

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1254597  
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
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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: \_\_\_\_\_

1254597

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
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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
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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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Wesseler Trust 1-34
Doc ID	1254597

All Electric Logs Run

Dual Induction
Dual Compensated Porosity Log
Borehole Compensated Sonic Log
Microresistivity Log
Gamma Ray / Caliper Log

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Wessler Trust 1-34
Doc ID	1254597

Tops

Name	Top	Datum
Anhydrite	2444	699
B/ Anhydrite	2464	679
Topeka	3757	-614
Heebner	3997	-854
Toronto	4012	-869
Lansing	4041	-898
C	4078	-935
D	4092	-949
E	4128	-985
F	4138	-995
G	4152	-1009
Muncie Creek	4222	-1079
H	4232	-1089
I	4270	-1127
J	4294	-1151
Stark Shale	4320	-1177
K	4328	-1185
L	4378	-1235
BKC	4408	-1265
Marmaton	4467	-1324
Altamont	4498	-1355
Pawnee	4542	-1399
Myrick Station	4584	-1441
Fort Scott	4593	-1450

Form	ACO1 - Well Completion
Operator	Landmark Resources, Inc.
Well Name	Wesseler Trust 1-34
Doc ID	1254597

Tops

Name	Top	Datum
Cherokee	4620	-1477
Johnson Zone	4664	-1521
Morrow Shale	4742	-1599
Upper Morrow Sd	4793	-1650
Missippian	4802	-1659





# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 149561  
Invoice Date: May 13, 2015  
Page: 1

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

PAID JUN 01 2015  
CK# 48352  
\$ 12,840.29

Federal Tax I.D.#: 20-8651475

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

71730

APPROVED MAY 28 2015

Customer ID	Field Ticket #	Payment Terms	
Land	64733	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	May 13, 2015	6/12/15

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Wesseler Trust #1-34		
185.00	CEMENT MATERIALS	Class A Common	17.90	3,311.50
522.00	CEMENT MATERIALS	Chloride	1.10	574.20
194.25	CEMENT SERVICE	Cubic Feet Charge	2.48	481.74
358.40	CEMENT SERVICE	Ton Mileage Charge	2.75	985.60
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
40.00	CEMENT SERVICE	Pump Truck Mileage	7.70	308.00
1.00	CEMENT SERVICE	Swedge Manifold Rental	275.00	275.00
40.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	176.00
1.00	CEMENT SUPERVISOR	Andrew Forslund		
1.00	CEMENT SUPERVISOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Darren Racette		

0 \* \*

Subtotal	7,940.97 +	7,624.29
Sales Tax	2,897.23 -	316.68
Total Invoice Amount		7,940.97
Payment/Credit Appli	5,043.74 +	
<b>TOTAL</b>		<b>7,940.97</b>

000

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

\$ 2,897.23

ONLY IF PAID ON OR BEFORE

Jun 12, 2015

# ALLIED OIL & GAS SERVICES, LLC 064733

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:  
Oakley

DATE <u>5-13-15</u>	SEC <u>34</u>	TWP <u>16</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION <u>4:30 p.m.</u>	JOB START <u>5:00 p.m.</u>	JOB FINISH <u>6:00 p.m.</u>
Wesseler LEASE <u>Trust</u>				WELL# <u>1-34</u>	LOCATION <u>Pence 2 1/2 S</u>	COUNTY <u>Scott</u>	STATE <u>Ks</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR Murfin 21

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 267'

CASING SIZE 8 5/8 DEPTH 220'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15'

PERFS. \_\_\_\_\_

DISPLACEMENT 16.25 BBL

**EQUIPMENT**

PUMP TRUCK # 431 CEMENTER Andrew Eastland  
HELPER Paul Beaver

BULK TRUCK # 323 DRIVER Darren Racette

BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

OWNER Same

CEMENT AMOUNT ORDERED 185 sks cem 3860

COMMON 185 sks @ 17.90 3311.50

POZMIX @ \_\_\_\_\_

GEL @ \_\_\_\_\_

CHLORIDE 522# @ 1.10 574.20

ASC @ \_\_\_\_\_

@ \_\_\_\_\_

Material Total @ \_\_\_\_\_ 3,885.70

@ \_\_\_\_\_

(1476.57/383) @ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

HANDLING 194.35 cu/ft @ 2.48 481.74

MILEAGE 2.25 100/mile @ 8.9670 985.10

TOTAL \_\_\_\_\_

**REMARKS:**

Cement did circulate

Thank you

CHARGE TO: Landmark

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**SERVICE**

DEPTH OF JOB 220'

PUMP TRUCK CHARGE 1572.25

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE 40 miles @ 7.20 308.00

MANIFOLD Sledge @ \_\_\_\_\_ 225.00

Light vehicle @ 4.40 126.00

@ \_\_\_\_\_

(1420.66/383) TOTAL 3,738.59

**PLUG & FLOAT EQUIPMENT**

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

TOTAL \_\_\_\_\_

To: Allied Oil & Gas Services, LLC.  
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 Juan Tinoco

SIGNATURE Juan Tinoco

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 7,624.29

DISCOUNT 2,897.23 (38%) IF PAID IN 30 DAYS

4,727.05 Net.





# INVOICE

P.O. Box 205803  
Dallas, TX 75320-5803

Invoice Number: 149639  
Invoice Date: May 21, 2015  
Page: 1

Voice: (832) 482-3742  
Fax: (832) 482-3738

PAID JUN 09 2015  
CK# 48416  
\$23,483.23

Federal Tax I.D.#: 20-8651475

**Bill To:**

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

73550

APPROVED JUN 03 2015

Customer ID	Field Ticket #	Payment Terms	
Land	67801	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	May 21, 2015	6/20/15

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Wesseler Trust #1-34		
282.00	CEMENT MATERIALS	Gel	0.50	141.00
150.00	CEMENT MATERIALS	ASC	23.50	3,525.00
425.00	CEMENT MATERIALS	Light Weight	19.88	8,449.00
750.00	CEMENT MATERIALS	Gilsonite	0.98	735.00
106.00	CEMENT MATERIALS	Flo Seal	2.97	314.82
42.00	CEMENT MATERIALS	FL-160	18.90	793.80
21.00	CEMENT MATERIALS	Powdered Defoamer	3.50	73.50
12.00	CEMENT MATERIALS	Mud Clean	41.09	493.08
780.00	CEMENT MATERIALS	Salt	0.68	530.40
662.98	CEMENT SERVICE	Cubic Feet Charge	2.48	1,644.19
1,262.70	CEMENT SERVICE	Ton Mileage Charge	2.75	3,472.43
1.00	CEMENT SERVICE	Production -- Bottom Stage	2,765.75	2,765.75
1.00	CEMENT SERVICE	Production -- Top Stage	2,443.75	2,443.75
45.00	CEMENT SERVICE	Pump Truck Mileage	7.70	346.50
45.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	198.00
1.00	CEMENT SERVICE	Manifold Head Rental	275.00	275.00
1.00	EQUIPMENT SALES	5-1/2 AFU Float Shoe	545.00	545.00
1.00	EQUIPMENT SALES	5-1/2 Latch Down Flex Assembly	660.00	660.00
1.00	EQUIPMENT SALES	5-1/2 D V Tool	5,335.00	5,335.00
13.00	EQUIPMENT SALES	5-1/2 Turbolizer	95.00	1,235.00

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

\$ 13,208.07

ONLY IF PAID ON OR BEFORE

Jun 20, 2015

Subtotal	Continued
Sales Tax	Continued
Total Invoice Amount	Continued
Payment/Credit Applied	
<b>TOTAL</b>	<b>Continued</b>



P.O. Box 205803  
 Dallas, TX 75320-5803

Voice: (832) 482-3742  
 Fax: (832) 482-3738

# INVOICE

Invoice Number: 149639  
 Invoice Date: May 21, 2015  
 Page: 2

Federal Tax I.D.#: 20-8651475

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

Customer ID	Field Ticket #	Payment Terms	
Land	67801	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	May 21, 2015	6/20/15

Quantity	Item	Description	Unit Price	Amount
2.00	EQUIPMENT SALES	5-1/2 Basket	395.00	790.00
1.00	CEMENT SUPERVISOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Brandon Wilkinson		
1.00	EQUIPMENT OPERATOR	Darren Racette		
1.00	EQUIPMENT OPERATOR	Kevin Ryan		

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

\$ 13,208.07

ONLY IF PAID ON OR BEFORE

Jun 20, 2015

Subtotal	13,208.07 -	34,766.22
Sales Tax	36,691.30 +	1,925.08
Total Invoice Amount	000	36,691.30
Payment/Credit Applied	23,483.23 +	
<b>TOTAL</b>		<b>36,691.30</b>

# ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. #20-5975804

067801

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Oakley, KS

DATE <u>5-21-15</u>	SEC <u>34</u>	TWP. <u>16N</u>	RANGE <u>34W</u>	CALLED OUT	ON LOCATION <u>11:00 a.m.</u>	Bottom - <u>6:00 p.m. - 7:00 p.m.</u>	JOB START <u>11:00 p.m.</u>	JOB FINISH <u>12:00 a.m.</u>
LEASE <u>Wesseler Trust</u>	WELL# <u>1-34</u>	LOCATION <u>Pence, 1345, Einto</u>	COUNTY <u>Scott</u>	STATE <u>KS</u>				
OLD OR <u>NEW</u> (Circle one)								

CONTRACTOR <u>Martin 21</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Production (2 stage)</u>	
HOLE SIZE <u>7 7/8</u>	I.D. <u>4880'</u>
CASING SIZE <u>5 1/2</u>	DEPTH <u>4871'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL <u>DV TOOL</u>	DEPTH <u>2412'</u>
PREL. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>42.15'</u>
CEMENT LEFT IN CSG. <u>42.15'</u>	
PERFS.	
DISPLACEMENT <u>Bottom - 1 m bbl H<sub>2</sub>O, 57.23 bbl mud</u>	
<u>Top 57.41 bbl H<sub>2</sub>O</u>	EQUIPMENT

CEMENT	AMOUNT ORDERED <u>150 sks ASC, 10% salt, 5 gal/skite, 2% gel, 30% FL-160, 14% powdered Defoamer, 425 sks 65/35, 6% gel, 14% Fl-seal, 500 gal mud clean</u>
COMMON	@
POZMIX	@
GEL	<u>282 # @ 1.50 141.00</u>
CHLORIDE	@
ASC	<u>150 sks @ 23.50 3525.00</u>
Li (65/35)	<u>425 sks @ 19.88 8449.00</u>
gal/skite	<u>750 # @ .98 735.00</u>
Fl-seal	<u>106 # @ 2.97 314.82</u>
FL-160	<u>42 # @ 18.90 793.80</u>
P. Defoamer	<u>21 # @ 3.50 73.50</u>
mud clean	<u>12 bbl @ 41.09 493.08</u>
Salt	<u>780 # @ 1.68 530.40</u>
	@

PUMP TRUCK # <u>431</u>	CEMENTER <u>Paul Beaver</u>	1
	HELPER <u>Brandon Wilkinson</u>	2
BULK TRUCK # <u>890/241</u>	DRIVER <u>Darren Racette</u>	2
BULK TRUCK # <u>891/287</u>	DRIVER <u>Kevin Ryan</u>	2

TOTAL 15,055.60  
DISCOUNT 38% 5721.13

REMARKS:  
Run Pipel Float equip / Drop ball, pumped through shoe @ 700 # 1262.70  
Circ, mix 12 bbl mud clean, mix 150 sks ASC,  
Displace w/ water + mud, plug did land @ 1300' Lift  
800 #, Float did hold circ 4 hrs, mix 20 sks  
in m H, mix 30 sks in R.H, mix 275 sks Li,  
Displace w/ water, plug did land @ 1800'  
Li 4800 # Tool did close, cement did  
circ w/late, 30 bbl to pit  
Thank You!  
Paul + Crew

SERVICE		
HANDLING <u>662.98 ft<sup>2</sup></u>	@ <u>2.48</u>	<u>1644.19</u>
MILEAGE <u>28.06 tons x 45 mi x</u>	<u>2.75</u>	<u>3492.43</u>
DEPTH OF JOB <u>Bottom stage</u>	<u>4871'</u>	<u>2765.75</u>
PUMP TRUCK CHARGE <u>Top stage</u>	<u>2412'</u>	<u>2443.75</u>
EXTRA FOOTAGE	@	
HV MILEAGE	<u>45 @ 7.70</u>	<u>346.50</u>
LV MILEAGE	<u>45 @ 4.40</u>	<u>198.00</u>
<u>Hard manifold</u>	@	<u>275.00</u>
	@	

CHARGE TO: Land mark  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL 11,145.62  
DISCOUNT 38% 4235.83

To: Allied Oil & Gas Services, LLC.  
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.

PLUG & FLOAT EQUIPMENT		
<u>5 1/2 Weatherford</u>		
AFU Float shoe	@	<u>545.00</u>
Loaddown Flex Assy	@	<u>660.00</u>
DV TOOL	@	<u>5335.00</u>
Turbo lifters	<u>13 @ 95.00</u>	<u>1235.00</u>
Baskets	<u>2 @ 395.00</u>	<u>795.00</u>
		<u>990.00</u>
TOTAL		<u>8,570.00</u>
DISCOUNT	<u>38%</u>	<u>3236.60</u>

PRINTED NAME Jason Walker  
SIGNATURE [Signature]

SALES TAX (If Any) 1925.08  
TOTAL CHARGES 3,477.22 66.22  
DISCOUNT 13,213.05 (38%) IF PAID IN 30 DAYS 13,208.07  
NET TOTAL 21,558.15 IF PAID IN 30 DAYS



## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc**

1616 S Voss RD STE 600  
Houston TX 77051-2641

ATTN: Terry McLeod

### **Wesseler Trust #1-34**

### **34-16s-34w Scott,KS**

Start Date: 2015.05.17 @ 16:39:00

End Date: 2015.05.17 @ 22:15:00

Job Ticket #: 61578                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.05.21 @ 11:38:41

Landmark Resources, Inc

34-16s-34w Scott,KS

Wesseler Trust #1-34

DST # 1

LKC: IT

2015.05.17



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources, Inc  
 1616 S Voss RD STE 600  
 Houston TX 77051-2641  
 ATTN: Terry McLeod

**34-16s-34w Scott,KS**  
**Wesseler Trust #1-34**  
 Job Ticket: 61578 **DST#: 1**  
 Test Start: 2015.05.17 @ 16:39:00

## GENERAL INFORMATION:

Formation: **LKC 'I'**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 18:29:00  
 Time Test Ended: 22:15:00  
 Interval: **4272.00 ft (KB) To 4295.00 ft (KB) (TVD)**  
 Total Depth: 4295.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jace McKinney  
 Unit No: 75  
 Reference Elevations: 3143.00 ft (KB)  
 3132.00 ft (CF)  
 KB to GR/CF: 11.00 ft

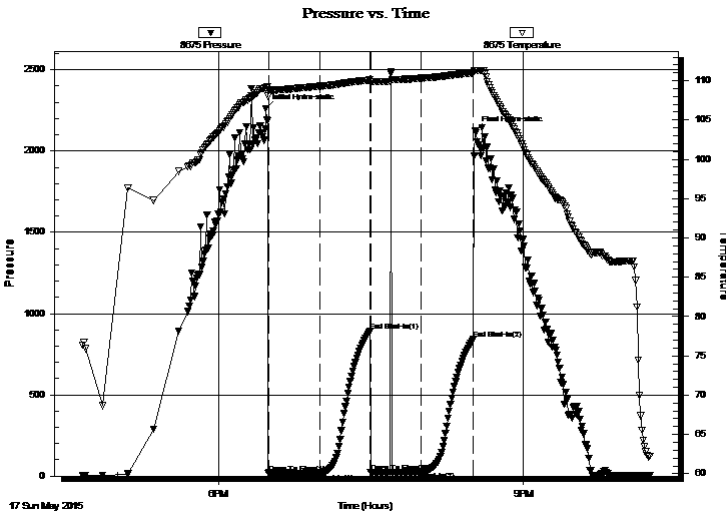
## Serial #: 8675

Inside

Press@RunDepth: 26.49 psig @ 4273.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.05.17 End Date: 2015.05.17 Last Calib.: 2015.05.17  
 Start Time: 16:39:15 End Time: 22:15:00 Time On Btm: 2015.05.17 @ 18:27:30  
 Time Off Btm: 2015.05.17 @ 20:31:30

TEST COMMENT: Weak Surface Blow , Died After 12 Min  
 No Return Blow  
 No Blow ,Flushed Tool 10 Min Into, Surge Blow  
 No Return Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2261.36	109.10	Initial Hydro-static
2	17.70	108.03	Open To Flow (1)
32	20.02	109.30	Shut-In(1)
62	892.35	110.07	End Shut-In(1)
62	21.39	109.67	Open To Flow (2)
92	26.49	110.31	Shut-In(2)
123	840.33	110.97	End Shut-In(2)
124	2124.09	111.30	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	ocm 20%O 80%M	0.15

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources, Inc

**34-16s-34w Scott, KS**

1616 S Voss RD STE 600  
Houston TX 77051-2641

**Wesseler Trust #1-34**

Job Ticket: 61578

**DST#: 1**

ATTN: Terry McLeod

Test Start: 2015.05.17 @ 16:39:00

## GENERAL INFORMATION:

Formation: **LKC 'I'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:29:00

Time Test Ended: 22:15:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 75

**Interval: 4272.00 ft (KB) To 4295.00 ft (KB) (TVD)**

Reference Elevations: 3143.00 ft (KB)

Total Depth: 4295.00 ft (KB) (TVD)

3132.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 11.00 ft

**Serial #: 8650 Outside**

Press@RunDepth: psig @ 4273.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.05.17

End Date: 2015.05.17

Last Calib.: 2015.05.17

Start Time: 16:39:15

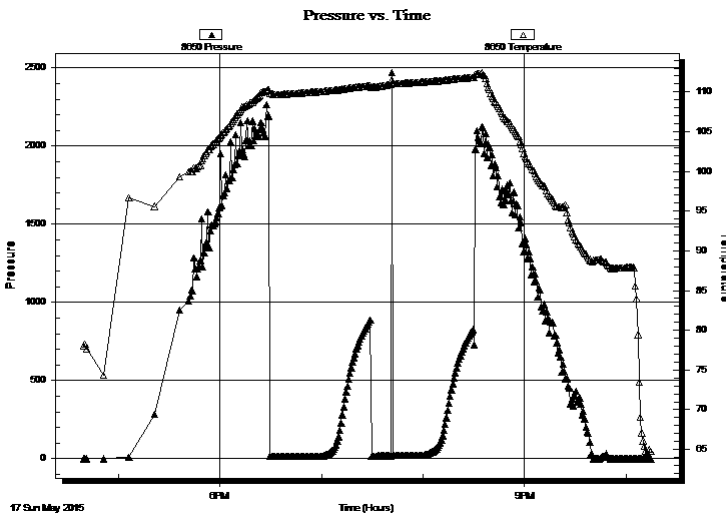
End Time: 22:14:45

Time On Btm:

Time Off Btm:

**TEST COMMENT:** Weak Surface Blow, Died After 12 Min  
No Return Blow  
No Blow, Flushed Tool 10 Min Into, Surge Blow  
No Return Blow

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	ocm 20%O 80%M	0.15

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources, Inc

**34-16s-34w Scott,KS**

1616 S Voss RD STE 600  
Houston TX 77051-2641

**Wesseler Trust #1-34**

Job Ticket: 61578

**DST#: 1**

ATTN: Terry McLeod

Test Start: 2015.05.17 @ 16:39:00

## Tool Information

Drill Pipe:	Length: 3957.19 ft	Diameter: 3.50 inches	Volume: 47.09 bbl	Tool Weight: 2200.00 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: 306.06 ft	Diameter: 2.25 inches	Volume: 1.51 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 48.60 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.75 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4272.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	45.50 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			4250.50	
Shut In Tool	5.00			4255.50	
Hydraulic tool	5.00			4260.50	
Safety Joint	2.50			4263.00	
Packer	5.00			4268.00	22.50 Bottom Of Top Packer
Packer	4.00			4272.00	
Stubb	1.00			4273.00	
Recorder	0.00	8675	Inside	4273.00	
Recorder	0.00	8650	Outside	4273.00	
perforations	19.00			4292.00	
Change Over Sub	0.00			4292.00	
Drill Pipe	0.00			4292.00	
Change Over Sub	0.00			4292.00	
Bullnose	3.00			4295.00	23.00 Bottom Packers & Anchor

**Total Tool Length: 45.50**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources, Inc

**34-16s-34w Scott,KS**

1616 S Voss RD STE 600  
Houston TX 77051-2641

**Wesseler Trust #1-34**

Job Ticket: 61578

**DST#: 1**

ATTN: Terry McLeod

Test Start: 2015.05.17 @ 16:39:00

## 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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	ocm 20%O 80%M	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

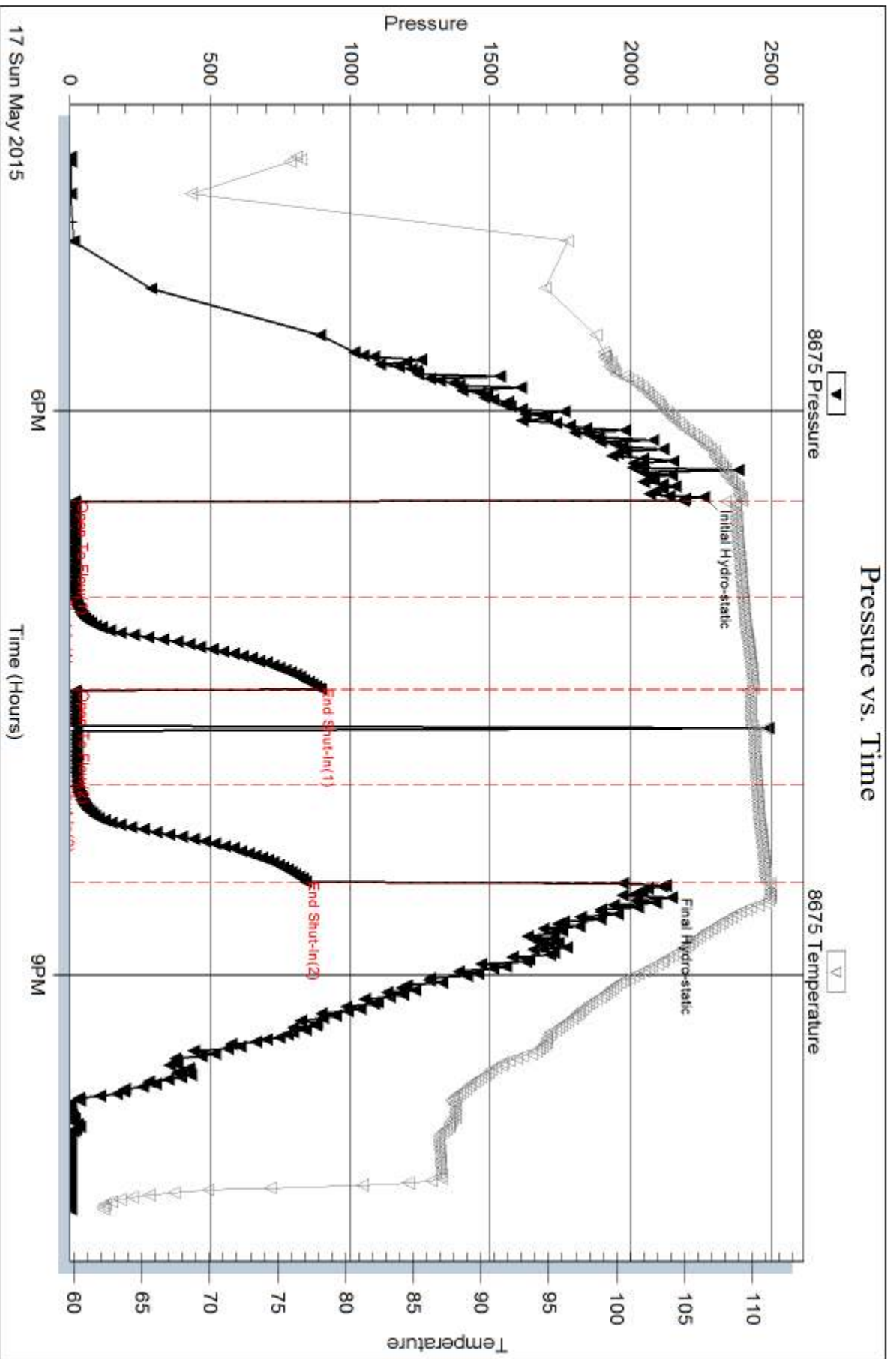
Serial #:

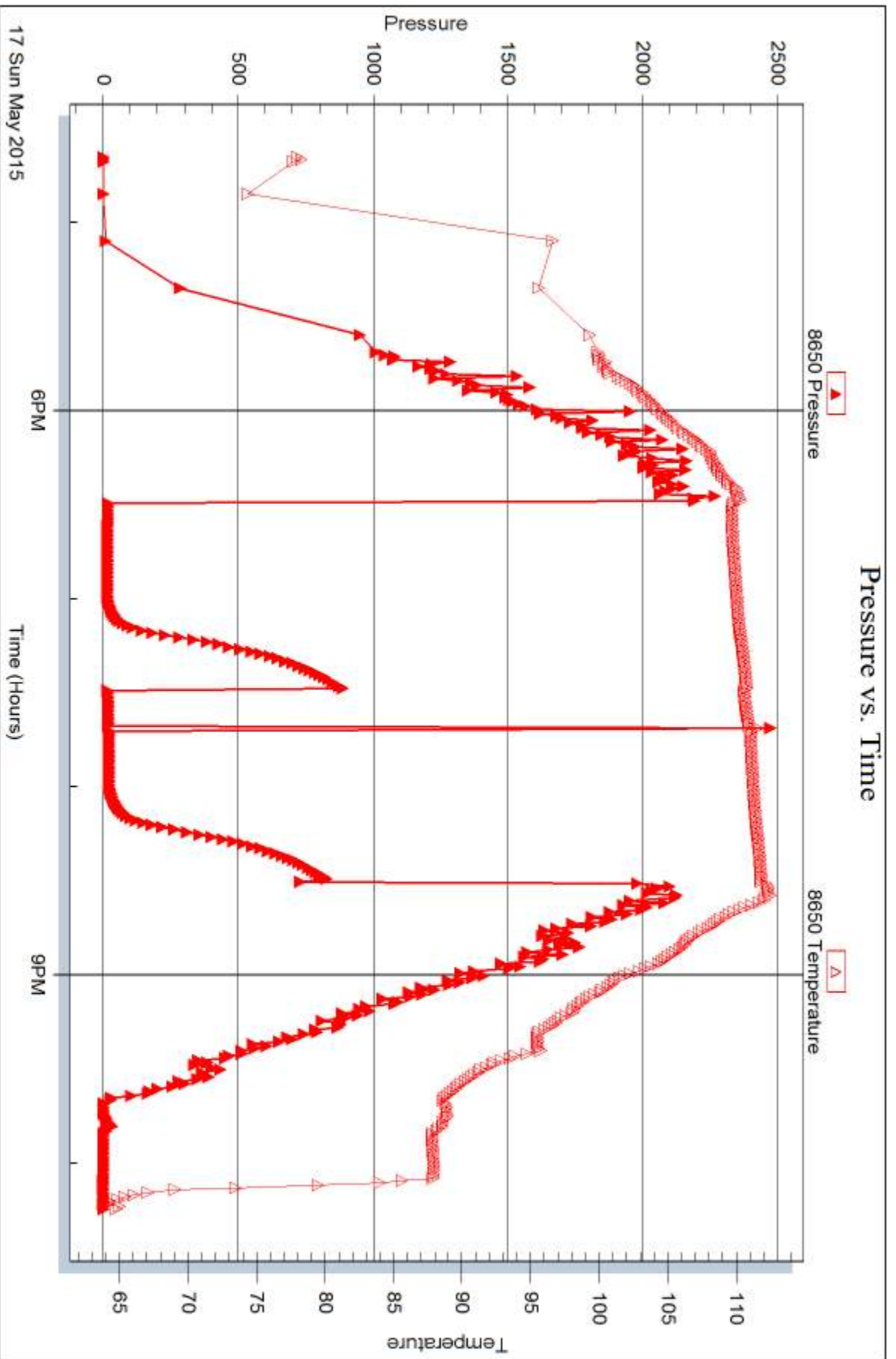
Laboratory Name:

Laboratory Location:

Recovery Comments:









## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc**

1616 S Voss RD STE 600  
Houston TX 77051-2641

ATTN: Terry McLeod

### **Wesseler Trust #1-34**

### **34-16s-34w Scott,KS**

Start Date: 2015.05.18 @ 15:40:00

End Date: 2015.05.19 @ 00:25:30

Job Ticket #: 61579                      DST #: 2

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.05.21 @ 11:38:13

Landmark Resources, Inc

34-16s-34w Scott,KS

Wesseler Trust #1-34

DST # 2

Marmaton

2015.05.18



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources, Inc  
 1616 S Voss RD STE 600  
 Houston TX 77051-2641  
 ATTN: Terry McLeod

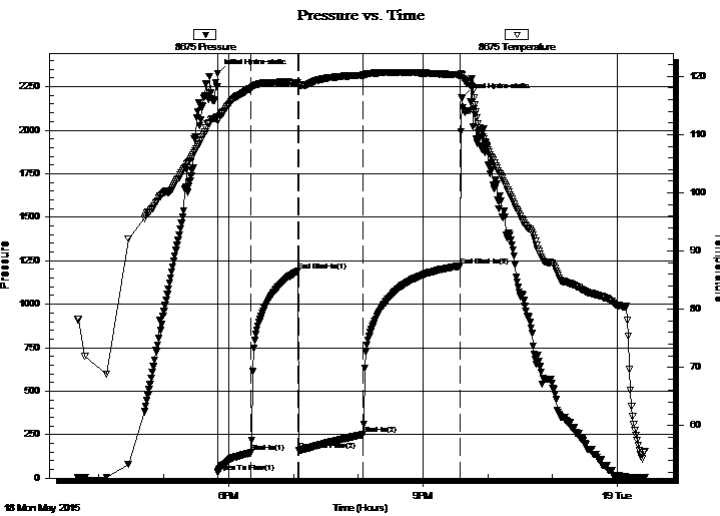
**34-16s-34w Scott, KS**  
**Wesseler Trust #1-34**  
 Job Ticket: 61579 **DST#: 2**  
 Test Start: 2015.05.18 @ 15:40:00

## GENERAL INFORMATION:

Formation: **Marmaton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 17:50:00  
 Time Test Ended: 00:25:30  
 Interval: **4472.00 ft (KB) To 4495.00 ft (KB) (TVD)**  
 Total Depth: 4495.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jace McKinney  
 Unit No: 75  
 Reference Elevations: 3143.00 ft (KB)  
 3132.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8675 Inside**  
 Press@RunDepth: 250.87 psig @ 4473.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.05.18 End Date: 2015.05.19 Last Calib.: 2015.05.18  
 Start Time: 15:40:15 End Time: 00:25:30 Time On Btm: 2015.05.18 @ 17:49:45  
 Time Off Btm: 2015.05.18 @ 21:36:00

**TEST COMMENT:** B.O.B. in 11 min.  
 Bled off for 5 min, Built to 3 1/2" return blow  
 B.O.B. in 9 min.  
 Bled off for 5 min, Built to 6 1/2" return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2327.10	113.14	Initial Hydro-static
1	31.18	112.32	Open To Flow (1)
31	146.50	117.98	Shut-In(1)
75	1191.37	118.97	End Shut-In(1)
76	159.66	118.53	Open To Flow (2)
135	250.87	120.21	Shut-In(2)
225	1219.84	120.22	End Shut-In(2)
227	2188.61	120.31	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
306.00	gco 10%G 90%O	1.50
189.00	gco 30%G 70%O	2.25
189.00	gco 50%G 50%O	2.25
0.00	378 Feet gas In pipe	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Landmark Resources, Inc

**34-16s-34w Scott,KS**

1616 S Voss RD STE 600  
Houston TX 77051-2641

**Wesseler Trust #1-34**

Job Ticket: 61579 **DST#: 2**

ATTN: Terry McLeod

Test Start: 2015.05.18 @ 15:40:00

### GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:50:00

Time Test Ended: 00:25:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 75

**Interval: 4472.00 ft (KB) To 4495.00 ft (KB) (TVD)**

Reference Elevations: 3143.00 ft (KB)

Total Depth: 4495.00 ft (KB) (TVD)

3132.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 11.00 ft

**Serial #: 8650 Outside**

Press@RunDepth: psig @ 4473.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.05.18 End Date: 2015.05.19

Last Calib.: 2015.05.18

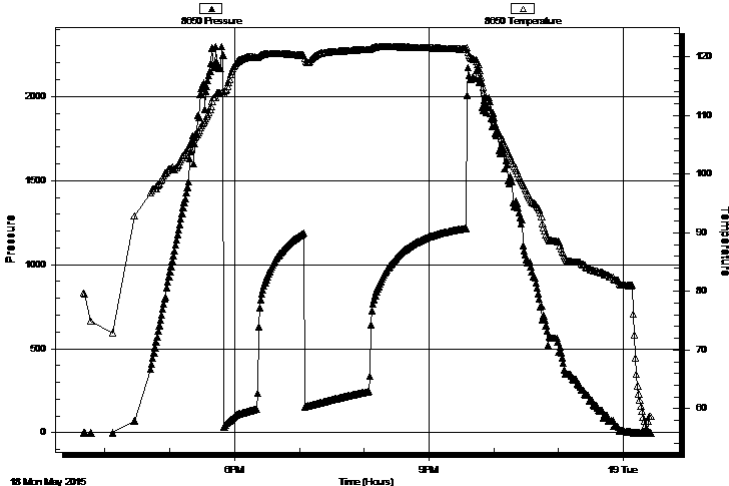
Start Time: 15:40:15 End Time: 00:25:15

Time On Btm:

Time Off Btm:

**TEST COMMENT:** B.O.B. in 11 min.  
Bled off for 5 min, Built to 3 1/2" return blow  
B.O.B. in 9 min.  
Bled off for 5 min, Built to 6 1/2" return blow

Pressure vs. Time



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
306.00	gco 10%G 90%O	1.50
189.00	gco 30%G 70%O	2.25
189.00	gco 50%G 50%O	2.25
0.00	378 Feet gas In pipe	0.00

### 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

**34-16s-34w Scott,KS**

1616 S Voss RD STE 600  
Houston TX 77051-2641

**Wesseler Trust #1-34**

Job Ticket: 61579

**DST#: 2**

ATTN: Terry McLeod

Test Start: 2015.05.18 @ 15:40:00

## Tool Information

Drill Pipe:	Length: 4175.78 ft	Diameter: 3.50 inches	Volume: 49.69 bbl	Tool Weight: 2200.00 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: 306.06 ft	Diameter: 2.25 inches	Volume: 1.51 bbl	Weight to Pull Loose: 104000.0 lb
			<u>Total Volume: 51.20 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.34 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4472.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	45.50 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			4450.50	
Shut In Tool	5.00			4455.50	
Hydraulic tool	5.00			4460.50	
Safety Joint	2.50			4463.00	
Packer	5.00			4468.00	22.50 Bottom Of Top Packer
Packer	4.00			4472.00	
Stubb	1.00			4473.00	
Recorder	0.00	8675	Inside	4473.00	
Recorder	0.00	8650	Outside	4473.00	
perforations	19.00			4492.00	
Change Over Sub	0.00			4492.00	
Drill Pipe	0.00			4492.00	
Change Over Sub	0.00			4492.00	
Bullnose	3.00			4495.00	23.00 Bottom Packers & Anchor

**Total Tool Length: 45.50**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources, Inc

**34-16s-34w Scott,KS**

1616 S Voss RD STE 600  
Houston TX 77051-2641

**Wesseler Trust #1-34**

Job Ticket: 61579

**DST#: 2**

ATTN: Terry McLeod

Test Start: 2015.05.18 @ 15:40:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
306.00	gco 10%G 90%O	1.505
189.00	gco 30%G 70%O	2.249
189.00	gco 50%G 50%O	2.249
0.00	378 Feet gas In pipe	0.000

Total Length: 684.00 ft      Total Volume: 6.003 bbl

Num Fluid Samples: 0

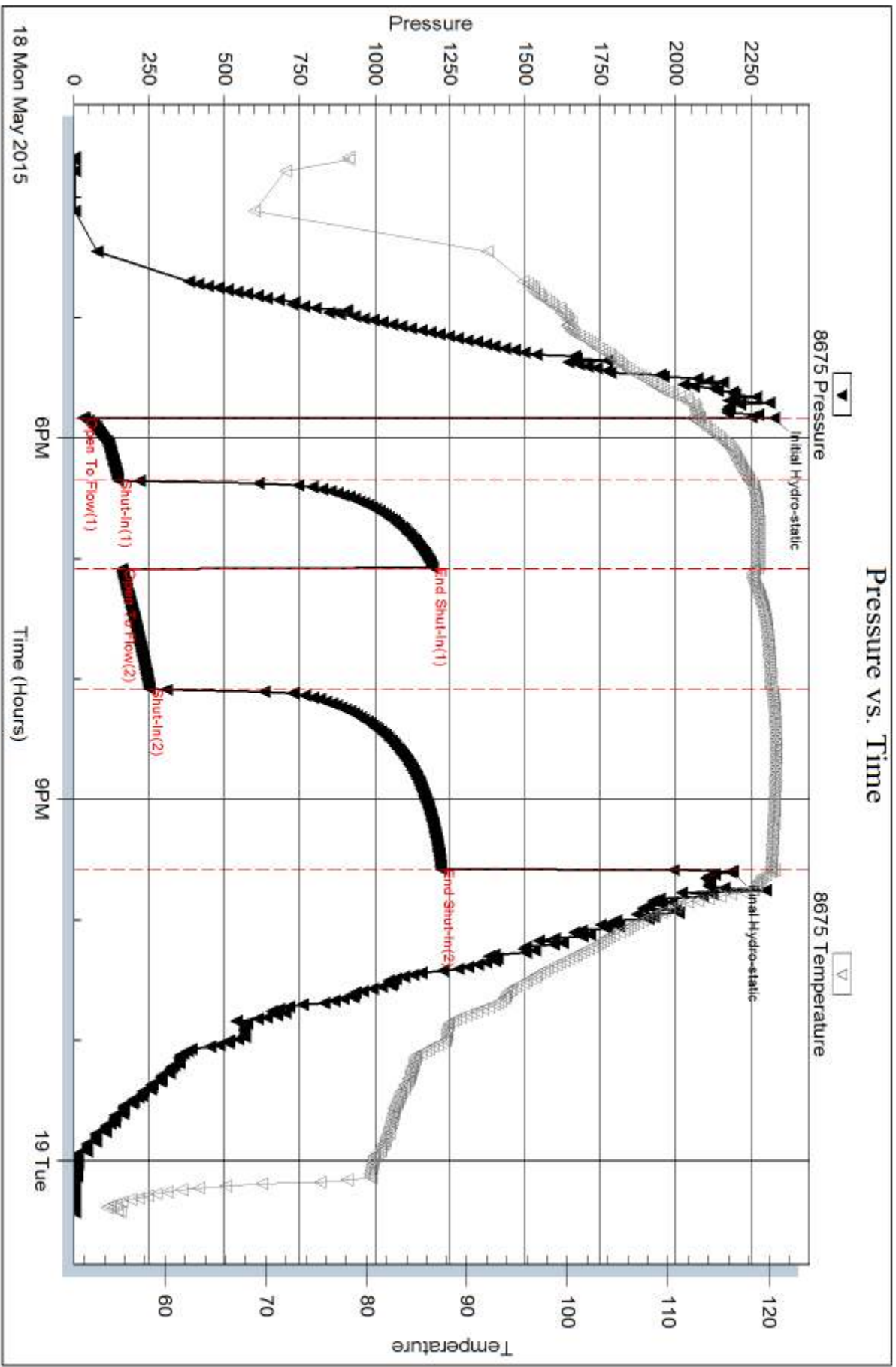
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: 29 @ 50 F = 30



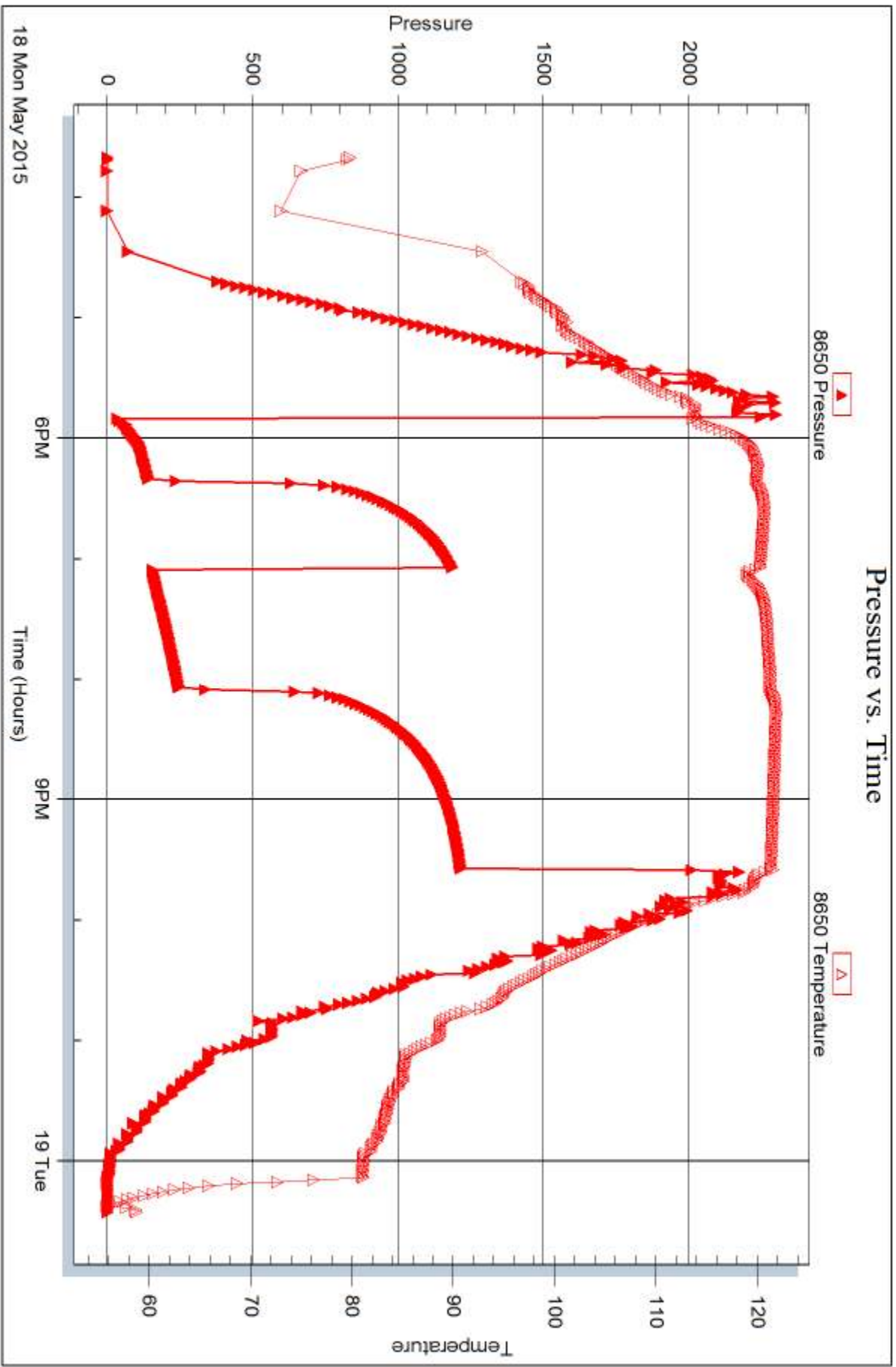


Serial #: 8650

Outside Landmark Resources, Inc

Wesseler Trust #1-34

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 61579

Printed: 2015.05.21 @ 11:38:15



## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc**

1616 S Voss RD STE 600  
Houston TX 77051-2641

ATTN: Terry McLeod

### **Wesseler Trust #1-34**

### **34-16s-34w Scott,KS**

Start Date: 2015.05.19 @ 09:40:00

End Date: 2015.05.19 @ 17:48:30

Job Ticket #: 61580                      DST #: 3

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.05.21 @ 11:32:54

Landmark Resources, Inc

34-16s-34w Scott,KS

Wesseler Trust #1-34

DST # 3

Altamont

2015.05.19



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources, Inc  
 1616 S Voss RD STE 600  
 Houston TX 77051-2641  
 ATTN: Terry McLeod

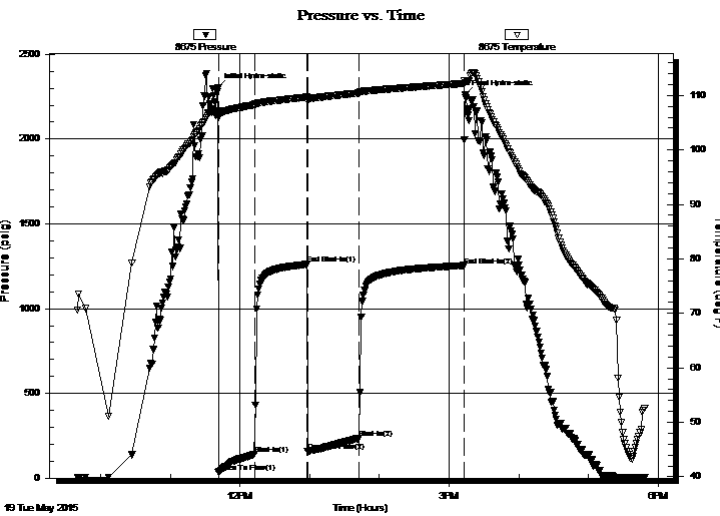
**34-16s-34w Scott,KS**  
**Wesseler Trust #1-34**  
 Job Ticket: 61580 **DST#: 3**  
 Test Start: 2015.05.19 @ 09:40:00

## GENERAL INFORMATION:

Formation: **Altamont**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:41:15  
 Time Test Ended: 17:48:30  
 Interval: **4497.00 ft (KB) To 4545.00 ft (KB) (TVD)**  
 Total Depth: 4545.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jace McKinney  
 Unit No: 75  
 Reference Elevations: 3143.00 ft (KB)  
 3132.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8675 Inside**  
 Press@RunDepth: 235.12 psig @ 4498.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.05.19 End Date: 2015.05.19 Last Calib.: 2015.05.19  
 Start Time: 09:40:15 End Time: 17:48:30 Time On Btm: 2015.05.19 @ 11:41:00  
 Time Off Btm: 2015.05.19 @ 15:14:00

**TEST COMMENT:** B.O.B. in 9 1/2 min.  
 Bled off for 5 min, No return blow  
 B.O.B. in 28 min.  
 Bled off for 5 min, Built to 2" return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2301.32	107.20	Initial Hydro-static
1	32.13	105.94	Open To Flow (1)
32	140.81	108.26	Shut-In(1)
77	1261.43	109.68	End Shut-In(1)
77	160.32	108.89	Open To Flow (2)
122	235.12	110.44	Shut-In(2)
212	1254.26	112.18	End Shut-In(2)
213	2262.31	112.32	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
122.00	gcmo 20%G 30%M 50%O	0.60
310.00	gco 30%G 70%O	2.40
189.00	gco 10%G 90%O	2.25
0.00	945 Feet Weak Gas In Pipe	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources, Inc  
1616 S Voss RD STE 600  
Houston TX 77051-2641  
ATTN: Terry McLeod

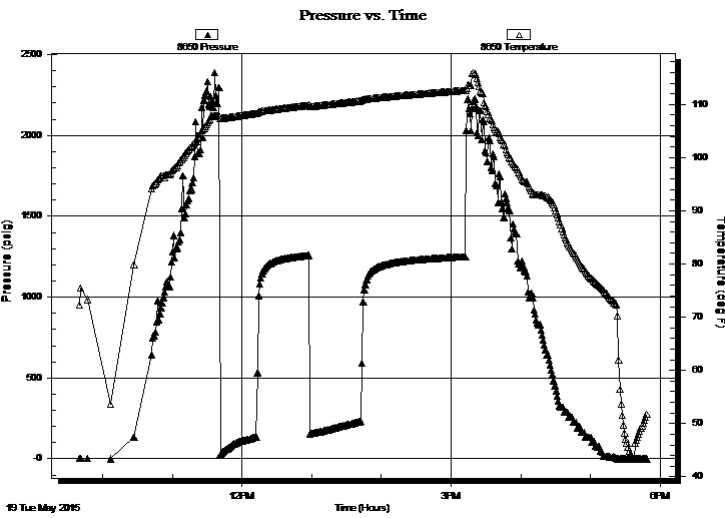
**34-16s-34w Scott, KS**  
**Wesseler Trust #1-34**  
Job Ticket: 61580      **DST#: 3**  
Test Start: 2015.05.19 @ 09:40:00

### GENERAL INFORMATION:

Formation: **Altamont**  
Deviated: No      Whipstock:                      ft (KB)  
Time Tool Opened: 11:41:15  
Time Test Ended: 17:48:30  
**Interval: 4497.00 ft (KB) To 4545.00 ft (KB) (TVD)**  
Total Depth: 4545.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Poor  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Jace McKinney  
Unit No: 75  
Reference Elevations: 3143.00 ft (KB)  
3132.00 ft (CF)  
KB to GR/CF: 11.00 ft

**Serial #: 8650      Outside**  
Press@RunDepth:                      psig @      4498.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2015.05.19      End Date: 2015.05.19      Last Calib.: 2015.05.19  
Start Time: 09:40:15      End Time: 17:48:15      Time On Btm:  
Time Off Btm:

TEST COMMENT: B.O.B. in 9 1/2 min.  
Bled off for 5 min, No return blow  
B.O.B. in 28 min.  
Bled off for 5 min, Built to 2" return blow



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
122.00	gcmo 20%G 30%M 50%O	0.60
310.00	gco 30%G 70%O	2.40
189.00	gco 10%G 90%O	2.25
0.00	945 Feet Weak Gas In Pipe	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

**34-16s-34w Scott,KS**

1616 S Voss RD STE 600  
Houston TX 77051-2641

**Wesseler Trust #1-34**

Job Ticket: 61580

**DST#: 3**

ATTN: Terry McLeod

Test Start: 2015.05.19 @ 09:40:00

## Tool Information

Drill Pipe:	Length: 4176.02 ft	Diameter: 3.50 inches	Volume: 49.69 bbl	Tool Weight: 2200.00 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: 306.06 ft	Diameter: 2.25 inches	Volume: 1.51 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 51.20 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.58 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4497.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	70.50 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			4475.50	
Shut In Tool	5.00			4480.50	
Hydraulic tool	5.00			4485.50	
Safety Joint	2.50			4488.00	
Packer	5.00			4493.00	22.50 Bottom Of Top Packer
Packer	4.00			4497.00	
Stubb	1.00			4498.00	
Recorder	0.00	8675	Inside	4498.00	
Recorder	0.00	8650	Outside	4498.00	
perforations	11.00			4509.00	
Change Over Sub	1.00			4510.00	
Drill Pipe	31.00			4541.00	
Change Over Sub	1.00			4542.00	
Bullnose	3.00			4545.00	48.00 Bottom Packers & Anchor

**Total Tool Length: 70.50**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources, Inc

**34-16s-34w Scott,KS**

1616 S Voss RD STE 600  
Houston TX 77051-2641

**Wesseler Trust #1-34**

Job Ticket: 61580

**DST#: 3**

ATTN: Terry McLeod

Test Start: 2015.05.19 @ 09:40:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5600.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
122.00	gcmo 20%G 30%M 50%O	0.600
310.00	gco 30%G 70%O	2.404
189.00	gco 10%G 90%O	2.249
0.00	945 Feet Weak Gas In Pipe	0.000

Total Length: 621.00 ft      Total Volume: 5.253 bbl

Num Fluid Samples: 0

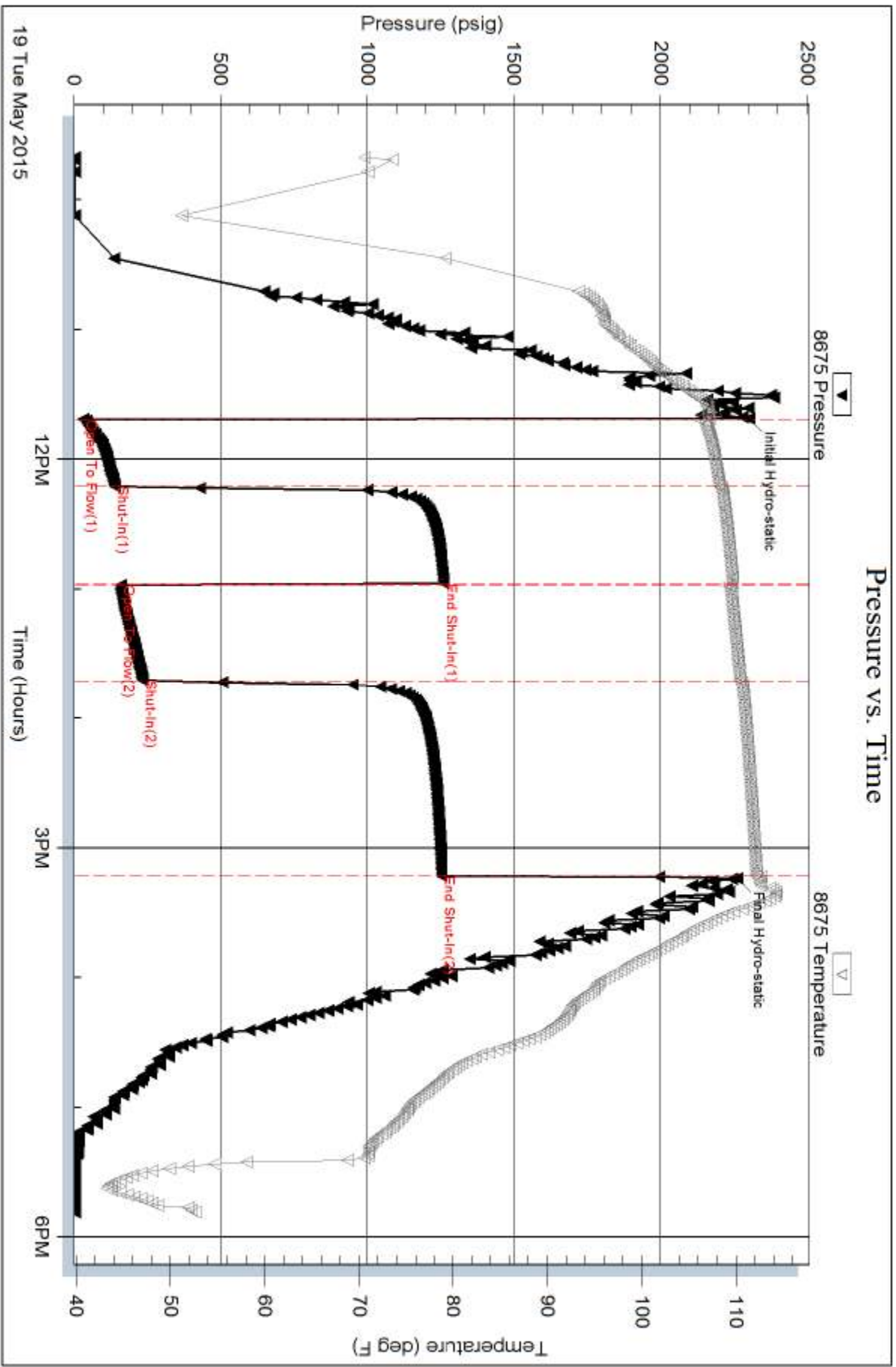
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: 30 @ 40 F = 32

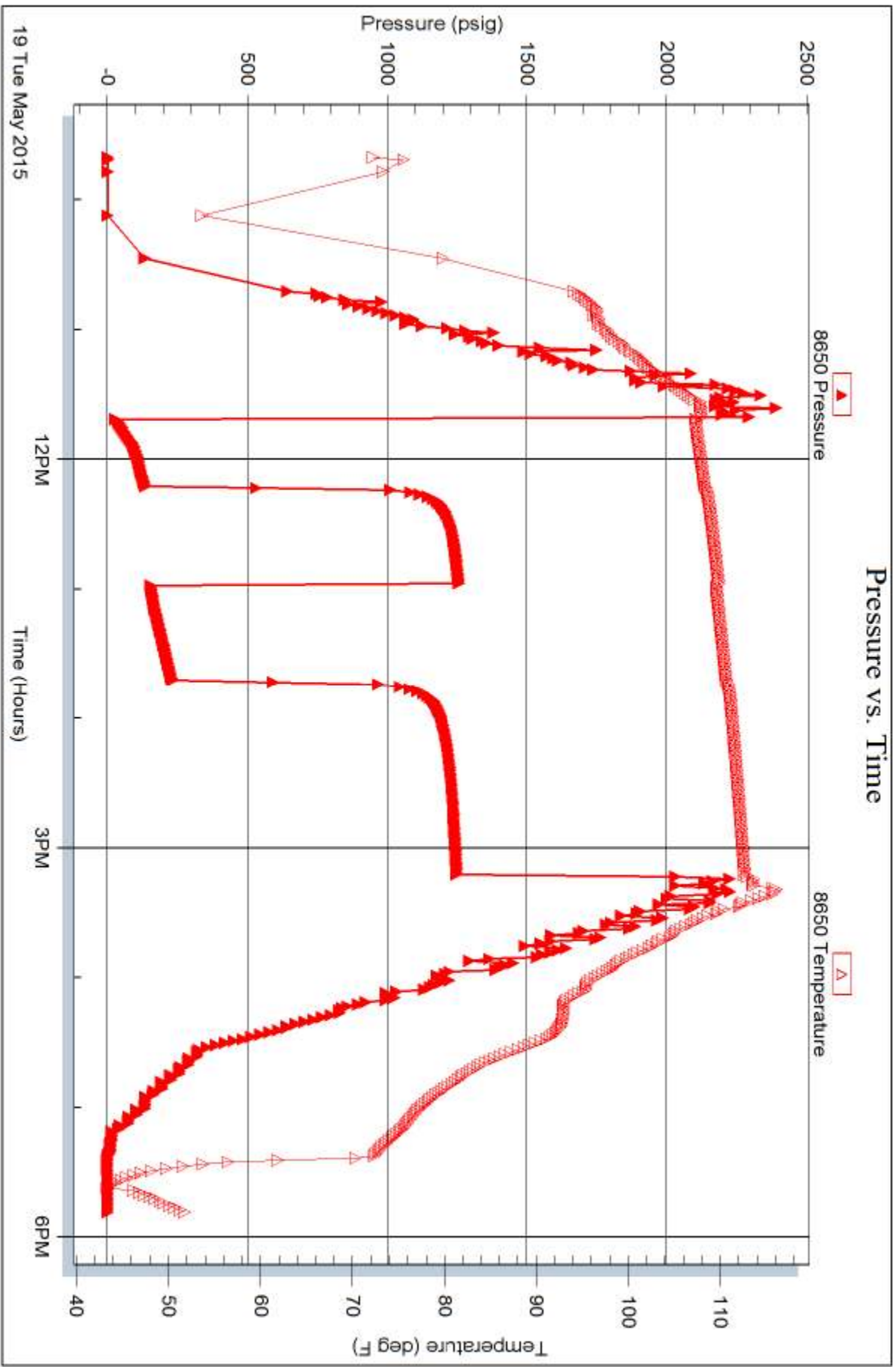


Serial #: 8650

Outside Landmark Resources, Inc

Wesseler Trust #1-34

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 61580

Printed: 2015.05.21 @ 11:32:56





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61578

Well Name & No. Wessex Trust 1-34 Test No. 1 Date 5/17/15  
 Company Landmark Resources, Inc Elevation 3143 KB 3132 GL  
 Address 11016 S Voss Rd, STE 600, Houston TX 77061-2641  
 Co. Rep / Geo. Terry McLeod Rig Martin Rig 21  
 Location: Sec. 34 Twp. 16S Rge. 34W Co. Scott County State KS

Interval Tested 4272-4295 Zone Tested Kansas City 'I'  
 Anchor Length 23 Drill Pipe Run 3957.19 Mud Wt. 9.3  
 Top Packer Depth 4268 Drill Collars Run 306.06 Vis 58  
 Bottom Packer Depth 4272 Wt. Pipe Run \_\_\_\_\_ WL 8.0  
 Total Depth 4295 Chlorides 3,000 ppm System LCM 2#

Blow Description Weak Surface Blow, Diced After 30 Min.  
No Return Blow  
No Blow, Flushed Tool 10 min Into, Surge Blow  
No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>OCM</u>	<u>20</u>		<u>80</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 30 BHT 111 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

- (A) Initial Hydrostatic 2,261
- (B) First Initial Flow 18
- (C) First Final Flow 20
- (D) Initial Shut-In 892
- (E) Second Initial Flow 21
- (F) Second Final Flow 26
- (G) Final Shut-In 840
- (H) Final Hydrostatic 2,124

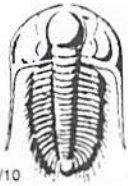
- Test 1150
- Jars \_\_\_\_\_
- Safety Joint 75
- Circ Sub N/C
- Hourly Standby \_\_\_\_\_
- Mileage 50 RT 43
- Sampler \_\_\_\_\_
- Straddle \_\_\_\_\_
- Shale Packer 250
- Extra Packer \_\_\_\_\_
- Extra Recorder \_\_\_\_\_
- Day Standby \_\_\_\_\_
- Accessibility \_\_\_\_\_
- Sub Total 1518

T-On Location 15:00  
 T-Started 16:39  
 T-Open 18:29  
 T-Pulled 20:29  
 T-Out 22:15  
 Comments \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 0  
 Total 1518  
 MP/DST Disc't \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 30

Approved By [Signature] 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. 61579

Well Name & No. Wesseler Trust # 1-34 Test No. 2 Date 5/18/16  
 Company Landmark Resources, Inc Elevation 3143 KB 3132 GL  
 Address 11616 S Voss Rd, STE 600, Houston TX 77061-2641  
 Co. Rep / Geo. Terry McLead Rig Martin Rig 21  
 Location: Sec. 34 Twp. 16S Rge. 34W Co. Scott County State KS

Interval Tested 4472-4495 Zone Tested Marmaton  
 Anchor Length 23 Drill Pipe Run 4175.78 Mud Wt. 9.4  
 Top Packer Depth 4468 Drill Collars Run 306.06 Vis 52  
 Bottom Packer Depth 4472 Wt. Pipe Run \_\_\_\_\_ WL 8.8  
 Total Depth 4495 Chlorides 4,400 ppm System LCM 3#

Blow Description B.O.B. in 11 min.  
Bled off for 5 min. Built to 3'2" return below

B.O.B. in 9 min.  
Bled off for 5 min. Built to 6'2" return below

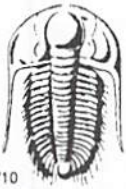
Rec	Feet of	Feet Gas In Pipe	%gas	%oil	%water	%mud
<u>0</u>	<u>378</u>					
<u>189</u>	<u>600</u>		<u>50</u>	<u>50</u>		
<u>189</u>	<u>600</u>		<u>30</u>	<u>70</u>		
<u>306</u>	<u>600</u>		<u>10</u>	<u>90</u>		

Rec Total 684 BHT 120 Gravity 30 API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2,327  Test 1150 T-On Location 14:45  
 (B) First Initial Flow 31  Jars \_\_\_\_\_ T-Started 15:40  
 (C) First Final Flow 147  Safety Joint 75 T-Open 17:50  
 (D) Initial Shut-In 1,191  Circ Sub N/C T-Pulled 21:35  
 (E) Second Initial Flow 160  Hourly Standby \_\_\_\_\_ T-Out 00:25  
 (F) Second Final Flow 251  Mileage SORT 43 Comments \_\_\_\_\_  
 (G) Final Shut-In 1,220  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2,187  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer 250  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1518  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1518

Approved By \_\_\_\_\_ Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61580

Well Name & No. Wesseler Trust # 1-34 Test No. 3 Date 5/19/15  
 Company Landmark Resources, Inc Elevation 3143 KB 3132 GL  
 Address 11616 S Voss RD, STE 600, Houston TX 77051-2641  
 Co. Rep / Geo. Terry McLeod Rig Murfin Rig 21  
 Location: Sec. 34 Twp. 1605 Rge. 34W Co. Scott County State K5

Interval Tested 4497-4545 Zone Tested Altamont - Marmaton  
 Anchor Length 48 Drill Pipe Run 4176.02 Mud Wt. 9.3  
 Top Packer Depth 4493 Drill Collars Run 306.06 Vis 62  
 Bottom Packer Depth 4497 Wt. Pipe Run \_\_\_\_\_ WL 8.0  
 Total Depth 4545 Chlorides 5,600 ppm System LCM 3#

Blow Description B.O.B. in 9 1/2 min.  
Bled off for 5 min. No return below  
B.O.B. in 28 min.  
Bled off for 5 min. Built to 2" return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>	<u>945 Feet Weak Gas In Pipe</u>				
<u>189</u>	<u>900</u>	<u>10%</u>	<u>90%</u>		
<u>310</u>	<u>900</u>	<u>30%</u>	<u>70%</u>		
<u>122</u>	<u>900</u>	<u>20%</u>	<u>50%</u>		<u>30%</u>
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 621 BHT 112 Gravity 32 API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm  
 Test 1150  
 Jars \_\_\_\_\_  
 Safety Joint 75  
 Circ Sub 55 RT N/C  
 Hourly Standby \_\_\_\_\_  
 Mileage 55 RT X 2  
 Sampler 43+43  
 Straddle \_\_\_\_\_  
 Shale Packer 250  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1561

T-On Location 08:40  
 T-Started 09:40  
 T-Open 11:41  
 T-Pulled 15:11  
 T-Out 17:48  
 Comments \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 0  
 Total 1561  
 MP/DST Disc't \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 65  
 Final Shut-In 90

Approved By \_\_\_\_\_ Our Representative [Signature]

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