



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1217506
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: _____

1217506

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: _____ _____
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Thiele 1
Doc ID	1217506

Tops

Name	Top	Datum
Anhy.	2328	(+ 687)
Base Anhy.	2344	(+ 671)
Heebner	3993	(- 978)
Lansing	4039	(-1024)
BKC	4447	(-1432)
Marmaton	4469	(-1454)
Pawnee	4553	(-1538)
Ft. Scott	4593	(-1578)
Morrow	4713	(-1698)
LTD	5098	(-2083)



CONSOLIDATED
Oil Well Services, LLC

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

RECEIVED

AUG 20 2014

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

INVOICE

Invoice # 270202

Invoice Date: 08/17/2014 Terms: 10/10/10,n/30

Page 1

PALOMINO PETROLEUM, INC.
4924 SE 84TH STREET
NEWTON KS 67114-8827
() -

THIELE #1
46829
35-19S-32W
8-2-14
KS

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	270.00	15.8600	4282.20
1118B	PREMIUM GEL / BENTONITE	1015.00	.2700	274.05
1107	FLO-SEAL (25#)	68.00	2.9700	201.96

Sublet Performed	Description	Total
9995-130	CEMENT EQUIPMENT DISCOUNT	-290.64
9996-130	CEMENT MATERIAL DISCOUNT	-475.83

Description	Hours	Unit Price	Total
397 TON MILEAGE DELIVERY	1.00	1222.65	1222.65
399 P & A NEW WELL	1.00	1395.00	1395.00
399 EQUIPMENT MILEAGE (ONE WAY)	55.00	5.25	288.75

Amount Due 8052.41 if paid after 08/27/2014

Parts:	4758.21	Freight:	.00	Tax:	349.02	AR	7247.16
Labor:	.00	Misc:	.00	Total:	7247.16		
Sublt:	-766.47	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

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

270202

TICKET NUMBER 46829
LOCATION Orkley Ks
FOREMAN Jerry Y

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-2-14	6285	Thiele #1	35	19S	32W	Scott
CUSTOMER		MAILING ADDRESS		CITY		STATE
Palomino		Scott City 5 to 70 E to Quincy S.W. 40		TRUCK #	DRIVER	TRUCK #
				399	Jerry R	
				397	Lance R	

JOB TYPE Pta HOLE SIZE 7 7/8 HOLE DEPTH 5070 CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE 4 1/2 TUBING _____ OTHER _____
 SLURRY WEIGHT 1.28 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Softly meeting & rig up on W/W 10 plugs ordered with 270sks 60/40
poz mix 4% gel 4 1/2" flow seal
50sks @ 280'
80sks @ 1570'
50sks @ 780'
40sks @ 240'
20sks @ 60'
30sks Ret hole

Thank you
Jerry & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5409N	1	PUMP CHARGE	1395.00	1395.00 ✓
5406	55	MILEAGE	5.25	288.75 ✓
5407A	12.7	ton mileage delivery	1.75	1222.65 ✓
1131	270sks	60/40 poz mix	15.86	4282.20 ✓
1186	1015 #	gel	27	27405 ✓
107	68 #	flow seal	2.92	201.96 ✓
			subtotal	7664.41 ✓
			less 10% disc	7664.41 ✓
			subtotal	6898.12 ✓
			SALES TAX	349.02 ✓
			ESTIMATED TOTAL	7247.16 ✓

completed

AVIN 3737 AUTHORIZATION J. Kelly TITLE T.P. DATE 8-2-14

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.



CONSOLIDATED
Oil Well Services, LLC

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

RECEIVED

AUG 02 2014 MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 269847

Invoice Date: 07/30/2014 Terms: 10/10/10,n/30

Page 1

PALOMINO PETROLEUM, INC.
4924 SE 84TH STREET
NEWTON KS 67114-8827
() -

THIELE #1
46817
35-19S-32W
7-23-14
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	165.00	18.5500	3060.75
1102	CALCIUM CHLORIDE (50#)	465.00	.9400	437.10
1118B	PREMIUM GEL / BENTONITE	310.00	.2700	83.70

Sublet Performed	Description	Total
9995-130	CEMENT EQUIPMENT DISCOUNT	-218.51
9996-130	CEMENT MATERIAL DISCOUNT	-358.16

Description	Hours	Unit Price	Total
397 MIN. BULK DELIVERY	1.00	746.35	746.35
399 CEMENT PUMP (SURFACE)	1.00	1150.00	1150.00
399 EQUIPMENT MILEAGE (ONE WAY)	55.00	5.25	288.75

Amount Due 6058.54 if paid after 08/09/2014

Parts:	3581.55	Freight:	.00	Tax:	262.70	AR	5452.68
Labor:	.00	Misc:	.00	Total:	5452.68		
Sublt:	-576.67	Supplies:	.00	Change:	.00		

Signed _____ Date _____

BARTLESVILLE, OK 918/338-0808 EL DORADO, KS 316/322-7022 EUREKA, KS 620/583-7664 PONCA CITY, OK 580/762-2303 OAKLEY, KS 785/672-8822 OTTAWA, KS 785/242-4044 THAYER, KS 620/839-5269 GILLETTE, WY 307/686-4914 CUSHING, OK 918/225-2650



269847

TICKET NUMBER 46817
 LOCATION Oakley KS
 FOREMAN Jerry V

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY																
7-23-14	6285	Thiele #1	35	19S	32W	Scott																
CUSTOMER <u>Palomino</u>			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>399</td> <td>Jeremy R</td> <td></td> <td></td> </tr> <tr> <td>397</td> <td>Rob S</td> <td></td> <td></td> </tr> <tr> <td>assist</td> <td>Bill S</td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	399	Jeremy R			397	Rob S			assist	Bill S		
TRUCK #	DRIVER	TRUCK #	DRIVER																			
399	Jeremy R																					
397	Rob S																					
assist	Bill S																					
MAILING ADDRESS			Scott City E to Quivira																			
CITY	STATE	ZIP CODE																				

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 217 CASING SIZE & WEIGHT 8 7/8 29#
 CASING DEPTH 217 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.8 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 12 1/2 bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting & rig upon WWD broke circulation with rig tree hookups
truck mix 165 sks com class A cement with 3% CC + 2% gel washup displ
with 12 1/2 bbl H₂O & shut in. Circulated approx 2 bbl to pit

Cement did circulate

Thank you
Jerry & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401s	1	PUMP CHARGE	1150.00	1150.00 ✓
5406	55	MILEAGE	5.25	288.75 ✓
5407	7.75	ton mileage delivery	12.25	746.35 ✓
1104s	165 sks	com class A cement	18.50	3060.75 ✓
1102	465#	calcium chloride	9.90	437.10 ✓
1186	310#	gel	2.70	83.70 ✓
			Subtotal	5766.65 ✓
			less 10% disc.	576.67 ✓
			Subtotal	5189.98 ✓
			SALES TAX	262.70 ✓
			ESTIMATED TOTAL	5452.68 ✓

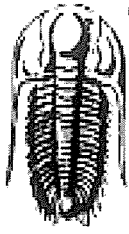
Ravin 3737

AUTHORIZATION [Signature]

TITLE T.P.

DATE 7-23-14

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.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84th St
Newton, KS
67114-8827
ATTN: Ryan Seib

35-19s-32w Scott, Ks
Thiele #2
Job Ticket: 57309 DST#: 1
Test Start: 2014.07.28 @ 01:30:57

GENERAL INFORMATION:

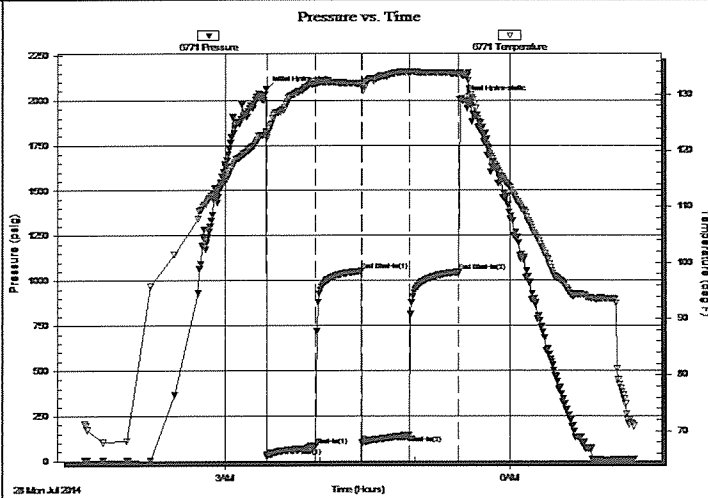
Formation: **G**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 03:25:57
 Time Test Ended: 07:17:57
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane McBride
 Unit No: 55
 Interval: **4200.00 ft (KB) To 4236.00 ft (KB) (TVD)**
 Total Depth: 4236.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Reference Elevations: 3015.00 ft (KB)
 3010.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6771

Inside

Press@RunDepth: 143.48 psig @ 4201.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.07.28 End Date: 2014.07.28 Last Calib.: 2014.07.28
 Start Time: 01:30:57 End Time: 07:17:57 Time On Btm: 2014.07.28 @ 03:25:42
 Time Off Btm: 2014.07.28 @ 05:28:27

TEST COMMENT: 2 3/4" blow
 No return
 1 3/4" blow
 No return



PRESSURE SUMMARY

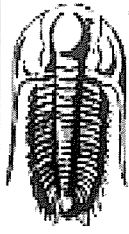
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2059.14	123.39	Initial Hydro-static
1	26.78	122.32	Open To Flow (1)
32	85.08	131.84	Shut-In(1)
60	1052.47	131.90	End Shut-In(1)
61	101.17	131.20	Open To Flow (2)
91	143.48	133.65	Shut-In(2)
122	1047.49	133.79	End Shut-In(2)
123	2002.85	133.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	s m c w 10% m 90% w	1.41
65.00	m c w 30% m 70% w	0.91

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

35-19s-32w Scott, Ks

4924 SE 84th St

Thiele #2

New ton, Ks

Job Ticket: 57309

DST#: 1

67114-8827

ATTN: Ryan Seib

Test Start: 2014.07.28 @ 01:30:57

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

31000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	s m c w 10%m 90%w	1.414
65.00	m c w 30%m 70%w	0.912

Total Length: 245.00 ft Total Volume: 2.326 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .222 @ 69*f= 31,000 chlor

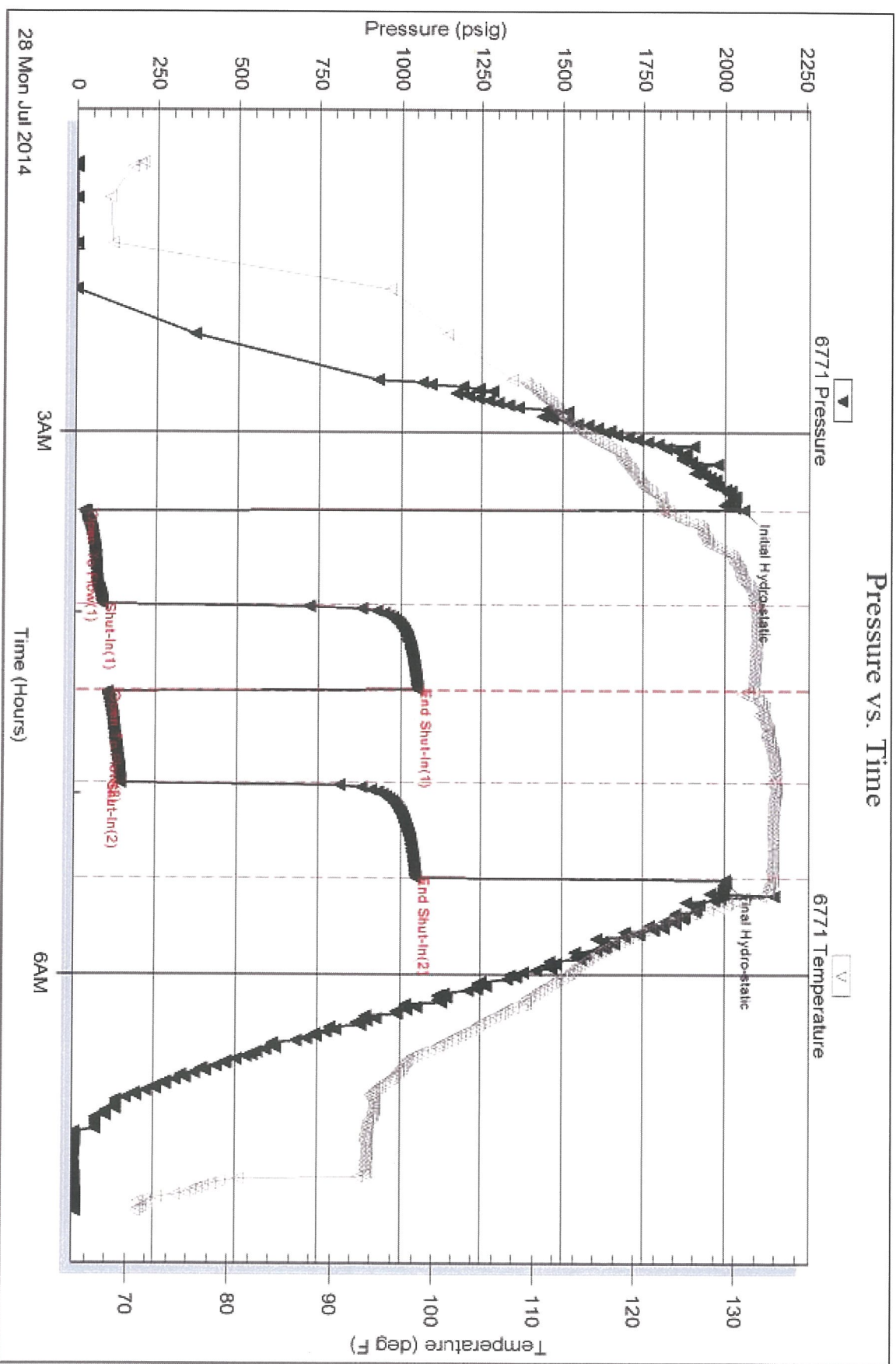
Serial #: 6771

Inside

Palomino Petroleum

Thiele #2

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 57309

Printed: 2014.07.28 @ 07:53:57



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum

35-19s-32w Scott, Ks

4924 SE 84th St
Newton, Ks
67114-8827
ATTN: Ryan Seib

Thiele #2

Job Ticket: 57310

DST#: 2

Test Start: 2014.07.28 @ 21:45:27

GENERAL INFORMATION:

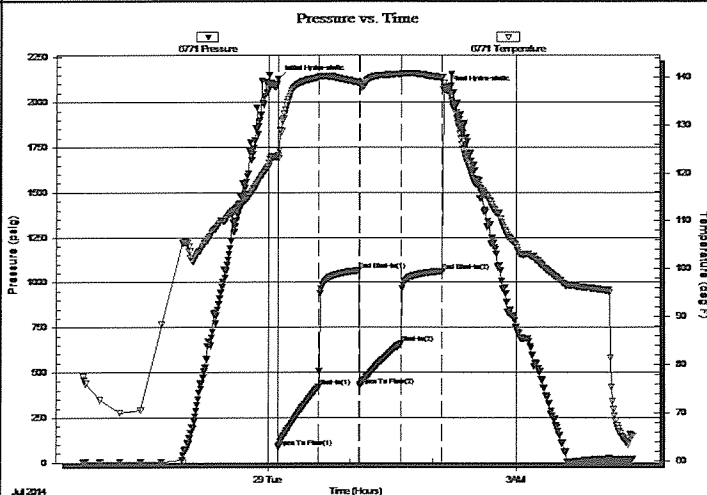
Formation: **K**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 00:07:12
 Time Test Ended: 04:35:27
 Interval: **4324.00 ft (KB) To 4376.00 ft (KB) (TVD)**
 Total Depth: 4376.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Shane McBride
 Unit No: 55
 Reference Elevations: 3015.00 ft (KB)
 3010.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6771

Inside

Press@RunDepth: 661.45 psig @ 4325.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.07.28 End Date: 2014.07.29 Last Calib.: 2014.07.29
 Start Time: 21:45:27 End Time: 04:24:27 Time On Btm: 2014.07.29 @ 00:06:57
 Time Off Btm: 2014.07.29 @ 02:07:57

TEST COMMENT: B.O.B. in 5 min.
 No return
 B.O.B. in 6 min.
 No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2127.37	123.66	Initial Hydro-static
1	86.26	123.06	Open To Flow (1)
30	421.84	139.87	Shut-In(1)
60	1065.52	138.79	End Shut-In(1)
60	426.22	138.34	Open To Flow (2)
90	661.45	140.54	Shut-In(2)
120	1062.92	139.87	End Shut-In(2)
121	2072.16	137.97	Final Hydro-static

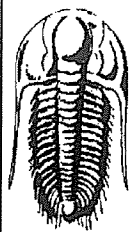
Recovery

Length (ft)	Description	Volume (bbl)
840.00	water 100%w	10.67
240.00	s m c w 10% m 90% w	3.37
180.00	m c w 35% m 65% w	2.52

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th St
New ton ,Ks
67114-8827
ATTN: Ryan Seib

35-19s-32w Scott, Ks
Thiele #2
Job Ticket: 57310 **DST#: 2**
Test Start: 2014.07.28 @ 21:45:27

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 32500 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.19 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3800.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
840.00	w ater 100%w	10.672
240.00	s m c w 10%m 90%w	3.367
180.00	m c w 35%m 65%w	2.525

Total Length: 1260.00 ft Total Volume: 16.564 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: rw .212 @ 67*f= 32,500 chlor

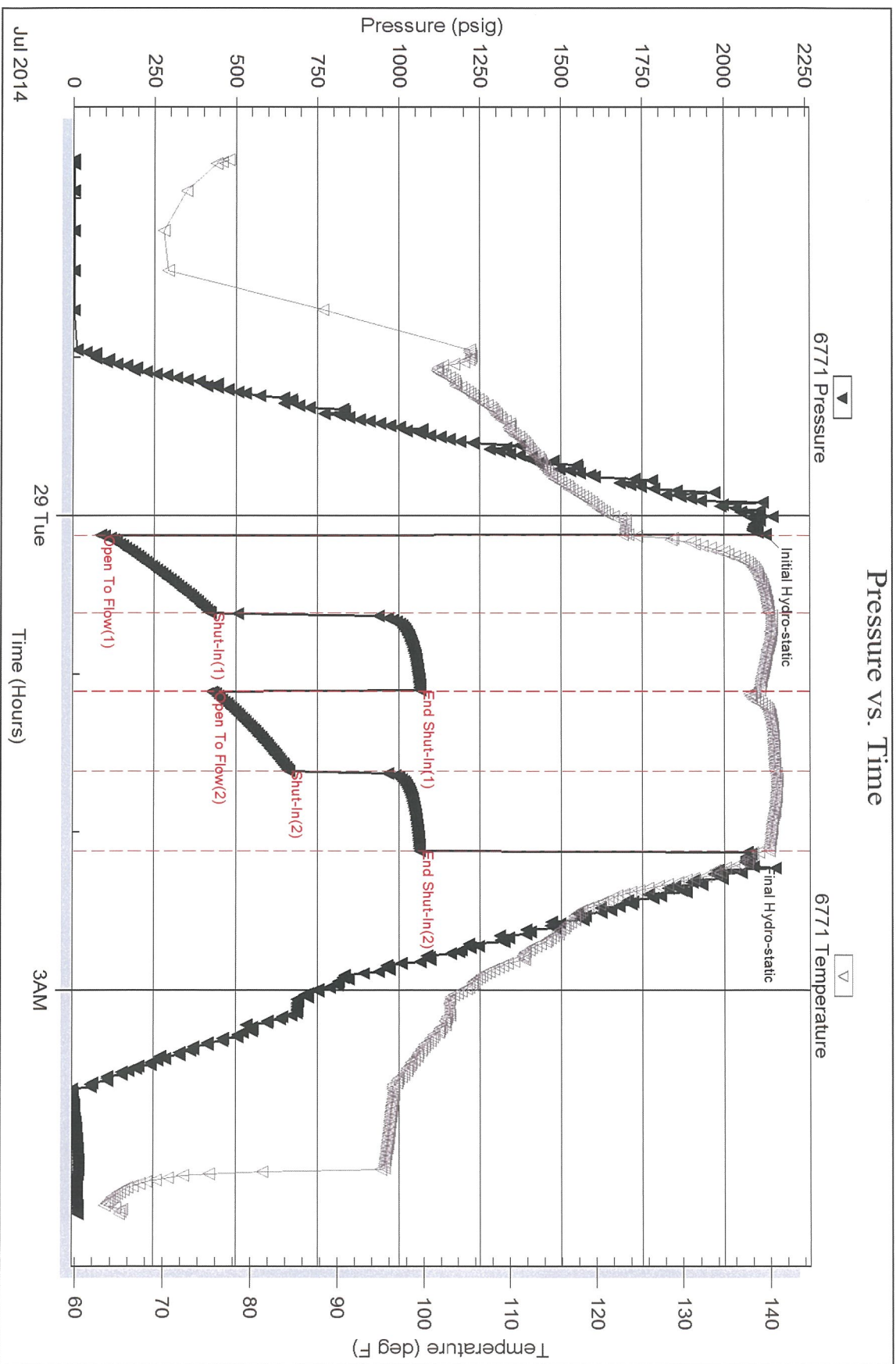
Serial #: 6771

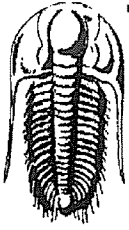
Inside

Palomino Petroleum

Thiele #2

DST Test Number: 2





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84th St
 Newton, Ks
 67114-8827
 ATTN: Ryan Seib

35-19s-32w Scott, Ks
Thiele #1
 Job Ticket: 57312 DST#: 4
 Test Start: 2014.07.30 @ 18:10:35

GENERAL INFORMATION:

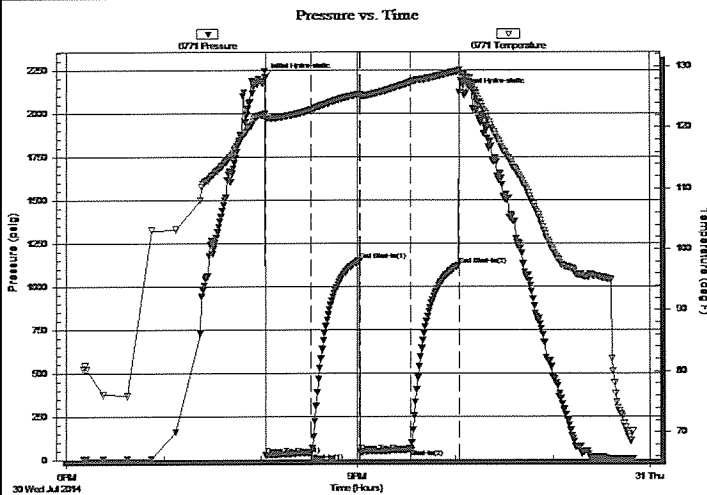
Formation: **Marm, Pawnee, Ft Scot**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 20:02:50
 Time Test Ended: 23:55:35
 Interval: **4486.00 ft (KB) To 4656.00 ft (KB) (TVD)**
 Total Depth: 4656.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Shane McBride
 Unit No: 55
 Reference Elevations: 3015.00 ft (KB)
 3010.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6771

Inside

Press@RunDepth: 58.40 psig @ 4487.00 ft (KB)
 Start Date: 2014.07.30 End Date: 2014.07.30
 Start Time: 18:10:35 End Time: 23:49:35
 Capacity: 8000.00 psig
 Last Calib.: 2014.07.30
 Time On Btm: 2014.07.30 @ 20:02:35
 Time Off Btm: 2014.07.30 @ 22:02:50

TEST COMMENT: 1/4" in blow died in 21 min.
 No return
 No blow
 No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2209.20	122.22	Initial Hydro-static
1	25.66	121.43	Open To Flow (1)
29	39.97	122.88	Shut-In (1)
59	1148.24	125.42	End Shut-In (1)
59	44.87	124.99	Open To Flow (2)
91	58.40	127.38	Shut-In (2)
120	1122.56	129.22	End Shut-In (2)
121	2123.92	129.40	Final Hydro-static

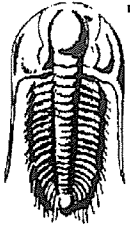
Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud 100% m	0.30

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

35-19s-32w Scott, Ks

4924 SE 84th St
New ton ,Ks
67114-8827

Thiele #1

Job Ticket: 57312

DST#: 4

ATTN: Ryan Seib

Test Start: 2014.07.30 @ 18:10:35

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mud 100%m	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

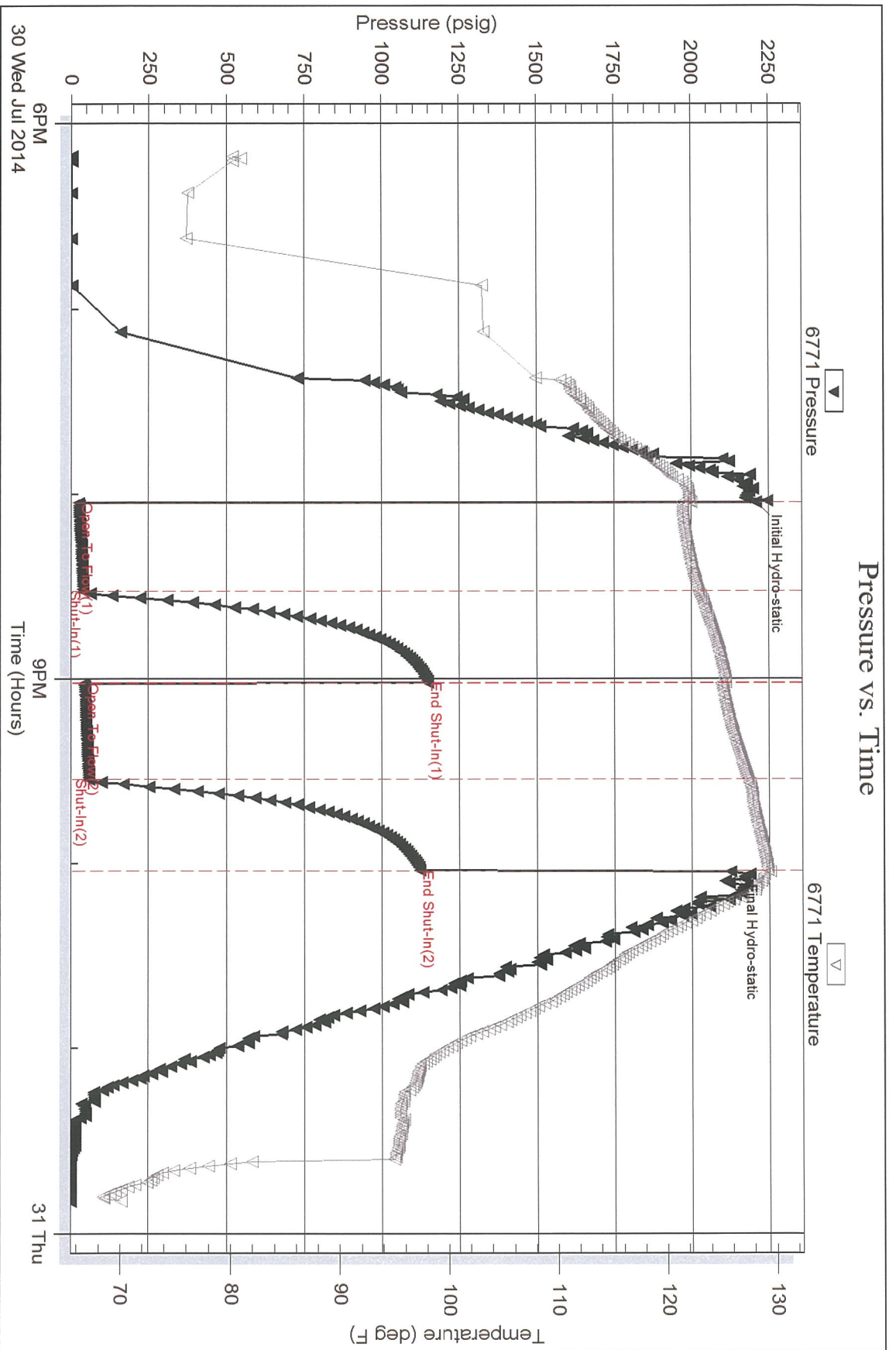
Serial #: 6771

Inside

Palomino Petroleum

Thiele #1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 57312

Printed: 2014.07.31 @ 07:46:46