



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1102951
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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
- Plug Back Conv. to GSW Conv. to Producer
- 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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1102951

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

| | |
|--|---|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____ | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample 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 |
| <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone | | | | |
| | | | | |

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

| 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 |
|----------------|---|--|-------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

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

| | |
|---|--|
| Date of First, Resumed Production, SWD or ENHR. | Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____ |
|---|--|

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

| | | |
|--|--|---|
| 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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ | PRODUCTION INTERVAL: _____ _____ |
|--|--|---|

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

December 18, 2012

Leon Rodak
Murfin Drilling Co., Inc.
250 N WATER STE 300
WICHITA, KS 67202-1216

Re: ACO1
API 15-153-20906-00-00
Sramek 'B' 1-11
SW/4 Sec.11-03S-36W
Rawlins 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,
Leon Rodak

| MDCI Sramek 'B' #1-11 2405' FSL 2000'FWL Sec. 11-3S-36W 3252' KB | | | | | | | Ed Cahoj Faimon #10-14 660'FSL 3300' FEL Sec. 10-3S-36W 3310' KB | |
|--|------------|-------|-----|----------|-------|-----|--|-------|
| Formation | Sample top | Datum | Ref | Log tops | Datum | Ref | Log tops | Datum |
| Anhydrite | 3070 | +182 | -16 | 3069 | +183 | -15 | 3112 | +198 |
| B/Anhydrite | 3108 | +144 | -16 | 3108 | +144 | -16 | 3150 | +160 |
| Neva | 3581 | -329 | -8 | 3585 | -333 | -12 | 3631 | -321 |
| Foraker | 3708 | -456 | -10 | 3710 | -458 | -12 | 3756 | -446 |
| Topeka | 3960 | -708 | -13 | 3960 | -708 | -13 | 4005 | -695 |
| Heebner | 4118 | -866 | -11 | 4120 | -868 | -13 | 4165 | -855 |
| Lansing | 4165 | -913 | -9 | 4170 | -916 | -12 | 4214 | -904 |
| Stark | 4386 | -1134 | -18 | 4385 | -1133 | -17 | 4426 | -1116 |
| BKC | 4445 | -1193 | -28 | 4436 | -1184 | -19 | 4475 | -1165 |
| Pawnee | 4571 | -1319 | -20 | 4559 | -1307 | -8 | 4609 | -1299 |
| Cherokee | 4649 | -1397 | -21 | 4634 | -1382 | -6 | 4686 | -1376 |
| Mississippi | 4815 | -1563 | | 4826 | -1574 | | NDE | ----- |
| RTD | 4950 | | | | | | 4740 | |
| LTD | | | | 4954 | | | 4729 | |



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co. Inc,**

250 N Water STE 300
Wichita, KS 67202

ATTN: Wes Hansen

Sramek "B" #1-11

11-3s-36w Rawlins,KS

Start Date: 2012.09.04 @ 15:42:00

End Date: 2012.09.04 @ 23:56:30

Job Ticket #: 50136 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.09.13 @ 13:50:14



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co. Inc,
 250 N Water STE 300
 Wichita, KS 67202
 ATTN: Wes Hansen

11-3s-36w Rawlins,KS

Sramek "B" #1-11

Job Ticket: 50136

DST#: 1

Test Start: 2012.09.04 @ 15:42:00

GENERAL INFORMATION:

Formation: **Lansing "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:05:00

Time Test Ended: 23:56:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Sam Esparza

Unit No: 64

Interval: 4118.00 ft (KB) To 4185.00 ft (KB) (TVD)

Reference Elevations: 3252.00 ft (KB)

Total Depth: 4185.00 ft (KB) (TVD)

3242.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 10.00 ft

Serial #: 6772 Outside

Press @ Run Depth: 195.27 psig @ 4119.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.09.04

End Date:

2012.09.04

Last Calib.:

2012.09.05

Start Time: 15:42:05

End Time:

23:56:29

Time On Btm:

2012.09.04 @ 18:04:30

Time Off Btm:

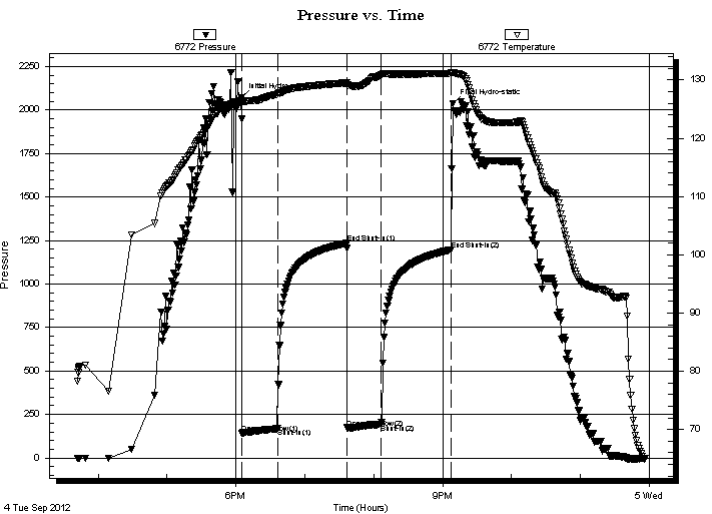
2012.09.04 @ 21:08:45

TEST COMMENT: IF: 6" blow . Tagged on a bridge then hit bottom.

IS: No return.

FF: No blow .

FS: No return.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2072.66 | 126.41 | Initial Hydro-static |
| 1 | 142.21 | 126.19 | Open To Flow (1) |
| 32 | 168.15 | 127.52 | Shut-In(1) |
| 92 | 1233.96 | 129.51 | End Shut-In(1) |
| 93 | 172.67 | 129.17 | Open To Flow (2) |
| 122 | 195.27 | 130.87 | Shut-In(2) |
| 183 | 1195.76 | 131.15 | End Shut-In(2) |
| 185 | 2037.52 | 131.31 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 365.00 | Mud 100m | 1.80 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co. Inc,
250 N Water STE 300
Wichita, KS 67202
ATTN: Wes Hansen

11-3s-36w Rawlins,KS

Sramek "B" #1-11

Job Ticket: 50136

DST#: 1

Test Start: 2012.09.04 @ 15:42:00

Tool Information

| | | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe: | Length: 3579.00 ft | Diameter: 3.80 inches | Volume: 50.20 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: 531.00 ft | Diameter: 2.25 inches | Volume: 2.61 bbl | Weight to Pull Loose: | 100000.0 lb |
| | | | <u>Total Volume: 52.81 bbl</u> | Tool Chased | 0.00 ft |
| Drill Pipe Above KB: | 21.00 ft | | | String Weight: Initial | 72000.00 lb |
| Depth to Top Packer: | 4118.00 ft | | | Final | 74000.00 lb |
| Depth to Bottom Packer: | ft | | | | |
| Interval between Packers: | 67.00 ft | | | | |
| Tool Length: | 96.00 ft | | | | |
| Number of Packers: | 2 | Diameter: | 6.75 inches | | |
| Tool Comments: | | | | | |

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 4090.00 | |
| Shut In Tool | 5.00 | | | 4095.00 | |
| Hydraulic tool | 5.00 | | | 4100.00 | |
| Jars | 5.00 | | | 4105.00 | |
| Safety Joint | 3.00 | | | 4108.00 | |
| Packer | 5.00 | | | 4113.00 | 29.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4118.00 | |
| Stubb | 1.00 | | | 4119.00 | |
| Recorder | 0.00 | 6669 | Outside | 4119.00 | |
| Recorder | 0.00 | 6772 | Outside | 4119.00 | |
| Perforations | 29.00 | | | 4148.00 | |
| Change Over Sub | 1.00 | | | 4149.00 | |
| Drill Pipe | 31.00 | | | 4180.00 | |
| Change Over Sub | 1.00 | | | 4181.00 | |
| Bullnose | 4.00 | | | 4185.00 | 67.00 Bottom Packers & Anchor |

Total Tool Length: 96.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc,
250 N Water STE 300
Wichita, KS 67202
ATTN: Wes Hansen

11-3s-36w Rawlins,KS
Sramek "B" #1-11
Job Ticket: 50136 **DST#: 1**
Test Start: 2012.09.04 @ 15:42:00

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: 57.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 6.78 in ³ | Gas Cushion Type: | | |
| Resistivity: 0.00 ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 1000.00 ppm | | | |
| Filter Cake: 2.00 inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 365.00 | Mud 100m | 1.795 |

Total Length: 365.00 ft Total Volume: 1.795 bbl

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

Laboratory Name: Laboratory Location:

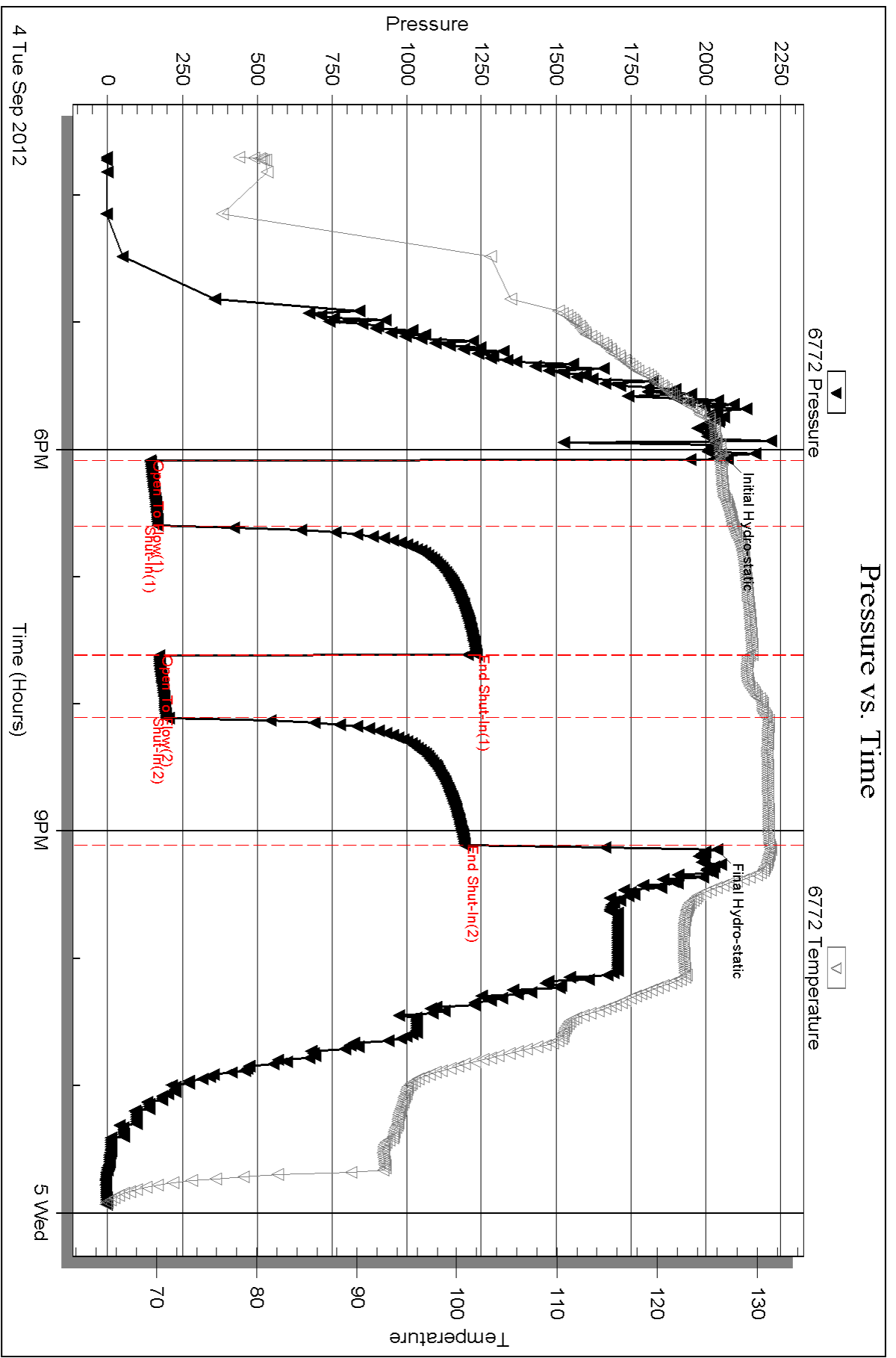
Recovery Comments: Tagged Bottom early

Serial #: 6772

Outside Murfin Drilling Co. Inc.

Stamok "B" #1-11

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 50136

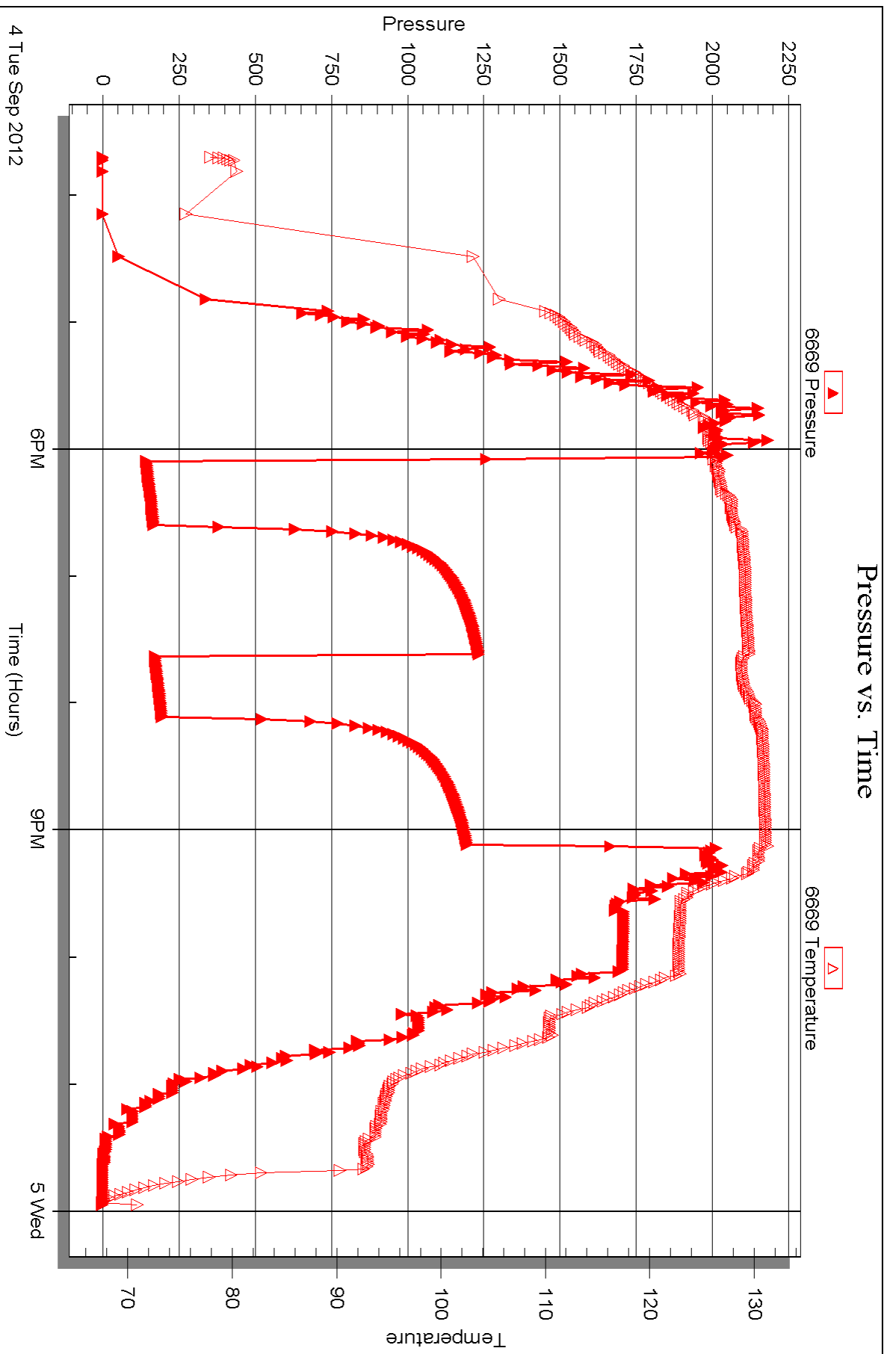
Printed: 2012.09.13 @ 13:50:18

Serial #: 6669

Outside Murfin Drilling Co. Inc.

Stamok "B" #1-11

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co. Inc,**

250 N Water STE 300
Wichita, KS 67202

ATTN: Wes Hansen

Sramek "B" #1-11

11-3s-36w Rawlins,KS

Start Date: 2012.09.05 @ 22:47:00

End Date: 2012.09.06 @ 06:17:00

Job Ticket #: 50137 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.09.13 @ 13:49:30



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co. Inc,
 250 N Water STE 300
 Wichita, KS 67202
 ATTN: Wes Hansen

11-3s-36w Rawlins,KS
Sramek "B" #1-11
 Job Ticket: 50137 **DST#: 2**
 Test Start: 2012.09.05 @ 22:47:00

GENERAL INFORMATION:

Formation: **Lansing " I, J "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:11:30
 Time Test Ended: 06:17:00
 Interval: **4336.00 ft (KB) To 4380.00 ft (KB) (TVD)**
 Total Depth: 4380.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Sam Esparza
 Unit No: 64
 Reference Elevations: 3252.00 ft (KB)
 3242.00 ft (CF)
 KB to GR/CF: 10.00 ft

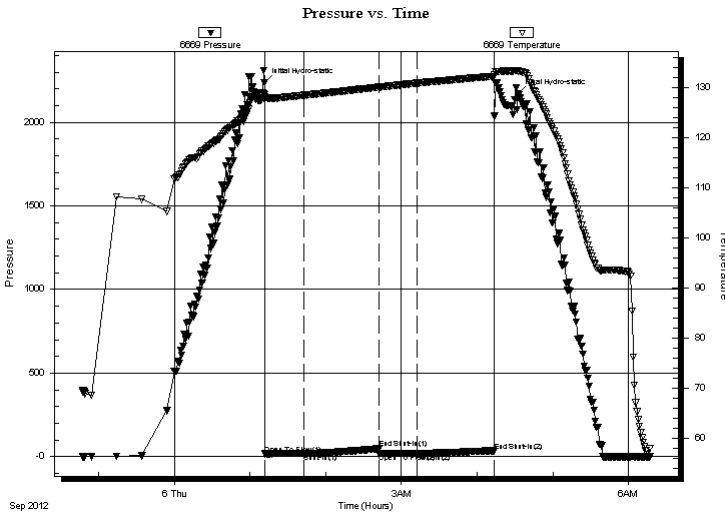
Serial #: 6669

Outside

Press @ RunDepth: 19.31 psig @ 4337.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.05 End Date: 2012.09.06 Last Calib.: 2012.09.06
 Start Time: 22:47:05 End Time: 06:16:59 Time On Btm: 2012.09.06 @ 01:11:15
 Time Off Btm: 2012.09.06 @ 04:32:30

TEST COMMENT: IF: Weak surface blow died @ 24 min.
 IS: No return.
 FF: No blow.
 FS: No return.

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2237.56 | 128.59 | Initial Hydro-static |
| 1 | 16.76 | 127.63 | Open To Flow (1) |
| 32 | 17.22 | 128.48 | Shut-In(1) |
| 91 | 47.20 | 130.08 | End Shut-In(1) |
| 91 | 18.32 | 130.08 | Open To Flow (2) |
| 121 | 19.31 | 130.89 | Shut-In(2) |
| 182 | 32.64 | 132.27 | End Shut-In(2) |
| 202 | 2169.24 | 133.31 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 1.00 | Mud 100m | 0.00 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co. Inc,
250 N Water STE 300
Wichita, KS 67202
ATTN: Wes Hansen

11-3s-36w Rawlins,KS
Sramek "B" #1-11
Job Ticket: 50137 **DST#: 2**
Test Start: 2012.09.05 @ 22:47:00

Tool Information

| | | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe: | Length: 3800.00 ft | Diameter: 3.80 inches | Volume: 53.30 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: 531.00 ft | Diameter: 2.25 inches | Volume: 2.61 bbl | Weight to Pull Loose: | 90000.00 lb |
| | | | <u>Total Volume: 55.91 bbl</u> | Tool Chased | 0.00 ft |
| Drill Pipe Above KB: | 24.00 ft | | | String Weight: Initial | 72000.00 lb |
| Depth to Top Packer: | 4336.00 ft | | | Final | 72000.00 lb |
| Depth to Bottom Packer: | ft | | | | |
| Interval between Packers: | 44.00 ft | | | | |
| Tool Length: | 73.00 ft | | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|-------------------------|--------------------|-------------------|-----------------|-------------------|-----------------------|
|-------------------------|--------------------|-------------------|-----------------|-------------------|-----------------------|

| | | | | | |
|-----------------|-------|------|---------|---------|------------------------------------|
| Change Over Sub | 1.00 | | | 4308.00 | |
| Shut In Tool | 5.00 | | | 4313.00 | |
| Hydraulic tool | 5.00 | | | 4318.00 | |
| Jars | 5.00 | | | 4323.00 | |
| Safety Joint | 3.00 | | | 4326.00 | |
| Packer | 5.00 | | | 4331.00 | 29.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4336.00 | |
| Stubb | 1.00 | | | 4337.00 | |
| Recorder | 0.00 | 6669 | Outside | 4337.00 | |
| Recorder | 0.00 | 6772 | Outside | 4337.00 | |
| Perforations | 6.00 | | | 4343.00 | |
| Change Over Sub | 1.00 | | | 4344.00 | |
| Drill Pipe | 31.00 | | | 4375.00 | |
| Change Over Sub | 1.00 | | | 4376.00 | |
| Bullnose | 4.00 | | | 4380.00 | 44.00 Bottom Packers & Anchor |

Total Tool Length: 73.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc,
250 N Water STE 300
Wichita, KS 67202
ATTN: Wes Hansen

11-3s-36w Rawlins,KS
Sramek "B" #1-11
Job Ticket: 50137 **DST#: 2**
Test Start: 2012.09.05 @ 22:47:00

Mud and Cushion Information

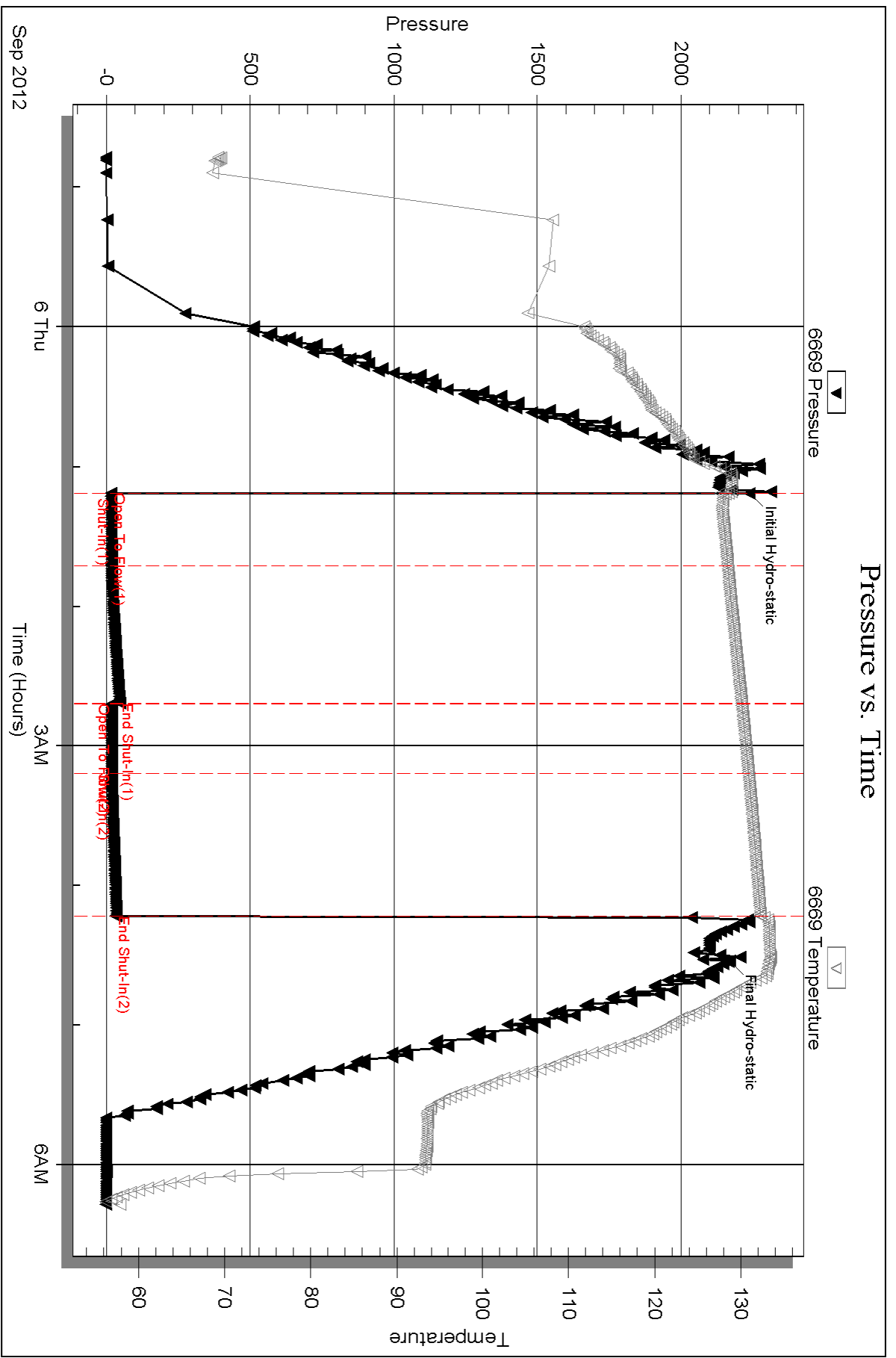
| | | | |
|----------------------------------|----------------------------|-----------------|---------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: | deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: | ppm |
| Viscosity: 56.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 6.39 in ³ | Gas Cushion Type: | | |
| Resistivity: 0.00 ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 1000.00 ppm | | | |
| Filter Cake: 2.00 inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 1.00 | Mud 100m | 0.005 |

Total Length: 1.00 ft Total Volume: 0.005 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co. Inc,**

250 N Water STE 300
Wichita, KS 67202

ATTN: Wes Hansen

Sramek "B" #1-11

11-3s-36w Rawlins,KS

Start Date: 2012.09.07 @ 10:26:00

End Date: 2012.09.07 @ 18:42:30

Job Ticket #: 50138 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.09.13 @ 13:39:24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co. Inc,
250 N Water STE 300
Wichita, KS 67202
ATTN: Wes Hansen

11-3s-36w Rawlins,KS

Sramek "B" #1-11

Job Ticket: 50138

DST#: 3

Test Start: 2012.09.07 @ 10:26:00

GENERAL INFORMATION:

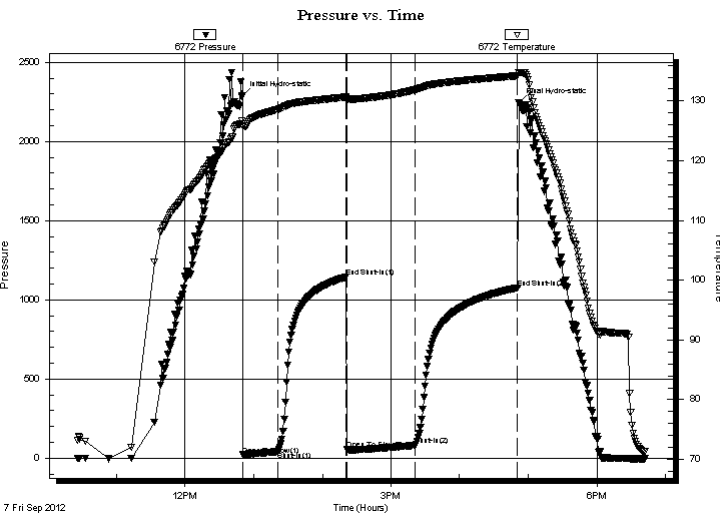
Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:50:15
 Time Test Ended: 18:42:30
 Interval: **4544.00 ft (KB) To 4600.00 ft (KB) (TVD)**
 Total Depth: 4600.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition:
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Sam Esparza
 Unit No: 64
 Reference Elevations: 3252.00 ft (KB)
 3242.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6772

Outside

Press @ Run Depth: 80.22 psig @ 4545.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.07 End Date: 2012.09.07 Last Calib.: 2012.09.07
 Start Time: 10:26:05 End Time: 18:42:29 Time On Btm: 2012.09.07 @ 12:50:00
 Time Off Btm: 2012.09.07 @ 16:52:00

TEST COMMENT: IF: 3 1/2" blow .
 IS: No return.
 FF: 6" blow .
 FS: No return.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2290.74 | 126.64 | Initial Hydro-static |
| 1 | 20.86 | 125.84 | Open To Flow (1) |
| 31 | 41.49 | 128.57 | Shut-In(1) |
| 91 | 1144.75 | 130.68 | End Shut-In(1) |
| 92 | 54.66 | 130.31 | Open To Flow (2) |
| 151 | 80.22 | 131.89 | Shut-In(2) |
| 241 | 1076.87 | 134.23 | End Shut-In(2) |
| 242 | 2248.06 | 134.79 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|------------------|--------------|
| 95.00 | GMCO 10g 30m 60o | 0.47 |
| 20.00 | GO 15g 85o | 0.10 |
| 0.00 | 250' GIP | 0.00 |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co. Inc,
250 N Water STE 300
Wichita, KS 67202
ATTN: Wes Hansen

11-3s-36w Rawlins,KS

Sramek "B" #1-11

Job Ticket: 50138

DST#: 3

Test Start: 2012.09.07 @ 10:26:00

Tool Information

| | | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe: | Length: 3993.00 ft | Diameter: 3.80 inches | Volume: 56.01 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: 531.00 ft | Diameter: 2.25 inches | Volume: 2.61 bbl | Weight to Pull Loose: | 95000.00 lb |
| | | | <u>Total Volume: 58.62 bbl</u> | Tool Chased | 0.00 ft |
| Drill Pipe Above KB: | 9.00 ft | | | String Weight: Initial | 75000.00 lb |
| Depth to Top Packer: | 4544.00 ft | | | Final | 76000.00 lb |
| Depth to Bottom Packer: | ft | | | | |
| Interval between Packers: | 56.00 ft | | | | |
| Tool Length: | 85.00 ft | | | | |
| Number of Packers: | 2 | Diameter: | 6.75 inches | | |
| Tool Comments: | | | | | |

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 4516.00 | |
| Shut In Tool | 5.00 | | | 4521.00 | |
| Hydraulic tool | 5.00 | | | 4526.00 | |
| Jars | 5.00 | | | 4531.00 | |
| Safety Joint | 3.00 | | | 4534.00 | |
| Packer | 5.00 | | | 4539.00 | 29.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4544.00 | |
| Stubb | 1.00 | | | 4545.00 | |
| Recorder | 0.00 | 6669 | Outside | 4545.00 | |
| Recorder | 0.00 | 6772 | Outside | 4545.00 | |
| Perforations | 18.00 | | | 4563.00 | |
| Change Over Sub | 1.00 | | | 4564.00 | |
| Drill Pipe | 31.00 | | | 4595.00 | |
| Change Over Sub | 1.00 | | | 4596.00 | |
| Bullnose | 4.00 | | | 4600.00 | 56.00 Bottom Packers & Anchor |

Total Tool Length: 85.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc,
250 N Water STE 300
Wichita, KS 67202
ATTN: Wes Hansen

11-3s-36w Rawlins,KS
Sramek "B" #1-11
Job Ticket: 50138 **DST#: 3**
Test Start: 2012.09.07 @ 10:26:00

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: 62.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 5.99 in ³ | Gas Cushion Type: | | |
| Resistivity: 0.00 ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 1000.00 ppm | | | |
| Filter Cake: 2.00 inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|------------------|---------------|
| 95.00 | GMCO 10g 30m 60o | 0.467 |
| 20.00 | GO 15g 85o | 0.098 |
| 0.00 | 250' GIP | 0.000 |

Total Length: 115.00 ft Total Volume: 0.565 bbl

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

Laboratory Name: Laboratory Location:

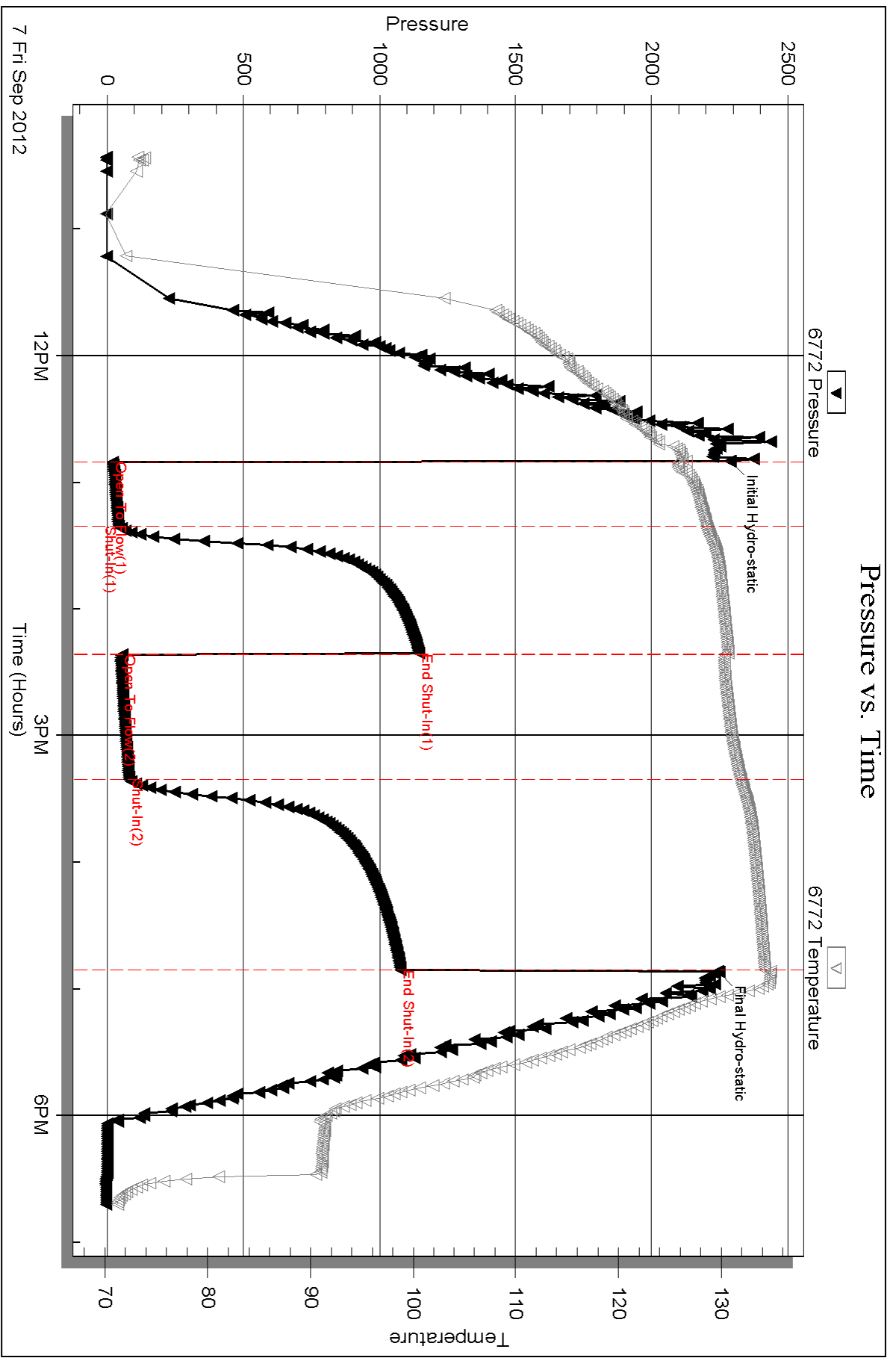
Recovery Comments: Oil API: 28@ 80 degrees= 26 API

Serial #: 6772

Outside Murfin Drilling Co. Inc.

Stamok "B" #1-11

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 50138

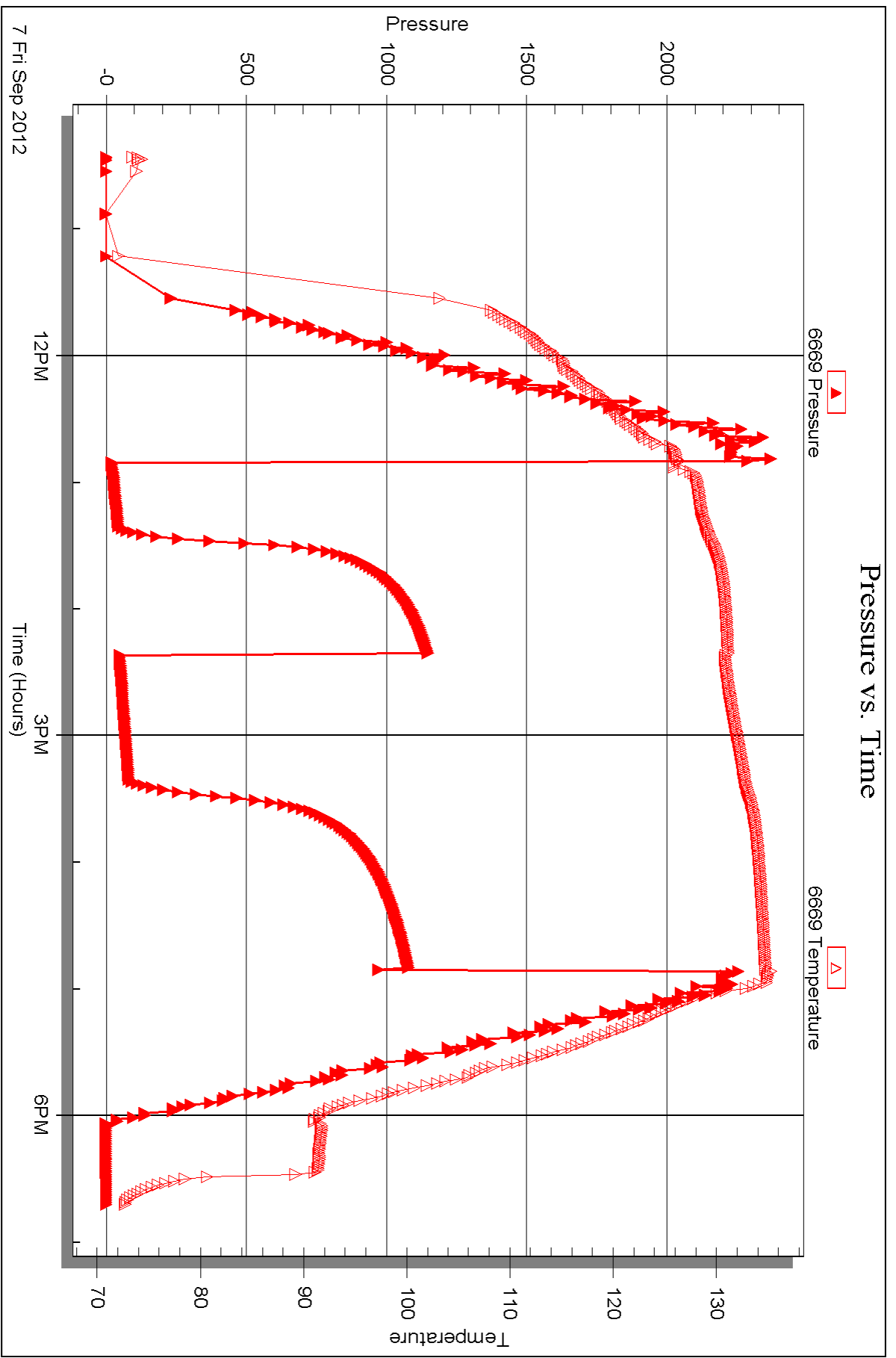
Printed: 2012.09.13 @ 13:39:29

Serial #: 6669

Outside Murfin Drilling Co. Inc.

Stamok "B" #1-11

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co. Inc,**

250 N Water STE 300
Wichita, KS 67202

ATTN: Wes Hansen

Sramek "B" #1-11

11-3s-36w Rawlins,KS

Start Date: 2012.09.08 @ 07:26:00

End Date: 2012.09.08 @ 15:31:15

Job Ticket #: 48062 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.09.13 @ 13:38:41

Murfin Drilling Co. Inc,

11-3s-36w Rawlins,KS

Sramek "B" #1-11

DST # 4

Lwr Pawnee - Ft. Sco

2012.09.08



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co. Inc,
250 N Water STE 300
Wichita, KS 67202
ATTN: Wes Hansen

11-3s-36w Rawlins,KS

Sramek "B" #1-11

Job Ticket: 48062

DST#: 4

Test Start: 2012.09.08 @ 07:26:00

GENERAL INFORMATION:

Formation: **Lwr Pawnee - Ft. Sco**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:08:45

Time Test Ended: 15:31:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 43

Interval: **4599.00 ft (KB) To 4670.00 ft (KB) (TVD)**

Reference Elevations: 3252.00 ft (KB)

Total Depth: 4670.00 ft (KB) (TVD)

3242.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8648

Inside

Press @ Run Depth: 37.94 psig @ 4600.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.09.08

End Date:

2012.09.08

Last Calib.:

2012.09.08

Start Time:

07:26:05

End Time:

15:31:14

Time On Btm:

2012.09.08 @ 10:07:45

Time Off Btm:

2012.09.08 @ 13:40:00

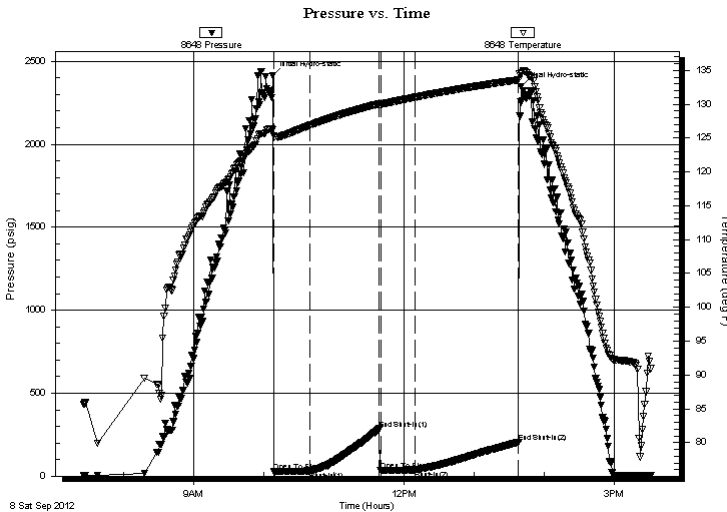
TEST COMMENT: 30 - IF- 1/4" Blow built to 1"

60 - IS- No Return

30 - FF- No Blow

90 - FS- No Return

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2414.41 | 126.26 | Initial Hydro-static |
| 1 | 26.07 | 125.34 | Open To Flow (1) |
| 32 | 31.47 | 126.89 | Shut-In(1) |
| 91 | 284.83 | 130.06 | End Shut-In(1) |
| 92 | 33.75 | 129.97 | Open To Flow (2) |
| 122 | 37.94 | 131.03 | Shut-In(2) |
| 210 | 204.78 | 133.59 | End Shut-In(2) |
| 213 | 2347.13 | 134.63 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------|--------------|
| 9.00 | OCM 50M 50o | 0.04 |
| 1.00 | Free Oil 100o | 0.00 |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co. Inc,
250 N Water STE 300
Wichita, KS 67202
ATTN: Wes Hansen

11-3s-36w Rawlins,KS

Sramek "B" #1-11

Job Ticket: 48062

DST#: 4

Test Start: 2012.09.08 @ 07:26:00

Tool Information

| | | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe: | Length: 4059.00 ft | Diameter: 3.80 inches | Volume: 56.94 bbl | Tool Weight: | 2500.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: | 25000.00 lb |
| Drill Collar: | Length: 531.00 ft | Diameter: 2.25 inches | Volume: 2.61 bbl | Weight to Pull Loose: | 110000.0 lb |
| | | | <u>Total Volume: 59.55 bbl</u> | Tool Chased | ft |
| Drill Pipe Above KB: | 20.00 ft | | | String Weight: Initial | 78000.00 lb |
| Depth to Top Packer: | 4599.00 ft | | | Final | 78000.00 lb |
| Depth to Bottom Packer: | ft | | | | |
| Interval between Packers: | 71.00 ft | | | | |
| Tool Length: | 100.00 ft | | | | |
| Number of Packers: | 2 | Diameter: | 6.75 inches | | |
| Tool Comments: | | | | | |

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 4571.00 | |
| Shut In Tool | 5.00 | | | 4576.00 | |
| Hydraulic tool | 5.00 | | | 4581.00 | |
| Jars | 5.00 | | | 4586.00 | |
| Safety Joint | 3.00 | | | 4589.00 | |
| Packer | 5.00 | | | 4594.00 | 29.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4599.00 | |
| Stubb | 1.00 | | | 4600.00 | |
| Recorder | 0.00 | 8648 | Inside | 4600.00 | |
| Recorder | 0.00 | 6799 | Inside | 4600.00 | |
| Perforations | 2.00 | | | 4602.00 | |
| Change Over Sub | 1.00 | | | 4603.00 | |
| Drill Pipe | 63.00 | | | 4666.00 | |
| Change Over Sub | 1.00 | | | 4667.00 | |
| Bullnose | 3.00 | | | 4670.00 | 71.00 Bottom Packers & Anchor |

Total Tool Length: 100.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc,
250 N Water STE 300
Wichita, KS 67202
ATTN: Wes Hansen

11-3s-36w Rawlins,KS
Sramek "B" #1-11
Job Ticket: 48062 **DST#: 4**
Test Start: 2012.09.08 @ 07:26:00

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: 62.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 5.59 in ³ | Gas Cushion Type: | | |
| Resistivity: 0.00 ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 1000.00 ppm | | | |
| Filter Cake: 2.00 inches | | | |

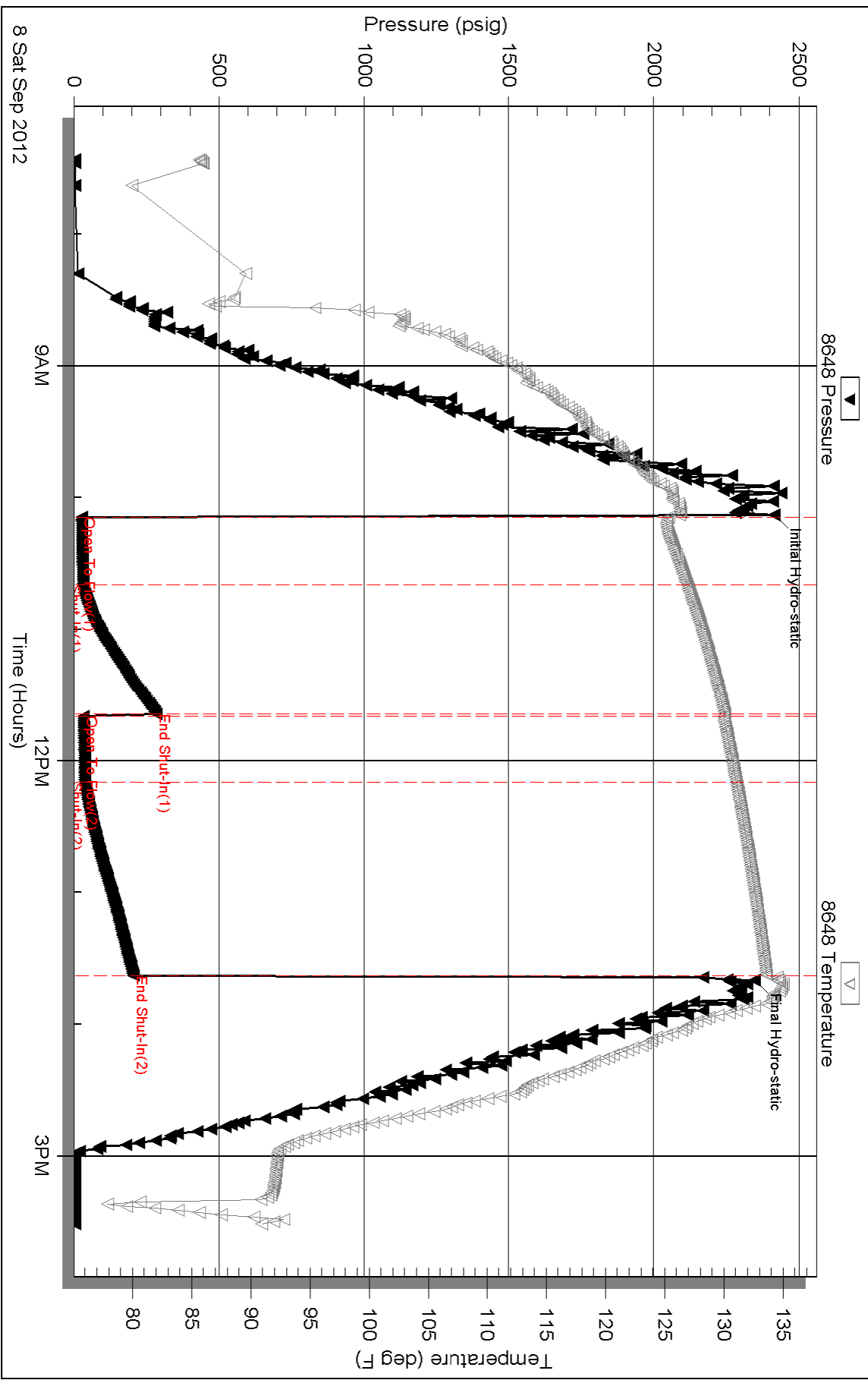
Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------|---------------|
| 9.00 | OCM 50M 50o | 0.044 |
| 1.00 | Free Oil 100o | 0.005 |

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time



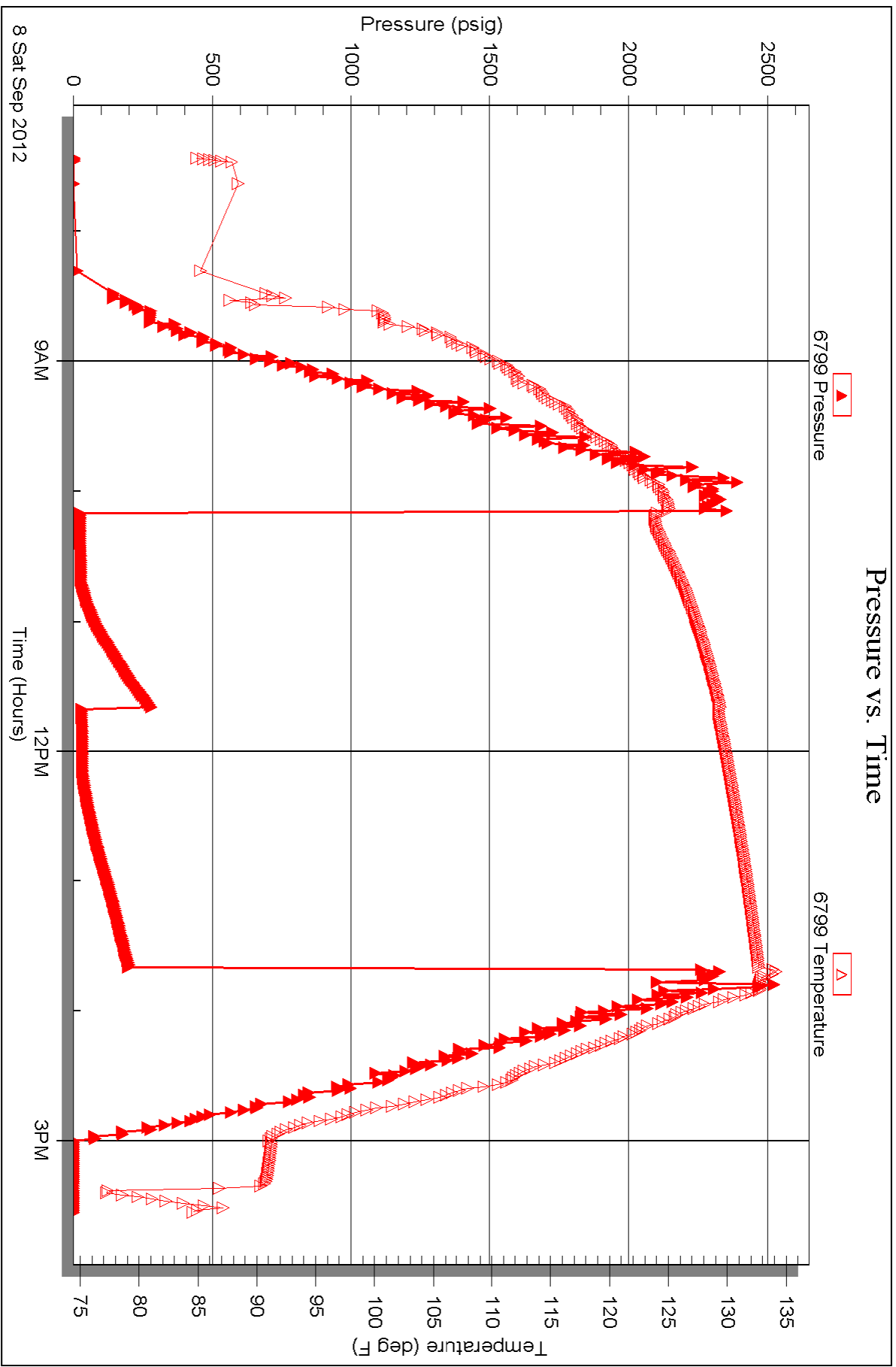
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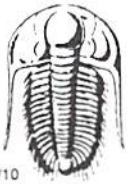
Inside

Murfin Drilling Co. Inc.

Stamok "B" #1-11

DST Test Number: 4





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50136

4/10

Well Name & No. Murfin Drilling Co. Inc. Sramek "B" 1-11 Test No. 1 Date 9/4/12
 Company Murfin Drilling Co. Inc. Elevation 3252 KB 3242 GL
 Address 250 N Water STE 300 Wichita, KS 67202
 Co. Rep / Geo. Wes Hansen Rig Murfin # H
 Location: Sec. 11 Twp. 3S Rge. 36W Co. Rawlins State KS

Interval Tested 4118-4185 Zone Tested Lansing "A"
 Anchor Length 67' Drill Pipe Run 3579 Mud Wt. 9.2
 Top Packer Depth 4114 Drill Collars Run 531 Vis 57
 Bottom Packer Depth 4118 Wt. Pipe Run Ø WL 6.8
 Total Depth 4185 Chlorides 100 ppm System LCM 4
 Blow Description 6" blow. Tagged on a bridge then hit bottom
No return.
No blow.
No return.

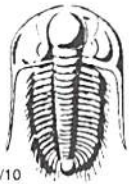
| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|------------|------|------|--------|------------|
| <u>365</u> | <u>Mud</u> | | | | <u>100</u> |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 365 BHT 131 Gravity — API RW — @ — °F Chlorides — ppm

| | | |
|-------------------------------------|---|--|
| (A) Initial Hydrostatic <u>2073</u> | <input checked="" type="checkbox"/> Test 1250 | T-On Location <u>10:30</u> |
| (B) First Initial Flow <u>142</u> | <input checked="" type="checkbox"/> Jars 250 | T-Started <u>15:42</u> |
| (C) First Final Flow <u>168</u> | <input checked="" type="checkbox"/> Safety Joint 75 | T-Open <u>18:06</u> |
| (D) Initial Shut-In <u>1234</u> | <input checked="" type="checkbox"/> Circ Sub <u>N/C</u> | T-Pulled <u>21:07</u> |
| (E) Second Initial Flow <u>173</u> | <input checked="" type="checkbox"/> Hourly Standby 3.5hrs 350 | T-Out <u>23:57</u> |
| (F) Second Final Flow <u>195</u> | <input checked="" type="checkbox"/> Mileage <u>236 RA</u> 100rt 155 | Comments <u>pull tight so waiting on rig til 14:15 start out of hole</u> |
| (G) Final Shut-In <u>1196</u> | <input type="checkbox"/> Sampler | <input type="checkbox"/> Ruined Shale Packer |
| (H) Final Hydrostatic <u>2038</u> | <input type="checkbox"/> Straddle | <input type="checkbox"/> Ruined Packer |
| Initial Open <u>30</u> | <input type="checkbox"/> Shale Packer | <input type="checkbox"/> Extra Copies |
| Initial Shut-In <u>60</u> | <input type="checkbox"/> Extra Packer | Sub Total <u>0</u> |
| Final Flow <u>30</u> | <input type="checkbox"/> Extra Recorder | Total <u>2080</u> |
| Final Shut-In <u>60</u> | <input type="checkbox"/> Day Standby | MP/DST Disc't |
| | <input type="checkbox"/> Accessibility | |
| | Sub Total <u>2080</u> | |

Approved By Wesley Hansen Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50137

4/10

Well Name & No. Scampek "B" 1-11 Test No. 2 Date 9/5/12
 Company Murfin Drilling Co., Inc. Elevation 3252 KB 3242 GL
 Address 250 N Water STE 300 Wichita, KS 67202
 Co. Rep / Geo. Wes Hansen Rig Murfin #14
 Location: Sec. 11 Twp. 3S Rge. 36W Co. Rawlins State KS

Interval Tested 4336-4380 Zone Tested Lensing "I, J"
 Anchor Length 44' Drill Pipe Run 3800 Mud Wt. 9.1
 Top Packer Depth 4332 Drill Collars Run 531 Vis 56
 Bottom Packer Depth 4336 Wt. Pipe Run Ø WL 6.4
 Total Depth 4380 Chlorides 1000 ppm System LCM 4

Blow Description weak surface blow died @ 24 min.
No return.
No blow.
No return

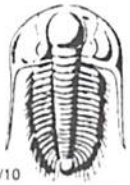
| Rec | Feet of | %gas | %oil | %water | %mud |
|-----|---------|------|------|--------|------|
| 1 | Mud | | | 100 | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Rec Total 1 BHT 132 Gravity — API RW — @ — °F Chlorides — ppm

| | | |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>2238</u> | <input checked="" type="checkbox"/> Test 1250 | T-On Location <u>22:15</u> |
| (B) First Initial Flow <u>17</u> | <input checked="" type="checkbox"/> Jars 250 | T-Started <u>22:47</u> |
| (C) First Final Flow <u>17</u> | <input checked="" type="checkbox"/> Safety Joint 75 | T-Open <u>1:13</u> |
| (D) Initial Shut-In <u>47</u> | <input checked="" type="checkbox"/> Circ Sub <u>N/C</u> | T-Pulled <u>4:14</u> |
| (E) Second Initial Flow <u>18</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>6:19</u> |
| (F) Second Final Flow <u>19</u> | <input checked="" type="checkbox"/> Mileage <u>236 1/4</u> 155 | Comments |
| (G) Final Shut-In <u>33</u> | <input type="checkbox"/> Sampler | |
| (H) Final Hydrostatic <u>2169</u> | <input type="checkbox"/> Straddle | |
| | <input type="checkbox"/> Shale Packer | <input type="checkbox"/> Ruined Shale Packer |
| Initial Open <u>30</u> | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Ruined Packer |
| Initial Shut-In <u>60</u> | <input type="checkbox"/> Extra Recorder | <input type="checkbox"/> Extra Copies |
| Final Flow <u>30</u> | <input type="checkbox"/> Day Standby | Sub Total <u>0</u> |
| Final Shut-In <u>60</u> | <input type="checkbox"/> Accessibility | Total <u>1730</u> |
| | Sub Total <u>1730</u> | MP/DST Disc't |

Approved By Wesley Hansen Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **50138**

4/10

Well Name & No. Stamek "B" 1-11 Test No. 3 Date 9/7/12
 Company Murfin Drilling Co, Inc. Elevation 3252 KB 3242 GL
 Address 250 N Water STE 300 Wichita, KS 67202
 Co. Rep / Geo. Wes Hansen Rig Murfin #14
 Location: Sec. 11 Twp. 3S Rge. 36W Co. Rawlins State KS

Interval Tested 4544 - 4600 Zone Tested Pawnee
 Anchor Length 56' Drill Pipe Run 3993 Mud Wt. 9.2
 Top Packer Depth 4540 Drill Collars Run 531 Vis 62
 Bottom Packer Depth 4544 Wt. Pipe Run Ø WL 6.0
 Total Depth 4600 Chlorides 1000 ppm System LCM 4
 Blow Description 3 1/2" blow.
No return
6" blow.
No return.

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|-----------------|-----------|-----------|--------|-----------|
| <u>20</u> | <u>90</u> | <u>15</u> | <u>85</u> | | |
| <u>95</u> | <u>6mco</u> | <u>10</u> | <u>60</u> | | <u>30</u> |
| <u>Ø</u> | <u>GIP 250'</u> | | | | |
| | | | | | |
| | | | | | |

Rec Total 115 BHT 134 Gravity 26 API RW — @ — °F Chlorides — ppm

| | | |
|-------------------------------------|--|---|
| (A) Initial Hydrostatic <u>2291</u> | <input checked="" type="checkbox"/> Test 1250 | T-On Location <u>6:50</u> |
| (B) First Initial Flow <u>21</u> | <input checked="" type="checkbox"/> Jars 250 | T-Started <u>10:26</u> |
| (C) First Final Flow <u>41</u> | <input checked="" type="checkbox"/> Safety Joint 75 | T-Open <u>12:51</u> |
| (D) Initial Shut-In <u>1145</u> | <input checked="" type="checkbox"/> Circ Sub <u>N/C</u> | T-Pulled <u>16:51</u> |
| (E) Second Initial Flow <u>55</u> | <input checked="" type="checkbox"/> Hourly Standby 1.75hrs 175 | T-Out <u>18:43</u> |
| (F) Second Final Flow <u>80</u> | <input checked="" type="checkbox"/> Mileage <u>236 R/T</u> 155 | Comments <u>projected time out 7:15</u> |
| (G) Final Shut-In <u>1077</u> | <input type="checkbox"/> Sampler | <u>pulled tight headed back in hole</u> |
| (H) Final Hydrostatic <u>2248</u> | <input type="checkbox"/> Straddle | <u>to circ run</u> |
| Initial Open <u>30</u> | <input type="checkbox"/> Shale Packer | <input type="checkbox"/> Ruined Shale Packer |
| Initial Shut-In <u>60</u> | <input type="checkbox"/> Extra Packer | <input checked="" type="checkbox"/> Ruined Packer 320 |
| Final Flow <u>60</u> | <input type="checkbox"/> Extra Recorder | <input type="checkbox"/> Extra Copies |
| Final Shut-In <u>90</u> | <input checked="" type="checkbox"/> Day Standby | Sub Total <u>320</u> |
| | <input type="checkbox"/> Accessibility | Total <u>2225</u> |
| | Sub Total <u>1905</u> | MP/DST Disc't |

Approved By Wesley Hansen Our Representative [Signature]

TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



Well Name & No. Sramek "B" #1-4 Test No. 4 Date 9-8-12
 Company Murrin Drilling Co. Inc. Elevation 3252 KB 3242 GL
 Address 250 N Water STE #300 Wichita, KS 67202
 Co. Rep / Geo. Wes Hansen Rig Murrin #14
 Location: Sec. 11 Twp. 3S Rge. 36W Co. Rawlins State KS

Interval Tested 4599 - 4670 Zone Tested Lbr Pawnee / Fr. Scott / Cherokee
 Anchor Length 71' Drill Pipe Run 4059 Mud Wt. 9.1
 Top Packer Depth 4595 Drill Collars Run 531 Vis 62
 Bottom Packer Depth 4599 Wt. Pipe Run Ø WL 5.6
 Total Depth 4670 Chlorides 4000 ppm System LCM 3*

Blow Description IF- 1/4" Blow built to 1"
IS- No Return
FF- No Blow
FS- No Return

| Rec | Feet of | %gas | %oil | %water | %mud |
|----------|-----------------|------------|------|-----------|------|
| <u>1</u> | <u>Free Oil</u> | <u>100</u> | | | |
| <u>9</u> | <u>OCM</u> | <u>50</u> | | <u>50</u> | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 10 BHT 135 Gravity — API RW - @ - ° F Chlorides — ppm
 (A) Initial Hydrostatic 2414 Test 1250 T-On Location 6:30 AM
 (B) First Initial Flow 26 Jars 250 T-Started 7:26 AM
 (C) First Final Flow 31 Safety Joint 75 T-Open 10:10 AM
 (D) Initial Shut-In 284 Circ Sub NIC T-Pulled 1:40 PM
 (E) Second Initial Flow 33 Hourly Standby _____ T-Out 3:32 PM
 (F) Second Final Flow 37 Mileage 100 RT 310 Comments p/u tool 9/9 10:00
 (G) Final Shut-In 204 Sampler _____
 (H) Final Hydrostatic 2347 Straddle _____
 Initial Open 30 Shale Packer _____
 Initial Shut-In 60 Shale Packer _____
 Final Flow 30 Extra Packer _____
 Final Shut-In 96 Extra Recorder _____
 Day Standby X1 1d 6.5hrs Total 2205
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1885

Approved By _____ Our Representative [Signature]

Tribotite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

acct. Prod. - LIZH

INVOICE

Invoice Number: 132545
Invoice Date: Aug 31, 2012
Page: 1



| |
|---|
| Bill To: |
| Murfin Drlg. Co., Inc. 250 N. Water STE #300 Wichita, KS 67202 |

| Customer ID | Well Name/# or Customer P.O. | Payment Terms | |
|--------------|------------------------------|---------------|----------|
| Murfin | Sramek B #1 | Net 30 Days | |
| Job Location | Camp Location | Service Date | Due Date |
| KS1-01 | Oakley | Aug 31, 2012 | 9/30/12 |

| Quantity | Item | Description | Unit Price | Amount |
|----------|------------|------------------------|------------|----------|
| 285.00 | MAT | Class A Common | 16.25 | 4,631.25 |
| 10.00 | MAT | Chloride | 58.20 | 582.00 |
| 299.26 | SER | Cubic Feet | 2.10 | 628.45 |
| 966.00 | SER | Ton Mileage | 2.35 | 2,270.10 |
| 1.00 | SER | Surface | 1,125.00 | 1,125.00 |
| 5.00 | SER | Extra Footage | 0.95 | 4.75 |
| 70.00 | SER | Pump Truck Mileage | 7.00 | 490.00 |
| 1.00 | SER | Manifold Swedge Rental | 200.00 | 200.00 |
| 70.00 | SER | Light Vehicle Mileage | 4.00 | 280.00 |
| 1.00 | CEMENTER | LaRene Wentz | | |
| 1.00 | EQUIP OPER | Tyler Flipse | | |

OK

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 3574.09

ONLY IF PAID ON OR BEFORE
Sep 25, 2012

| | |
|------------------------|------------------|
| Subtotal | 10,211.55 |
| Sales Tax | 419.67 |
| Total Invoice Amount | 10,631.22 |
| Payment/Credit Applied | |
| TOTAL | 10,631.22 |

ALLIED OIL & GAS SERVICES, LLC 056311

Federal Tax I.D.# 20-5976804

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

SERVICE POINT
Sakley, KS

Stramk B

| | | | | | | | |
|-------------------------|--------------------|-------------------------------------|--------------------|-----------------|---------------------------|-------------------------|--------------------------|
| DATE <u>8-31-12</u> | SEC. <u>11</u> | TWP. <u>3</u> | RANGE <u>36</u> | CALLED OUT | ON LOCATION <u>3:20pm</u> | JOB START <u>5:30pm</u> | JOB FINISH <u>6:00pm</u> |
| WELL # <u>Stramk 23</u> | WELL # <u>1-11</u> | LOCATION <u>McDonalds Rd (Rd 5)</u> | COUNTY <u>Rush</u> | STATE <u>KS</u> | | | |
| D OR (NBW) (Circle one) | | <u>1N, 12E, 24 W info</u> | | | <u>1.01</u> | <u>8.05</u> | |

CONTRACTOR Murphy 14

TYPE OF JOB Surface

OLE SIZE 12 1/4 T.D. 305'

ASING SIZE 8 1/8 DEPTH 305.2'

DRILLING SIZE DEPTH

RILL PIPE DEPTH

COL DEPTH

RES. MAX MINIMUM

EAS. LINE SHOE JOINT

EMENT LEFT IN CSG. 15'

IRFS.

PLACEMENT 18.57 B61

OWNER same

CEMENT AMOUNT ORDERED 285 SK Cement 390cc

COMMON 285 SK @ 16.25 4687.5

POZ MIX @

GEL @

CHLORIDE 105.61 @ 58.20 5820.00

ASC @

EQUIPMENT

JMP TRUCK CEMENTER LaRene Wente

123/281 HELPER Tyler Flipse

JLK TRUCK DRIVER Omar Garcia (TWS)

376/386 DRIVER

HANDLING 272.26943 @ 2.10 571.76

MILBAGE 19.87 @ 2.25 44.71

TOTAL 811.80

REMARKS:
mix 285 SK cement
Displace with water
 cement did circulate.
Thank you,

SERVICE

DEPTH OF JOB 305.21

PUMP TRUCK CHARGE 1125.00

EXTRA FOOTAGE 5 @ .98 4.90

MILBAGE 70 @ 2.00 140.00

MANIFOLD Swedge @ 200.00

L.V. Millage 70 @ 4.00 280.00

ORDER TO: Murphy Drilling Co.

REET

TY STATE ZIP

TOTAL 2099.90

PLUG & FLOAT EQUIPMENT

①

②

③

④

⑤

TOTAL

I, Stramk B, Allied Oil & Gas Services, LLC, do hereby request to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (if Any) 419.66

TOTAL CHARGES 10,011.70 55

DISCOUNT 35 3574.09 IF PAID IN 30 DAYS

PRINTED NAME Corey Chas

SIGNATURE [Signature]



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

Accty -

cc: WF
cc: Liz
cc: Leon J

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 252799

Invoice Date: 09/12/2012 Terms: 10/10/30,n/30 Page 1

MURFIN DRILLING
P.O. BOX 288
RUSSELL KS 67665
() -

SRAMAK B #1-11
37129
11-3-36
09-10-2012
KS

USED FOR 10103
APPROVED [Signature]

| Part Number | Description | Qty | Unit Price | Total |
|-------------|--------------------------|--------|------------|---------|
| 1126 | OIL WELL CEMENT | 225.00 | 22.5500 | 5073.75 |
| 1107 | FLO-SEAL (25#) | 56.00 | 2.8200 | 157.92 |
| 4136 | TURBOLIZER 5 1/2" | 12.00 | 72.0000 | 864.00 |
| 4255 | TYPE B BASKET SHOE 5 1/2 | 1.00 | 1466.0000 | 1466.00 |
| 4454 | 5 1/2" LATCH DOWN PLUG | 1.00 | 303.0000 | 303.00 |
| 1102 | CALCIUM CHLORIDE (50#) | 240.00 | .8900 | 213.60 |
| 1111A | SODIUM METASILICATE | 200.00 | 2.4000 | 480.00 |
| 1142 | KCL SUB MB6875 CC3107 (| 2.00 | 35.7000 | 71.40 |

| Sublet Performed | Description | Total |
|------------------|---------------------------|---------|
| 9996-130 | CEMENT MATERIAL DISCOUNT | -855.83 |
| 9996-130 | CEMENT MATERIAL DISCOUNT | -7.14 |
| 9995-130 | CEMENT EQUIPMENT DISCOUNT | -408.35 |

| | Description | Hours | Unit Price | Total |
|-----|-----------------------------|-------|------------|---------|
| 399 | CEMENT PSI CHARGES | 1.00 | 2950.00 | 2950.00 |
| 399 | EQUIPMENT MILEAGE (ONE WAY) | 50.00 | 5.00 | 250.00 |
| 460 | TON MILEAGE DELIVERY | 1.00 | 883.50 | 883.50 |

Amount Due 13402.10 if paid after 10/12/2012

| | | | | | | | |
|--------|----------|-----------|-----|---------|----------|----|----------|
| Parts: | 8629.67 | Freight: | .00 | Tax: | 620.04 | AR | 12061.89 |
| Labor: | .00 | Misc: | .00 | Total: | 12061.89 | | |
| Sublt: | -1271.32 | Supplies: | .00 | Change: | .00 | | |

Signed _____ Date _____



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

TICKET NUMBER 37129
LOCATION Oakley, KS
FOREMAN Kelly Gabe
Walt Dunkel

FIELD TICKET & TREATMENT REPORT
CEMENT

| DATE | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY | |
|-----------------|------------|--------------------|---------|----------|---------|---------|--------|
| 9-10-12 | 5406 | Sromak B#1-11 | 11 | 3 | 86 | Rawlins | |
| CUSTOMER | | MCDONALD | | TRUCK # | DRIVER | TRUCK # | DRIVER |
| MAILING ADDRESS | | 2 E | | 399 | Damon M | | |
| CITY | | 1 N | | 460 | MIKE M | | |
| STATE | | 1/2 E | | | | | |
| ZIP CODE | | N & W | | | | | |
| | | into | | | | | |

JOB TYPE Prod HOLE SIZE 7 7/8 HOLE DEPTH 4950 CASING SIZE & WEIGHT 5 1/2 15.5#
CASING DEPTH 4652 DRILL PIPE _____ TUBING Shoet 23' OTHER _____
SLURRY WEIGHT 142 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT In CASING _____
DISPLACEMENT 110 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting, rigged up on Multifindrilling rig #14
ran float equip on 27' cent. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
ran 66 JTS & circulated 5 min, ran pipe to bottom circulated 30 min,
pumped 5 bbl water flush 5 bbl water, mixed 175 sks down center,
mixed 30 sks OWC 1/4" flo-seal in BH, 20 sks M H, released plug, pumped 2 bbl
KCL, Pumped 90 bbl water with 800# lit & Plug landed at 1500', released
Pressure, float held, washed out pumps & lines, rigged down

*Thank You
Walt Dunkel*

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL |
|--------------|-------------------|------------------------------------|------------|----------|
| 5401P | 1 | PUMP CHARGE | 2950.00 | 2950.00 |
| 5406 | 50 mi | MILEAGE | 5.00 | 250.00 |
| 1126 | 225 sks | OWC | 22.55 | 5073.75 |
| 1107 | 56 # | Flo-seal | 2.83 | 157.92 |
| 5407A | 10.58 | Ton mileage delivery | 1.67 | 883.86 |
| 41136 | 12 | 5 1/2 turbalizer (w) | 720.00 | 8640.00 |
| 4255 | 1 | 5 1/2 basket shoe (I) | 1466.00 | 1466.00 |
| 4454 | 1 | 5 1/2 latchdown w/plug | 303.00 | 303.00 |
| 1102 | 240 # | calcium chloride | .89 | 213.60 |
| 111A | 200 # | sodium Metasilicate | 2.50 | 480.00 |
| 1215 | 3 gal | KCL | 35.20 | 71.40 |
| 1142 | | | | |
| | | | | 12713.12 |
| | | less 10% disc | | 1221.32 |
| | | | | 11441.85 |
| | | SALES TAX | | 620.04 |
| | | ESTIMATED TOTAL | | 12061.89 |

Revin 3737

1:15 PM AUTHORIZATION Buck Selie

TITLE _____

Completed

DATE 9-12-12

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

252799