



1150202

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: _____ _____ |
|--|---|---|

| | |
|-----------|--------------------------|
| Form | ACO1 - Well Completion |
| Operator | Landmark Resources, Inc. |
| Well Name | Sands 1-11 |
| Doc ID | 1150202 |

All Electric Logs Run

| |
|--|
| |
| Dual Induction Log |
| Dual Compensated Porosity Log |
| Borehole Compensated Sonic Log |
| Dual Comp. Porosity Mirco & Dual Induction Log |

| | |
|-----------|--------------------------|
| Form | ACO1 - Well Completion |
| Operator | Landmark Resources, Inc. |
| Well Name | Sands 1-11 |
| Doc ID | 1150202 |

Tops

| Name | Top | Datum |
|----------------|------|-------|
| Anhydrite | 2430 | 673 |
| B/Anhydrite | 2447 | 656 |
| Topeka | 3754 | -651 |
| Heebner | 3989 | -886 |
| Toronto | 4009 | -906 |
| Lansing | 4036 | -933 |
| C | 4072 | -969 |
| D | 4086 | -983 |
| E | 4123 | -1020 |
| F | 4134 | -1031 |
| Muncie Creek | 4225 | -1122 |
| H | 4236 | -1133 |
| I | 4262 | -1159 |
| J | 4297 | -1194 |
| Stark Shale | 4321 | -1218 |
| K | 4333 | -1230 |
| L | 4374 | -1271 |
| BKC | 4409 | -1306 |
| Marmaton | 4466 | -1363 |
| Altamont | 4494 | -1391 |
| Pawnee | 4546 | -1443 |
| Myrick Station | 4583 | -1480 |
| Fort Scott | 4596 | -1493 |
| Cherokee | 4623 | -1520 |

| | |
|-----------|--------------------------|
| Form | ACO1 - Well Completion |
| Operator | Landmark Resources, Inc. |
| Well Name | Sands 1-11 |
| Doc ID | 1150202 |

Tops

| Name | Top | Datum |
|-------------------|------|-------|
| Johnson Zone | 4677 | -1574 |
| Morrow Shale | 4741 | -1683 |
| Upper Morrow Sand | 4775 | -1672 |
| Lower Morrow Sand | 4800 | -1697 |
| Missippian | 4804 | -1701 |

PO Box 93999
Southlake, TX 76092

Invoice Number: 136022
Invoice Date: May 1, 2013
Page: 1

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

Bill To:

Landmark Resources, Inc.
1616 S. Voss
Suite 600
Houston, TX 77057-1264

77730

Now Includes:



| Customer ID | Field Ticket # | Payment Terms | |
|--------------|----------------|---------------|----------|
| Land | 60165 | Net 30 Days | |
| Job Location | Camp Location | Service Date | Due Date |
| KS1-01 | Oakley | May 1, 2013 | 5/31/13 |

| Quantity | Item | Description | Unit Price | Amount |
|----------|-------------|----------------------------|------------|----------|
| 190.00 | MAT | Sands #1-11 Class A Common | 17.90 | 3,401.00 |
| 4.00 | MAT | Gel | 23.40 | 93.60 |
| 7.00 | MAT | Chloride | 64.00 | 448.00 |
| 205.45 | SER | Cubic Feet | 2.48 | 509.52 |
| 515.73 | SER | Ton Mileage | 2.60 | 1,340.91 |
| 1.00 | SER | Surface | 1,512.25 | 1,512.25 |
| 55.00 | SER | Pump Truck Mileage | 7.70 | 423.50 |
| 1.00 | SER | Manifold Rental | 275.00 | 275.00 |
| 55.00 | SER | Light Vehicle Mileage | 4.40 | 242.00 |
| 1.00 | CEMENTER | Alan Ryan | | |
| 1.00 | EQUIP OPER | Wayne McGhghy | 0.00 | |
| 1.00 | OPER ASSIST | Kevin Ryan | | |
| | | | 8,573.02 + | |
| | | | 2,143.90 - | |
| | | | 6,429.12 = | |
| | | | 0.00 | |

APPROVED MAY 18 2013

Pd.
MAY 16 2013

43301

\$8,220.17

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

\$ 2,143.90

ONLY IF PAID ON OR BEFORE
May 26, 2013

| | |
|------------------------|-----------------|
| Subtotal | 8,245.78 |
| Sales Tax | 327.24 |
| Total Invoice Amount | 8,573.02 |
| Payment/Credit Applied | |
| TOTAL | 8,573.02 |



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 136023
Invoice Date: May 2, 2013
Page: 1

Bill To:
Landmark Resources, Inc.
1616 S. Voss
Suite 600
Houston, TX 77057-1264

Now Includes:



| Customer ID | Field Ticket # | Payment Terms | |
|--------------|----------------|---------------|----------|
| Land | 60166 | Net 30 Days | |
| Job Location | Camp Location | Service Date | Due Date |
| KS1-09 | Oakley | May 2, 2013 | 6/1/13 |

| Quantity | Item | Description | Unit Price | Amount |
|----------|-------------|-------------------------------|------------|----------|
| 75.00 | MAT | Sands #1-11 Class A Common | 17.90 | 1,342.50 |
| 3.00 | MAT | Chloride | 64.00 | 192.00 |
| 78.75 | SER | Cubic Feet | 2.48 | 195.30 |
| 199.71 | SER | Ton Mileage | 2.60 | 519.23 |
| 1.00 | CEMENTER | Alan Ryan | | |
| 1.00 | EQUIP OPER | Wayne McGhghy | | |
| 1.00 | OPER ASSIST | Kevin Ryan | | |

APPROVED MAY 13 2013

MAY 16 2013

43301

8220.77

000

2,376.39+

500.74-

1,791.85*

0.0

| | |
|------------------------|-----------------|
| Subtotal | 2,249.03 |
| Sales Tax | 127.36 |
| Total Invoice Amount | 2,376.39 |
| Payment/Credit Applied | |
| TOTAL | 2,376.39 |

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

\$ 584.74

ONLY IF PAID ON OR BEFORE
May 27, 2013

ALLIED OIL & GAS SERVICES, LLC 060166

Federal Tax I.D. # 20-8651475

P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Packley

| | | | | | | | |
|-------------------------|--------------------|---------------------------------------|-----------------|------------|---------------------|-------------------------|--------------------------|
| <i>5/2/13</i> | SEC. <i>11</i> | TWP. <i>12</i> | RANGE <i>34</i> | CALLED OUT | ON LOCATION | JOB START <i>8:30am</i> | JOB FINISH <i>9:00am</i> |
| ASE <i>Sandy</i> | WELL # <i>1-11</i> | LOCATION <i>pace 45 1/2 E No Wido</i> | | | COUNTY <i>Scott</i> | STATE <i>K</i> | |
| OLD OR NEW (Circle one) | | | | | | | |

CONTRACTOR *Murphy 20*

TYPE OF JOB *1" TO Surface*

HOLE SIZE *12 1/4* FD. *266*

CASING SIZE *25/8* DEPTH *266*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER *Same*

CEMENT AMOUNT ORDERED *25 Com 390 CC*

EQUIPMENT

PUMP TRUCK CEMENTER *Alan Ryan*

422 HELPER *Wayne McElghy*

BULK TRUCK DRIVER *Kevin Ryan*

347

BULK TRUCK DRIVER

COMMON *25* @ *17.20* *1342.00*

POZMIX @

GEL @

CHLORIDE *3* @ *64.00* *192.00*

ASC @

HANDLING *78.75* @ *2.40* *195.00*

MILEAGE *26.70/mile* *3.631* *519.25*

TOTAL *2249.03*

REMARKS:

*Run 25 cks down B-side of 8558
to Circulate Cement to Surface*

*Thank to
Alan Ryan, Kevin*

CHARGE TO: *LandMark Resources*

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

@

@

@

@

TOTAL

I, the undersigned, for Allied Oil & Gas Services, LLC, do hereby request you are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is 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.

PRINTED NAME *Breg Condren*

SIGNATURE *Breg Condren*

SALES TAX (If Any)

TOTAL CHARGES *2249.03*

DISCOUNT *584.74* IF PAID IN 30 DAYS

1,664.28 Net



CONSOLIDATED
Oil Well Services, LLC

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

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

INVOICE

Invoice # 258766

=====
Invoice Date: 05/14/2013 Terms: 10/10/30,n/30 Page 1

LANDMARK RESORUCES
1616 S. VOSS ROAD SUITE 150
HOUSTON TX 77057
(713)243-8550

SANDS 1-11
39951
11-17-34
05-13-2013
KS

| Part Number | Description | Qty | Unit Price | Total |
|-------------|-------------------------|---------|------------|---------|
| 1126 | OIL WELL CEMENT | 175.00 | 23.7000 | 4147.50 |
| 1110A | KOL SEAL (50# BAG) | 1050.00 | .5600 | 588.00 |
| 1131 | 60/40 POZ MIX | 500.00 | 15.8600 | 7930.00 |
| 1118B | PREMIUM GEL / BENTONITE | 3440.00 | .2700 | 928.80 |
| 1107 | FLO-SEAL (25#) | 125.00 | 2.9700 | 371.25 |
| 4161 | FLOAT SHOE 4 1/2" AFU | 1.00 | 359.0000 | 359.00 |
| 4129 | CENTRALIZER 4 1/2" | 12.00 | 48.5000 | 582.00 |
| 4103 | CEMENT BASKET 4 1/2" | 3.00 | 275.0000 | 825.00 |
| 4283 | DV TOOL W/ LATCH DOWN | 1.00 | 4042.5000 | 4042.50 |
| 1144G | MUD FLUSH (SALE) | 500.00 | 1.0000 | 500.00 |

| Sublet Performed | Description | Total |
|------------------|---------------------------|----------|
| 9996-130 | CEMENT MATERIAL DISCOUNT | -2027.41 |
| 9995-130 | CEMENT EQUIPMENT DISCOUNT | -575.26 |

| Description | Hours | Unit Price | Total |
|---------------------------------|-------|------------|---------|
| 399 SINGLE PUMP | 1.00 | 3175.00 | 3175.00 |
| 399 EQUIPMENT MILEAGE (ONE WAY) | 45.00 | 5.25 | 236.25 |
| T-127 TON MILEAGE DELIVERY | 1.00 | 1170.67 | 1170.67 |
| 566 TON MILEAGE DELIVERY | 1.00 | 1170.68 | 1170.68 |

Amount Due 27709.40 if paid after 06/13/2013

| | | | | | | | |
|--------|----------|-----------|-----|---------|----------|----|----------|
| Parts: | 20274.05 | Freight: | .00 | Tax: | 1514.47 | AR | 24938.45 |
| Labor: | .00 | Misc: | .00 | Total: | 24938.45 | | |
| Sublt: | -2602.67 | Supplies: | .00 | Change: | .00 | | |

Signed _____

Date _____



CONSOLIDATED
Oil Well Services, LLC

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

258766

TICKET NUMBER 39951
LOCATION Oakley Ks
FOREMAN Walt Dunkel

FIELD TICKET & TREATMENT REPORT
CEMENT

| DATE | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|-----------------|------------|--------------------|----------|---------------|---------|--------|
| 5-13-13 | 4883 | Sands 1-11 | 11 | 173 | 343 | Scott |
| CUSTOMER | | | TRUCK # | DRIVER | TRUCK # | DRIVER |
| Landmark | | | 399 | Damon Miller | | |
| MAILING ADDRESS | | | 566 | Stan | | |
| CITY | | | 528-7127 | Jordan London | | |
| STATE | | | | Jack Johnson | | |
| ZIP CODE | | | | | | |

JOB TYPE Prod HOLE SIZE 7 7/8" HOLE DEPTH 4900' CASING SIZE & WEIGHT 4 1/2" 10.5#
 CASING DEPTH 4898' DRILL PIPE _____ TUBING _____ OTHER DV-2423'
 SLURRY WEIGHT 14.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 42.19
 DISPLACEMENT 97 1/2 DISPLACEMENT PSI _____ MIX PSI _____ RATE 6 BPM

REMARKS: Safety Meeting, rig up on Muc Fin #20, Run Float Equipment
circ on bottom 45 min, Pump 500 gal Mud Flush, mixed 175 sks o/wc
6# Kolseal, clear Pump + Lines, release Plug and Displace 40 BBL water + 37 mud
@ 700#, Landed Plug @ 1200#, release Pressure Float Held.
open DV Tool, Circ 4 hrs. Pump 30 sks cement in Ritt, 20 sks in M.H.
Mixed 450 sks 69/40 per, 8% Gel, 1/4" Flo-Seal, Clear Pump + Lines
release Plug + Displace 38 BBL H2O @ 800#, Landed Plug @ 1500#
release Pressure, Float Held.
Cement Did Circ Thank You
Walt + crew

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL |
|--------------|-------------------|------------------------------------|-----------------|------------|
| 5401c | 1 | PUMP CHARGE | 3,175.00 | 3,175.00 |
| 5406 | 45 | MILEAGE | 5.25 | 236.25 |
| 1126 | 175 sks | OWC | 23.20 | 4,147.50 |
| 1110A | 10.50 # | Kolseal | .56 | 588.00 |
| 1131 | 500 sks | 69/40 per | 15.86 | 7,930.00 |
| 1118B | 3440 # | Gel | .27 | 928.80 |
| 1107 | 125 # | Flo-Seal | 2.97 | 371.25 |
| 5407A | 29.73 | Ton Mileage Delivery | 1.75 | 2,341.35 |
| 4161 | 1 | 4 1/2" Float Shoe | 359.00 | 359.00 |
| 4129 | 12 | 4 1/2" Centralizers | 48.50 | 582.00 |
| 4103 | 3 | 4 1/2" Baskets | 275.00 | 825.00 |
| 4283 | 1 | 4 1/2" DV Tool w/ Latch down Plug | 4,042.50 | 4,042.50 |
| 1144G | 500 gal | mud Flush | 1.00 | 500.00 |
| | | | | 26,026.65 |
| | | Loss 10% Disc | | - 2,602.67 |
| | | | | 23,423.98 |
| | | | SALES TAX | 1514.47 |
| | | | ESTIMATED TOTAL | 24938.45 |

Ravin 3737

AUTHORIZATION [Signature] TITLE _____ 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

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

July 26, 2013

Jeff Wood
Landmark Resources, Inc.
1616 S VOSS RD STE 600
HOUSTON, TX 77057-2641

Re: ACO1
API 15-171-20948-00-00
Sands 1-11
SW/4 Sec.11-17S-34W
Scott 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,
Jeff Wood



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc**

1616 S Voss Rd Ste 600
Houston, TX 77057

ATTN: Brad Rine

Sands #1-11

11-17s-34w Scott,KS

Start Date: 2013.05.08 @ 02:14:00

End Date: 2013.05.08 @ 09:46:15

Job Ticket #: 53119 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.05.14 @ 14:02:32



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Landmark Resources, Inc

11-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston, TX 77057

Sands #1-11

Job Ticket: 53119

DST#: 1

ATTN: Brad Rine

Test Start: 2013.05.08 @ 02:14:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:22:00

Time Test Ended: 09:46:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Sam Esparza

Unit No: 64

Interval: 4439.00 ft (KB) To 4475.00 ft (KB) (TVD)

Reference Elevations: 3103.00 ft (KB)

Total Depth: 4475.00 ft (KB) (TVD)

3092.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8845 Outside

Press @ Run Depth: 56.88 psig @ 4440.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.08

End Date: 2013.05.08

Last Calib.: 2013.05.08

Start Time: 02:14:05

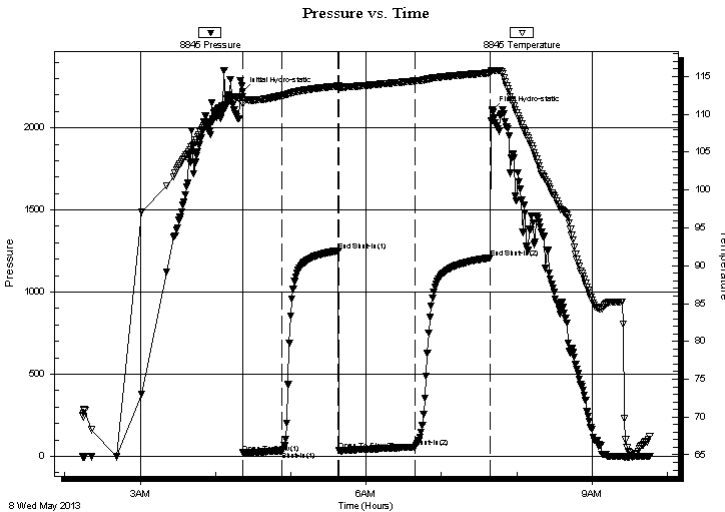
End Time: 09:46:14

Time On Btm: 2013.05.08 @ 04:21:45

Time Off Btm: 2013.05.08 @ 07:40:30

TEST COMMENT: IF: 2" Blow.
IS: No Return.
FF: 2 1/2" Blow.
FS: No Return.

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2221.62 | 112.32 | Initial Hydro-static |
| 1 | 20.30 | 111.46 | Open To Flow (1) |
| 32 | 33.04 | 112.49 | Shut-In(1) |
| 76 | 1251.22 | 113.76 | End Shut-In(1) |
| 77 | 36.72 | 113.32 | Open To Flow (2) |
| 137 | 56.88 | 114.41 | Shut-In(2) |
| 198 | 1209.25 | 115.50 | End Shut-In(2) |
| 199 | 2106.72 | 115.76 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 55.00 | OCM 10o 90m | 0.27 |
| 15.00 | GO 10g 90o | 0.07 |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources, Inc

11-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston, TX 77057

Sands #1-11

Job Ticket: 53119

DST#: 1

ATTN: Brad Rine

Test Start: 2013.05.08 @ 02:14:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4262.00 ft | Diameter: 3.80 inches | Volume: 59.78 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: 30000.00 lb |
| Drill Collar: | Length: 179.00 ft | Diameter: 2.25 inches | Volume: 0.88 bbl | Weight to Pull Loose: 80000.00 lb |
| | | | <u>Total Volume: 60.66 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 30.00 ft | | | String Weight: Initial 64000.00 lb |
| Depth to Top Packer: | 4439.00 ft | | | Final 64000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 36.00 ft | | | |
| Tool Length: | 64.00 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 | | | 4412.00 | |
| Shut In Tool | 5.00 | | | 4417.00 | |
| Hydraulic tool | 5.00 | | | 4422.00 | |
| Jars | 5.00 | | | 4427.00 | |
| Safety Joint | 3.00 | | | 4430.00 | |
| Packer | 5.00 | | | 4435.00 | 28.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4439.00 | |
| Stubb | 1.00 | | | 4440.00 | |
| Recorder | 0.00 | 6772 | Outside | 4440.00 | |
| Recorder | 0.00 | 8845 | Outside | 4440.00 | |
| Perforations | 30.00 | | | 4470.00 | |
| Bullnose | 5.00 | | | 4475.00 | 36.00 Bottom Packers & Anchor |

Total Tool Length: 64.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources, Inc

11-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston, TX 77057

Sands #1-11

Job Ticket: 53119

DST#: 1

ATTN: Brad Rine

Test Start: 2013.05.08 @ 02:14:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

23 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 55.00 | OCM 10o 90m | 0.270 |
| 15.00 | GO 10g 90o | 0.074 |

Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

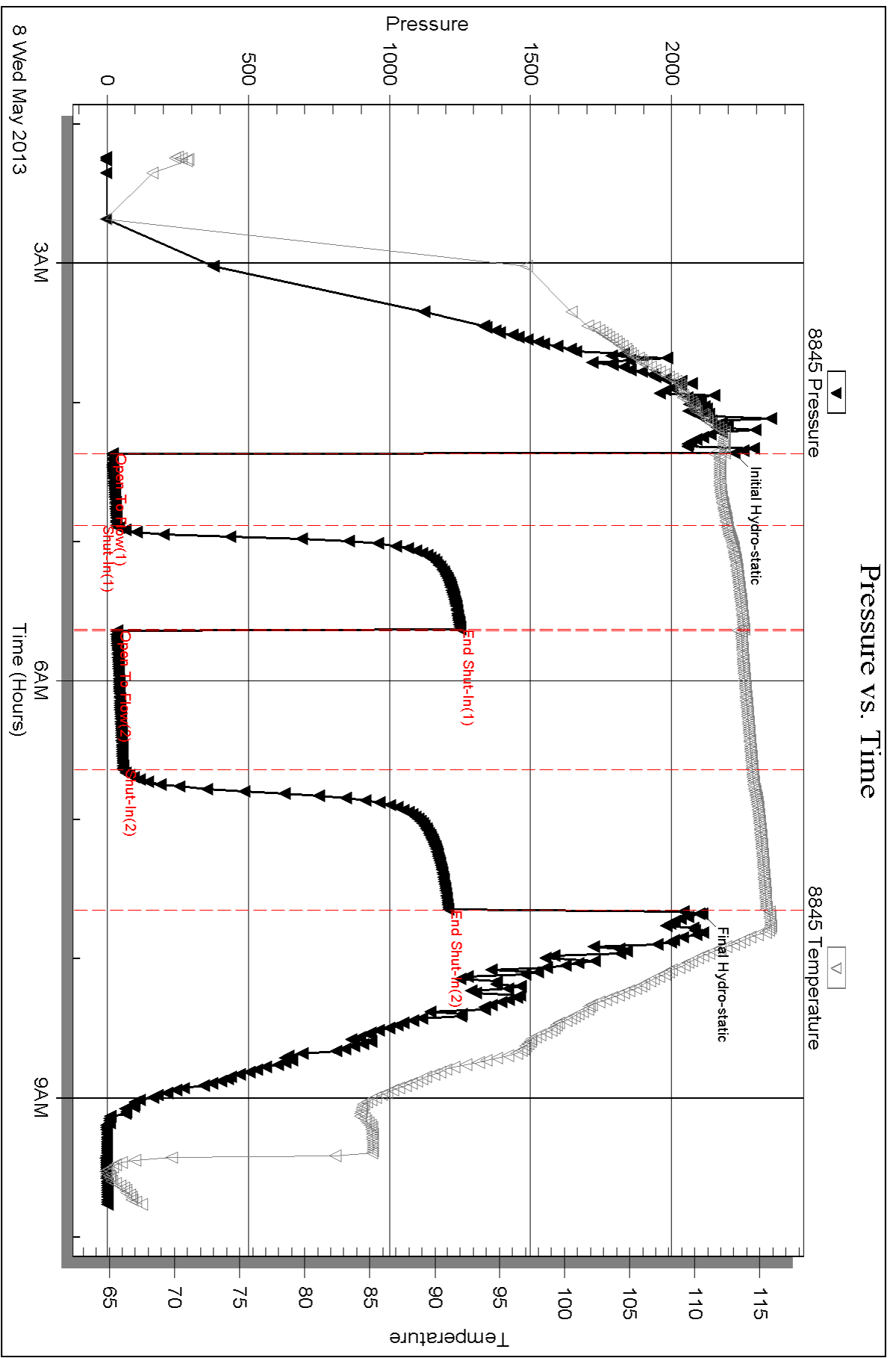
Recovery Comments: 24 @ 70 degrees= 23 API

Serial #: 8845

Outside Landmark Resources, Inc

Sands #1-11

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 53119

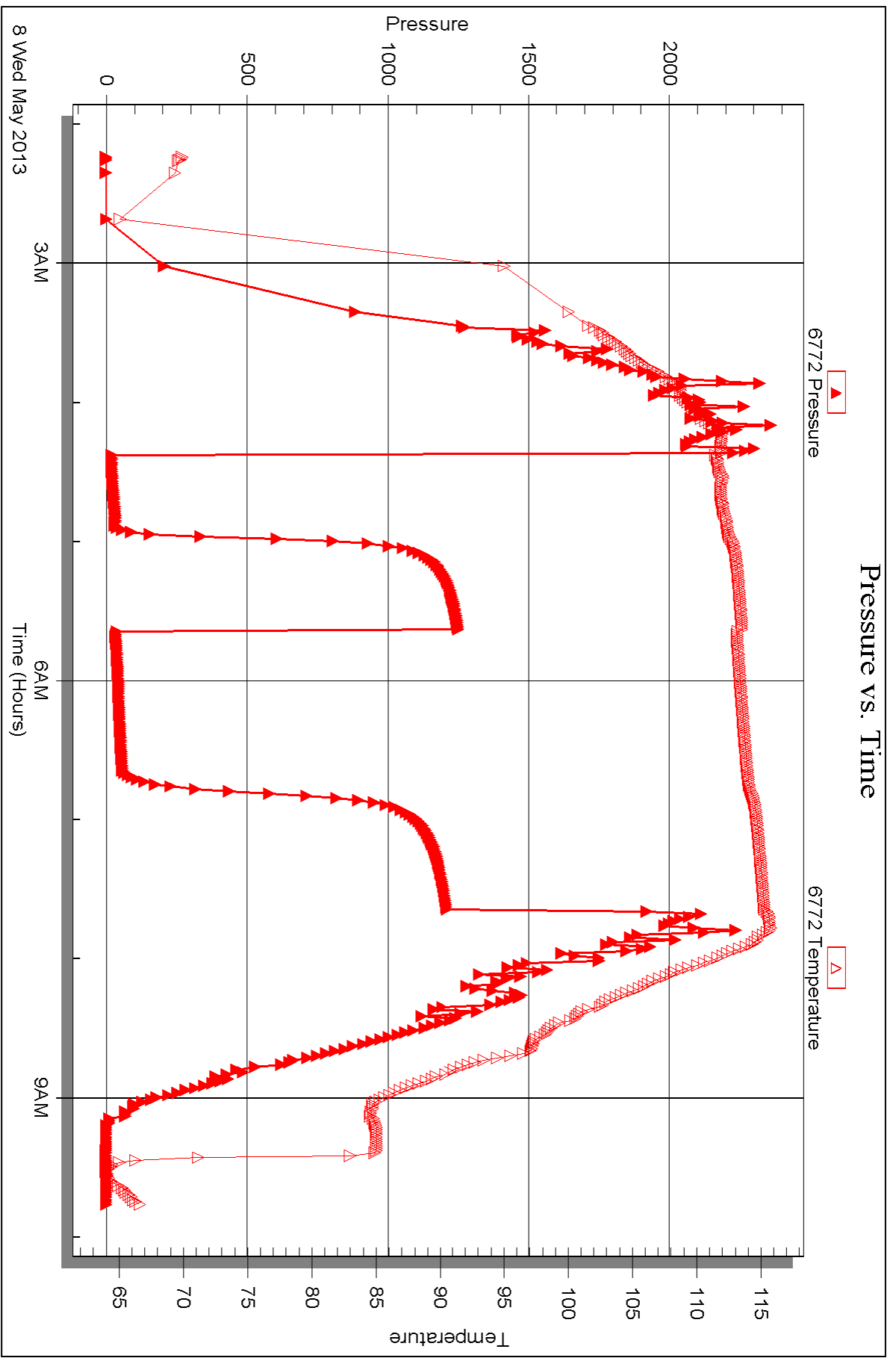
Printed: 2013.05.14 @ 14:02:35

Serial #: 6772

Outside Landmark Resources, Inc

Sands #1-11

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 53119

Printed: 2013.05.14 @ 14:02:36



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc**

1616 S Voss Rd Ste 600
Houston, TX 77057

ATTN: Brad Rine

Sands #1-11

11-17s-34w Scott,KS

Start Date: 2013.05.09 @ 00:39:00

End Date: 2013.05.09 @ 08:38:30

Job Ticket #: 53120 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.05.14 @ 14:01:44

Landmark Resources, Inc
11-17s-34w Scott,KS
Sands #1-11
DST # 2
Altamont
2013.05.09



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Landmark Resources, Inc

11-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston, TX 77057

Sands #1-11

Job Ticket: 53120

DST#: 2

ATTN: Brad Rine

Test Start: 2013.05.09 @ 00:39:00

GENERAL INFORMATION:

Formation: **Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:34:15

Time Test Ended: 08:38:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 64

Interval: 4475.00 ft (KB) To 4532.00 ft (KB) (TVD)

Reference Elevations: 3103.00 ft (KB)

Total Depth: 4532.00 ft (KB) (TVD)

3092.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8845 Outside

Press @ Run Depth: 83.56 psig @ 4476.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.09

End Date: 2013.05.09

Last Calib.: 2013.05.09

Start Time: 00:39:05

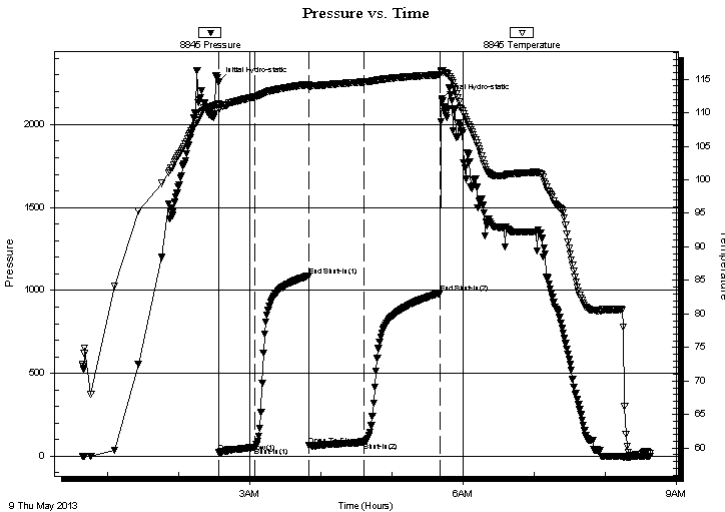
End Time: 08:38:29

Time On Btm: 2013.05.09 @ 02:34:00

Time Off Btm: 2013.05.09 @ 05:42:15

TEST COMMENT: IF: 5 3/4" Blow.
IS: No Return.
FF: 8 3/4" Blow.
FS: 1" Return.

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2259.12 | 111.30 | Initial Hydro-static |
| 1 | 21.33 | 110.54 | Open To Flow (1) |
| 31 | 54.58 | 112.38 | Shut-In(1) |
| 76 | 1088.73 | 114.22 | End Shut-In(1) |
| 77 | 66.90 | 113.93 | Open To Flow (2) |
| 123 | 83.56 | 114.60 | Shut-In(2) |
| 187 | 985.06 | 115.68 | End Shut-In(2) |
| 189 | 2158.02 | 116.31 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|------------------|--------------|
| 60.00 | GOCM 10g 15o 75m | 0.30 |
| 140.00 | GO 20g 80o | 0.88 |
| 0.00 | 120' 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

Landmark Resources, Inc

11-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston, TX 77057

Sands #1-11

Job Ticket: 53120

DST#: 2

ATTN: Brad Rine

Test Start: 2013.05.09 @ 00:39:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4295.00 ft | Diameter: 3.80 inches | Volume: 60.25 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: 30000.00 lb |
| Drill Collar: | Length: 179.00 ft | Diameter: 2.25 inches | Volume: 0.88 bbl | Weight to Pull Loose: 75000.00 lb |
| | | | <u>Total Volume: 61.13 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 27.00 ft | | | String Weight: Initial 66000.00 lb |
| Depth to Top Packer: | 4475.00 ft | | | Final 66000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 57.00 ft | | | |
| Tool Length: | 85.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 4448.00 | |
| Shut In Tool | 5.00 | | | 4453.00 | |
| Hydraulic tool | 5.00 | | | 4458.00 | |
| Jars | 5.00 | | | 4463.00 | |
| Safety Joint | 3.00 | | | 4466.00 | |
| Packer | 5.00 | | | 4471.00 | 28.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4475.00 | |
| Stubb | 1.00 | | | 4476.00 | |
| Recorder | 0.00 | 6772 | Outside | 4476.00 | |
| Recorder | 0.00 | 8845 | Outside | 4476.00 | |
| Perforations | 18.00 | | | 4494.00 | |
| Change Over Sub | 1.00 | | | 4495.00 | |
| Drill Pipe | 31.00 | | | 4526.00 | |
| Change Over Sub | 1.00 | | | 4527.00 | |
| Bullnose | 5.00 | | | 4532.00 | 57.00 Bottom Packers & Anchor |

Total Tool Length: 85.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources, Inc

11-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston, TX 77057

Sands #1-11

Job Ticket: 53120

DST#: 2

ATTN: Brad Rine

Test Start: 2013.05.09 @ 00:39:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

23 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|------------------|---------------|
| 60.00 | GOCM 10g 15o 75m | 0.295 |
| 140.00 | GO 20g 80o | 0.880 |
| 0.00 | 120' GIP | 0.000 |

Total Length: 200.00 ft Total Volume: 1.175 bbl

Num Fluid Samples: 0

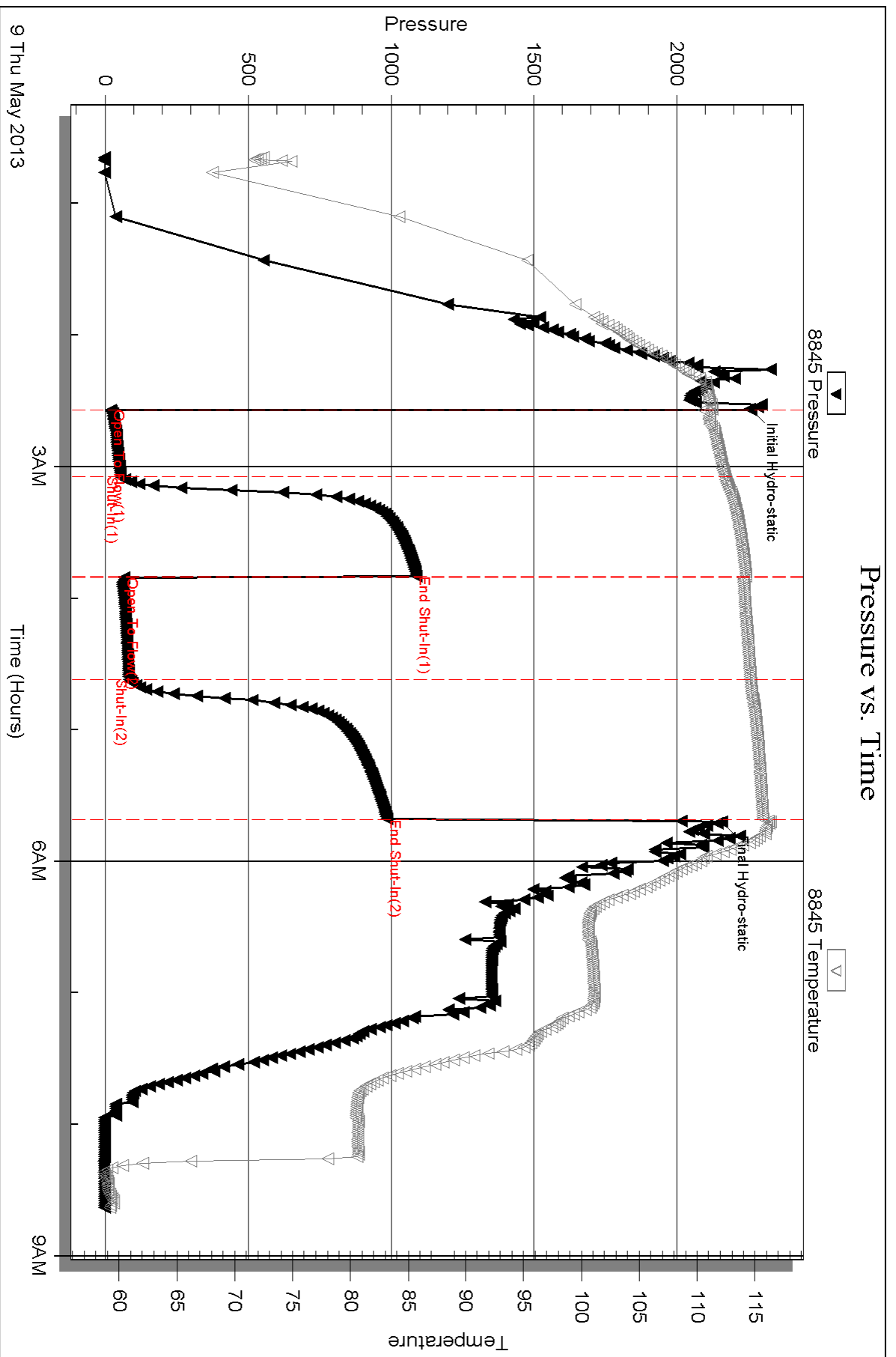
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Oil API: 23 @ 60 degrees= 23 API

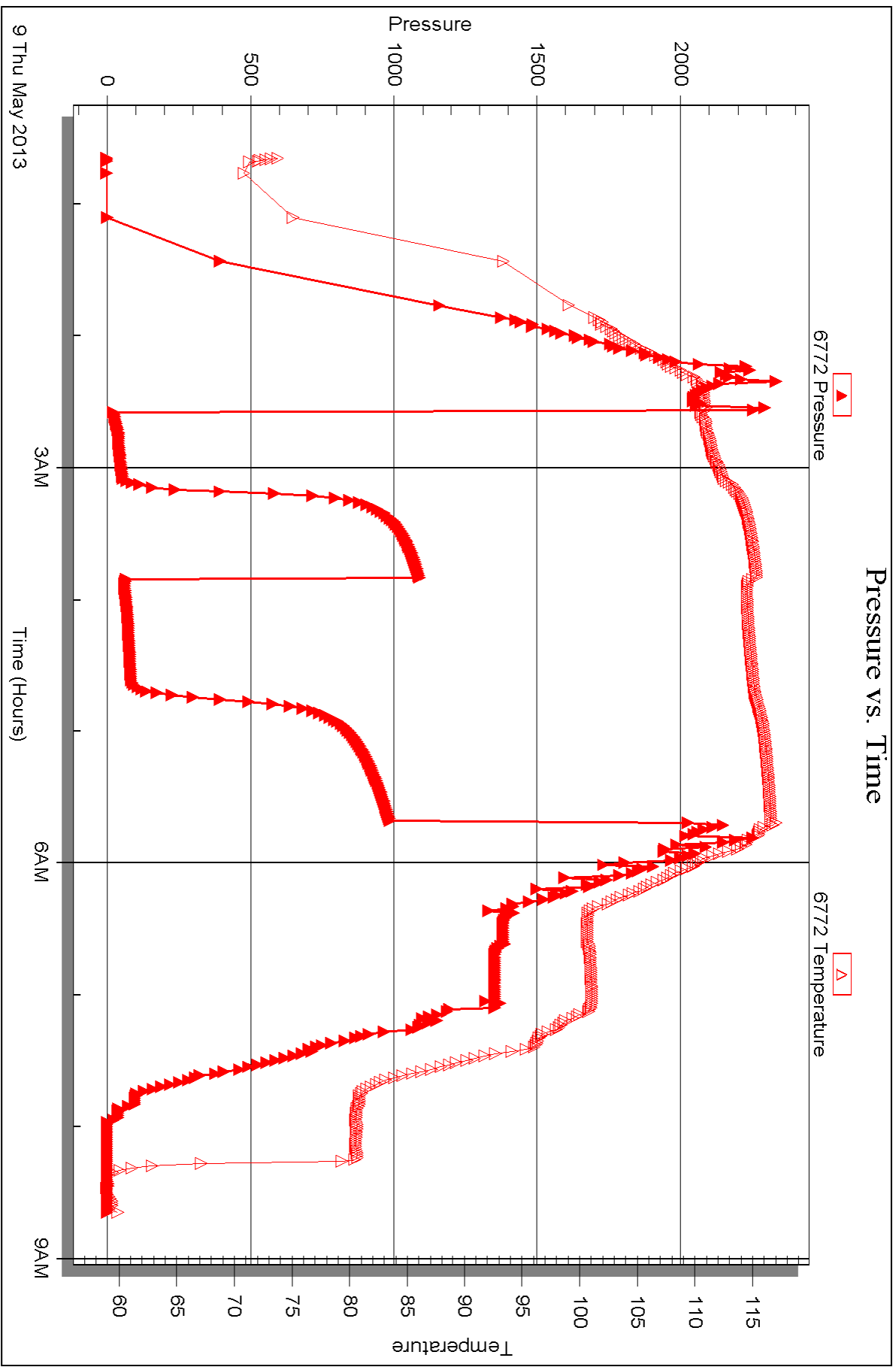


Serial #: 6772

Outside Landmark Resources, Inc

Sands #1-11

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc**

1616 S Voss Rd Ste 600
Houston, TX 77057

ATTN: Brad Rine

Sands #1-11

11-17s-34w Scott,KS

Start Date: 2013.05.10 @ 04:28:00

End Date: 2013.05.10 @ 10:47:15

Job Ticket #: 53121 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.05.14 @ 14:00:54

Landmark Resources, Inc

11-17s-34w Scott,KS

Sands #1-11

DST # 3

Pawnee, Myric Statio

2013.05.10



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Landmark Resources, Inc

11-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston, TX 77057

Sands #1-11

Job Ticket: 53121

DST#: 3

ATTN: Brad Rine

Test Start: 2013.05.10 @ 04:28:00

GENERAL INFORMATION:

Formation: **Pawnee, Myric Statio**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:31:30

Time Test Ended: 10:47:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 64

Interval: 4532.00 ft (KB) To 4625.00 ft (KB) (TVD)

Reference Elevations: 3103.00 ft (KB)

Total Depth: 4625.00 ft (KB) (TVD)

3092.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8845 Outside

Press @ RunDepth: 18.80 psig @ 4533.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.10 End Date: 2013.05.10

Last Calib.: 2013.05.10

Start Time: 04:28:05 End Time: 10:47:14

Time On Btm: 2013.05.10 @ 06:31:15

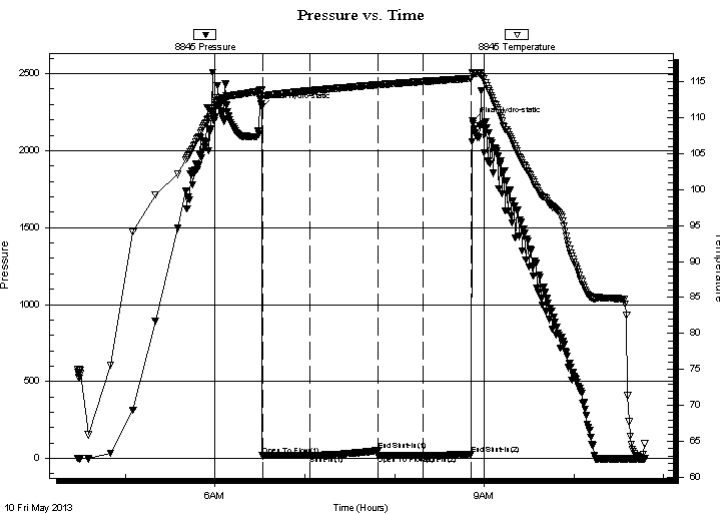
Time Off Btm: 2013.05.10 @ 08:52:15

TEST COMMENT: IF: Weak surface Blow died @ 9 min.

IS: No Return.

FF: No Blow .

FS: No Return.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2282.47 | 113.83 | Initial Hydro-static |
| 1 | 17.80 | 112.89 | Open To Flow (1) |
| 32 | 19.12 | 113.74 | Shut-In(1) |
| 78 | 50.68 | 114.56 | End Shut-In(1) |
| 78 | 17.78 | 114.55 | Open To Flow (2) |
| 108 | 18.80 | 115.02 | Shut-In(2) |
| 140 | 28.80 | 115.45 | End Shut-In(2) |
| 141 | 2191.42 | 116.04 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 5.00 | Mud 100m | 0.02 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources, Inc

11-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston, TX 77057

Sands #1-11

Job Ticket: 53121

DST#: 3

ATTN: Brad Rine

Test Start: 2013.05.10 @ 04:28:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------------------|
| Drill Pipe: | Length: 4355.00 ft | Diameter: 3.80 inches | Volume: 61.09 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: 30000.00 lb |
| Drill Collar: | Length: 179.00 ft | Diameter: 2.25 inches | Volume: 0.88 bbl | Weight to Pull Loose: 70000.00 lb |
| | | | Total Volume: 61.97 bbl | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 30.00 ft | | | String Weight: Initial 64000.00 lb |
| Depth to Top Packer: | 4532.00 ft | | | Final 64000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 93.00 ft | | | |
| Tool Length: | 121.00 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 | | | 4505.00 | |
| Shut In Tool | 5.00 | | | 4510.00 | |
| Hydraulic tool | 5.00 | | | 4515.00 | |
| Jars | 5.00 | | | 4520.00 | |
| Safety Joint | 3.00 | | | 4523.00 | |
| Packer | 5.00 | | | 4528.00 | 28.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4532.00 | |
| Stubb | 1.00 | | | 4533.00 | |
| Recorder | 0.00 | 6772 | Outside | 4533.00 | |
| Recorder | 0.00 | 8845 | Outside | 4533.00 | |
| Perforations | 22.00 | | | 4555.00 | |
| Change Over Sub | 1.00 | | | 4556.00 | |
| Drill Pipe | 63.00 | | | 4619.00 | |
| Change Over Sub | 1.00 | | | 4620.00 | |
| Bullnose | 5.00 | | | 4625.00 | 93.00 Bottom Packers & Anchor |

Total Tool Length: 121.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources, Inc

11-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston, TX 77057

Sands #1-11

Job Ticket: 53121

DST#: 3

ATTN: Brad Rine

Test Start: 2013.05.10 @ 04:28:00

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 5.00 | Mud 100m | 0.025 |

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

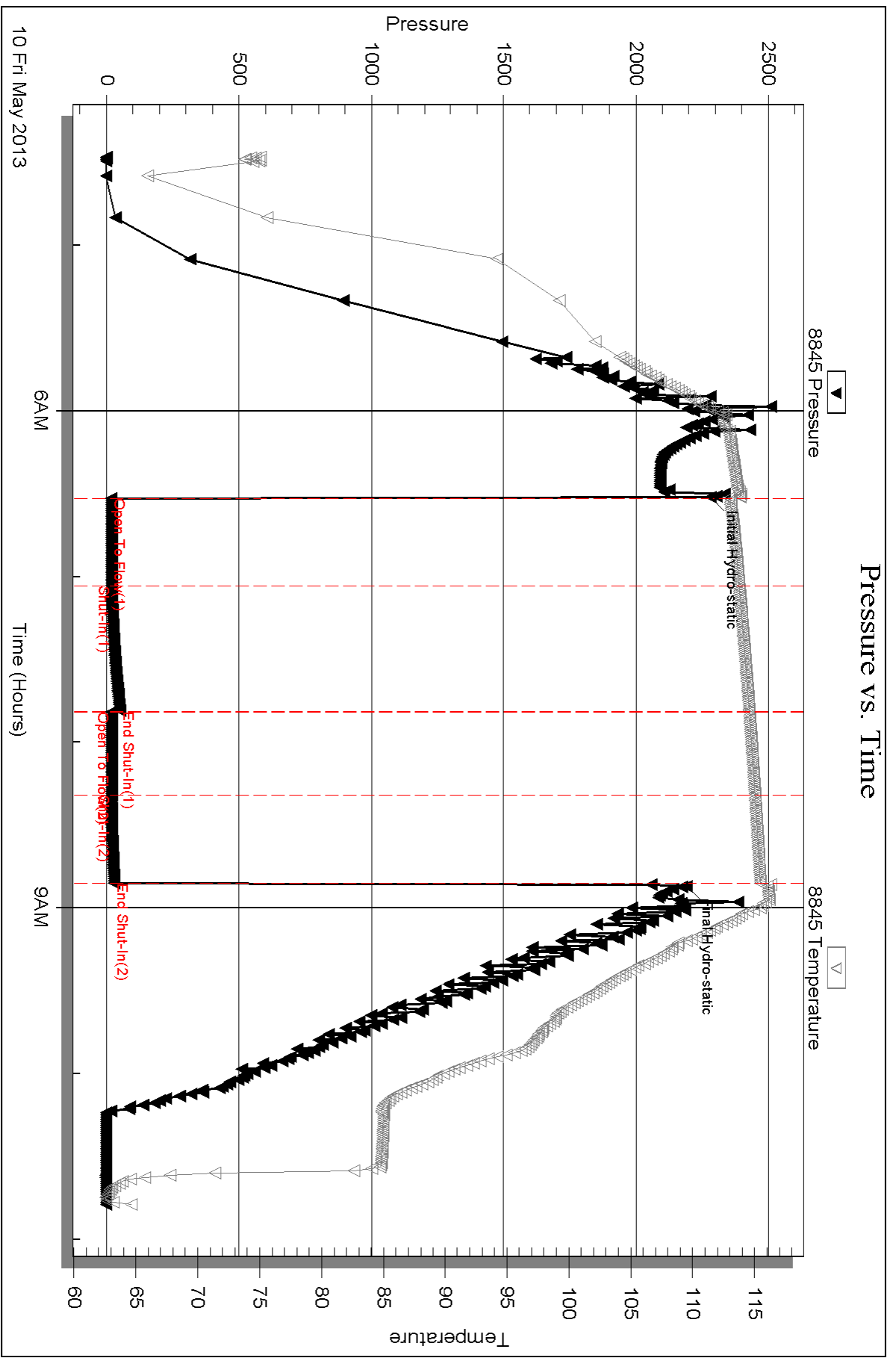
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

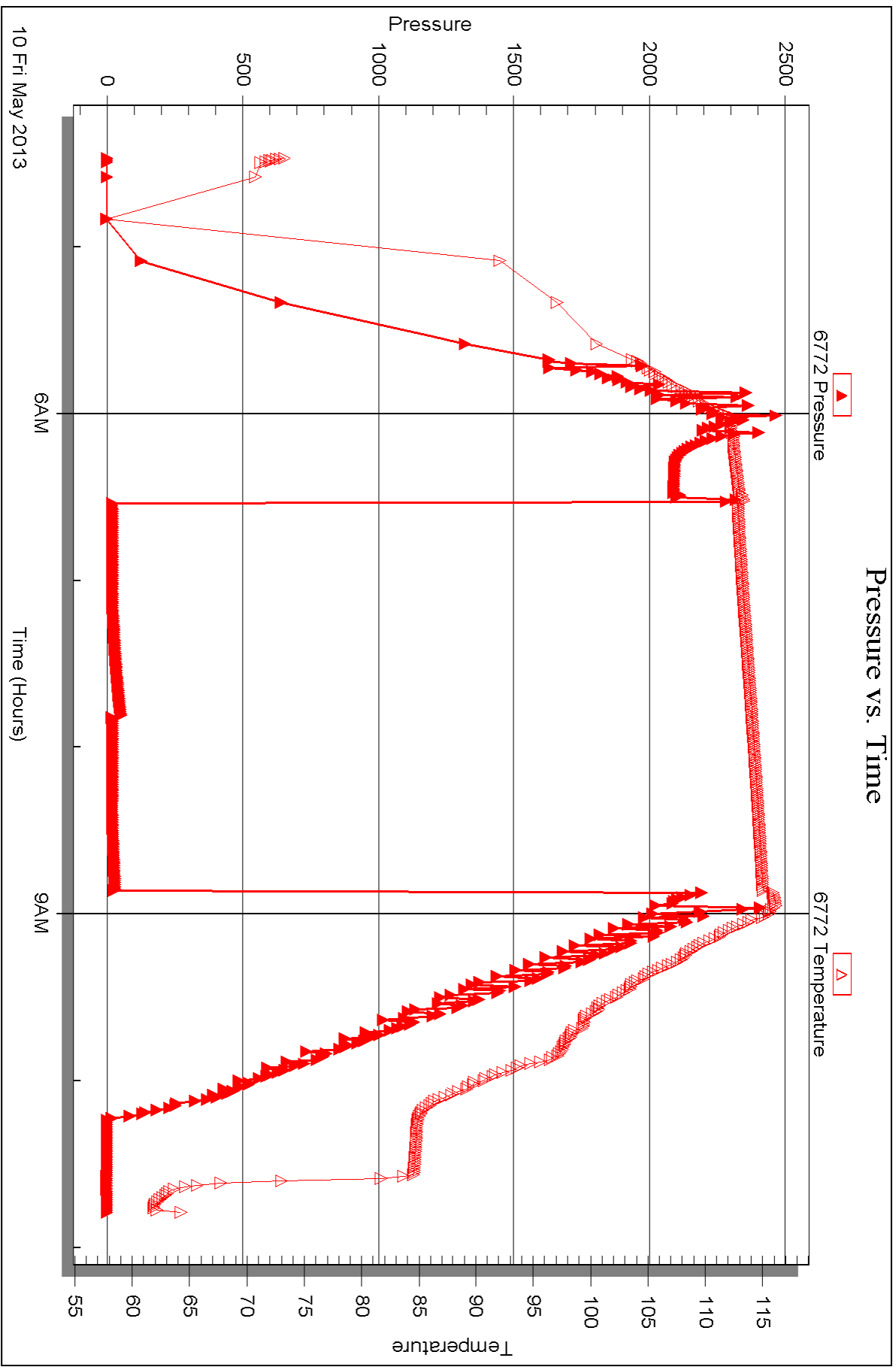


Serial #: 6772

Outside Landmark Resources, Inc

Sands #1-11

DST Test Number: 3



10 Fri May 2013

6AM

Time (Hours)

9AM



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc**

1616 S Voss Rd Ste 600
Houston, TX 77057

ATTN: Brad Rine

Sands #1-11

11-17s-34w Scott,KS

Start Date: 2013.05.11 @ 06:09:00

End Date: 2013.05.11 @ 13:12:30

Job Ticket #: 53122 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.05.14 @ 13:59:33

Landmark Resources, Inc

11-17s-34w Scott,KS

Sands #1-11

DST # 4

Cherokee, Johnson

2013.05.11



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Landmark Resources, Inc
 1616 S Voss Rd Ste 600
 Houston, TX 77057
 ATTN: Brad Rine

11-17s-34w Scott,KS

Sands #1-11

Job Ticket: 53122

DST#: 4

Test Start: 2013.05.11 @ 06:09:00

GENERAL INFORMATION:

Formation: **Cherokee, Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:51:00

Time Test Ended: 13:12:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 64

Interval: 4633.00 ft (KB) To 4730.00 ft (KB) (TVD)

Reference Elevations: 3103.00 ft (KB)

Total Depth: 4730.00 ft (KB) (TVD)

3092.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8845 Outside

Press @ Run Depth: 18.32 psig @ 4634.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.11 End Date: 2013.05.11

Last Calib.: 2013.05.11

Start Time: 06:09:05 End Time: 13:12:29

Time On Btm: 2013.05.11 @ 08:50:45

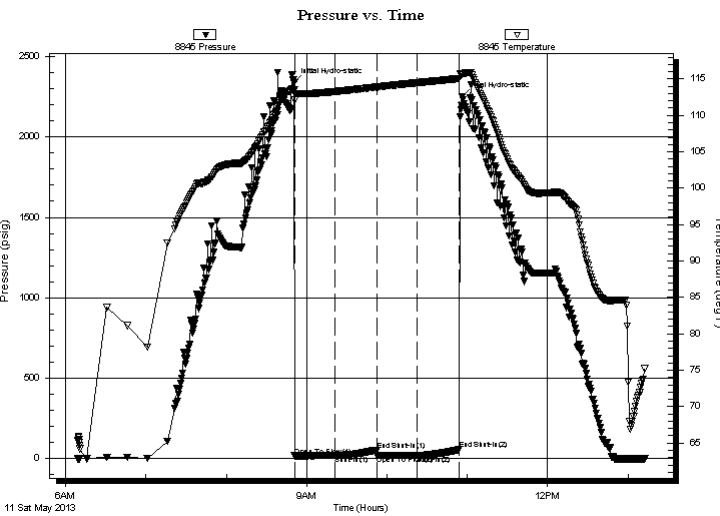
Time Off Btm: 2013.05.11 @ 10:56:15

TEST COMMENT: IF: Weak surface Blow died @ 27 min.

IS: No Return.

FF: No Blow.

FS: No Return.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2337.10 | 113.48 | Initial Hydro-static |
| 1 | 16.20 | 112.07 | Open To Flow (1) |
| 31 | 17.84 | 113.26 | Shut-In(1) |
| 62 | 51.79 | 113.89 | End Shut-In(1) |
| 62 | 17.19 | 113.89 | Open To Flow (2) |
| 92 | 18.32 | 114.48 | Shut-In(2) |
| 124 | 55.27 | 115.05 | End Shut-In(2) |
| 126 | 2248.53 | 115.66 | Final Hydro-static |

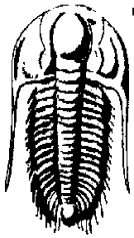
Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------|--------------|
| 5.00 | Mud 100m (Oil Spots) | 0.02 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Landmark Resources, Inc

11-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston, TX 77057

Sands #1-11

Job Ticket: 53122

DST#: 4

ATTN: Brad Rine

Test Start: 2013.05.11 @ 06:09:00

GENERAL INFORMATION:

Formation: **Cherokee, Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:51:00

Time Test Ended: 13:12:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 64

Interval: **4633.00 ft (KB) To 4730.00 ft (KB) (TVD)**

Reference Elevations: 3103.00 ft (KB)

Total Depth: 4730.00 ft (KB) (TVD)

3092.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 6772 Outside

Press @ RunDepth: psig @ 4634.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.11 End Date: 2013.05.11

Last Calib.: 2013.05.11

Start Time: 06:09:05 End Time: 13:12:44

Time On Btm:

Time Off Btm:

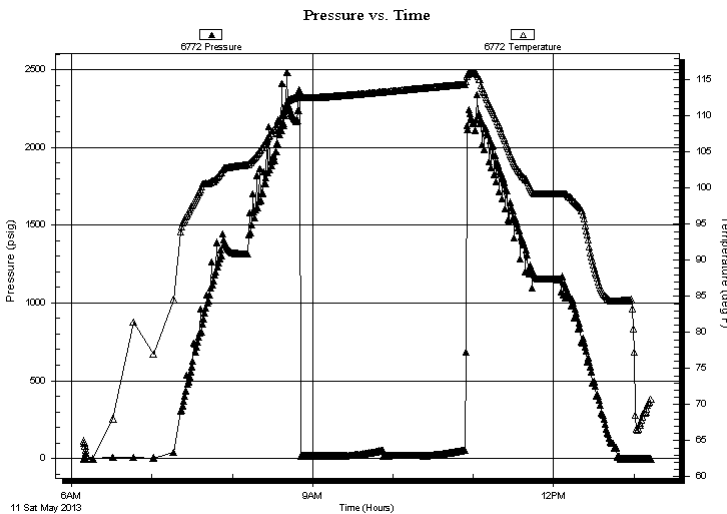
TEST COMMENT: IF: Weak surface Blow died @ 27 min.

IS: No Return.

FF: No Blow .

FS: No Return.

PRESSURE SUMMARY



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

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------|--------------|
| 5.00 | Mud 100m (Oil Spots) | 0.02 |
| | | |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources, Inc

11-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston, TX 77057

Sands #1-11

Job Ticket: 53122

DST#: 4

ATTN: Brad Rine

Test Start: 2013.05.11 @ 06:09:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4451.00 ft | Diameter: 3.80 inches | Volume: 62.44 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 30000.00 lb |
| Drill Collar: | Length: 179.00 ft | Diameter: 2.25 inches | Volume: 0.88 bbl | Weight to Pull Loose: 80000.00 lb |
| | | | <u>Total Volume: 63.32 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 25.00 ft | | | String Weight: Initial 66000.00 lb |
| Depth to Top Packer: | 4633.00 ft | | | Final 66000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 97.00 ft | | | |
| Tool Length: | 125.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 4606.00 | |
| Shut In Tool | 5.00 | | | 4611.00 | |
| Hydraulic tool | 5.00 | | | 4616.00 | |
| Jars | 5.00 | | | 4621.00 | |
| Safety Joint | 3.00 | | | 4624.00 | |
| Packer | 5.00 | | | 4629.00 | 28.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 4633.00 | |
| Stubb | 1.00 | | | 4634.00 | |
| Recorder | 0.00 | 6772 | Outside | 4634.00 | |
| Recorder | 0.00 | 8845 | Outside | 4634.00 | |
| Perforations | 26.00 | | | 4660.00 | |
| Change Over Sub | 1.00 | | | 4661.00 | |
| Drill Pipe | 63.00 | | | 4724.00 | |
| Change Over Sub | 1.00 | | | 4725.00 | |
| Bullnose | 5.00 | | | 4730.00 | 97.00 Bottom Packers & Anchor |

Total Tool Length: 125.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources, Inc

11-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston, TX 77057

Sands #1-11

Job Ticket: 53122

DST#: 4

ATTN: Brad Rine

Test Start: 2013.05.11 @ 06:09:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|----------------------|---------------|
| 5.00 | Mud 100m (Oil Spots) | 0.025 |

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

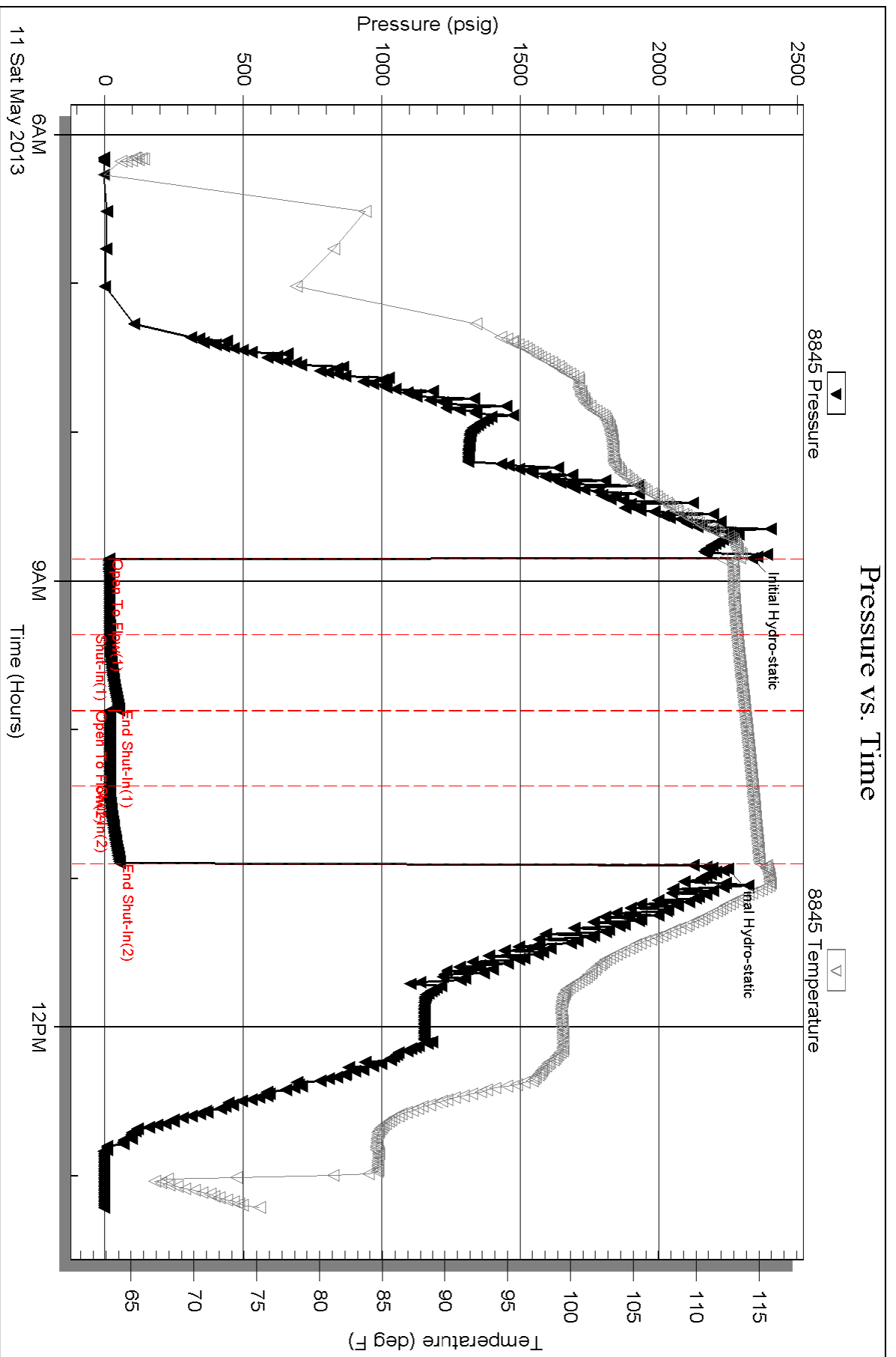
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

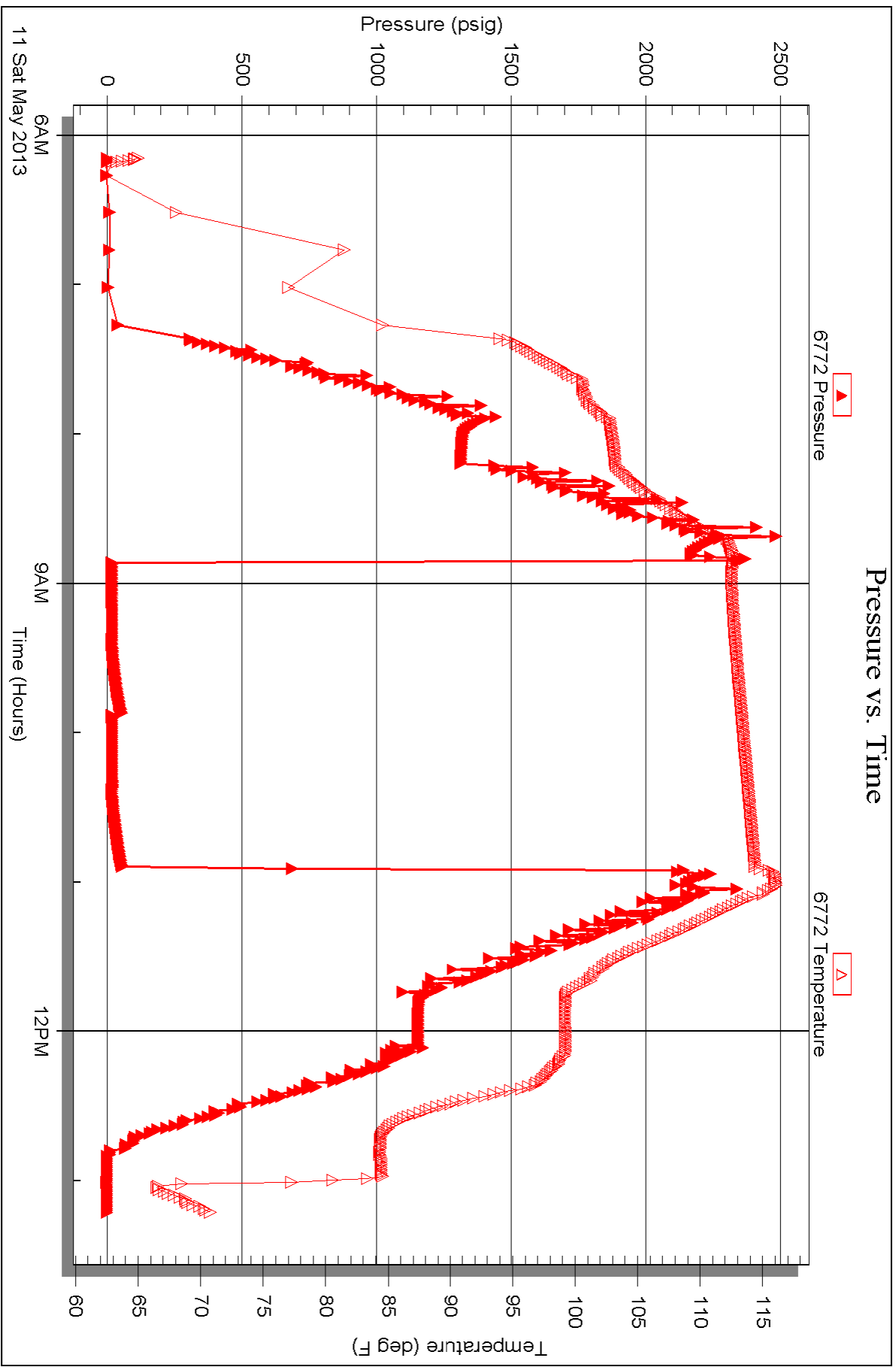


Serial #: 6772

Outside Landmark Resources, Inc

Sands #1-11

DST Test Number: 4





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53119

Well Name & No. Sands #1-11 Test No. 1 Date 5/8/13
 Company Landmark Resources, Inc Elevation 3103 KB 3692 GL
 Address 1616 S VOSS RD STE 600 Houston, TX 77057
 Co. Rep / Geo. Brad Rine Rig Murfin #20
 Location: Sec. 11 Twp. 179 Rge. 34W Co. Scott State KS

Interval Tested 4439-4475 Zone Tested Marmston
 Anchor Length 36 Drill Pipe Run 4262 Mud Wt. 9.3
 Top Packer Depth 4435 Drill Collars Run 179 Vis 60
 Bottom Packer Depth 4439 Wt. Pipe Run Ø WL 8.0
 Total Depth 4475 Chlorides 4500 ppm System LCM 3

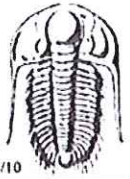
Blow Description I.F.: 2" Blow.
ISI: No Return
FF: 2 1/2" Blow.
FSI: No Returns

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|------------|-----------|-----------|--------|-----------|
| <u>15</u> | <u>60</u> | <u>10</u> | <u>90</u> | | |
| <u>55</u> | <u>ØCM</u> | | <u>10</u> | | <u>90</u> |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 70' BHT Ø 116 Gravity 23 API RW - @ - °F Chlorides - ppm
 (A) Initial Hydrostatic 2222 Test 1250 T-On Location 1:00
 (B) First Initial Flow 20 Jars 250 T-Started 2:14
 (C) First Final Flow Ø 33 Safety Joint 75 T-Open 4:22
 (D) Initial Shut-In 1251 Circ Sub N/C T-Pulled 7:39
 (E) Second Initial Flow 37 Hourly Standby _____ T-Out 9:46
 (F) Second Final Flow 57 Mileage 44 R/T 68.20 Comments 24 @ 70' = 23 API
 (G) Final Shut-In 1209 Sampler _____
 (H) Final Hydrostatic 2107 Straddle _____

Initial Open 30 Shale Packer _____
 Initial Shut-In 45 Ruined Packer _____
 Final Flow 60 Extra Packer _____
 Final Shut-In 60 Extra Recorder _____
 Sub Total 0
 Total 1643.20
 MP/DST Disc't _____
 Sub Total 1643.20

Approved By Brad Rine 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. 53120

Well Name & No. Sands #1-11 Test No. 2 Date 5/8/13
 Company Landmark Resources, Inc. Elevation 3103 KB 3092 GL
 Address 1616 S VOSS RD STE 600 Houston, TX 77057
 Co. Rep / Geo. Brad Rine Rig Murfin #20
 Location: Sec. 11 Twp. 17S Rge. 34W Co. Scott State KS

Interval Tested 4475-4532 Zone Tested Altamont
 Anchor Length 57 Drill Pipe Run 4295 Mud Wt. 9.3
 Top Packer Depth 4471 Drill Collars Run 179 Vis 57
 Bottom Packer Depth 4475 Wt. Pipe Run Ø WL 8.0
 Total Depth 4532 Chlorides 5200 ppm System LCM 4
 Blow Description IF: 5 3/4" Blow.
ISI: No Return.
FF: 8 3/4" Blow.
FSI: 1" Return.

| Rec | Feet of | %gas | %oil | %water | %mud |
|-------------|-------------|-----------|-----------|--------|-----------|
| <u>140</u> | <u>70</u> | <u>20</u> | <u>80</u> | | |
| <u>60</u> | <u>600M</u> | <u>10</u> | <u>15</u> | | <u>75</u> |
| <u>120'</u> | <u>GIP</u> | | | | |
| | | | | | |
| | | | | | |

Rec Total 200 BHT 116 Gravity 23 API RW — @ — °F Chlorides — ppm
 (A) Initial Hydrostatic 2259 Test 1250 T-On Location 23:30
 (B) First Initial Flow 21 Jars 250 T-Started 00:39
 (C) First Final Flow 55 Safety Joint 75 T-Open 2:34
 (D) Initial Shut-In 1089 Circ Sub N/C T-Pulled 5:41 ← wait on Driller's P.H.
 (E) Second Initial Flow 67 Hourly Standby T-Out 8:38
 (F) Second Final Flow 84 Mileage 44 R/T 68.20 Comments Wait on Cat
 (G) Final Shut-In 985 Sampler Stuck in mud!
 (H) Final Hydrostatic 2158 Straddle 23@60°: 23 API

Ruined Shale Packer
 Ruined Packer
 Extra Packer
 Extra Copies
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1643.20
 Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60
 Sub Total 0
 Total 1643.20
 MP/DST Disc't

Approved By Brad Rine Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53121

Well Name & No. Sands #1-11 Test No. 3 Date 5/10/13
 Company Ladmark Resources, Inc Elevation 3103 KB 3892 GL
 Address 1616 S Voss RD STE 600 Houston, TX 77057
 Co. Rep / Geo. Brad Rine Rig Murphy #20
 Location: Sec. 11 Twp. 17S Rge. 34W Co. Scott State KS

Interval Tested 4532-4625 Zone Tested Pawnee, Myric station, Ft. Scott
 Anchor Length 93' Drill Pipe Run 4355 Mud Wt. 9.2
 Top Packer Depth 4528 Drill Collars Run 179 Vis 51
 Bottom Packer Depth 4532 Wt. Pipe Run Ø WL 8.8
 Total Depth 4625 Chlorides 5800 ppm System LCM 4

Blow Description IF: Weak surface Blow Died @ 9 min.
ISI: NO Returns
FF: NO Blow
FSI: NO Returns

| Rec | Feet of | %gas | %oil | %water | %mud |
|----------|------------|------|------|--------|------------|
| <u>5</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 Total 5 BHT 116 Gravity _____ API RW _____ @ _____ F Chlorides _____ ppm

| | | | | | |
|-------------------------|-------------|--|--------------------|---------------|----------------------------------|
| (A) Initial Hydrostatic | <u>2282</u> | <input checked="" type="checkbox"/> Test | <u>1250</u> | T-On Location | <u>4:10</u> |
| (B) First Initial Flow | <u>18</u> | <input checked="" type="checkbox"/> Jars | <u>250</u> | T-Started | <u>4:28</u> |
| (C) First Final Flow | <u>19</u> | <input checked="" type="checkbox"/> Safety Joint | <u>75</u> | T-Open | <u>6:31</u> |
| (D) Initial Shut-In | <u>51</u> | <input checked="" type="checkbox"/> Circ Sub | <u>N/C</u> | T-Pulled | <u>8:51</u> |
| (E) Second Initial Flow | <u>18</u> | <input type="checkbox"/> Hourly Standby | | T-Out | <u>10:47</u> |
| (F) Second Final Flow | <u>19</u> | <input checked="" type="checkbox"/> Mileage | <u>44 RT</u> 68.20 | Comments | <u>Wait on cut stuck in mud!</u> |
| (G) Final Shut-In | <u>29</u> | <input type="checkbox"/> Sampler | | | |
| (H) Final Hydrostatic | <u>2191</u> | <input type="checkbox"/> Straddle | | | |

| | | | | | |
|-----------------|-----------|---|----------------|--|----------------|
| Initial Open | <u>30</u> | <input type="checkbox"/> Shale Packer | | <input type="checkbox"/> Ruined Shale Packer | |
| Initial Shut-In | <u>45</u> | <input type="checkbox"/> Extra Packer | | <input type="checkbox"/> Ruined Packer | |
| Final Flow | <u>30</u> | <input type="checkbox"/> Extra Recorder | | Sub Total | <u>0</u> |
| Final Shut-In | <u>30</u> | <input type="checkbox"/> Day Standby | | Total | <u>1643.20</u> |
| | | <input type="checkbox"/> Accessibility | | MP/ST Disc't | |
| | | Sub Total | <u>1643.20</u> | | |

Approved By Brad Rine Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53122

Well Name & No. Sands #1-11 Test No. 4 Date 5/11/13
 Company Landmark Resources, Inc Elevation 3103 KB 3092 GL
 Address 1616 S Voss RD STE 600 Houston, TX 77057
 Co. Rep / Geo. Brad Rine Rig Murfin #20
 Location: Sec. 11 Twp. 17.5 Rge. 34W Co. Scott State KS

Interval Tested 4633-4730 Zone Tested Cherokee, Johnson
 Anchor Length 97' Drill Pipe Run 4451 Mud Wt. 9.3
 Top Packer Depth 4629 Drill Collars Run 179 Vis 10.0 SO
 Bottom Packer Depth 4633 Wt. Pipe Run 0 WL 10.4
 Total Depth 4730 Chlorides 8000 ppm System LCM 4

Blow Description IF: ideal surface Blow det @ 27 min:
ISI: No Return.
FF: No Blw.
FST: No Return.

| Rec | Feet of | %gas | %oil | %water | %mud |
|----------|------------------------|------|------|------------|------|
| <u>5</u> | <u>Mud (oil spots)</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 Total 5 BHT 115 Gravity — API RW — @ — ° F Chlorides — ppm

| | | | | | |
|-------------------------|-------------|--|---------------------|---------------|--------------------|
| (A) Initial Hydrostatic | <u>2337</u> | <input checked="" type="checkbox"/> Test | <u>1250</u> | T-On Location | <u>6:00</u> |
| (B) First Initial Flow | <u>16</u> | <input checked="" type="checkbox"/> Jars | <u>250</u> | T-Started | <u>6:09</u> |
| (C) First Final Flow | <u>18</u> | <input checked="" type="checkbox"/> Safety Joint | <u>75</u> | T-Open | <u>8:51</u> |
| (D) Initial Shut-In | <u>52</u> | <input checked="" type="checkbox"/> Circ Sub | <u>N/C</u> | T-Pulled | <u>10:53</u> |
| (E) Second Initial Flow | <u>17</u> | <input type="checkbox"/> Hourly Standby | | T-Out | <u>13:12</u> |
| (F) Second Final Flow | <u>18</u> | <input checked="" type="checkbox"/> Mileage | <u>44 R/T 68.20</u> | Comments | <u>Loaded 7/15</u> |
| (G) Final Shut-In | <u>55</u> | <input type="checkbox"/> Sampler | | | |
| (H) Final Hydrostatic | <u>2249</u> | <input type="checkbox"/> Straddle | | | |

| | | | | | |
|-----------------|-----------|---|----------------|--|----------------|
| Initial Open | <u>30</u> | <input type="checkbox"/> Shale Packer | | <input type="checkbox"/> Ruined Shale Packer | |
| Initial Shut-In | <u>30</u> | <input type="checkbox"/> Extra Packer | | <input type="checkbox"/> Ruined Packer | |
| Final Flow | <u>30</u> | <input type="checkbox"/> Extra Recorder | | <input type="checkbox"/> Extra Copies | |
| Final Shut-In | <u>30</u> | <input type="checkbox"/> Day Standby | | Sub Total | <u>0</u> |
| | | <input type="checkbox"/> Accessibility | | Total | <u>1643.20</u> |
| | | Sub Total | <u>1643.20</u> | MP/DST Disc't | |

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