



KANSAS CORPORATION COMMISSION 1125099  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

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

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

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

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

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

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

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

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

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

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

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

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

Designate Type of Completion:

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

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

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

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

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

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

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

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

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

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

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

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

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

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

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

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

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

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

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

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

Multiple Stage Cementing Collar Used?  Yes  No

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

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

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

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

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

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

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

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

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

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

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

**AFFIDAVIT**

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

Submitted Electronically

**KCC Office Use ONLY**

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



1125099

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

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

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

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

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

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

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

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

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

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

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

|           |   |
|-----------|---|
| Form      | ACO1 - Well Completion                          |
| Operator  | Neal LaFon Realty Inc. dba Meridian Energy Inc. |
| Well Name | Hamel 1-A                                       |
| Doc ID    | 1125099   |

All Electric Logs Run

|                                   |
|-----------------------------------|
|                                   |
| Microlog                          |
| Dual Induction Log                |
| Compensated Density Neutron Log   |
| Computer Generated Interpretation |

|           |   |
|-----------|---|
| Form      | ACO1 - Well Completion                          |
| Operator  | Neal LaFon Realty Inc. dba Meridian Energy Inc. |
| Well Name | Hamel 1-A                                       |
| Doc ID    | 1125099   |

Tops

| Name         | Top  | Datum |
|--------------|------|-------|
| Anhydrite    | 1603 | +615  |
| Topeka       | 3189 | -971  |
| Heebner      | 3546 | -1328 |
| Toronto      | 3416 | -1198 |
| Kansas City  | 3433 | -1208 |
| Base KC      | 3638 | -1420 |
| Conglomerate | 3658 | -1440 |
| Arbuckle     | 3740 | -1522 |

# WELL REPORT

Meridian Energy Inc. #1-A Hamel  
SW SW SW Section 33  
405' fwl x 330' fel  
T. 9 S., R. 19W.  
Rooks County, Kansas

Elevation: GL 2211 KB 2218

Results: Ran csg to evaluate the Arbuckle

Drilling Contractor: Royal Drilling, Rig 1

Logs Run: Log-Tech- Dual Induction Log/ Neutron/Density/Microlog

Wellsite Geologist: Neal LaFon- Franktown, Colorado

## FORMATION TOPS

|              |      |       |
|--------------|------|-------|
| Anhydrite    | 1603 | +615  |
| Topeka       | 3189 | - 971 |
| Heebner      | 3546 | -1328 |
| Toronto      | 3416 | -1198 |
| Kansas City  | 3433 | -1208 |
| Base KC      | 3638 | -1420 |
| Conglomerate | 3658 | -1440 |
| Arbuckle     | 3740 | -1522 |

Total Depth 3802 logger

## SAMPLE DESCRIPTIONS

### 10' SAMPLES LAGGED AND CORRELATED BACK TO LOG

|                  |           |   |  |
|------------------|-----------|---|--|
| Topeka Limestone | 3189-3210 | Ls, lt-drk gry, micro xtln, hd tt, no show  |  |
|                  | 3214-3228 | Ls, wt, chalky, soft, no show<br>Ls, gry-drk gray, crypto xtln, hd, tt no show  |  |
|                  | 3238-3250 | Ls, drk gry, arg in pt, micro xtln, hard, tt, no show   |  |
|                  | 3254-3278 | Ls, buff, f- m xtln, hd, tt, no show<br>towards base Ls, wt, dirty, shale clasts<br>Ls, wt, chalky, f xtln, dead oil stn, bitumen, NSFO |  |
|                  | 3278-3334 | Ls, wt, crypto xtln, hd, tt, no show  |  |
|                  | 3338-3352 | Ls, clear, f xtln, sucrosic, w/ spotty brn oil stn exc SFO. one grn ls, wt, f xtln, w/pinpt vug por, tr intergran por, exc SFO (Dst #1) |  |
|                  | 3354-3374 | Ls, wt-lt gry, micro xtln, hd, tt, no show (CFS 3380)   |  |
|                  | 3380-3396 | Ls, buff, f xtln, hard, tt, no show   |  |
|                  | Toronto   | 3416-3427   | Ls, wt, f xtln, pin pt vug por, tr stn, GSFO when crushed, looks tt, gd odor |

Some m xtl, foss, pinpt to large vugs, sl brn stn,  
(oil washed out), GSFO on break, fair por GSFO  
(DST #2)

- Kansas City A 3433-3450 Ls, wt, micro xtl, hd, tt, no show, one grn ls, wt, m grnstn, foss, tr oolitic, gd vug por, exc p and p, lt stn GSFO on brk (show washed out?) (DST #2)
- B 3451-3459 Ls, wt, micro xtl, tt, hd, no show Couple grns f-m grnstn, pin pt vug por, tr intergran por, titish, f stn, FSFO on brk (CFS @ 3464- DST #2)
- C 3470-3472 Ls, wt, vf xtl, some micro xtl w/scat vug por, vf pinpt vug por, brn stn, PSFO on brk, looks hard, tt, gd odor, couple grns oolitic, intergran por, lt stn NSFO. One grn w/vis por- barren (DST #3)
- D 3486-3500 Ls, m grnstn, hd, tt, no show  
Tr Ls, st, m grnstn vug por, gd stn GSFO on brk,  
por, gd odor
- E- F 3507-3521 Ls, wt, m grnstn, abun vug por, gd even blk stn, g-O, oil scum/exc odor, tr wt ppolitic, exc p and p, brk (oil washed out?), oil slick on cups, some , f xtl, pin pt vug por, poor p and p GSFO on (DST #3)
- G 3522-3552 Ls, wt, micro xtl, hd, tt, no show, few pieces , oolitic, tr w/ sl stn NSFO.
- H 3567-3578 Ls, wt, micro xtl, tt, no show,  
Couple grns Ls, a/a, w/ v gd vug por, drizzly  
cmt, stn, oil washed out?
- I 3584-3598 Ls, wt, micro xtl, hd, tt, no show, one grn Ls, wt, med grnstn, full dead bitumen, one grn with stn. PSFO
- J 3598-3614 Ls, brn, oolitic, gd-exc por, barren, tr scatt, v lt stn, but NSFO (fair amt of por is barren)
- K 3622-3638 Ls, wt, micro xtl, hd, tt, no show
- Conglomerate 3658-3662 Ls, wt, micro xtl, hd, tt, no show, shale, red, blue  
3670-3710 Chear, wt, clear, red, orange, lots w/bitumen, NSFO
- Simpson? Sand 3724-3730 Ss, clear, f grn, well sorted/rnded, some sl fri full of oil, exc SFO
- Arbuckle 3740-3770 Dolo, clear, f-m xtl, sucrosic, inter gran por w/patchy vug por, drk stn, exc odor, GSFO on brk (oil slick on cups)

Lots of Dolo, hard, cmted, no por, no stn, (approx 15% of sample w/show, rest tt)

3770-3775 Dolo, a/a, except shows are "deader", gd "oil slick" slick on cups but oil is thicker in samples, some dead tar, couple grns, vvf sucrosic, dolo, bleeding oil, GSFO on brk.

3775-3790 Dolo, a/a, pink, tt, no show (out of show) although a/a couple grns w/ live oil (float?) 1/2 dozen grns w/dd oil, zone overall is 98% barren and tt, also trace of green shale.

3790- 3800 Dolo, pink, tt, no show.

#### DRILL STEM TESTS

##### TOPEKA

Dst #1 3320-3380 OP 1 SI 30 OP 60 SI 90  
Rec 105' M  
FP 31-34 39-80  
SIP 885-843

##### TORONTO - KC B

Dst #2 3390-3464 OP 2 SI 45 OP 30 SI 30  
Rec 10' M  
FP 45-48 48-54  
SIP 976-832

##### KC B-F

Dst #3 3445-3524 OP 2 SI 45 OP 60 SI 90  
Rec 500' SOMCW (5% oil, 70% water, 25% Mud)  
FP 56-69 86-335  
SIP 942-935  
Rw .117 @ 57 degrees F. 90000 ppm chlorides

#### MUD

|      | WT  | VIS | WL  | MC   |
|------|-----|-----|-----|------|
| 3210 | 8.9 | 58  | 7.6 | 1/32 |
| 3464 | 9.0 | 60  | 8.0 | 1/32 |
| 3582 | 9.1 | 71  | 8.0 | 1/32 |

#### COMMENTS

Good shows of weak magnitude were seen at least 20 feet into the Arbuckle, down to about 3770. Most of the samples were composed of barren, tite, Arbuckle. A relatively small percentage of the samples, never more than 10-15% consisted of good Arbuckle with show. Most of the good rock with show was seen as smaller grains. I suspect the porous Arb was ground up and was not well represented in the samples. The logs indicate streaky porosity and perm and this is reflected in the samples as well.



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Meridian Energy Inc.  
 1475 Ward Dr.  
 Franktown, Co 80116  
 ATTN: Neal LaFon

**33-9-19 Rooks, Ks**

**Hamel 1-A**

Job Ticket: 49437

**DST#: 1**

Test Start: 2012.09.15 @ 20:39:28

## GENERAL INFORMATION:

Formation: **Tokepa**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:11:27

Time Test Ended: 02:22:57

Test Type: Conventional Bottom Hole (Initial)

Tester: Brian Fairbank

Unit No: 41

**Interval: 3320.00 ft (KB) To 3380.00 ft (KB) (TVD)**

Reference Elevations: 2218.00 ft (KB)

Total Depth: 3380.00 ft (KB) (TVD)

2211.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

**Serial #: 6752 Inside**

Press @ Run Depth: 80.34 psig @ 3324.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.09.15 End Date: 2012.09.16

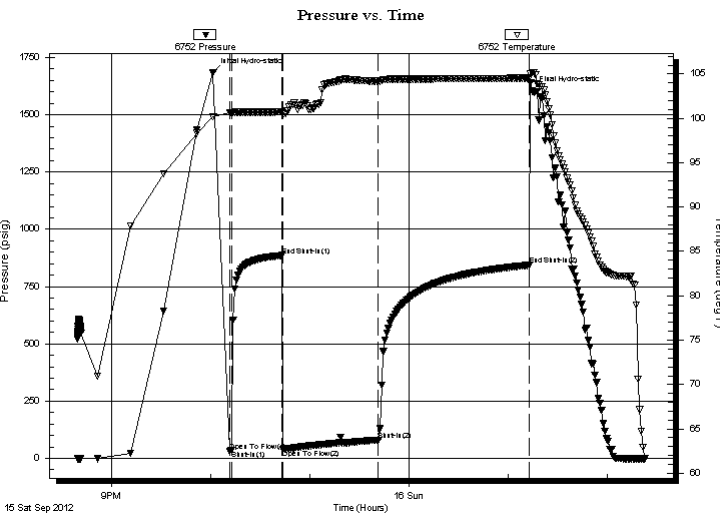
Last Calib.: 2012.09.16

Start Time: 20:39:28 End Time: 02:22:57

Time On Btm: 2012.09.15 @ 22:01:27

Time Off Btm: 2012.09.16 @ 01:14:27

**TEST COMMENT:** IFP - weak blow throughout 1/4" - 1/2"  
 ISI - no blow back  
 FFP - weak to strong blow sur - 9"  
 FSI - no blow back



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1685.19         | 100.17       | Initial Hydro-static |
| 10          | 31.57           | 100.59       | Open To Flow (1)     |
| 11          | 34.48           | 100.56       | Shut-In(1)           |
| 42          | 885.58          | 100.74       | End Shut-In(1)       |
| 42          | 39.54           | 100.61       | Open To Flow (2)     |
| 100         | 80.34           | 104.18       | Shut-In(2)           |
| 191         | 843.06          | 104.55       | End Shut-In(2)       |
| 193         | 1603.58         | 105.18       | Final Hydro-static   |

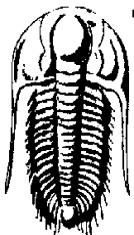
## Recovery

| Length (ft) | Description  | Volume (bbl) |
|-------------|--------------|--------------|
| 105.00      | DRL MUD 100% | 1.47         |
|             |              |              |
|             |              |              |
|             |              |              |
|             |              |              |

## Gas Rates

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





# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

Meridian Energy Inc.  
1475 Ward Dr.  
Franktown, Co 80116  
ATTN: Neal LaFon

33-9-19 Rooks, Ks

Hamel 1-A

Job Ticket: 49437

DST#: 1

Test Start: 2012.09.15 @ 20:39:28

### GENERAL INFORMATION:

Formation: **Tokepa**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:11:27

Time Test Ended: 02:22:57

Interval: **3320.00 ft (KB) To 3380.00 ft (KB) (TVD)**

Total Depth: 3380.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)

Tester: Brian Fairbank

Unit No: 41

Reference Elevations: 2218.00 ft (KB)

2211.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6741

Outside

Press @ Run Depth: psig @ 3324.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.09.15 End Date: 2012.09.16

Last Calib.: 2012.09.16

Start Time: 20:39:37 End Time: 02:23:06

Time On Btm:

Time Off Btm:

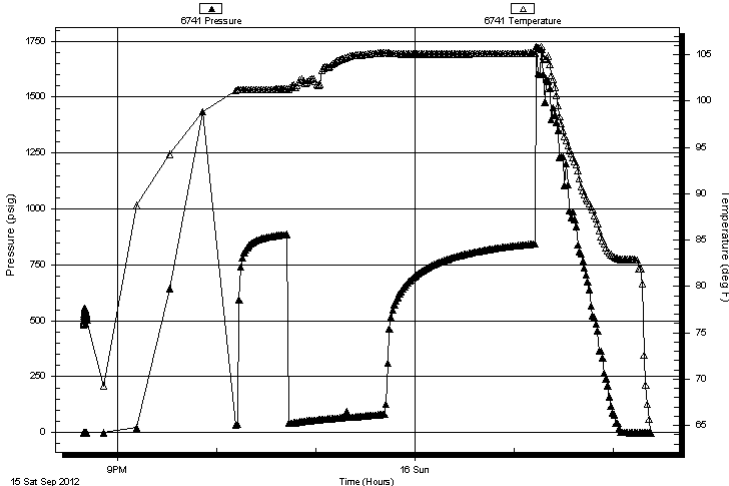
TEST COMMENT: IFP - weak blow throughout 1/4" - 1/2"

ISI - no blow back

FFP - weak to strong blow sur - 9"

FSI - no blow back

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
|-------------|-----------------|--------------|------------|

### Recovery

| Length (ft) | Description  | Volume (bbl) |
|-------------|--------------|--------------|
| 105.00      | DRL MUD 100% | 1.47         |
|             |              |              |
|             |              |              |
|             |              |              |
|             |              |              |

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Meridian Energy Inc.  
1475 Ward Dr.  
Franktown, Co 80116  
ATTN: Neal LaFon

**33-9-19 Rooks, Ks**  
**Hamel 1-A**  
Job Ticket: 49437      **DST#: 1**  
Test Start: 2012.09.15 @ 20:39:28

## Mud and Cushion Information

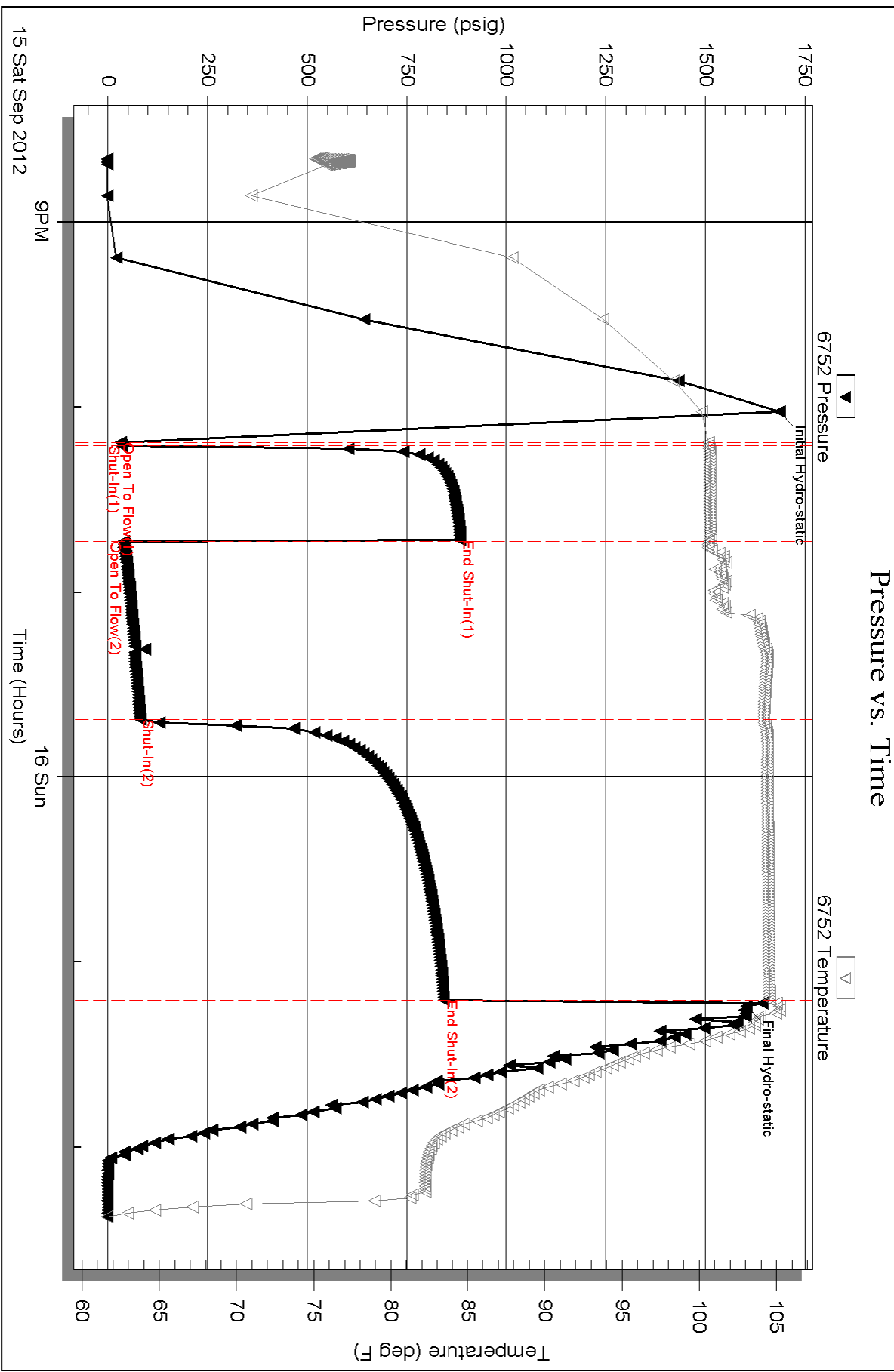
|                                  |                            |                 |         |
|----------------------------------|----------------------------|-----------------|---------|
| Mud Type: Gel Chem               | Cushion Type:              | Oil API:        | deg API |
| Mud Weight: 9.00 lb/gal          | Cushion Length: ft         | Water Salinity: | ppm     |
| Viscosity: 58.00 sec/qt          | Cushion Volume: bbl        |                 |         |
| Water Loss: 7.60 in <sup>3</sup> | Gas Cushion Type:          |                 |         |
| Resistivity: ohm.m               | Gas Cushion Pressure: psig |                 |         |
| Salinity: 1500.00 ppm            |                            |                 |         |
| Filter Cake: inches              |                            |                 |         |

## Recovery Information

Recovery Table

| Length<br>ft | Description  | Volume<br>bbl |
|--------------|--------------|---------------|
| 105.00       | DRL MUD 100% | 1.473         |

Total Length: 105.00 ft      Total Volume: 1.473 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

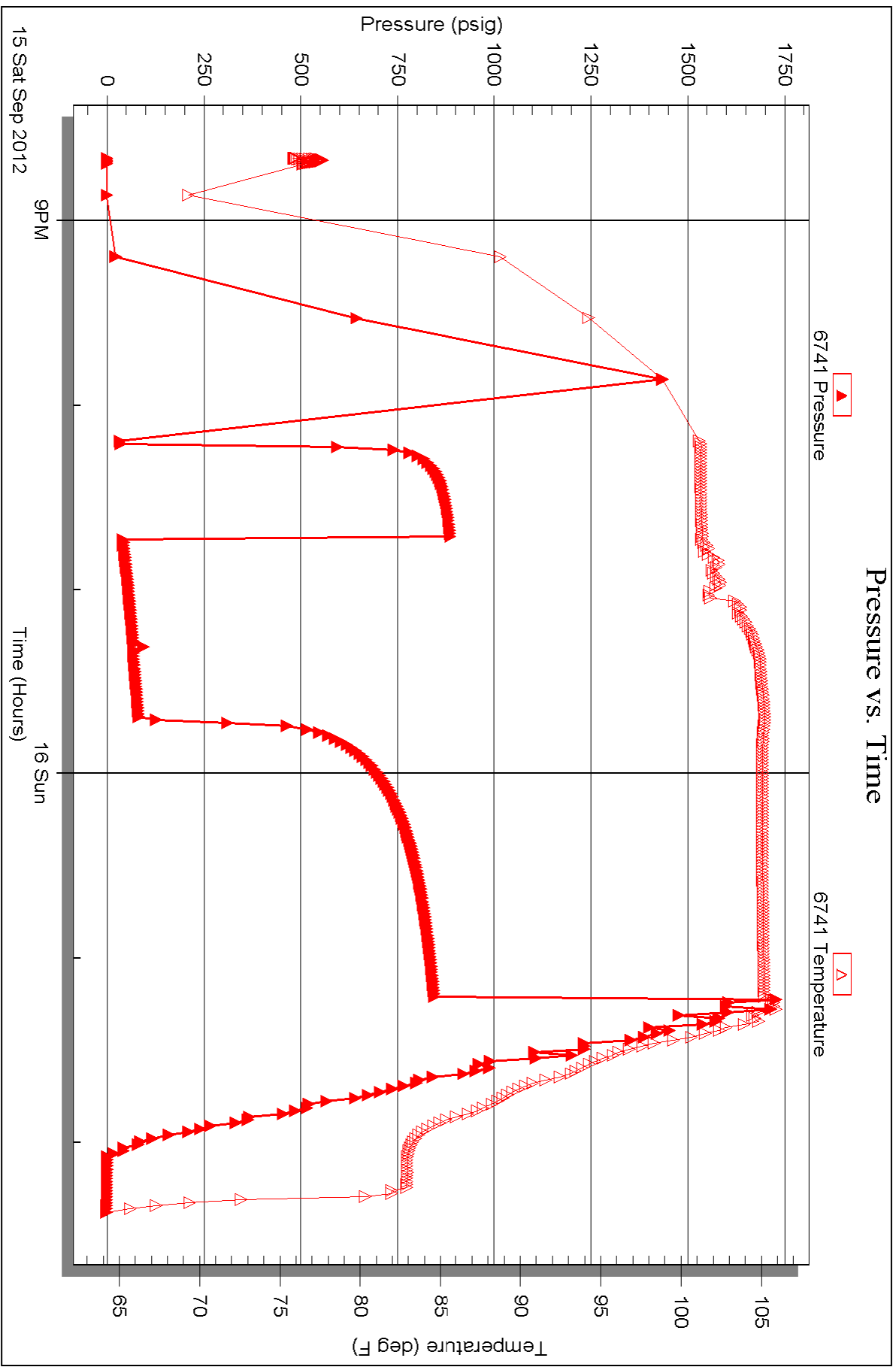


Serial #: 6741

Outside Meridian Energy Inc.

Hamel 1-A

DST Test Number: 1





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Meridian Energy Inc.  
 1475 Ward Dr.  
 Franktown, Co 80116  
 ATTN: Neal LaFon

**33-9-19 Rooks, Ks**

**Hamel 1-A**

Job Ticket: 49438

**DST#: 2**

Test Start: 2012.09.16 @ 11:34:00

## GENERAL INFORMATION:

Formation: **Tor - LKC "B"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 12:57:30  
 Time Test Ended: 16:05:00  
 Interval: **3390.00 ft (KB) To 3464.00 ft (KB) (TVD)**  
 Total Depth: 3464.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brian Fairbank  
 Unit No: 41  
 Reference Elevations: 2218.00 ft (KB)  
 2211.00 ft (CF)  
 KB to GR/CF: 7.00 ft

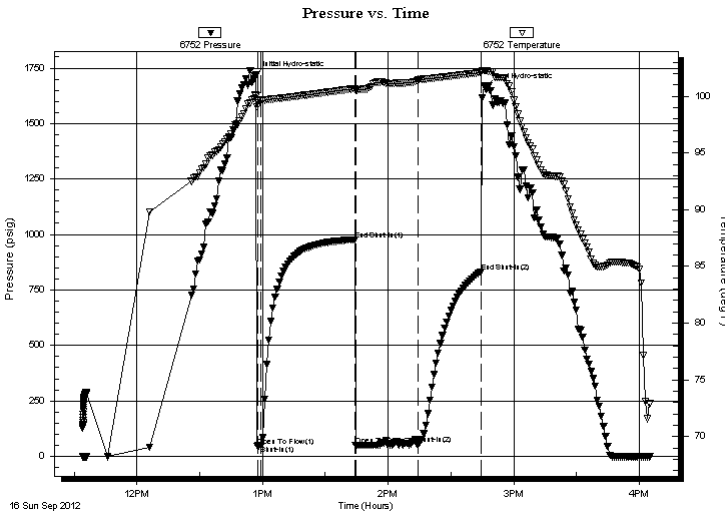
## Serial #: 6752

Inside

Press @ Run Depth: 54.52 psig @ 3395.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.09.16 End Date: 2012.09.16 Last Calib.: 2012.09.16  
 Start Time: 11:34:01 End Time: 16:05:00 Time On Btm: 2012.09.16 @ 12:56:30  
 Time Off Btm: 2012.09.16 @ 14:46:30

TEST COMMENT: IFP - 1/4" blow throughout  
 ISI - no blow back  
 FFP - no blow 26 min - dying sur blow  
 FSI - no blow back

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1717.36         | 100.12       | Initial Hydro-static |
| 1           | 45.42           | 99.07        | Open To Flow (1)     |
| 3           | 48.32           | 99.64        | Shut-In(1)           |
| 48          | 976.37          | 100.68       | End Shut-In(1)       |
| 48          | 48.68           | 100.55       | Open To Flow (2)     |
| 78          | 54.52           | 101.43       | Shut-In(2)           |
| 108         | 832.18          | 102.10       | End Shut-In(2)       |
| 110         | 1659.81         | 102.28       | Final Hydro-static   |

## Recovery

| Length (ft) | Description  | Volume (bbl) |
|-------------|--------------|--------------|
| 10.00       | DRL MUD 100% | 0.14         |
|             |              |              |
|             |              |              |
|             |              |              |
|             |              |              |

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Meridian Energy Inc.  
1475 Ward Dr.  
Franktown, Co 80116  
ATTN: Neal LaFon

**33-9-19 Rooks, Ks**  
**Hamel 1-A**  
Job Ticket: 49438      **DST#: 2**  
Test Start: 2012.09.16 @ 11:34:00

## Mud and Cushion Information

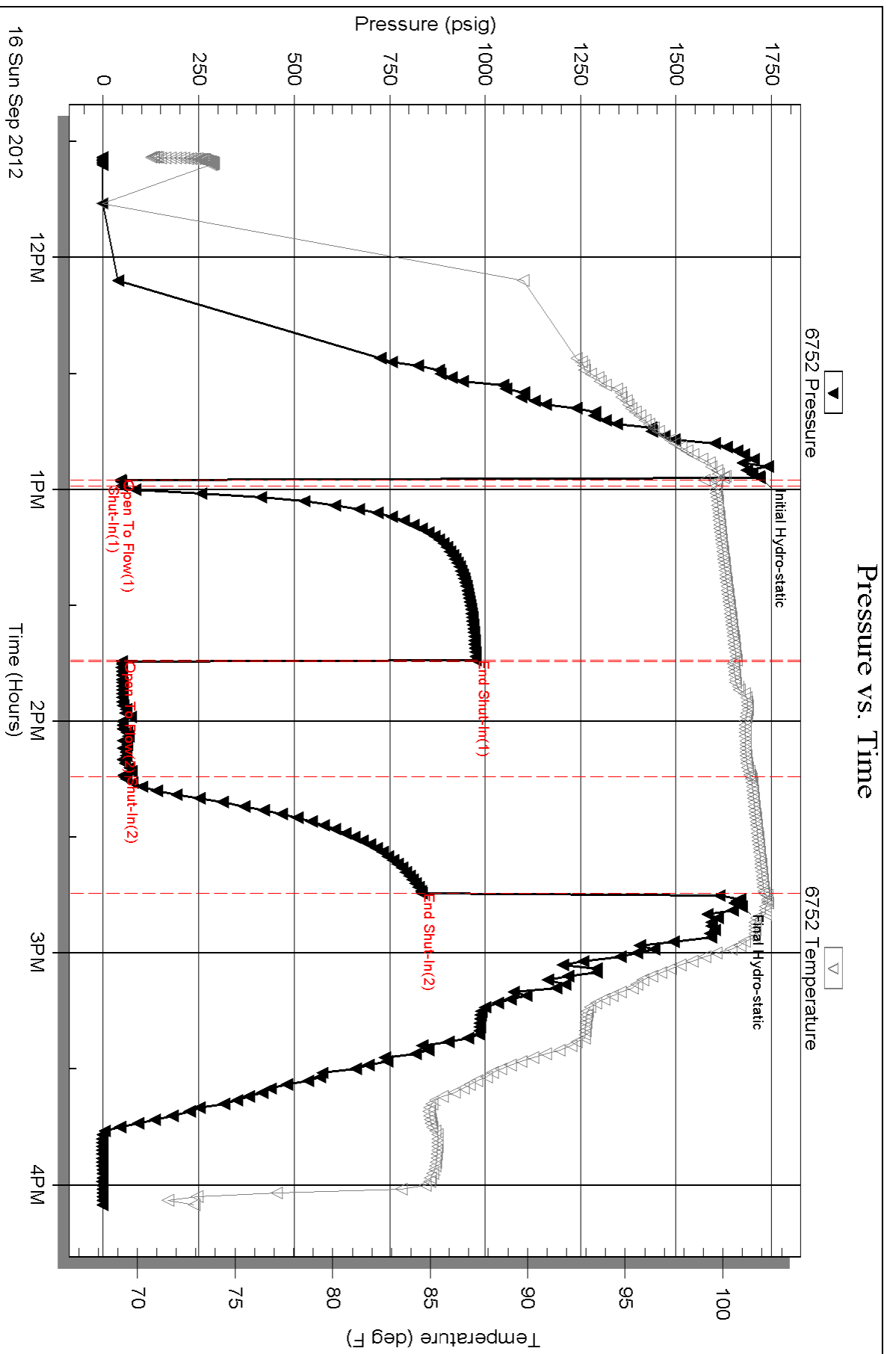
|                                  |                            |                 |         |
|----------------------------------|----------------------------|-----------------|---------|
| Mud Type: Gel Chem               | Cushion Type:              | Oil API:        | deg API |
| Mud Weight: 9.00 lb/gal          | Cushion Length: ft         | Water Salinity: | ppm     |
| Viscosity: 60.00 sec/qt          | Cushion Volume: bbl        |                 |         |
| Water Loss: 7.99 in <sup>3</sup> | Gas Cushion Type:          |                 |         |
| Resistivity: ohm.m               | Gas Cushion Pressure: psig |                 |         |
| Salinity: 1500.00 ppm            |                            |                 |         |
| Filter Cake: inches              |                            |                 |         |

## Recovery Information

Recovery Table

| Length<br>ft | Description  | Volume<br>bbl |
|--------------|--------------|---------------|
| 10.00        | DRL MUD 100% | 0.140         |

Total Length: 10.00 ft      Total Volume: 0.140 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Meridian Energy Inc.  
1475 Ward Dr.  
Franktown, Co 80116  
ATTN: Neal LaFon

**33-9-19 Rooks, Ks**

**Hamel 1-A**

Job Ticket: 49439

**DST#: 3**

Test Start: 2012.09.16 @ 23:48:31

## GENERAL INFORMATION:

Formation: **LKC "C-F"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:56:31  
 Time Test Ended: 05:44:31  
 Interval: **3445.00 ft (KB) To 3524.00 ft (KB) (TVD)**  
 Total Depth: 3524.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brian Fairbank  
 Unit No: 41  
 Reference Elevations: 2218.00 ft (KB)  
 2211.00 ft (CF)  
 KB to GR/CF: 7.00 ft

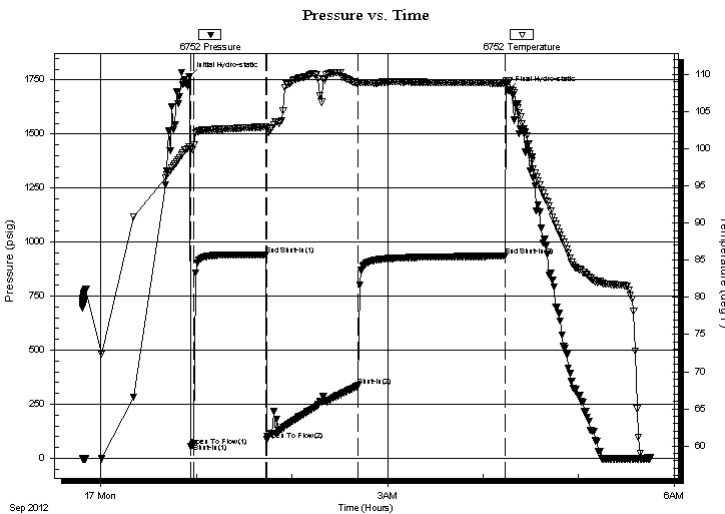
## Serial #: 6752

Inside

Press @ Run Depth: 335.46 psig @ 3452.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.09.16 End Date: 2012.09.17 Last Calib.: 2012.09.17  
 Start Time: 23:48:32 End Time: 05:44:31 Time On Btm: 2012.09.17 @ 00:55:31  
 Time Off Btm: 2012.09.17 @ 04:15:31

TEST COMMENT: IFP - weak blow throughout 1/2" - 3"  
 ISI - no blow back  
 FFP - BOB 9 min  
 FSI - no blow back

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1766.81         | 100.20       | Initial Hydro-static |
| 1           | 55.65           | 100.02       | Open To Flow (1)     |
| 3           | 68.91           | 100.53       | Shut-In(1)           |
| 48          | 941.81          | 102.97       | End Shut-In(1)       |
| 49          | 85.50           | 102.65       | Open To Flow (2)     |
| 106         | 335.46          | 108.77       | Shut-In(2)           |
| 198         | 935.07          | 108.84       | End Shut-In(2)       |
| 200         | 1702.21         | 109.14       | Final Hydro-static   |

## Recovery

| Length (ft) | Description              | Volume (bbl) |
|-------------|--------------------------|--------------|
| 500.00      | SO & MCW 5%O, 70%W, 25%M | 7.01         |
| 65.00       | DRL MUD 100%             | 0.91         |
|             |                          |              |
|             |                          |              |
|             |                          |              |

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Meridian Energy Inc.  
1475 Ward Dr.  
Franktown, Co 80116  
ATTN: Neal LaFon

**33-9-19 Rooks, Ks**  
**Hamel 1-A**  
Job Ticket: 49439      **DST#: 3**  
Test Start: 2012.09.16 @ 23:48:31

### 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: | 90000 ppm |
| Viscosity: 60.00 sec/qt          | Cushion Volume: bbl        |                 |           |
| Water Loss: 7.99 in <sup>3</sup> | Gas Cushion Type:          |                 |           |
| Resistivity: ohm.m               | Gas Cushion Pressure: psig |                 |           |
| Salinity: 1500.00 ppm            |                            |                 |           |
| Filter Cake: inches              |                            |                 |           |

### Recovery Information

Recovery Table

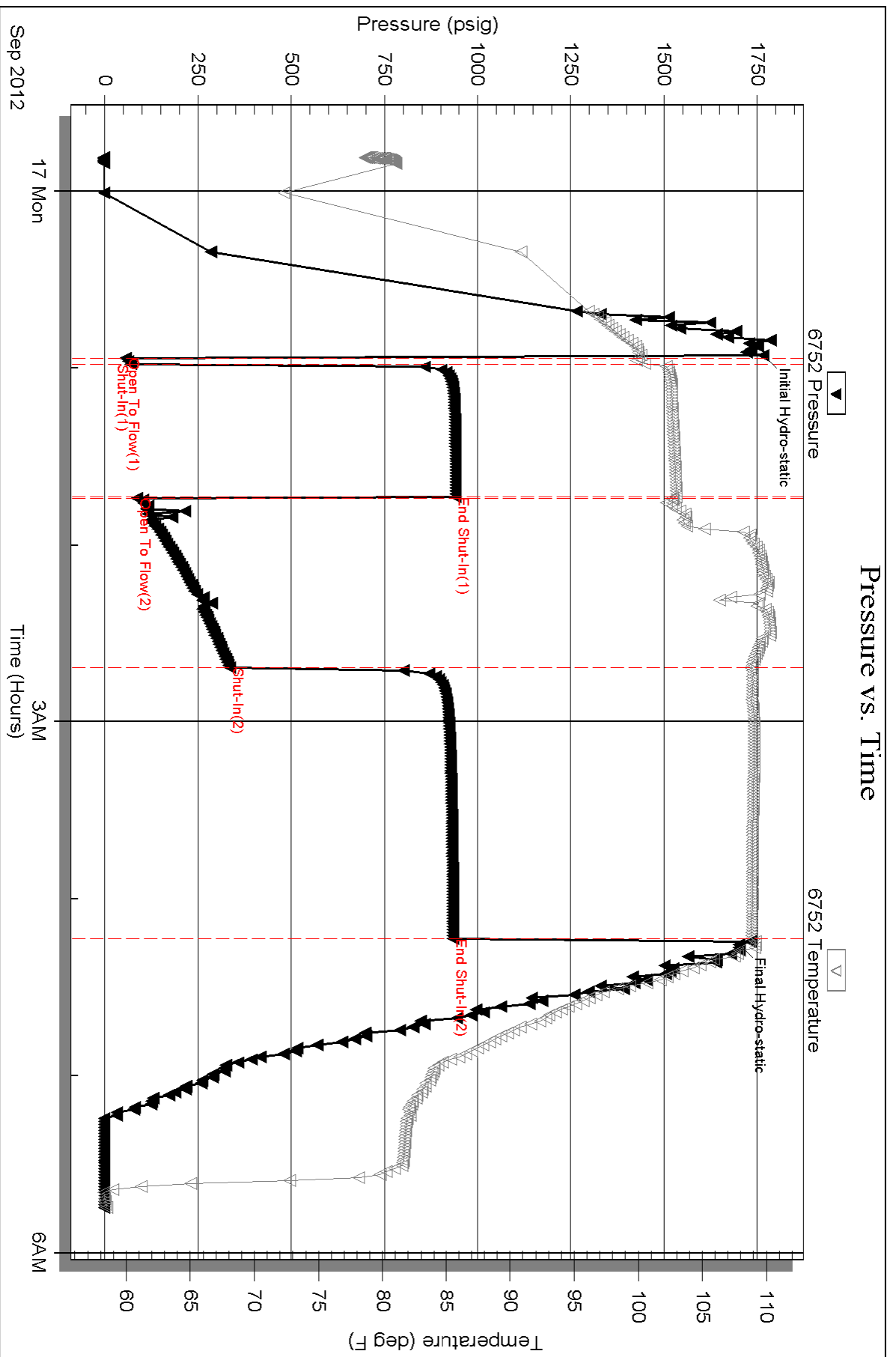
| Length<br>ft | Description              | Volume<br>bbl |
|--------------|--------------------------|---------------|
| 500.00       | SO & MCW 5%O, 70%W, 25%M | 7.014         |
| 65.00        | DRL MUD 100%             | 0.912         |

Total Length: 565.00 ft      Total Volume: 7.926 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:



# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 8540

|      |         |      |    |      |   |       |    |        |       |       |    |             |  |        |         |
|------|---------|------|----|------|---|-------|----|--------|-------|-------|----|-------------|--|--------|---------|
| Date | 9-12-12 | Sec. | 33 | Twp. | 9 | Range | 19 | County | Woods | State | KS | On Location |  | Finish | 7:15 PM |
|------|---------|------|----|------|---|-------|----|--------|-------|-------|----|-------------|--|--------|---------|

Location 7 miles NE of Russell, KS

|                     |          |            |     |  |  |
|---------------------|----------|------------|-----|--|--|
| Lease               | Hapl     | Well No.   | 11  | Owner  | To Quality Oilwell Cementing, Inc.<br>You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. |
| Contractor          | 4/1/1 #1 |            |     | Charge To  | Mendon Energy  |
| Type Job            | 5. face  |            |     | Street   |  |
| Hole Size           | 1 7/8    | T.D.       | 221 | City   |  |
| Csg.                | 8 7/8    | Depth      | 220 | State  |  |
| Tbg. Size           |          | Depth      |     | The above was done to satisfaction and supervision of owner agent or contractor. |  |
| Tool                |          | Depth      |     | Cement Amount Ordered  | 150 units 3/4" 2 1/2"  |
| Cement Left in Csg. | 15       | Shoe Joint |     |  |  |

Meas Line Displace 13.81

| EQUIPMENT |    |              |  |          |
|-----------|----|--------------|--|----------|
| Pumptrk   | 16 | No. Cementer |  | Common   |
|           |    | Helper       |  | Poz. Mix |
| Bulktrk   |    | No. Driver   |  | Gel.     |
| Bulktrk   | 14 | No. Driver   |  | Calcium  |

**JOB SERVICES & REMARKS**

|                    |                         |
|--------------------|-------------------------|
| Remarks:           |                         |
| Rat Hole           | Flowseal                |
| Mouse Hole         | Kol-Seal                |
| Centralizers       | Mud CLR 48              |
| Baskets            | CFL-117 or CD110 CAF 38 |
| D/V or Port Collar | Sand                    |
|                    | Handling                |
|                    | Mileage                 |

8 7/8 on bottom Est. Circulation  
11 x 150 SKY DSK 110

**FLOAT EQUIPMENT**

|  |                            |
|--|----------------------------|
|  | Guide Shoe                 |
|  | Centralizer                |
|  | Baskets <u>8 7/8 30 up</u> |
|  | AFU Inserts                |
|  | Float Shoe                 |
|  | Latch Down                 |

|  |                |              |
|--|----------------|--------------|
|  | Pumptrk Charge |              |
|  | Mileage        |              |
|  |                | Tax          |
|  |                | Discount     |
|  |                | Total Charge |

X Signature Wally Ludwig



PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

TICKET NUMBER 36744  
LOCATION Oakley  
FOREMAN Fuzzz  
miles S.

| DATE                        | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|-----------------------------|------------|--------------------|---------|----------|-------|--------|
| 9-18-12                     | 5665       | Hamel 1-A          | 33      | 95       | 19W   | Rooks  |
| CUSTOMER<br>Meridian Energy |            |                    | Zunch   |          |       |        |
| MAILING ADDRESS             |            |                    | 1W-     |          |       |        |
| CITY                        |            |                    | 1S      |          |       |        |
| STATE                       |            |                    | ein     |          |       |        |
| ZIP CODE                    |            |                    |         |          |       |        |
| TRUCK #                     | DRIVER     | TRUCK #            | DRIVER  |          |       |        |
| 529-7118                    | Jerry Y    |                    |         |          |       |        |
| 460                         | Jordan H   |                    |         |          |       |        |
| 529-129                     | Dobby S    |                    |         |          |       |        |
|                             | Travis W   |                    |         |          |       |        |

JOB TYPE 2 stage HOLE SIZE 7 7/8 HOLE DEPTH 3825' CASING SIZE & WEIGHT 5 1/2 15.5  
CASING DEPTH 3801' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER DU Tool @ 1650'  
SLURRY WEIGHT 14.7-12.5 SLURRY VOLL. 36-189 WATER gal/sk 4.5-10.8 CEMENT LEFT in CASING 18  
DISPLACEMENT 90.0 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting on Royal #1 float equip cont #1, 3, 5, 7, 9, 11, 13  
Cont Basket #38 Basket #8 DU Tool #39 Rig up and circ 45 min. Pump  
5 BBL water, 500 gal mud slush, 5 BBL water, mix 150 sks class A, 10% salt  
2% gel, 5# Kalsol, 3/4 of 1% CFL115 w/d spacer, wash pump and lines drop plug  
and displace 50 BBL water, 40 1/2 BBL mud 600# KHS, 1400# land drop DU Bomb  
wait 10 min open DU Tool @ 800' circ 15 min Pump 20 BBL 2% KCL water, mix  
15 sks MH, 30 sks RH mix 350 sks 60/40 pos 8% gel 1/4# close 1 down 5 1/2 csg,  
wash pump tubes drop plug and displace 39 3/4 BBL water 500# KHS close DU  
Tool @ 1600' Cement did circulate approx 40 BBL to pit.  
Thanks Fuzzz & Crew

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE         | TOTAL              |
|--------------|-------------------|------------------------------------|--------------------|--------------------|
| 5401c        | 1                 | PUMP CHARGE                        | 3020 <sup>00</sup> | 3020 <sup>00</sup> |
| 5406         | 50 miles          | MILEAGE                            | 5 <sup>00</sup>    | 250 <sup>00</sup>  |
| 5407A        | 24 tons           | Ton Mileage Delivery               | 167                | 2001 <sup>00</sup> |
| 1110A        | 750#              | Kal Seal                           | .56                | 420 <sup>00</sup>  |
| 11045        | 150 sks           | Class A Cement                     | 17.65              | 2647 <sup>50</sup> |
| 1139         | 395 sks           | 60/40 pos                          | 15.10              | 5964 <sup>50</sup> |
| 3127         | 810#              | Salt                               | .40                | 324 <sup>00</sup>  |
| 1135A        | 35#               | CFL-115                            | 10.52              | 369 <sup>25</sup>  |
| 1146         | 21#               | DeComark                           | 9.72               | 204 <sup>12</sup>  |
| 1118B        | 3000#             | Bombrite                           | .25                | 750 <sup>00</sup>  |
| 1107         | 99#               | flo-seal                           | 2.82               | 279 <sup>18</sup>  |
| 1144G        | 500 gal           | mud slush                          | 1.00               | 500 <sup>00</sup>  |
| 1215         | 2 gal             | KCL                                | 35.20              | 71 <sup>20</sup>   |
| 4159         | 1                 | 5 1/2 - RFU float shoe (w)         | 413 <sup>00</sup>  | 413 <sup>00</sup>  |
| 4130         | 7                 | 5 1/2 - Centralizers (w)           | 58 <sup>00</sup>   | 406 <sup>00</sup>  |
| 4104         | 2                 | 5 1/2 - Baskets (1w)               | 276 <sup>00</sup>  | 552 <sup>00</sup>  |
| 4277         | 1                 | 5 1/2 - DU Tool                    | 4800 <sup>00</sup> | 4800 <sup>00</sup> |
| 4154         | 1                 | 5 1/2 - Latchdown Assy             | 567 <sup>00</sup>  | 567 <sup>00</sup>  |

SALES TAX 1031.09  
STIMATED TOTAL 22219.04  
subtotal 23541.95 / less 1090 = 2354.00 / subtotal 21187.75

AUTHORIZATION Jeff Crawford TITLE Meridian Energy DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

253010