

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5144
 Name: Mull Drilling Company, Inc.
 Address 1: 1700 N WATERFRONT PKWY
 Address 2: BLDG 1200
 City: WICHITA State: KS Zip: 67206 + _____
 Contact Person: Mark Shreve
 Phone: (316) 264-6366
 CONTRACTOR: License # 5929
 Name: Duke Drilling Co., Inc.
 Wellsite Geologist: Kevin Kessler
 Purchaser: Plains Marketing

Designate Type of Completion:

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

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

Operator: _____
 Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

| | | |
|-----------------------------------|-------------------|---|
| <u>10/12/2010</u> | <u>10/22/2010</u> | <u>11/12/2010</u> |
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |

API No. 15 - 15-101-22260-00-00

Spot Description: _____

NW SE NW SE Sec. 6 Twp. 19 S. R. 28 East West

1724 Feet from North / South Line of Section

1718 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Lane

Lease Name: Hineman Trusts Well #: 1-6

Field Name: Wildcat

Producing Formation: L/KC

Elevation: Ground: 2781 Kelly Bushing: 2790

Total Depth: 4700 Plug Back Total Depth: 4290

Amount of Surface Pipe Set and Cemented at: 229 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 2137 Feet

If Alternate II completion, cement circulated from: 2137

feet depth to: 0 w/ 175 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 8500 ppm Fluid volume: 900 bbls

Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
 Date: 01/05/2011
- Confidential Release Date: 01/04/2013
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: NAOMI JAMES Date: 01/18/2011

Operator Name: Mull Drilling Company, Inc. Lease Name: Hineman Trusts Well #: 1-6

Sec. 6 Twp. 19 S. R. 28 East West County: Lane

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

| | | | | |
|--|---|----------------|--------------|----------------|
| Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input 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 Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: CDL/CNL/PE; DIL; Micro & Sonic | <input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border: none;"> <tr> <td style="width:60%; border: none;">Name Attached</td> <td style="width:20%; border: none;">Top Attached</td> <td style="width:20%; border: none;">Datum Attached</td> </tr> </table> | Name Attached | Top Attached | Datum Attached |
| Name Attached | Top Attached | Datum Attached | | |

| 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 | 12.2500 | 8.6250 | 20 | 229 | Common | 165 | 3% cc, 2% gel |
| Production | 7.8750 | 4.5000 | 10.5 | 4690 | 50/50 Poz | 235 | |
| | | | | | | | |

| ADDITIONAL CEMENTING / SQUEEZE RECORD | | | | |
|---|------------------|----------------|--------------|----------------------------|
| Purpose: | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone | 0-2137 | SMD | 175 | |
| | | | | |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
| 4 | 4496' - 4500' | 250 gal 15% MCA | |
| 4 | 4378' - 4386' | 500 gal 15% MCA. Set CIBP @ 4368' | |
| 4 | 4354' - 4358' | Squeezed w/75 sx Standard Cmt | |
| 4 | 4300' - 4308' | 500 gal 15% MCA. Set CIBP @ 4290' | |
| 4 | 4238' - 4244' | | |

| | | | | |
|----------------|--------------|---------------|------------|--|
| TUBING RECORD: | Size: 2.3750 | Set At: 4268' | Packer At: | Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
|----------------|--------------|---------------|------------|--|

| | |
|---|--|
| Date of First, Resumed Production, SWD or ENHR. 11/12/2010 | 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. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| | 28 | 0 | 0 | | 36 |

| | | |
|---|---|--|
| DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit 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 <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL: <u>4238'-4244'</u> |
|---|---|--|

| | |
|-----------|-----------------------------|
| Form | ACO1 - Well Completion |
| Operator | Mull Drilling Company, Inc. |
| Well Name | Hineman Trusts 1-6 |
| Doc ID | 1048951 |

Tops

| | | |
|----------------|------|-------|
| | | |
| Anhydrite | 2141 | + 649 |
| B/Anhydrite | 2168 | + 622 |
| Heebner Shale | 3964 | -1174 |
| B/KC | 4374 | -1584 |
| Marmaton | 4396 | -1696 |
| Ft. Scott | 4542 | -1752 |
| Cherokee Shale | 4566 | -1776 |
| Mississippian | 4640 | -1850 |

ALLIED CEMENTING CO., LLC. 035583

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Oakley, KS

| | | | | | | | |
|--------------------------------|-----------|-----------------------------|----------|------------|--------------------|------------------|-------------------|
| 10-12-10 DATE | SEC. 6 | TWP. 19 | RANGE 28 | CALLED OUT | ON LOCATION 1:30pm | JOB START 4:00pm | JOB FINISH 4:30pm |
| Almonna LEASE | WELL# 1-6 | LOCATION Dighton 35-12-3145 | | | COUNTY Lane | STATE KS | |
| OLD OR <u>NEW</u> (Circle one) | | | | u-r | | | |

CONTRACTOR Duke #4
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 230'
 CASING SIZE 8 5/8 DEPTH 229'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15'
 PERFS.
 DISPLACEMENT 13.6

EQUIPMENT
 PUMP TRUCK CEMENTER Fuzzy
 # 431 HELPER Billy
 BULK TRUCK
 # 386 DRIVER Terry
 BULK TRUCK
 # DRIVER

REMARKS:
cement did circulate
approx 2 BHG
plug down @ 4:30pm
Thanks Fuzzy + crew

OWNER
 CEMENT
 AMOUNT ORDERED 165 (com 39acc
290cel

| | | | |
|----------|-----------------|----------------|----------------|
| COMMON | <u>165</u> | @ <u>13.65</u> | <u>2252.25</u> |
| POZMIX | | @ | |
| GEL | <u>3</u> | @ <u>20.40</u> | <u>61.20</u> |
| CHLORIDE | <u>6</u> | @ <u>57.15</u> | <u>342.90</u> |
| ASC | | @ | |
| | | @ | |
| | | @ | |
| | | @ | |
| | | @ | |
| | | @ | |
| | | @ | |
| HANDLING | <u>174</u> | @ <u>2.10</u> | <u>365.40</u> |
| MILEAGE | <u>104.5 km</u> | | <u>609.75</u> |
| TOTAL | | | <u>3630.25</u> |

SERVICE
 DEPTH OF JOB 229'
 PUMP TRUCK CHARGE 899.00
 EXTRA FOOTAGE @
 MILEAGE 35 @ 7.00 245.00



| | |
|------------------------|---------------|
| CHARGE TO: | MULL Drilling |
| ADDRESS: | |
| CITY, STATE, ZIP CODE: | |

| | | | | | |
|----------------------|---|----------------|---------------------|-----------------|--------------|
| SERVICE LOCATIONS | WELL/PROJECT NO. | LEASE | COUNTY/PARISH | STATE | CITY |
| 1. Ness City, KS | 41-6 | Higgenan Trust | Lane | KS | Dighton |
| 2. | TICKET TYPE | CONTRACTOR | RIG NAME/NO. | SHIPPED | DELIVERED TO |
| | <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES | DUKE | 24 | WA CT | Location |
| 3. | WELL TYPE | WELL CATEGORY | JOB PURPOSE | WELL PERMIT NO. | |
| | oil | Development | connect long string | | |
| 4. REFERRAL LOCATION | INVOICE INSTRUCTIONS | | | | |

| PRICE REFERENCE | SECONDARY REFERENCE/ PART NUMBER | ACCOUNTING | | | DESCRIPTION | QTY. | UOM | QTY. | U |
|-----------------|----------------------------------|------------|------|----|----------------------------------|-------|-----|------|----|
| | | LOC | ACCT | DF | | | | | |
| 575 | | 1 | | | MILEAGE TRK 114 | 40 | mi | | |
| 578 | | 1 | | | Pump Charge | 1 | ea | | |
| 400 | | 1 | | | Guideshoe | 4 1/2 | in | 1 | ea |
| 403 | | 1 | | | Cement Basket | 4 1/2 | in | 1 | ea |
| 404 | | 1 | | | Port collar | 4 1/2 | in | 1 | ea |
| 409 | | 1 | | | turbolizer | 4 1/2 | in | 8 | ea |
| 410 | | 1 | | | TOP PLUG | 4 1/2 | in | 1 | ea |
| 415 | | 1 | | | insert float collar w/ auto fill | 4 1/2 | in | 1 | ea |
| 419 | | 1 | | | ROTATING head rental | 4 1/2 | in | 1 | ea |

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

x *Ohly Park*
 DATE SIGNED _____ TIME SIGNED _____
 A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

| | | | |
|--|------------------------------|-----------------------------|----|
| SURVEY | AGREE | UN-DECIDED | AS |
| OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? | | | |
| WE UNDERSTOOD AND MET YOUR NEEDS? | | | |
| OUR SERVICE WAS PERFORMED WITHOUT DELAY? | | | |
| WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? | | | |
| ARE YOU SATISFIED WITH OUR SERVICE? | <input type="checkbox"/> YES | <input type="checkbox"/> NO | |
| <input type="checkbox"/> CUSTOMER DID NOT WASH TO RESPOND | | | |

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

SWIFT OPERATOR: *B Campbell* APPROVAL: _____



PO Box 466
 Ness City, KS 67560
 Off: 785-798-2300

TICKET CONTINUATION

CUSTOMER **MULL DRILLING** WELL **Hinman Trust 1**

| LINE NO. | QUANTITY | UNIT | DESCRIPTION | WEIGHT | VOLUME |
|----------|----------|------|----------------------|--------|----------|
| 327 | 1 | | 50/50 polymer 2% gel | 265 | 56 |
| - | 1 | | Bentonite gel | 400 | 16 |
| 283 | 1 | | salt | 1300 | 16 |
| 286 | 1 | | Halat 1 | 100 | 16 |
| 276 | 1 | | Floccle | 50 | 16 |
| 280 | 1 | | Flocheck 21 | | 1000 gal |
| 221 | 1 | | KCL liquid | | 2 gal |
| 290 | 1 | | D-AIR | | 2 gal |
| 581 | 1 | | SERVICE CHARGE | 205 | |
| 583 | 1 | | TOTAL WEIGHT | 22255 | |
| | | | LOADED MILES | 40 | |
| | | | TON MILES | 445.10 | TM |



JOB LOG

SWIFT Services, Inc.

DATE 23 OCT 70 PAGE NO.

CUSTOMER MILL Drilling WELL NO. 4-6 LEASE Armenia Trust JOB TYPE Cement long string TICKET NO. 19069

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMP | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|------|------------|--------------------|------|---|----------------|--------|---|
| | | | | T | C | TUBING | CASING | |
| | | | | | | | | 265 sks 50/50 902 20/gal 4 1/2" 10.5 pipe Guide shoe 4690' Float collar 4645' PORT COLLAR 2137' shaft 95' Cont 1, 3, 5, 7, 9, 11, 13, 58 Basket 57 |
| | 0830 | | | | | | | on loc TRC 114 |
| | 0940 | | | | | | | start 4 1/2" pipe in well |
| | 1150 | | | | | | | Drop Ball circulate rotate |
| | 0130 | 4 3/4 | 5 | | | | 200 | Pump H ₂ O spacer w/ KCL |
| | | 4 3/4 | 24 | | | | 200 | Pump 1000gal Flood |
| | | 4 3/4 | 5 | | | | 200 | Pump H ₂ O spacer w/ KCL |
| | 0135 | 4 3/4 | 6 1/2 | | | | | Plug RH with [30 sks] |
| | 0140 | 6 3/4 | 61 | | | | 200 | Mix cement 255 sks 50/50 702 20/gal 1076 gal 14.4 P/B 8.3 P/B |
| | | | | | | | | wash out per lines |
| | 0200 | | | | | | | Release plug |
| | | 6 3/4 | 0 | | | | 200 | Displace plug |
| | | 6 3/4 | 70 | | | | 600 | [stop rotation at 63 hrs] |
| | 0200 | | 74 | | | | 1500 | Plug down |
| | 0205 | | | | | | | Release pressure to truck - dried up |

001/002

MDC WICHITA

MDC-CHEY_WELLS.CO

11/12/2010 09:20 FAX 7197678994



CHARGE TO: MULL Drilling

ADDRESS: _____

CITY, STATE, ZIP CODE: _____

| | | | | | |
|---|-------------------------------------|---|------------------------------|--------------------------|---------------------------------|
| 1. SERVICE LOCATION <u>NESS city KS</u> | WELL/PROJECT NO. <u>1-6</u> | LEASE <u>Hineman Trust</u> | COUNTY/PARISH <u>Lawe</u> | STATE <u>KS</u> | CITY <u>Dighton</u> |
| 2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES | CONTRACTOR <u>Wildwest</u> | | RIG NAME/NO. | SHIPPED VIA <u>OT</u> | DELIVERED TO <u>location</u> |
| 3. WELL TYPE <u>0.7</u> | WELL CATEGORY <u>Development</u> | JOB PURPOSE <u>connect post collar</u> | | WELL PERMIT NO. | |
| 4. REFERRAL LOCATION | INVOICE INSTRUCTIONS | | | | |

| PRICE REFERENCE | SECONDARY REFERENCE/ PART NUMBER | ACCOUNTING | | | DESCRIPTION | QTY. | UM | QTY. |
|-----------------|-------------------------------------|------------|------|----|-----------------|------|-----|------|
| | | LOG | ACCT | OF | | | | |
| 575 | | 1 | | | MILEAGE TRK 114 | 40 | mi | |
| 5700 | | 1 | | | — | | | |
| 576D | | 1 | | | Pump Charge | 1 | ea | |
| 330 | | 1 | | | SMD cement | 200 | sk | |
| 276 | | 1 | | | flocalc | 50 | lb | |
| 581 | | 1 | | | Service Charge | 300 | sk | |
| 583 | | 1 | | | Drillage | 2903 | lb | 59 |
| 29D | | 1 | | | D-AIR | 1 | gal | |

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

[Signature]
DATE SIGNED _____ TIME SIGNED _____ A.M. P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

| SURVEY | | AGREE | DISC |
|--|------------------------------|-----------------------------|------|
| OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? | | | |
| WE UNDERSTOOD AND MET YOUR NEEDS? | | | |
| OUR SERVICE WAS PERFORMED WITHOUT DELAY? | | | |
| WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? | | | |
| ARE YOU SATISFIED WITH OUR SERVICE? | <input type="checkbox"/> YES | <input type="checkbox"/> NO | |

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

SWIFT OPERATOR: *[Signature]* APPROVAL: _____



CHARGE TO: **Mull Drig. Co. Inc.**
 ADDRESS:
 CITY, STATE, ZIP CODE:

SERVICE LOCATIONS
 1. **NESS CITY, KS**
 2.
 3.
 4. REFERRAL LOCATION

WELL/PROJECT NO. **1-6** LEASE **HAYMAN TRUST** COUNTY/PARISH **LANE** STATE **Ks** CITY
 TICKET TYPE SERVICE SALES CONTRACTOR **Wad West Well Service** PRG NAME/NO. SHIPPED VIA **CT** DELIVERED TO **LOCATION**
 WELL TYPE **Oil** WELL CATEGORY **DEVELOPMENT** JOB PURPOSE **SQUEEZE PERFORATIONS** WELL PERMIT NO.
 INVOICE INSTRUCTIONS

| PRICE REFERENCE | SECONDARY REFERENCE/ PART NUMBER | ACCOUNTING | | | DESCRIPTION | QTY. | UM | QTY. | U |
|-----------------|-------------------------------------|------------|------|----|-----------------------|------|-----|------|----|
| | | LOG | ACCT | DF | | | | | |
| 596 | | 1 | | | MILEAGE # 110 | 40 | MI | | |
| 598 | | 1 | | | PUMP CHARGE | 1 | TRC | 4354 | 12 |
| 325 | | 1 | | | STANDARD CEMENT | 75 | SBS | | |
| 286 | | 1 | | | HALO-1 | 25 | SBS | | |
| 290 | | 1 | | | D-ADR | 1 | GN | | |
| 581 | | 1 | | | SERVICE CHARGE CEMENT | 100 | SBS | | |
| 582 | | 1 | | | DRYAGE - MENTUM | 9400 | SBS | 188 | M |

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MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X *[Signature]*
 DATE SIGNED **11-8-10** TIME SIGNED **0900** **5 AM**

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

| SURVEY | AGREE | UN-DECIDED | AG |
|--|------------------------------|-----------------------------|----|
| OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? | | | |
| WE UNDERSTOOD AND MET YOUR NEEDS? | | | |
| OUR SERVICE WAS PERFORMED WITHOUT DELAY? | | | |
| WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? | | | |
| ARE YOU SATISFIED WITH OUR SERVICE? | <input type="checkbox"/> YES | <input type="checkbox"/> NO | |

CUSTOMER DID NOT WISH TO RESPOND

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES
 SWIFT OPERATOR **WAYNE WATSON** APPROVAL

JOB LOG

SWIFT Services, Inc.

DATE 11-8-10 PAGE NO. 1

CUSTOMER: MULL DELS. Co. Inc. WELL NO.: 1-6 LEASE: HANSMAN TRUST JOB TYPE: SQUEEZE PERFORATIONS TICKET NO.: 19105

| CHART NO. | TIME | RATE (GPM) | VOLUME (GALLONS) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|------|------------|------------------|-------|---|----------------|--------|---|
| | | | | T | C | TUBING | CASING | |
| | 0900 | | | | | | | ON LOCATION |
| | | | | | | | | 2 3/8 x 4 1/2 CRP - 4368' |
| | | | | | | | | PERFS - 4354 - 58 |
| | | | | | | | | PUR - 4283 |
| | 0910 | | 29 | | ✓ | | 500 | SPAD ANNUUS - HELD - SHUT IN |
| | 0920 | 0 | 11 | ✓ | | 1500 | | LOW RATE - CANNOT PUMP IN |
| | 0930 | | | | | | | ORDER ADD / COMPETITION - DEBIT (500 GAL) |
| | 1030 | 3 | 12 | ✓ | | 1000 | | ADD - INT. DATE -- VAC. |
| | 1100 | | | | ✓ | | 500 | PSE ANN - SHUT IN |
| | 1105 | 2 | 16 | ✓ | | 0 | | MAX 75 SPS STANDARD CEMENT (25" HAWK - 1" 2500) |
| | 1114 | 2 | 0 | ✓ | | 0 | | RELEASE CEMENT |
| | | 2 | 8 | ✓ | | 300 | | " |
| | | 2 | 11 | ✓ | | 700 | | " |
| | | 1 | 13 | ✓ | | 600 | | " |
| | 1122 | 3/4 | 15 | ✓ | | 700 | | " SHUT DOWN |
| | 1127 | 1/2 | 17 | ✓ | | 600/900 | | " " |
| | 1135 | | | | | 750 | | SHUT IN - WASH TRUCK |
| | 1145 | | | | | 500/700 | | SPAD - BLEED OFF |
| | 1200 | | 17 1/4 | ✓ | | 1000 | | " - HOLDING |
| | 1205 | | | ✓ | | 1250 | | " " |
| | 1215 | | | | | 1250 | | RELEASE - HELD |
| | 1225 | 2 1/2 | 50 | | ✓ | | 500 | WASH 3 CTS DOWN TO CRP |
| | 1255 | | | ✓ | | 500 | | PULL 4 CTS - PSE SQUEEZE - HELD |
| | 1305 | | | ✓ | | 500 | | RELEASE PSE - PULL PACKED OUT WELL |
| | | | | | | | | 70 SPS CEMENT IN PERFORATIONS |

KEVIN L. KESSLER

CONSULTING PETROLEUM GEOLOGIST

(316) 522-7338

OPERATOR : MULL DRILLING CO. INC.

LEASE : HINEMAN TRUSTS WELL # : 1 - 6

LOCATION : 1724' FSL & 1718' FEL

SEC: 06 TWP : 19 S RGE : 28 W

COUNTY : LANE STATE : KANSAS

CONTRACTOR : DUKE DRILLING RIG # 4

COMM: 10 / 12 / 2010

COMP : 10 / 22 / 2010

RTD : 4700

LOG TD : 4700

SAMPLES SAVED FROM : 3800

TO: RTD

GEOLOGICAL SUPERVISION FROM : 3800

TO : RTD

MUD UP : 3700

TYPE MUD : CHEMICAL

| FORMATION | LOG TOP | DATUM | SAMPLE TOP | DATUM | STRUCT. COMP. |
|-------------|------------|--------|---------------|--------|------------------|
| HEEBNER | 3963 | - 1173 | 3963 | - 1173 | + 27 |
| LANSING | 4004 | - 1214 | 4004 | - 1214 | + 32 |
| STARK | 4286 | - 1496 | 4286 | - 1496 | + 29 |
| BASE / KC | 4374 | - 1584 | 4374 | - 1584 | + 21 |
| FT SCOTT | 4541 | - 1751 | 4541 | - 1751 | + 24 |
| CHEROKEE | 4566 | - 1776 | 4566 | - 1776 | + 22 |
| MISSISSIPPI | 4636 | - 1846 | 4634 | - 1844 | + 26 |

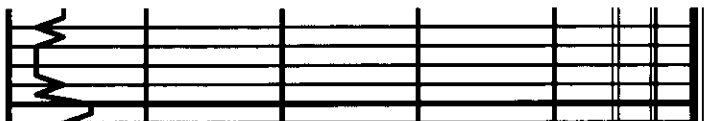
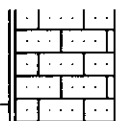
REFERENCE WELL FOR STRUCTURAL COMPARISON :

SLAWSON # 1 HINEMAN 'G'

SEC. 06 - T 19 S - R 28 W

LANE COUNTY KANSAS

3800





DRILL STEM TEST REPORT

Prepared For: **MULL DRILLING COMPANY INC.**

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

ATTN: KEVIN KESSLER

6-19S-28W LANE

HINEMAN TRUST 1-6

Start Date: 2010.10.17 @ 11:00:00

End Date: 2010.10.17 @ 18:23:30

Job Ticket #: 1038 DST #: 1

Eagle Testers LLC.

P.O.Box 1011, Great Bend, KS 67530

620-617-7548

Printed: 2010.10.17 @ 12:10:00



DRILL STEM TEST REPORT

MULL DRILLING COMPANY INC.

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

ATTN: KEVIN KESSLER

HINEMAN TRUST 1-6

6-19S-28W LANE

Job Ticket: 1038

DST#: 1

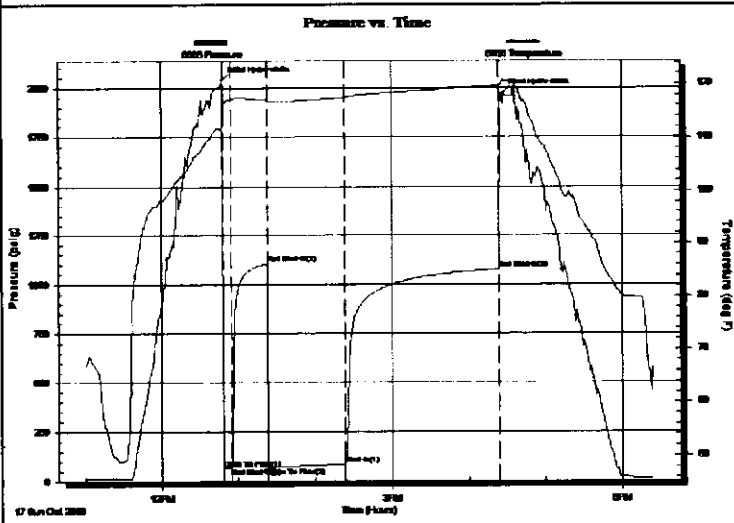
Test Start: 2010.10.17 @ 11:00:00

GENERAL INFORMATION:

Formation: **LKC -E-F**
 Deviated: **No Whipstock:** ft (KB)
 Test Type: **Conventional Bottom Hole (Initial)**
 Time Tool Opened: **12:48:30**
 Tester: **DAVID NICHOLS**
 Time Test Ended: **18:23:30**
 Unit No: **15 62 M RT SCOTT CIT**
 Interval: **4050.00 ft (KB) To 4105.00 ft (KB) (TVD)**
 Reference Elevations: **2789.00 ft (KB)**
 Total Depth: **4105.00 ft (KB) (TVD)**
2781.00 ft (CF)
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 KB to GR/CF: **8.00 ft**

Serial #: 6666 **Inside**
 Press@RunDepth: **85.28 psig @ 4101.00 ft (KB)** Capacity: **5000.00 psig**
 Start Date: **2010.10.17** End Date: **2010.10.17** Last Calib.: **2010.10.17**
 Start Time: **11:00:00** End Time: **18:23:30** Time On Btm: **2010.10.17 @ 12:48:00**
 Time Off Btm: **2010.10.17 @ 16:27:00**

TEST COMMENT: 5-INITIAL OPENING FAIR BLOW BUILT TO 2 INCHES INTO WATER
 30-INITIAL SHUT IN NO BLOW BACK
 60-FINAL OPENING WEAK BUILDING BLOW BUILT TO 3 INCHES INTO WATER
 120-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2035.74 | 111.33 | Initial Hydro-static |
| 1 | 65.39 | 114.33 | Open To Flow (1) |
| 7 | 68.33 | 117.10 | End Shut-In(1) |
| 35 | 1104.94 | 117.00 | End Shut-In(2) |
| 36 | 69.28 | 116.83 | Open To Flow (2) |
| 96 | 85.28 | 117.45 | Shut-In(1) |
| 216 | 1077.02 | 119.63 | End Shut-In(3) |
| 219 | 1970.12 | 120.78 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 63.00 | MUD 100%MUD | 0.92 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



DRILL STEM TEST REPORT

MULL DRILLING COMPANY INC.

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

ATTN: KEVIN KESSLER

HINEMAN TRUST 1-6

6-19S-28W LANE

Job Ticket: 1038

DST#: 1

Test Start: 2010.10.17 @ 11:00:00

GENERAL INFORMATION:

Formation: LKC -E-F

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:48:30

Time Test Ended: 18:23:30

Interval: 4050.00 ft (KB) To 4105.00 ft (KB) (TVD)

Total Depth: 4105.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 15 62 MRT SCOTT CIT

Reference Elevations: 2789.00 ft (KB)

2781.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6651

Outside

Press@RunDepth: 1079.03 psig @ 4102.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2010.10.17

End Date:

2010.10.17

Last Calib.:

2010.10.17

Start Time: 11:08:00

End Time:

18:29:30

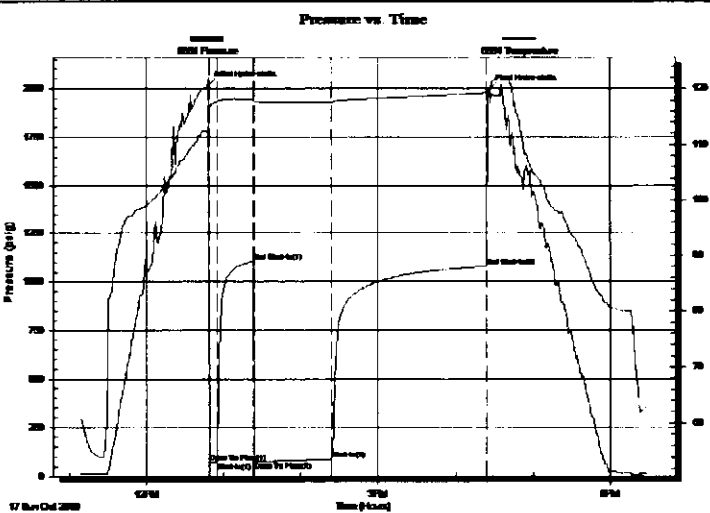
Time On Btm:

2010.10.17 @ 12:48:00

Time Off Btm:

2010.10.17 @ 16:26:00

TEST COMMENT: 5-INITIAL OPENING FAIR BLOW BUILT TO 2 INCHES INTO WATER
30-INITIAL SHUT IN NO BLOW BACK
60-FINAL OPENING WEAK BUILDING BLOW BUILT TO 3 INCHES INTO WATER
120-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2013.43 | 112.91 | Initial Hydro-static |
| 1 | 70.96 | 115.74 | Open To Flow (1) |
| 8 | 72.58 | 117.64 | Shut-in(1) |
| 36 | 1104.74 | 118.07 | End Shut-in(1) |
| 36 | 74.45 | 117.69 | Open To Flow (2) |
| 96 | 87.25 | 117.58 | Shut-in(2) |
| 216 | 1079.03 | 119.27 | End Shut-in(2) |
| 218 | 1993.66 | 119.58 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 63.00 | MUD 100%MUD | 0.92 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



DRILL STEM TEST REPORT

TOOL DIAGRAM

MULL DRILLING COMPANY INC.

HINEMAN TRUST 1-6

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

6-19S-28W LANE

Job Ticket: 1038

DST#: 1

ATTN: KEVIN KESSLER

Test Start: 2010.10.17 @ 11:00:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4035.00 ft | Diameter: 3.88 inches | Volume: 59.01 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 95000.00 lb |
| | | | <u>Total Volume: 59.01 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 0.00 ft | | | String Weight: Initial 56000.00 lb |
| Depth to Top Packer: | 4050.00 ft | | | Final 56000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 55.00 ft | | | |
| Tool Length: | 70.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |
| Tool Comments: | | | | |

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------------------|
| SHUT IN TOOL | 5.00 | | | 4040.00 | |
| HYD S.I. Tool | 5.00 | | | 4045.00 | |
| TRAVEL COLER | 2.00 | | | 4047.00 | |
| Packer | 3.00 | | | 4050.00 | 15.00 Bottom Of Top Packer |
| TRAVEL COLER | 2.00 | | | 4052.00 | |
| PACKER | 3.00 | | | 4055.00 | |
| CH OVER SUB | 0.75 | | | 4055.75 | |
| DRILL PIPE | 31.50 | | | 4087.25 | |
| CH OVER SUB | 0.75 | | | 4088.00 | |
| Anchor | 12.00 | | | 4100.00 | |
| Recorder | 1.00 | 6666 | Inside | 4101.00 | |
| Recorder | 1.00 | 6651 | Outside | 4102.00 | |
| BULL PLUG | 3.00 | | | 4105.00 | 55.00 Anchor Tool |

Total Tool Length: 70.00



DRILL STEM TEST REPORT

FLUID SUMMARY

MULL DRILLING COMPANY INC.

HINEMAN TRUST 1-6

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

6-19S-28W LANE

Job Ticket: 1038

DST#: 1

ATTN: KEVIN KESSLER

Test Start: 2010.10.17 @ 11:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Salinity: ppm

Viscosity: 48.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 2800.00 ohm.m

Gas Cushion Pressure: psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 63.00 | MUD 100%MUD | 0.921 |

Total Length: 63.00 ft Total Volume: 0.921 bbl

Num Fluid Samples: 0

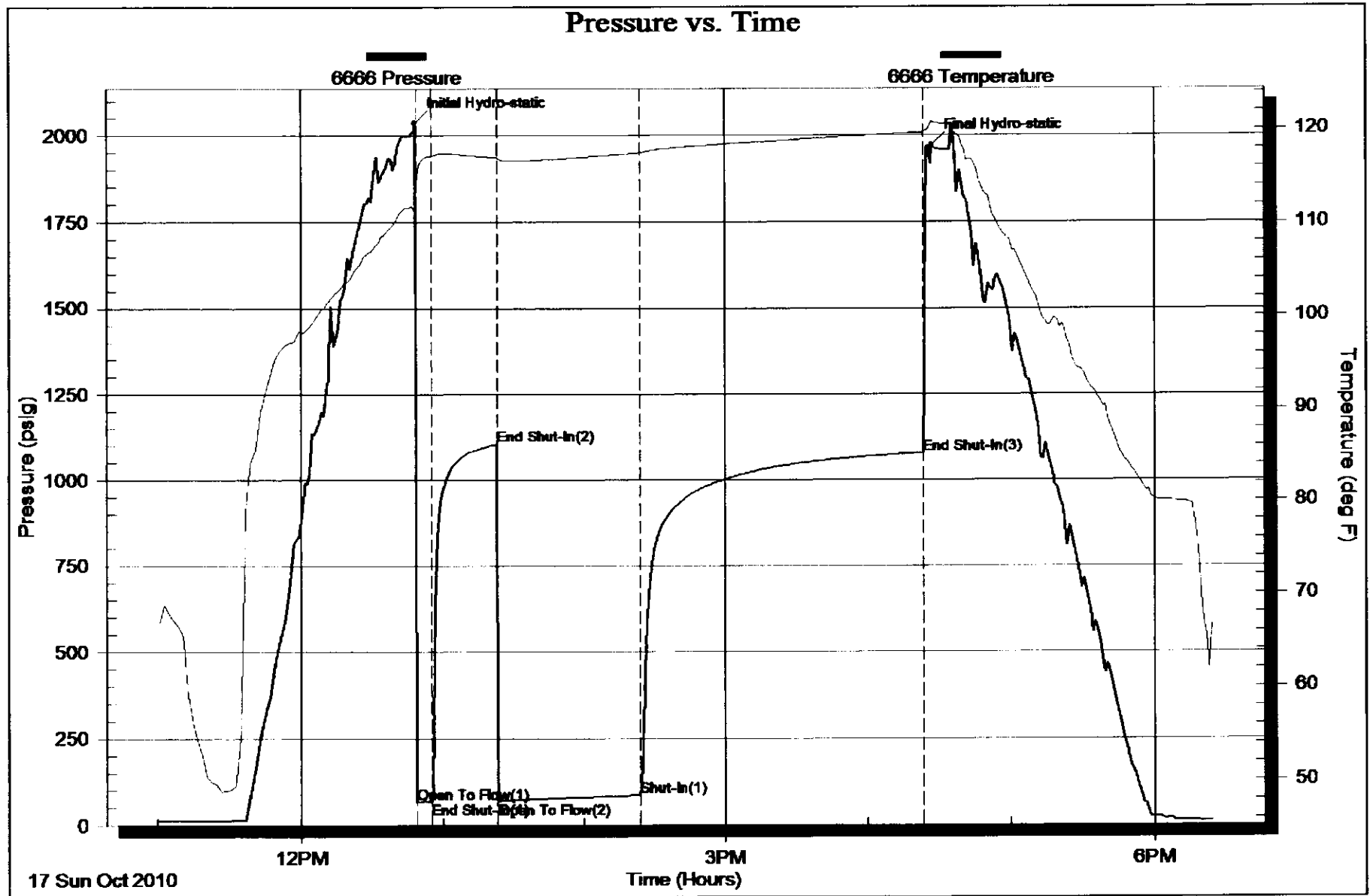
Num Gas Bombs: 0

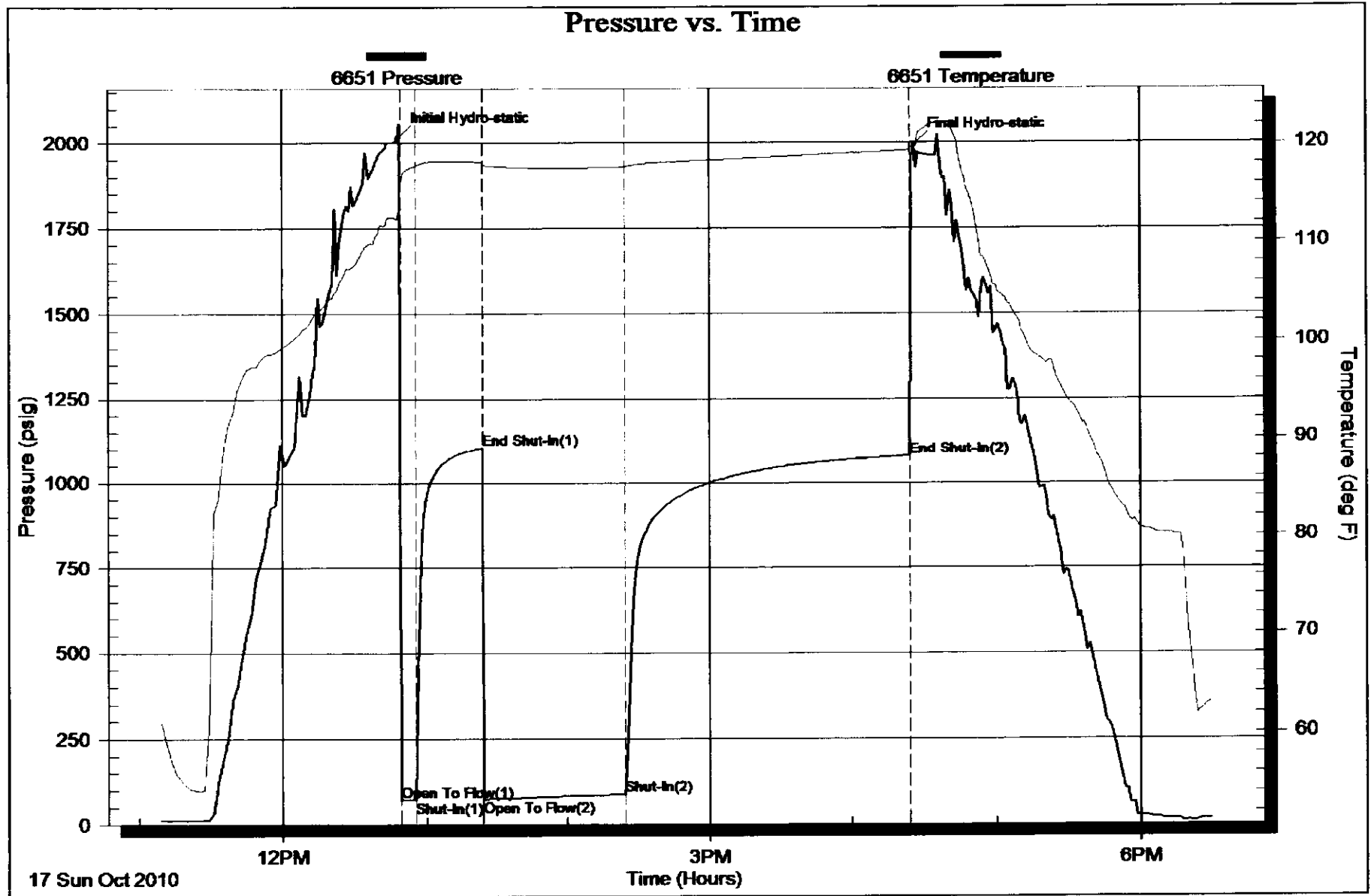
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **MULL DRILLING COMPANY INC.**

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

ATTN: KEVIN KESSLER

6-19S-28W LANE

HINEMAN TRUST 1-6

Start Date: 2010.10.18 @ 11:00:00

End Date: 2010.10.18 @ 20:17:00

Job Ticket #: 1039 DST #: 2

Eagle Testers LLC.

P.O.Box 1011, Great Bend, KS 67530

620-617-7548

Printed: 2010.10.18 @ 12:04:12



DRILL STEM TEST REPORT

MULL DRILLING COMPANY INC.

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

ATTN: KEVIN KESSLER

HINEMAN TRUST 1-6

6-19S-28W LANE

Job Ticket: 1039

DST#: 2

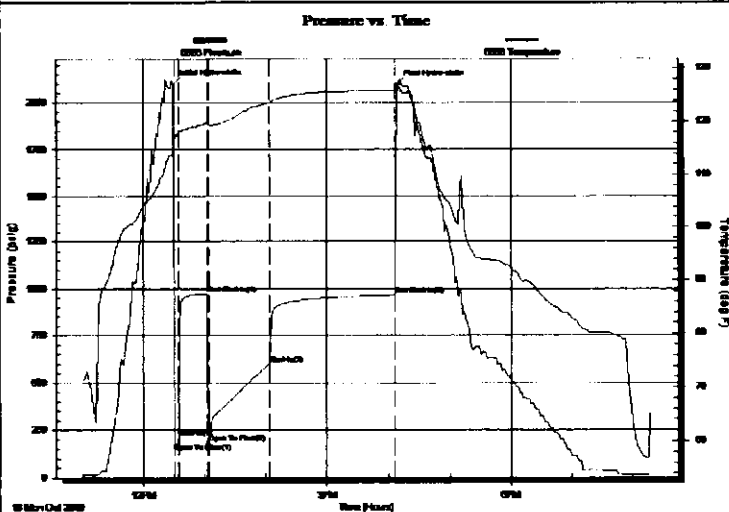
Test Start: 2010.10.18 @ 11:00:00

GENERAL INFORMATION:

Formation: **LKC -I-J-**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:30:00
 Time Test Ended: 20:17:00
 Interval: **4175.00 ft (KB) To 4245.00 ft (KB) (TVD)**
 Total Depth: 4245.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: DAVID NICHOLS
 Unit No: 15 62 MRT SCOTT CIT
 Reference Elevations: 2789.00 ft (KB)
 2781.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: **6666** Inside
 Press@RunDepth: 599.27 psig @ 4241.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2010.10.18 End Date: 2010.10.18 Last Calib.: 2010.10.18
 Start Time: 11:00:00 End Time: 20:17:00 Time On Btrm: 2010.10.18 @ 12:29:00
 Time Off Btrm: 2010.10.18 @ 16:08:30

TEST COMMENT: 5-INITIAL OPENING GOOD BLOW BOTTOM BUCKET IN 3 MINS
 30-INITIAL SHUT IN WEAK BLOW BACK
 60-FINAL OPENING GOOD BLOW BOTTOM BUCKET IN 3 MINS
 120-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2099.51 | 114.81 | Initial Hydro-static |
| 1 | 138.38 | 116.34 | Open To Flow (1) |
| 6 | 208.22 | 117.92 | Shut-In(1) |
| 34 | 975.26 | 119.67 | End Shut-In(1) |
| 35 | 228.00 | 119.45 | Open To Flow (2) |
| 95 | 599.27 | 123.61 | Shut-In(2) |
| 218 | 965.87 | 125.83 | End Shut-In(2) |
| 220 | 2095.12 | 126.31 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------------|--------------|
| 480.00 | GASSY OIL CUT MUD | 7.02 |
| 0.00 | 10%GAS 50%OIL 40%MUD | 0.00 |
| 300.00 | GASSY OIL TRACE OF WATER | 4.39 |
| 0.00 | 35%GAS 55%OIL 10%WATER | 0.00 |
| 450.00 | WATER CUT GASSY OIL | 6.58 |
| 0.00 | 30%WATER 35%GAS 35%OIL | 0.00 |

Gas Rates

| Choke (Inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



DRILL STEM TEST REPORT

MULL DRILLING COMPANY INC.

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

ATTN: KEVIN KESSLER

HINEMAN TRUST 1-6

6-19S-28W LANE

Job Ticket: 1039

DST#: 2

Test Start: 2010.10.18 @ 11:00:00

GENERAL INFORMATION:

Formation: **LKC -I-J-**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:30:00

Time Test Ended: 20:17:00

Interval: **4175.00 ft (KB) To 4245.00 ft (KB) (TVD)**

Total Depth: 4245.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 15 62 MRT SCOTT QT

Reference Elevations: 2789.00 ft (KB)

2781.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6651

Outside

Press@RunDepth: 968.19 psig @ 4242.00 ft (KB)

Start Date: 2010.10.18

End Date: 2010.10.18

Start Time: 11:00:00

End Time: 20:18:00

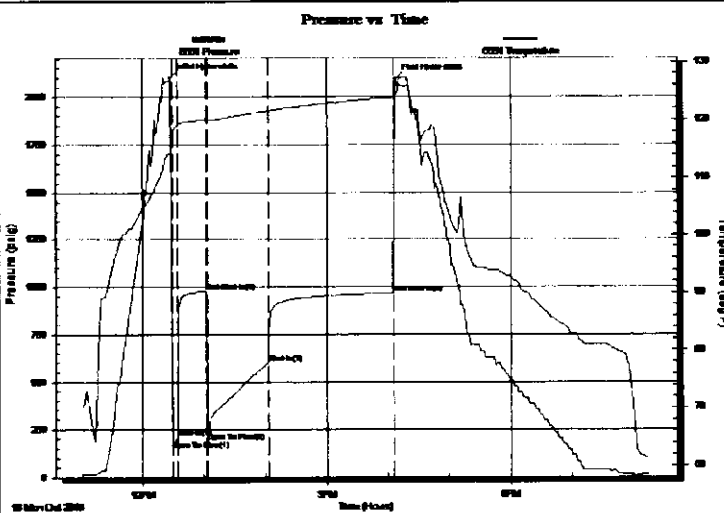
Capacity: 5000.00 psig

Last Calib.: 2010.10.18

Time On Btm: 2010.10.18 @ 12:27:00

Time Off Btm: 2010.10.18 @ 16:07:30

TEST COMMENT: 5-INITIAL OPENING GOOD BLOW BOTTOM BUCKET IN 3 MINS
30-INITIAL SHUT IN WEAK BLOW BACK
60-FINAL OPENING GOOD BLOW BOTTOM BUCKET IN 3 MINS
120-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

| Time (Mn.) | Pressure (psig) | Temp (deg F) | Annotation |
|------------|-----------------|--------------|----------------------|
| 0 | 2101.47 | 114.26 | Initial Hydro-static |
| 3 | 144.82 | 117.58 | Open To Flow (1) |
| 7 | 208.75 | 119.02 | Shut-In(1) |
| 36 | 977.76 | 120.11 | End Shut-In(1) |
| 36 | 233.17 | 119.93 | Open To Flow (2) |
| 96 | 599.56 | 121.50 | Shut-In(2) |
| 219 | 968.19 | 123.86 | End Shut-In(2) |
| 221 | 2093.36 | 124.25 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------------|--------------|
| 480.00 | GASSY OIL CUT MUD | 7.02 |
| 0.00 | 10%GAS 50%OIL 40%MUD | 0.00 |
| 300.00 | GASSY OIL TRACE OF WATER | 4.39 |
| 0.00 | 35%GAS 55%OIL 10%WATER | 0.00 |
| 450.00 | WATER CUT GASSY OIL | 6.58 |
| 0.00 | 30%WATER 35%GAS 35%OIL | 0.00 |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



DRILL STEM TEST REPORT

TOOL DIAGRAM

MULL DRILLING COMPANY INC.

HINEMAN TRUST 1-6

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

6-19S-28W LANE

Job Ticket: 1039

DST#: 2

ATTN: KEVIN KESSLER

Test Start: 2010.10.18 @ 11:00:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4153.00 ft | Diameter: 3.88 inches | Volume: 60.73 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 100000.0 lb |
| | | | <u>Total Volume: 60.73 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 1.00 ft | | | String Weight: Initial 55000.00 lb |
| Depth to Top Packer: | 4175.00 ft | | | Final 63000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 70.00 ft | | | |
| Tool Length: | 93.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |
| Tool Comments: | | | | |

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|------------------------------------|
| SHUT IN TOOL | 5.00 | | | 4157.00 | |
| HYD S.I. Tool | 5.00 | | | 4162.00 | |
| jars | 6.00 | | | 4168.00 | |
| safty joint | 2.00 | | | 4170.00 | |
| TRAVEL COLER | 2.00 | | | 4172.00 | |
| Packer | 3.00 | | | 4175.00 | 23.00 Bottom Of Top Packer |
| travel collar | 2.00 | | | 4177.00 | 70.00 Tool Interval |
| Packer | 3.00 | | | 4180.00 | |
| change over sub | 0.75 | | | 4180.75 | |
| drill pipe | 31.50 | | | 4212.25 | |
| change over sub | 0.75 | | | 4213.00 | |
| Perforations | 27.00 | | | 4240.00 | |
| Recorder | 1.00 | 6666 | Inside | 4241.00 | |
| Recorder | 1.00 | 6651 | Outside | 4242.00 | |
| bull plug | 3.00 | | | 4245.00 | 1000092.00 Bottom Packers & Anchor |

Total Tool Length: 93.00



DRILL STEM TEST REPORT

FLUID SUMMARY

MULL DRILLING COMPANY INC.

HINEMAN TRUST 1-6

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

6-19S-28W LANE

Job Ticket: 1039

DST#: 2

ATTN: KEVIN KESSLER

Test Start: 2010.10.18 @ 11:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 48.00 sec/qt
Water Loss: 7.20 in³
Resistivity: ohm.m
Salinity: 2800.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

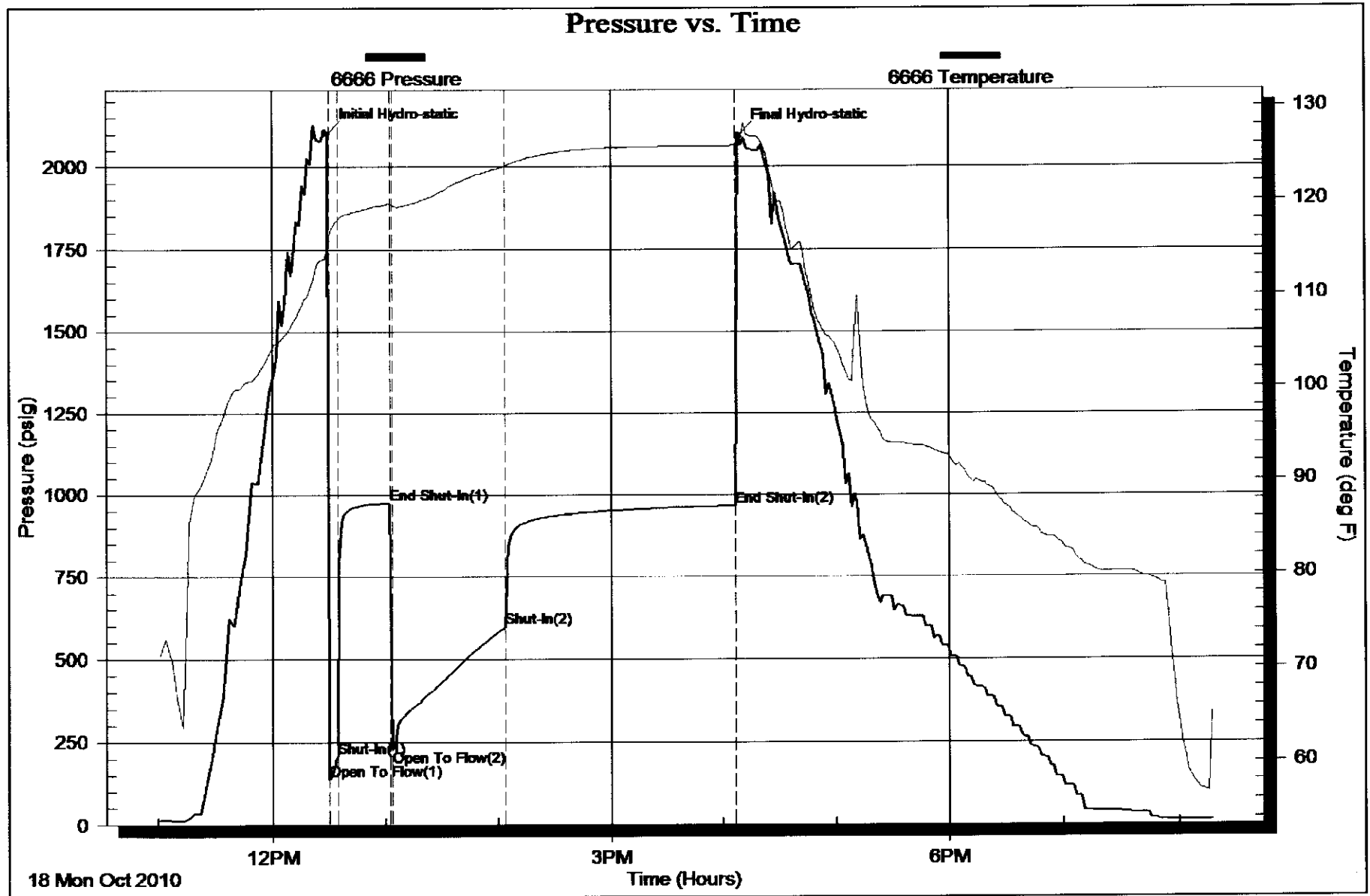
| Length ft | Description | Volume bbl |
|--------------|---------------------------|---------------|
| 480.00 | GASSY OIL CUT MUD | 7.020 |
| 0.00 | 10% GAS 50% OIL 40% MUD | 0.000 |
| 300.00 | GASSY OIL TRACE OF WATER | 4.387 |
| 0.00 | 35% GAS 55% OIL 10% WATER | 0.000 |
| 450.00 | WATER CUT GASSY OIL | 6.581 |
| 0.00 | 30% WATER 35% GAS 35% OIL | 0.000 |
| 60.00 | MUDDY WATER TRACE OF OIL | 0.877 |
| 0.00 | 15% MUD 80% WATER 5% OIL | 0.000 |

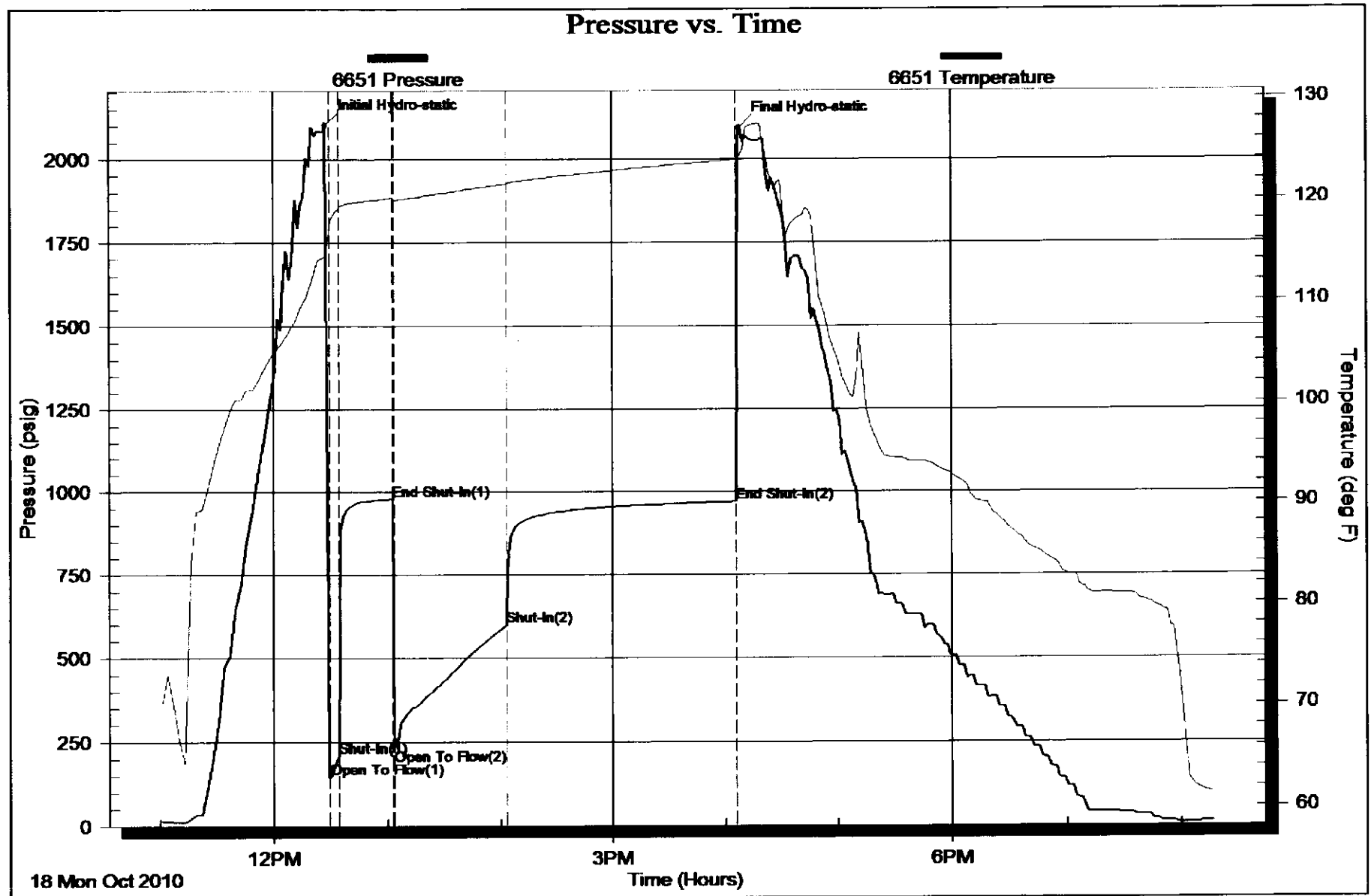
Total Length: 1290.00 ft Total Volume: 18.865 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: GRAVITY OF OIL 24 CORRECTED







DRILL STEM TEST REPORT

Prepared For: **MULL DRILLING COMPANY INC.**

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

ATTN: KEVIN KESSLER

6-19S-28W LANE

HINEMAN TRUST 1-6

Start Date: 2010.10.19 @ 05:00:00

End Date: 2010.10.19 @ 10:37:30

Job Ticket #: 1040 DST #: 3

Eagle Testers LLC.

P.O.Box 1011, Great Bend, KS 67530

620-617-7548

Printed: 2010.10.19 @ 05:48:00



DRILL STEM TEST REPORT

MULL DRILLING COMPANY INC.

HINEMAN TRUST 1-6

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

6-19S-28W LANE

Job Ticket: 1040

DST#: 3

ATTN: KEVIN KESSLER

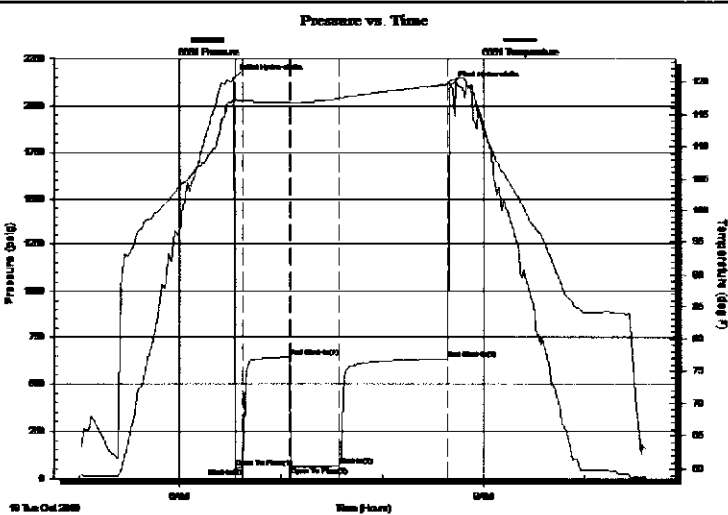
Test Start: 2010.10.19 @ 05:00:00

GENERAL INFORMATION:

Formation: **LKC -K-**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:33:00
 Time Test Ended: 10:37:30
 Interval: **4280.00 ft (KB) To 4325.00 ft (KB) (TVD)**
 Total Depth: 4325.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: DAVID NICHOLS
 Unit No: 15 62 MRT SCOTT CT
 Reference Elevations: 2789.00 ft (KB)
 2781.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6651 Outside
 Press@RunDepth: 65.86 psig @ 4322.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2010.10.19 End Date: 2010.10.19 Last Calib.: 2010.10.19
 Start Time: 05:00:00 End Time: 10:37:30 Time On Btm: 2010.10.19 @ 06:32:00
 Time Off Btm: 2010.10.19 @ 08:40:30

TEST COMMENT: 5-INITIAL OPENING SURFACE BLOW
 30-INITIAL SHUT IN NO BLOW BACK
 30-FINAL OPENING SURFACE BLOW
 60-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2142.86 | 117.55 | Initial Hydro-static |
| 1 | 57.74 | 117.29 | Open To Flow (1) |
| 5 | 57.02 | 117.00 | Shut-In(1) |
| 33 | 645.40 | 116.98 | End Shut-In(1) |
| 34 | 60.24 | 116.74 | Open To Flow (2) |
| 63 | 65.86 | 117.42 | Shut-In(2) |
| 127 | 635.91 | 119.65 | End Shut-In(2) |
| 129 | 2105.47 | 120.19 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 1.00 | OIL 100% OIL | 0.00 |
| 60.00 | MUD 100% MUD | 0.88 |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



DRILL STEM TEST REPORT

TOOL DIAGRAM

MULL DRILLING COMPANY INC.

HINEMAN TRUST 1-6

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

6-19S-28W LANE

Job Ticket: 1040

DST#: 3

ATTN: KEVIN KESSLER

Test Start: 2010.10.19 @ 05:00:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4258.00 ft | Diameter: 3.88 inches | Volume: 62.27 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 1.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 80000.00 lb |
| | | | <u>Total Volume: 62.27 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 2.00 ft | | | String Weight: Initial 56000.00 lb |
| Depth to Top Packer: | 4280.00 ft | | | Final 56000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 45.00 ft | | | |
| Tool Length: | 68.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |
| Tool Comments: | | | | |

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|------------------------------------|
| SHUT IN TOOL | 5.00 | | | 4262.00 | |
| HYD S.I. Tool | 5.00 | | | 4267.00 | |
| jars | 6.00 | | | 4273.00 | |
| safty joint | 2.00 | | | 4275.00 | |
| TRAVEL COLER | 2.00 | | | 4277.00 | |
| Packer | 3.00 | | | 4280.00 | 23.00 Bottom Of Top Packer |
| travel collar | 2.00 | | | 4282.00 | 45.00 Tool Interval |
| Packer | 3.00 | | | 4285.00 | |
| Anchor | 35.00 | | | 4320.00 | |
| Recorder | 1.00 | 6666 | Inside | 4321.00 | |
| Recorder | 1.00 | 6651 | Outside | 4322.00 | |
| BULL PLUG | 3.00 | | | 4325.00 | 1000067.00 Bottom Packers & Anchor |

Total Tool Length: 68.00



DRILL STEM TEST REPORT

FLUID SUMMARY

MULL DRILLING COMPANY INC.

HINEMAN TRUST 1-6

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

6-19S-28W LANE

Job Ticket: 1040

DST#: 3

ATTN: KEVIN KESSLER

Test Start: 2010.10.19 @ 05:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbf |
|--------------|--------------|---------------|
| 1.00 | OIL 100% OIL | 0.000 |
| 60.00 | MUD 100% MUD | 0.877 |

Total Length: 61.00 ft Total Volume: 0.877 bbf

Num Fluid Samples: 0

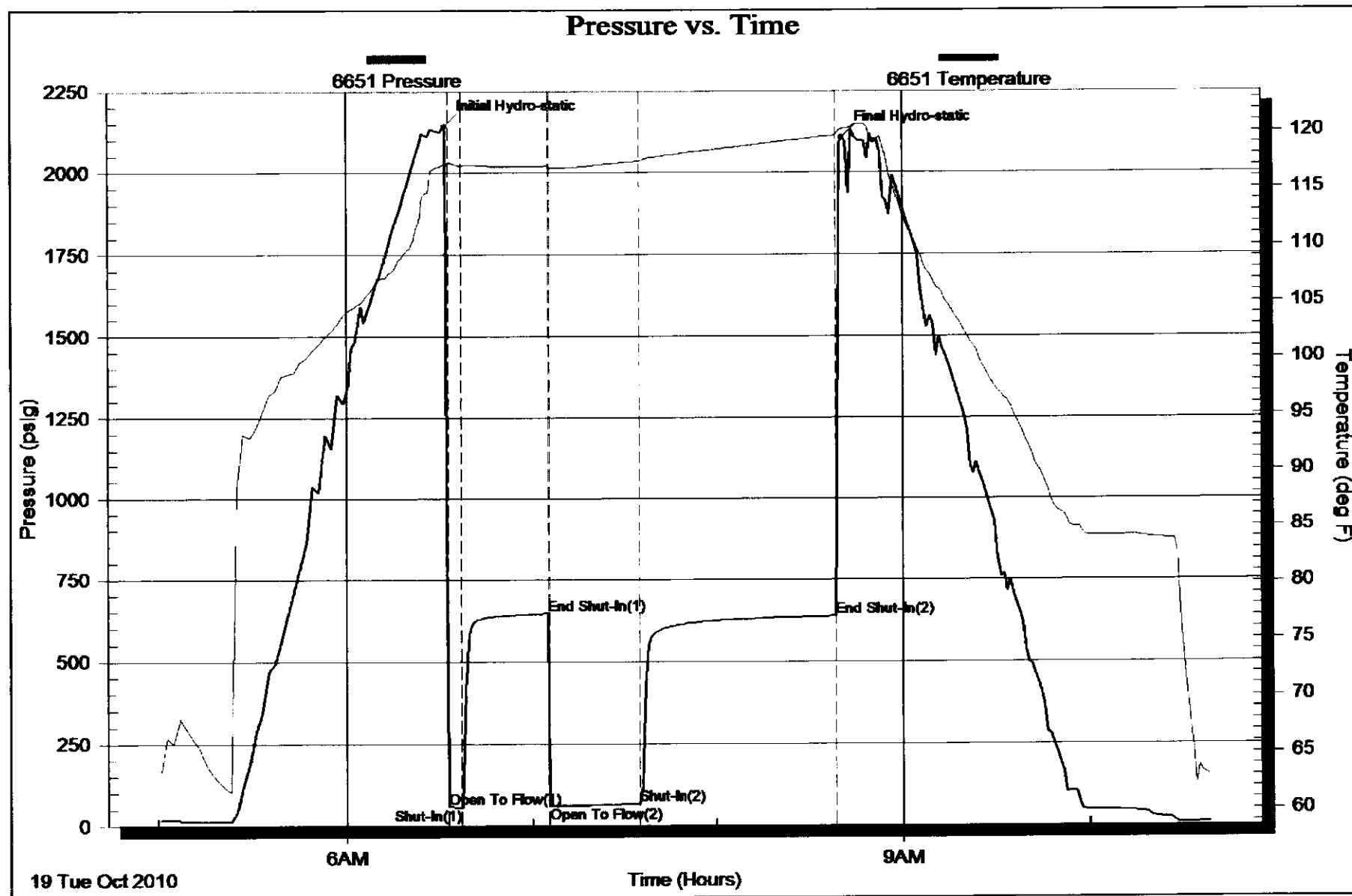
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **MULL DRILLING COMPANY INC.**

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

ATTN: KEVIN KESSLER

6-19S-28W LANE

HINEMAN TRUST 1-6

Start Date: 2010.10.20 @ 01:00:00

End Date: 2010.10.20 @ 08:25:00

Job Ticket #: 1041 DST #: 4

Eagle Testers LLC.

P.O.Box 1011, Great Bend, KS 67530

620-617-7548

Printed: 2010.10.20 @ 01:54:49



DRILL STEM TEST REPORT

MULL DRILLING COMPANY INC.

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

ATTN: KEVIN KESSLER

HINEMAN TRUST 1-6

6-19S-28W LANE

Job Ticket: 1041

DST#: 4

Test Start: 2010.10.20 @ 01:00:00

GENERAL INFORMATION:

Formation: **PLEZSANTON**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:08:30

Time Test Ended: 08:25:00

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 15 62 MRT SCOTT CIT

Interval: **4360.00 ft (KB) To 4400.00 ft (KB) (TVD)**

Total Depth: 4400.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2789.00 ft (KB)

2781.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **6666**

Inside

Press@RunDepth: 71.44 psig @ 4396.00 ft (KB)

Start Date: 2010.10.20

End Date:

2010.10.20

Start Time: 01:00:00

End Time:

08:25:00

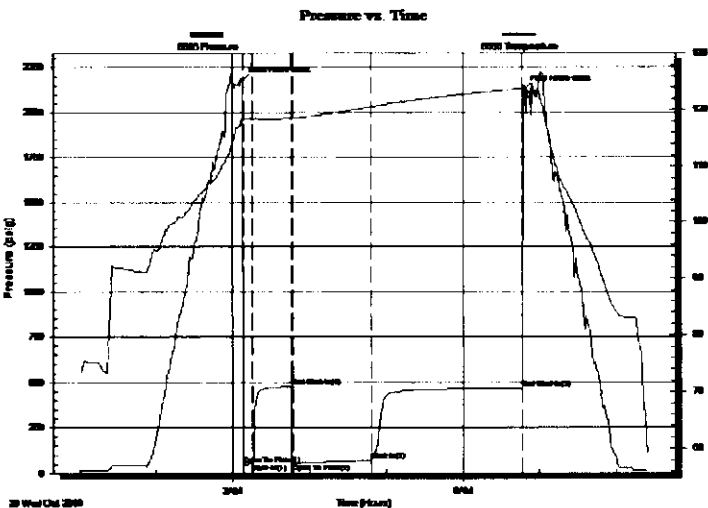
Capacity: 5000.00 psig

Last Calib.: 2010.10.20

Time On Btm: 2010.10.20 @ 03:08:00

Time Off Btm: 2010.10.20 @ 06:48:00

TEST COMMENT: 5-INITIAL OPENING WEAK BLOW BUILT TO 1 INCHES INTO WATER
30-INITIAL SHUT IN NO BLOW BACK
60-FINAL OPENING WEAK BLOW BUILT TO 3 INCHES INTO WATER
120-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2175.19 | 118.86 | Initial Hydro-static |
| 1 | 49.41 | 118.30 | Open To Flow (1) |
| 8 | 52.47 | 118.35 | Shut-In(1) |
| 38 | 476.30 | 118.51 | End Shut-In(1) |
| 39 | 54.35 | 118.45 | Open To Flow (2) |
| 100 | 71.44 | 120.49 | Shut-In(2) |
| 219 | 466.35 | 123.77 | End Shut-In(2) |
| 220 | 2123.85 | 124.28 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------------------|--------------|
| 55.00 | MUD GODD SHOW OF OIL 95%M5%OIL | 0.80 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (Inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



DRILL STEM TEST REPORT

MULL DRILLING COMPANY INC.

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

ATTN: KEVIN KESSLER

HINEMAN TRUST 1-6

6-19S-28W LANE

Job Ticket: 1041

DST#: 4

Test Start: 2010.10.20 @ 01:00:00

GENERAL INFORMATION:

Formation: **PLEZSANTON**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:08:30

Time Test Ended: 08:25:00

Interval: **4360.00 ft (KB) To 4400.00 ft (KB) (TVD)**

Total Depth: 4400.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 15 62 MRT SCOTT CT

Reference Elevations: 2789.00 ft (KB)

2781.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6651

Outside

Press@RunDepth: 472.17 psig @ 4397.00 ft (KB)

Start Date: 2010.10.20

End Date: 2010.10.20

Start Time: 01:00:00

End Time: 08:30:30

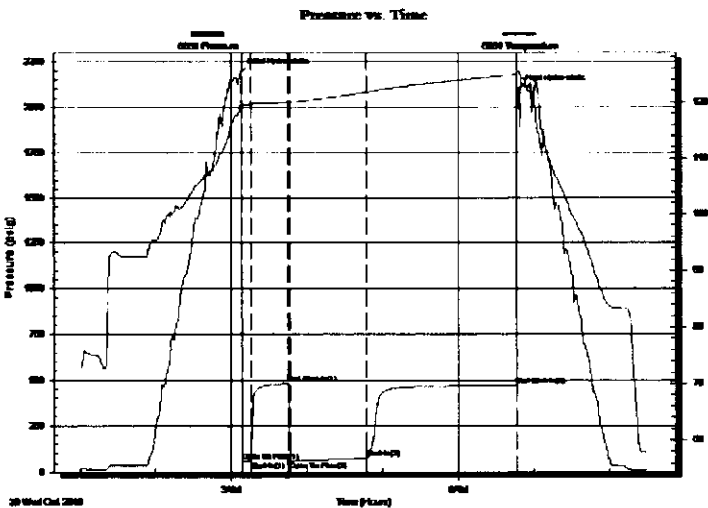
Capacity: 5000.00 psig

Last Calib.: 2010.10.20

Time On Btm: 2010.10.20 @ 03:08:00

Time Off Btm: 2010.10.20 @ 06:48:00

TEST COMMENT: 5-INITIAL OPENING WEAK BLOW BUILT TO 1 INCHES INTO WATER
30-INITIAL SHUT IN NO BLOW BACK
60-FINAL OPENING WEAK BLOW BUILT TO 3 INCHES INTO WATER
120-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2190.22 | 119.96 | Initial Hydro-static |
| 1 | 55.88 | 119.60 | Open To Flow (1) |
| 8 | 59.30 | 119.63 | Shut-In(1) |
| 38 | 479.57 | 120.01 | End Shut-In(1) |
| 39 | 59.74 | 119.91 | Open To Flow (2) |
| 100 | 75.28 | 121.73 | Shut-In(2) |
| 218 | 472.17 | 124.84 | End Shut-In(2) |
| 220 | 2097.50 | 125.43 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------------------|--------------|
| 55.00 | MUD GODD SHOW OF OIL 95%M5%OIL | 0.80 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



DRILL STEM TEST REPORT

TOOL DIAGRAM

MULL DRILLING COMPANY INC.

HINEMAN TRUST 1-6

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

6-19S-28W LANE

Job Ticket: 1041

DST#: 4

ATTN: KEVIN KESSLER

Test Start: 2010.10.20 @ 01:00:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4338.00 ft | Diameter: 3.88 inches | Volume: 63.44 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 85000.00 lb |
| | | | <u>Total Volume: 63.44 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 1.00 ft | | | String Weight: Initial 56000.00 lb |
| Depth to Top Packer: | 4360.00 ft | | | Final 56000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 40.00 ft | | | |
| Tool Length: | 63.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|------------------------------------|
| SHUT IN TOOL | 5.00 | | | 4342.00 | |
| HYD S.I. Tool | 5.00 | | | 4347.00 | |
| jars | 6.00 | | | 4353.00 | |
| safty joint | 2.00 | | | 4355.00 | |
| TRAVEL COLER | 2.00 | | | 4357.00 | |
| Packer | 3.00 | | | 4360.00 | 23.00 Bottom Of Top Packer |
| travel collar | 2.00 | | | 4362.00 | 40.00 Tool Interval |
| Packer | 3.00 | | | 4365.00 | |
| Anchor | 30.00 | | | 4395.00 | |
| Recorder | 1.00 | 6666 | Inside | 4396.00 | |
| Recorder | 1.00 | 6651 | Outside | 4397.00 | |
| BULL PLUG | 3.00 | | | 4400.00 | 1000062.00 Bottom Packers & Anchor |

Total Tool Length: 63.00



DRILL STEM TEST REPORT

FLUID SUMMARY

MULL DRILLING COMPANY INC.
1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

ATTN: KEVIN KESSLER

HINEMAN TRUST 1-6
6-19S-28W LANE
Job Ticket: 1041 **DST#: 4**
Test Start: 2010.10.20 @ 01:00:00

Mud and Cushion Information

| | | | |
|----------------------------------|----------------------------|-----------------|---------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: | deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: | ppm |
| Viscosity: 52.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 7.20 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 4100.00 ppm | | | |
| Filter Cake: inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------------------------|---------------|
| 55.00 | MUD GODD SHOW OF OIL 95%M5%OIL | 0.804 |

Total Length: 55.00 ft Total Volume: 0.804 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

DST Test Number: 4

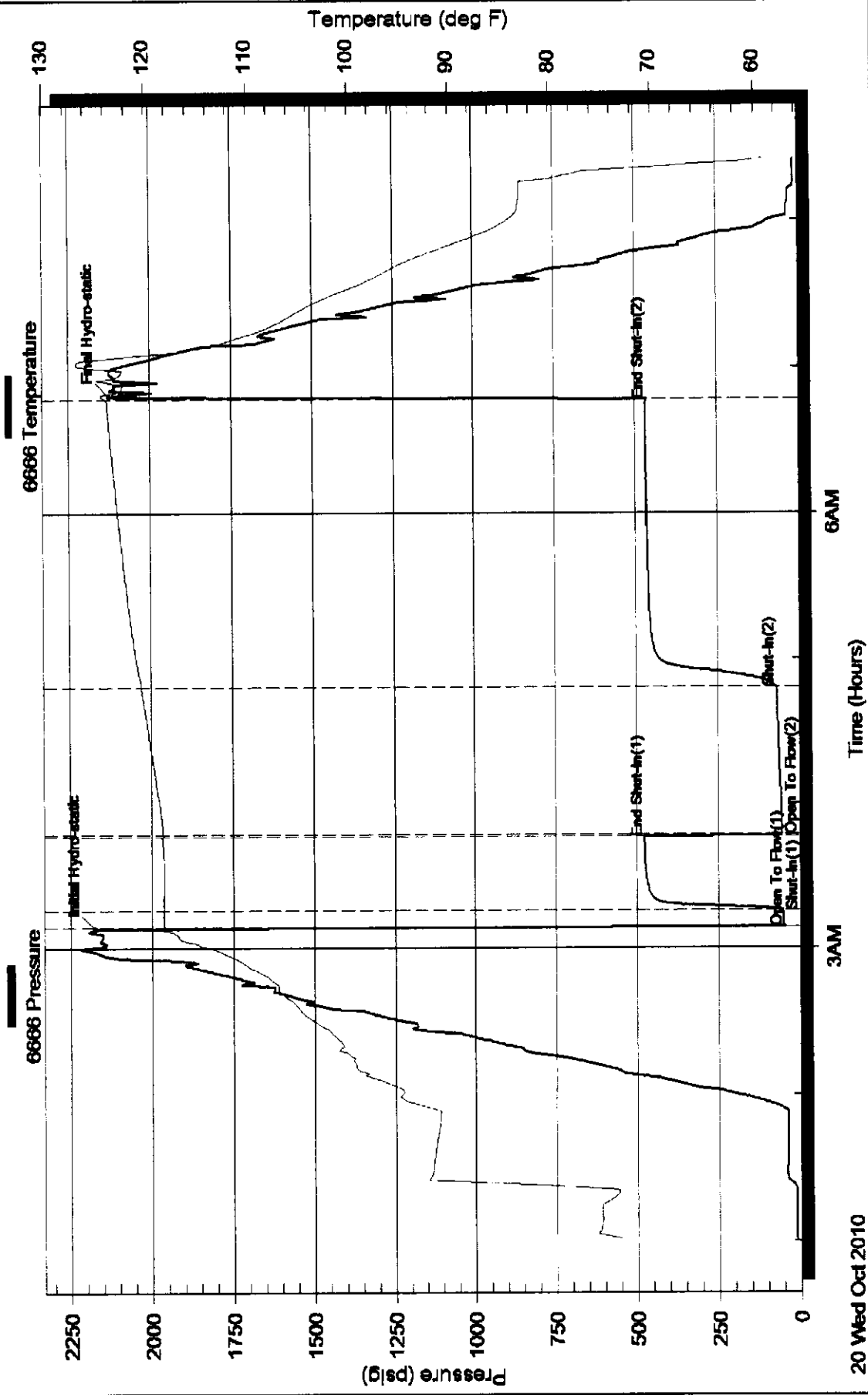
6-19S-28W LANE

MULL DRILLING COMPANY INC.

Inside

Serial #: 6666

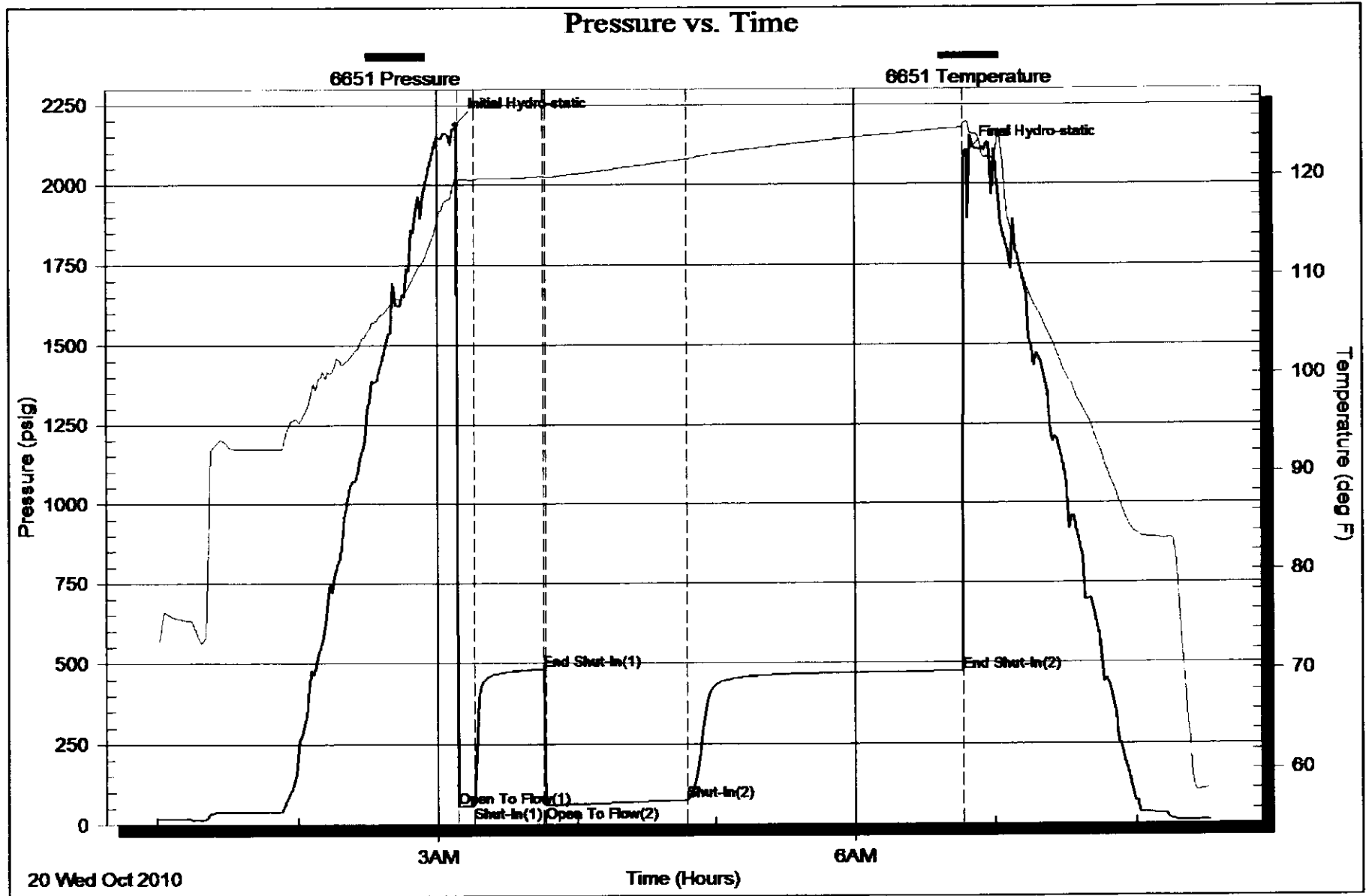
Pressure vs. Time



Printed: 2010.10.20 @ 01:54:50

Ref. No: 1041

Eagle Testers LLC.





DRILL STEM TEST REPORT

Prepared For: **MULL DRILLING COMPANY INC.**

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

ATTN: KEVIN KESSLER

6-19S-28W LANE

HINEMAN TRUST 1-6

Start Date: 2010.10.20 @ 21:00:00

End Date: 2010.10.21 @ 02:34:00

Job Ticket #: 1042 DST #: 5

Eagle Testers LLC.

P.O.Box 1011, Great Bend, KS 67530

620-617-7548

Printed: 2010.10.20 @ 21:50:38



DRILL STEM TEST REPORT

MULL DRILLING COMPANY INC.

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

ATTN: KEVIN KESSLER

HINEMAN TRUST 1-6

6-19S-28W LANE

Job Ticket: 1042

DST#: 5

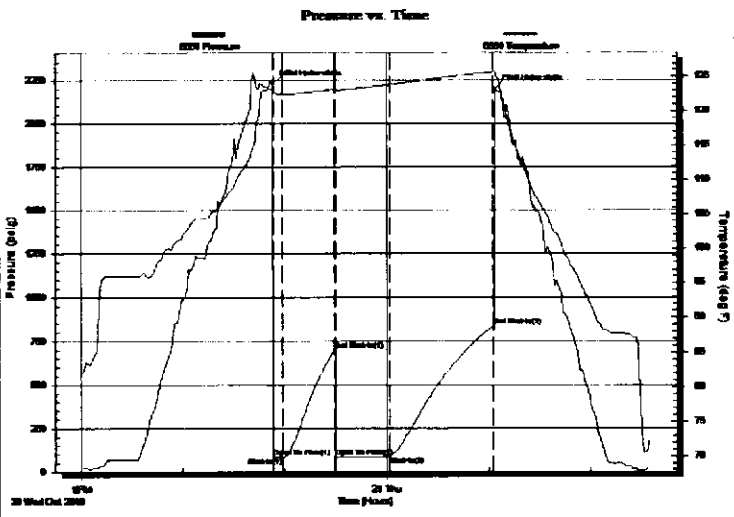
Test Start: 2010.10.20 @ 21:00:00

GENERAL INFORMATION:

Formation: **MARM**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:53:30
 Time Test Ended: 02:34:00
 Interval: **4400.00 ft (KB) To 4500.00 ft (KB) (TVD)**
 Total Depth: 4500.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: DAVID NICHOLS
 Unit No: 15 62 M SCOTT CITY
 Reference Elevations: 2789.00 ft (KB)
 2781.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: **6651** Inside
 Press@RunDepth: 91.60 psig @ 4496.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2010.10.20 End Date: 2010.10.21 Last Calib.: 2010.10.20
 Start Time: 21:00:00 End Time: 02:34:00 Time On Btmr: 2010.10.20 @ 22:53:00
 Time Off Btmr: 2010.10.21 @ 01:03:30

TEST COMMENT: 5-INITIAL OPENING SURFACE BLOW
 30-INITIAL SHUT IN NO BLOW BACK
 30-FINAL OPENING NO BLOW
 60-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2227.49 | 123.25 | Initial Hydro-static |
| 1 | 85.59 | 122.64 | Open To Flow (1) |
| 6 | 83.96 | 122.49 | Shut-In(1) |
| 36 | 697.36 | 123.18 | End Shut-In(1) |
| 37 | 85.55 | 123.03 | Open To Flow (2) |
| 69 | 91.60 | 123.83 | Shut-In(2) |
| 129 | 833.86 | 125.71 | End Shut-In(2) |
| 131 | 2198.85 | 125.80 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 5.00 | MUD 100%MUD | 0.07 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (Inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



DRILL STEM TEST REPORT

TOOL DIAGRAM

MULL DRILLING COMPANY INC.

HINEMAN TRUST 1-6

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

6-19S-28W LANE

Job Ticket: 1042

DST#: 5

ATTN: KEVIN KESSLER

Test Start: 2010.10.20 @ 21:00:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4378.00 ft | Diameter: 3.88 inches | Volume: 64.02 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 70000.00 lb |
| | | | <u>Total Volume: 64.02 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 1.00 ft | | | String Weight: Initial 58000.00 lb |
| Depth to Top Packer: | 4400.00 ft | | | Final 58000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 100.00 ft | | | |
| Tool Length: | 123.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|------------------------------------|
| SHUT IN TOOL | 5.00 | | | 4382.00 | |
| HYD S.I. Tool | 5.00 | | | 4387.00 | |
| jars | 6.00 | | | 4393.00 | |
| safty joint | 2.00 | | | 4395.00 | |
| TRAVEL COLER | 2.00 | | | 4397.00 | |
| Packer | 3.00 | | | 4400.00 | 23.00 Bottom Of Top Packer |
| travel collar | 2.00 | | | 4402.00 | 100.00 Tool Interval |
| Packer | 3.00 | | | 4405.00 | |
| change over sub | 0.75 | | | 4405.75 | |
| drill pipe | 62.50 | | | 4468.25 | |
| change over sub | 0.75 | | | 4469.00 | |
| Perforations | 26.00 | | | 4495.00 | |
| Recorder | 1.00 | 6651 | Inside | 4496.00 | |
| Recorder | 1.00 | | Outside | 4497.00 | |
| bull plug | 3.00 | | | 4500.00 | 1000122.00 Bottom Packers & Anchor |

Total Tool Length: 123.00



DRILL STEM TEST REPORT

FLUID SUMMARY

MULL DRILLING COMPANY INC.
1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206
ATTN: KEVIN KESSLER

HINEMAN TRUST 1-6
6-19S-28W LANE
Job Ticket: 1042 **DST#: 5**
Test Start: 2010.10.20 @ 21:00:00

Mud and Cushion Information

| | | | |
|----------------------------------|----------------------------|-----------------|---------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: | deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: | ppm |
| Viscosity: 52.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 7.20 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 4100.00 ppm | | | |
| Filter Cake: inches | | | |

Recovery Information

Recovery Table

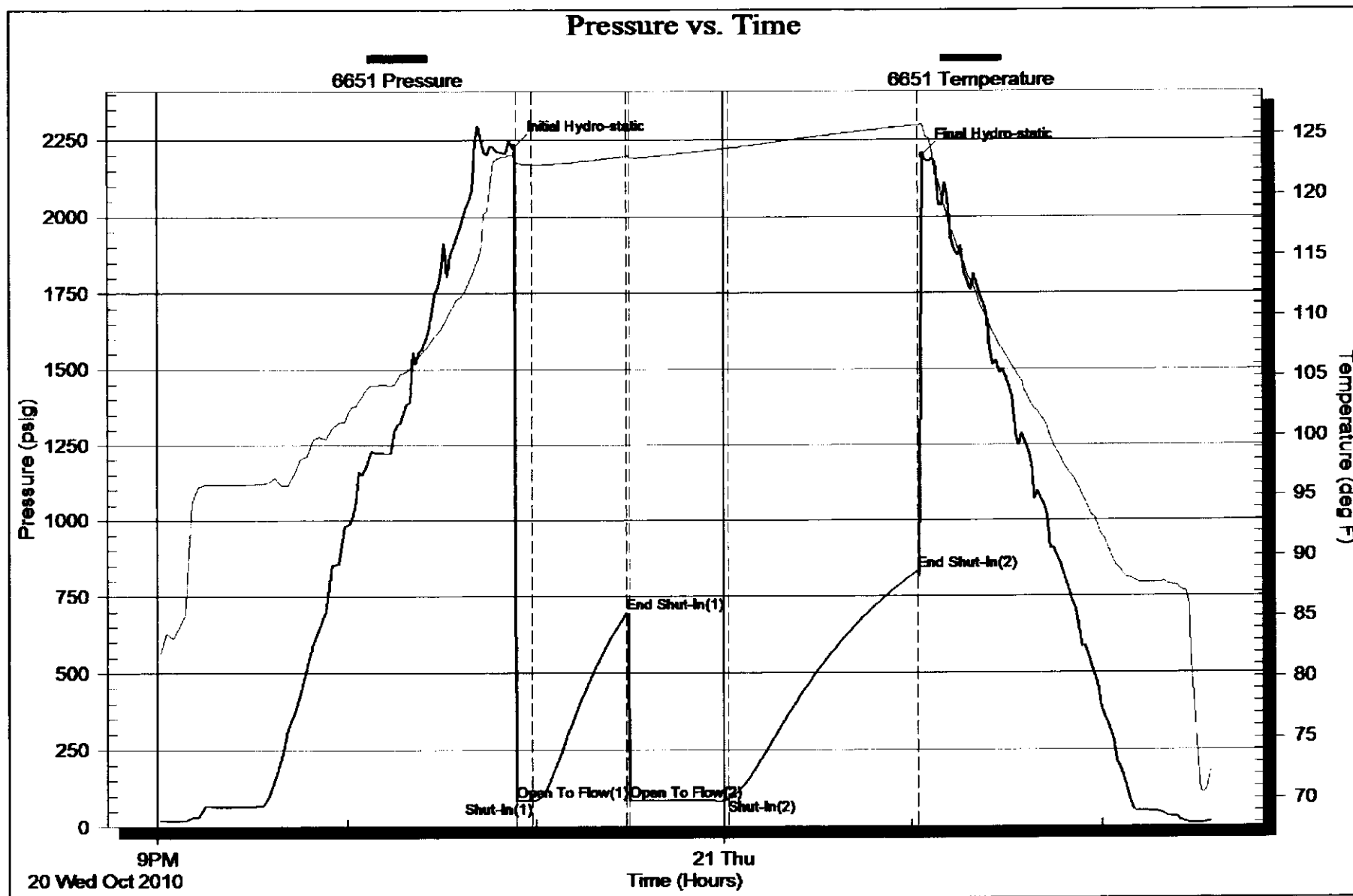
| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 5.00 | MUD 100%MUD | 0.073 |

Total Length: 5.00 ft Total Volume: 0.073 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **MULL DRILLING COMPANY INC.**

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

ATTN: KEVIN KESSLER

6-19S-28W LANE

HINEMAN TRUST 1-6

Start Date: 2010.10.21 @ 22:00:00

End Date: 2010.10.22 @ 04:36:30

Job Ticket #: 1043 DST #: 6

Eagle Testers LLC.

P.O.Box 1011, Great Bend, KS 67530

620-617-7548

Printed: 2010.10.21 @ 22:04:58



DRILL STEM TEST REPORT

MULL DRILLING COMPANY INC.

HINEMAN TRUST 1-6

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

6-19S-28W LANE

Job Ticket: 1043

DST#: 6

ATTN: KEVIN KESSLER

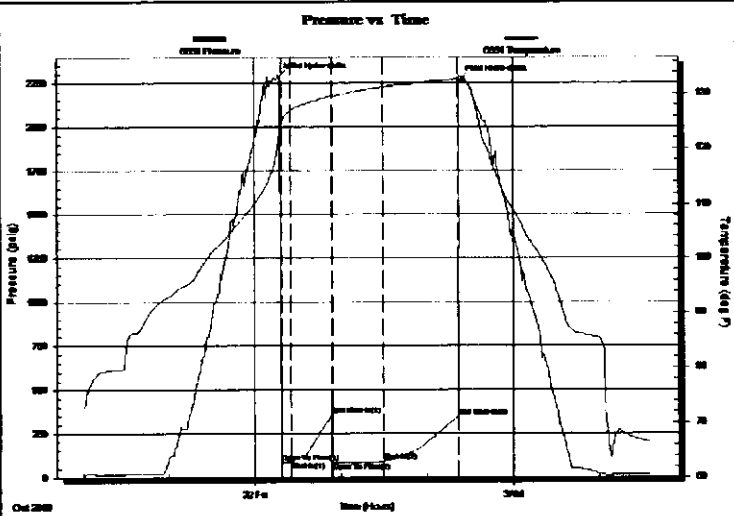
Test Start: 2010.10.21 @ 22:00:00

GENERAL INFORMATION:

Formation: **FT SCOTT CHER**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:19:00
 Time Test Ended: 04:36:30
 Interval: **4530.00 ft (KB) To 4630.00 ft (KB) (TVD)**
 Total Depth: 4630.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: DAVID NICHOLS
 Unit No: 15 62 MRT SCOTT QT
 Reference Elevations: 2789.00 ft (KB)
 2781.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: **6651** Inside
 Press@RunDepth: 89.78 psig @ 4626.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2010.10.21 End Date: 2010.10.22 Last Calb.: 2010.10.21
 Start Time: 22:00:00 End Time: 04:36:30 Time On Btm: 2010.10.22 @ 00:17:00
 Time Off Btm: 2010.10.22 @ 02:23:00

TEST COMMENT: 5-INITIAL OPENING SURFACE BLOW
 30-INITIAL SHUT IN NO BLOW BACK
 30-FINAL OPENING VERY WEAK SURFACE BLOW DIED AFTER 15 MINS
 60-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2283.99 | 121.39 | Initial Hydro-static |
| 2 | 86.36 | 124.73 | Open To Flow (1) |
| 8 | 87.42 | 126.98 | Shut-in(1) |
| 37 | 355.52 | 129.66 | End Shut-in(1) |
| 38 | 86.46 | 129.62 | Open To Flow (2) |
| 73 | 89.78 | 131.25 | Shut-in(2) |
| 125 | 344.04 | 132.71 | End Shut-in(2) |
| 126 | 2263.55 | 133.32 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 5.00 | MUD 100%MUD | 0.07 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



DRILL STEM TEST REPORT

TOOL DIAGRAM

MULL DRILLING COMPANY INC.

HINEMAN TRUST 1-6

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

6-19S-28W LANE

Job Ticket: 1043

DST#: 6

ATTN: KEVIN KESSLER

Test Start: 2010.10.21 @ 22:00:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4507.00 ft | Diameter: 3.88 inches | Volume: 65.91 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 80000.00 lb |
| | | | <u>Total Volume: 65.91 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 0.00 ft | | | String Weight: Initial 60000.00 lb |
| Depth to Top Packer: | 4530.00 ft | | | Final 60000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 100.00 ft | | | |
| Tool Length: | 123.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|------------------------------------|
| SHUT IN TOOL | 5.00 | | | 4512.00 | |
| HYD S.I. Tool | 5.00 | | | 4517.00 | |
| jars | 6.00 | | | 4523.00 | |
| safty joint | 2.00 | | | 4525.00 | |
| TRAVEL COLER | 2.00 | | | 4527.00 | |
| Packer | 3.00 | | | 4530.00 | 23.00 Bottom Of Top Packer |
| travel collar | 2.00 | | | 4532.00 | 100.00 Tool Interval |
| Packer | 3.00 | | | 4535.00 | |
| change over sub | 0.75 | | | 4535.75 | |
| drill pipe | 62.50 | | | 4598.25 | |
| change over sub | 0.75 | | | 4599.00 | |
| Perforations | 26.00 | | | 4625.00 | |
| Recorder | 1.00 | 6651 | Inside | 4626.00 | |
| Recorder | 1.00 | | Outside | 4627.00 | |
| bull plug | 3.00 | | | 4630.00 | 1000122.00 Bottom Packers & Anchor |

Total Tool Length: 123.00



DRILL STEM TEST REPORT

FLUID SUMMARY

MULL DRILLING COMPANY INC.
1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206
ATTN: KEVIN KESSLER

HINEMAN TRUST 1-6
6-19S-28W LANE
Job Ticket: 1043 DST#: 6
Test Start: 2010.10.21 @ 22:00:00

Mud and Cushion Information

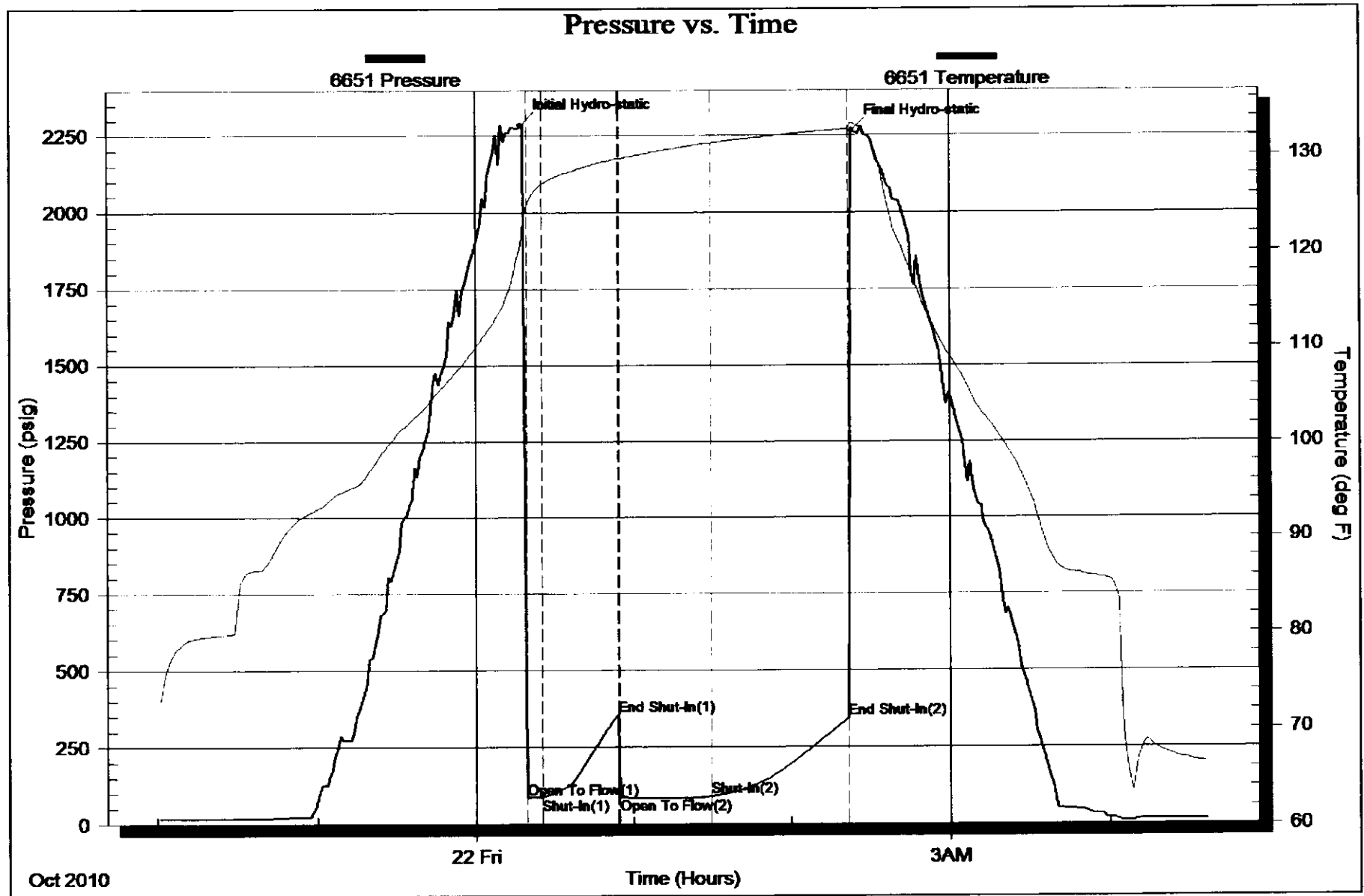
| | | | |
|----------------------------------|----------------------------|-----------------|---------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: | deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: | ppm |
| Viscosity: 48.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 7.20 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 3000.00 ppm | | | |
| Filter Cake: inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 5.00 | MUD 100%MUD | 0.073 |

Total Length: 5.00 ft Total Volume: 0.073 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:





*Mark Parkinson, Governor
Thomas E. Wright, Chairman
Joseph F. Harkins, Commissioner
Ward Loyd, Commissioner*

January 05, 2011

Mark Shreve
Mull Drilling Company, Inc.
1700 N WATERFRONT PKWY
BLDG 1200
WICHITA, KS 67206

Re: ACO1
API 15-101-22260-00-00
Hineman Trusts 1-6
SE/4 Sec.06-19S-28W
Lane County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Mark Shreve