 45.79 | 141.4 | 0 | 0 | | |
| 7:31 | 141.4 | 10.73 | 3.8 | 45.79 | 141.4 | 0 | 0 | Start Mixing Tail Slurry | |
| 7:31 | 145.3 | 12.94 | 3.64 | 41.21 | 145.3 | 0 | 0 | | |
| 7:32 | 148.7 | 14.06 | 3.78 | 41.21 | 148.7 | 0 | 0 | | |
| 7:33 | 151.8 | 14.77 | 3.22 | 41.21 | 151.8 | 0 | 0 | | |
| 7:34 | 155. | 14.46 | 3.24 | 45.79 | 155. | 0 | 0 | | |
| 7:35 | 158.4 | 14.02 | 3.26 | 59.52 | 158.4 | 0 | 0 | | |
| 7:36 | 161.7 | 14.03 | 3.24 | 36.63 | 161.7 | 0 | 0 | | |
| 7:37 | 165. | 14.03 | 3.12 | 41.21 | 165. | 0 | 0 | | |
| 7:38 | 168.3 | 14.15 | 3.18 | 54.95 | 168.3 | 0 | 0 | | |
| 7:39 | 171.8 | 13.03 | 3. | 64.1 | 171.8 | 0 | 0 | | |
| 7:40 | 175.1 | 14.28 | 3.24 | 45.79 | 175.1 | 0 | 0 | | |
| 7:41 | 178.4 | 13.89 | 3.2 | 36.63 | 178.4 | 0 | 0 | | |
| 7:42 | 181.7 | 14.41 | 3.46 | 41.21 | 181.7 | 0 | 0 | | |
| 7:43 | 185. | 14.09 | 3.18 | 41.21 | 185. | 0 | 0 | | |
| 7:44 | 188. | 13.84 | 3.04 | 82.42 | 188. | 0 | 0 | | |
| 7:45 | 191.4 | 14.36 | 4.06 | 77.84 | 191.4 | 0 | 0 | | |
| 7:46 | 191.4 | 14.36 | 4.06 | 77.84 | 191.4 | 0 | 0 | wash to pit | |
| 7:46 | 192.3 | 1.34 | 0. | 0. | 192.3 | 0 | 0 | RELEASED | |
| 7:47 | 192.7 | 0.565 | 0. | -9.16 | 192.7 | 0 | 0 | JUL 12 2002 | |
| 7:48 | 192.7 | 8.59 | 0.18 | 18.32 | 192.7 | 0 | 0 | | |
| 7:49 | 196.3 | 8.29 | 4.08 | 96.15 | 196.3 | 0 | 0 | | |
| 7:50 | 200.1 | 8.09 | 4.12 | 91.58 | 200.1 | 0 | 0 | FROM CONFIDENTIAL | |
| 7:51 | 203.8 | 8.07 | 4.52 | 105.3 | 203.8 | 0 | 0 | | |
| 7:52 | 205.5 | 8.11 | 0.02 | -4.58 | 205.5 | 0 | 0 | | |
| 7:53 | 205.5 | 8.11 | 0.02 | -4.58 | 205.5 | 0 | 0 | Drop Top Plug | |
| 7:53 | 205.5 | 8.11 | 0.02 | -4.58 | 205.5 | 0 | 0 | Start Displacement | |
| 7:53 | 205.5 | 8.11 | 0.02 | -4.58 | 205.5 | 0 | 0 | Reset Volume | |
| 7:53 | 205.5 | 8.11 | 0.02 | -4.58 | 205.5 | 0 | 0 | [CumVol]=205.7 bbl | |
| 7:53 | 0.005 | 8.59 | 0. | -9.16 | 205.7 | 0 | 0 | | |
| 7:54 | 3.59 | 8.04 | 4.24 | 54.95 | 209.3 | 0 | 0 | | |
| 7:55 | 7.95 | 8.1 | 4.34 | 41.21 | 213.7 | 0 | 0 | | |
| 7:56 | 12.21 | 8.07 | 4.24 | 27.47 | 217.9 | 0 | 0 | | |
| 7:57 | 16.46 | 8.09 | 4.2 | 68.68 | 222.2 | 0 | 0 | | |

| Well | | | Field | | | Service Date | | Customer | | Job Number | |
|---------------------------------------|------------------------|--------------|-------------------|---|-------------------------------|---|--------|---|--|------------|--|
| Bryant #10-5 | | | Hugoton | | | | | IT OIL & GAS PRODUCTION | | 20206699 | |
| Time | CumVol | Density | Flowrate | Pressure U1 | reset | Message | | | | | |
| 24 hr clock | bbbl | ppg | bpm | psi | bbbl | | | | | | |
| 7:58 | 20.63 | 8.09 | 4.12 | 146.5 | 226.3 | 0 | 0 | KCC | | | |
| 7:59 | 24.73 | 8.09 | 4.12 | 219.8 | 230.4 | 0 | 0 | | | | |
| 8:00 | 28.79 | 8.09 | 3.98 | 288.5 | 234.5 | 0 | 0 | JUN 20 2001 | | | |
| 8:01 | 32.65 | 8.09 | 3.76 | 343.4 | 238.4 | 0 | 0 | | | | |
| 8:02 | 36.34 | 8.13 | 3.6 | 389.2 | 242.1 | 0 | 0 | CONFIDENTIAL ORIGINAL | | | |
| 8:03 | 40.02 | 8.13 | 3.6 | 467. | 245.7 | 0 | 0 | | | | |
| 8:04 | 42.7 | 8.13 | 1.92 | 453.3 | 248.4 | 0 | 0 | | | | |
| 8:05 | 44.59 | 8.14 | 1.84 | 503.7 | 250.3 | 0 | 0 | | | | |
| 8:06 | 46.42 | 8.14 | 1.8 | 531.1 | 252.1 | 0 | 0 | | | | |
| 8:07 | 47.63 | 8.14 | 0. | 993.6 | 253.3 | 0 | 0 | | | | |
| 8:07 | 47.63 | 8.14 | 0. | 993.6 | 253.3 | 0 | 0 | Bump Top Plug | | | |
| 8:08 | 47.63 | 8.14 | 0. | 993.6 | 253.3 | 0 | 0 | Bleed Off Pressure | | | |
| 8:08 | 47.63 | 8.14 | 0. | 897.4 | 253.3 | 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 | 0 | 0 | 5 | | 182 | 0 | 10 | 0 | | | |
| Treating Pressure Summary, psi | | | | | Breakdown Fluid | | | | | | |
| Maximum | Final | Average | Bump Plug to | Breakdown | Type | Volume | | Density | | | |
| 953 | 0 | 200 | 1000 | 0 | | 0 bbl | | 0 lb/gal | | | |
| Avg. N2 Percent | Designed Slurry Volume | Displacement | Mix Water Temp | <input checked="" type="checkbox"/> Cement Circulated to Surface? | | Volume | | | | | |
| 0 % | 175 bbl | 43.6 bbl | °F | <input type="checkbox"/> Washed Thru Perfs To | | 0 ft | | 14 bbl | | | |
| Customer or Authorized Representative | | | Dowell Supervisor | | | <input type="checkbox"/> Circulation Lost | | <input checked="" type="checkbox"/> Job Completed | | | |
| Mark Kechmar | | | Brennon Fica | | | | | | | | |

RELEASED

JUL 12 2002

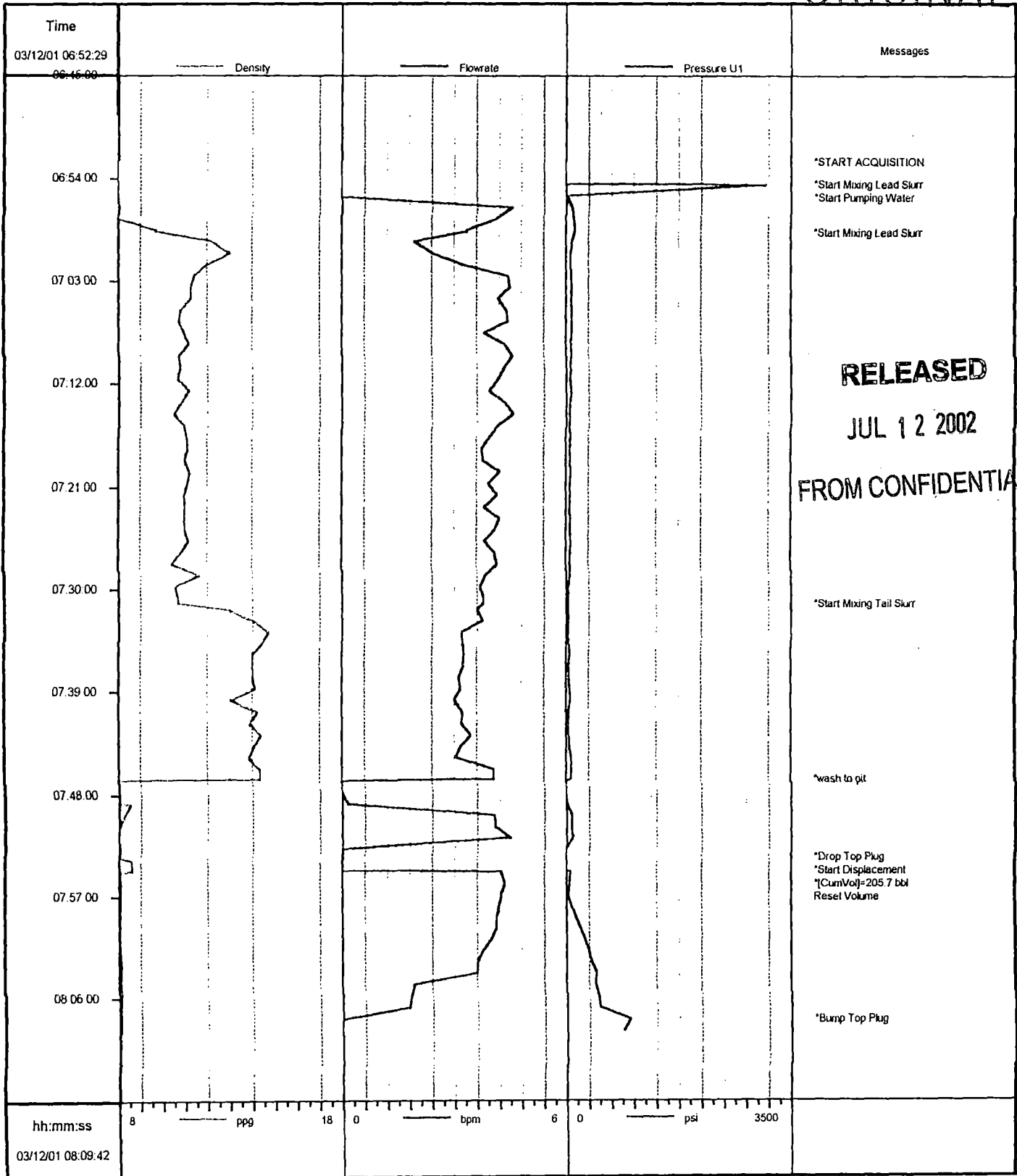
FROM CONFIDENTIAL

Journal

CONFIDENTIAL

| | | | | |
|---------|-------------|--------------|----------|----------------------|
| Well | Bryant 10-5 | KCC | Client | Cabot Oil and Gas |
| Field | Hugoton | JUN 20 2001 | SIR No. | 20206699 |
| Country | USA | CONFIDENTIAL | Job Date | 3/12/2001 6:52:29 AM |

ORIGINAL



RELEASED
JUL 12 2002
FROM CONFIDENTIAL

Job calis6699

03/12/2001 08:19:04