



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1259672
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: _____



1259672

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: Yes No

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

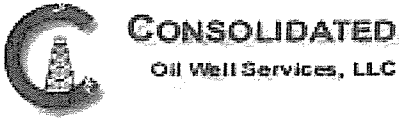
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD 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	Crist Unit 1
Doc ID	1259672

Tops

Name	Top	Datum
Anhy.	2054	(+903)
Base Anhy.	2126	(+831)
Heebner	3835	(-878)
Lansing	3887	(-930)
Muncie Creek	4080	(-1123)
Stark Sh.	205	(-1248)
BKC	4334	(-1377)
Marmaton	4360	(-1403)
Pawnee	4440	(-1483)
Ft. Scott	4468	(-1511)
Cherokee Sh.	4480	(-1523)
Morrow Sh.	4659	(-1702)
Morrow Sd.	4665	(-1708)
St. Gen.	4712	(-1779)
St. Louis	4736	(-1779)
LTD	4865	(-1908)



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

RECEIVED

JUL 07 2015

MAIN OFFICE

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

Invoice Invoice# 804712

Invoice Date: 06/30/15 Terms: Net 30 Page 1

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

CHRIST 1

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,150.0000	25.000	862.50
CE0002	Equipment Mileage Charge - Heavy Equipment	50.000	5.2500	25.000	196.88
CE0710	Cement Delivery Charge	1.000	679.0000	25.000	509.25
CC5800A	Class A Cement Sack	165.000	18.5500	25.000	2,295.56
CC5325	Calcium Chloride	465.000	0.9400	25.000	327.83
CC5965	Bentonite	310.000	0.2700	25.000	62.78
Subtotal					5,673.05
Discounted Amount					1,418.26
SubTotal After Discount					4,254.79

Amount Due 5,964.95 If paid after 07/30/15

Tax: 218.92
 Total: 4,473.72



CONSOLIDATED
Oil Well Services, LLC

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

FIELD TICKET & TREATMENT REPORT
CEMENT

3225
3135
804712
INVOICE #

TICKET NUMBER 47976
LOCATION Oakley ks
FOREMAN Cory Dale
Kelly G.

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6/24/15	6285	Christ 1	31	20	33w	scott
CUSTOMER <u>Palomino</u>			Scott city Sto Collins 5 W. to Falcon RD 1 W. E into			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			445	Cody R.		
STATE			460	Colin S.		
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 217 CASING SIZE & WEIGHT 8 5/8 23#
 CASING DEPTH 217 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 12.5 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Softly meeting Rig up on ww10 - Run casing Break circulation with rig pump
Hook up to puppi truck mix 165 sks cement 3% c.c. 2% gel wash up + Displace 12.5 BBL
water shut in Rig down

Cement Did Circulate

Approx 5 BBL to pit

Thanks Cory + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401 S	1	PUMP CHARGE CE0450	1150.00	1150.00
5406	50	MILEAGE CE002	5.25	262.50
5407	7.76	Ton mileage Delivery CE0710	1.75	679.00
1104 S	165 sks	Class A cement CC5800A	18.55	3060.75
1102	465#	Calcium Chloride CC5325	.94	437.10
1118 B	310#	Bentonite (gel) CC5945	.27	83.70
			sub total	5673.05
			25% less	1418.26
			sub total	4254.80
			SALES TAX	218.92
			ESTIMATED TOTAL	4473.72

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.



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

RECEIVED
 JUL 10 2015

MAIN OFFICE
 P.O.Box884
 Chanute, KS 66720
 620/431-9210, 1-800/467-8676
 Fax 620/431-0012

Invoice Invoice# 804841

Invoice Date: 07/07/15 Terms: Net 30 Page 1

PALOMINO PETROLEUM, INC.
 4924 SE 84TH STREET CRIST #1
 NEWTON KS 67114-8827
 USA

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	33.000	1,005.00
CE0002	Equipment Mileage Charge - Heavy Equipment	50.000	7.1500	33.000	239.53
CE0710	Cement Delivery Charge	1.000	1,015.0000	33.000	680.05
CC5829	Lite-Weight Blend V (60:40:4)	270.000	16.0000	33.000	2,894.40
CC6075	Celloflake	67.000	2.0000	33.000	89.78
CP8228	8 5/8" Wooden Plug	1.000	165.0000	33.000	110.55
Subtotal					7,491.50
Discounted Amount					2,472.20
SubTotal After Discount					5,019.30
Amount Due 7,884.12 If paid after 08/06/15					

Tax: 263.05
 Total: 5,282.36



CONSOLIDATED
Oil Well Services, LLC

3407
3327

TICKET NUMBER 49440

LOCATION Oakley KS

FOREMAN Dane Retzloff

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

FIELD TICKET & TREATMENT REPORT
INVOICE # 801841 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-3-15	6285	C Best #1	31	20	33	Scott
CUSTOMER			Ks			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			394	Mike		
STATE			460	Rob		
ZIP CODE						

JOB TYPE PTA HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE 4 1/2 TUBING _____ OTHER _____
 SLURRY WEIGHT 13.8 SLURRY VOL 1.42 WATER gal/sk 6.90 CEMENT LEFT in CASING _____
 DISPLACEMENT 155 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting. Plug up. Plug as ordered

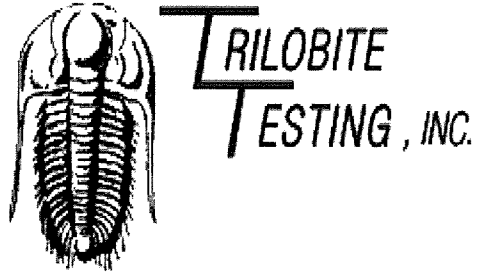
2130'	50 SKS
1200'	80 SKS
600'	40 SKS
270'	50 SKS
60'	20 SKS
24	30 SKS

Thanks Dane + Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	1500.00
CE0602	50	MILEAGE	7.15	357.50
CE0710	11.6	Top Mileage Delivery	1.75	1015.00
CC5829	270 SKS	Lite-Weight Blend V (60:40:4)	16.00	4320.00
CC6075	67	Celloflake	2.00	134.00
CP8228	1	8 5/8 wooden Plug.	165.00	165.00
			Sub	7491.50
			less 33%	2472.19
			Total	5019.31
			SALES TAX	263.05
			ESTIMATED TOTAL	5282.36

RAVIN 3737 AUTHORIZATION Alex O'Hara 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.



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114-8827

ATTN: Andrew Stenzel

Crist Unit #1

31-20s-33w Scott,KS

Start Date: 2015.06.29 @ 05:36:12

End Date: 2015.06.29 @ 12:55:12

Job Ticket #: 61493 DST #: 1

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

Printed: 2015.07.06 @ 09:22:14

Palomino Petroleum Inc

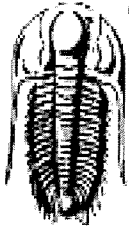
31-20s-33w Scott,KS

Crist Unit #1

DST # 1

Marmaton

2015.06.29



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc
 4924 SE 84th St
 Newton, KS 67114-8827
 ATTN: Andrew Stenzel

31-20s-33w Scott,KS
Crist Unit #1
 Job Ticket: 61493 **DST#: 1**
 Test Start: 2015.06.29 @ 05:36:12

GENERAL INFORMATION:

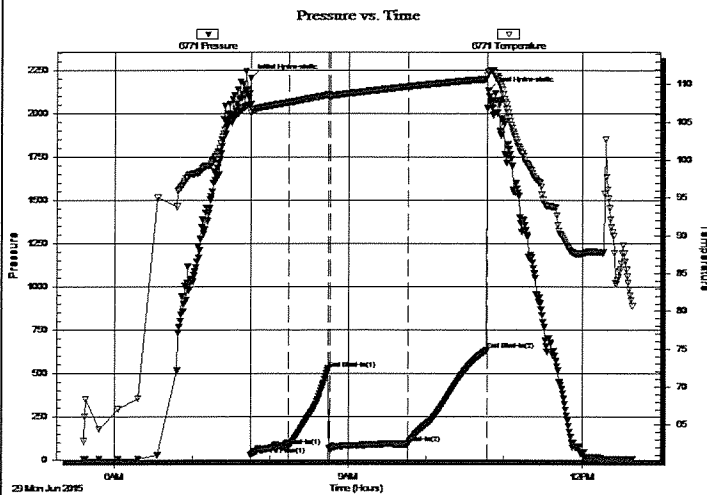
Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:45:27
 Time Test Ended: 12:55:12
 Interval: **4328.00 ft (KB) To 4433.00 ft (KB) (TVD)**
 Total Depth: 4433.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane McBride
 Unit No: 84
 Reference Elevations: 2957.00 ft (KB)
 2952.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6771

Outside

Press@RunDepth: 90.74 psig @ 4329.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.06.29 End Date: 2015.06.29 Last Calib.: 2015.06.29
 Start Time: 05:36:12 End Time: 12:38:12 Time On Btm: 2015.06.29 @ 07:45:12
 Time Off Btm: 2015.06.29 @ 10:47:57

TEST COMMENT: 7" blow
 No return
 B.O.B. in 23 min.
 No return



PRESSURE SUMMARY

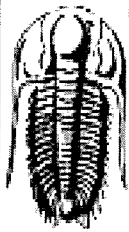
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2203.50	107.34	Initial Hydro-static
1	28.31	106.29	Open To Flow (1)
30	77.82	107.59	Shut-In(1)
60	523.64	108.60	End Shut-In(1)
61	61.88	108.45	Open To Flow (2)
121	90.74	109.70	Shut-In(2)
182	631.28	110.68	End Shut-In(2)
183	2133.84	111.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	s g o c m 10g 30o 60m	0.30
95.00	s g o c m 10g 40o 50m	0.79
10.00	c g o 10g 90o	0.14
0.00	195' gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

31-20s-33w Scott,KS
Crist Unit #1
Job Ticket: 61493 DST#: 1
Test Start: 2015.06.29 @ 05:36:12

GENERAL INFORMATION:

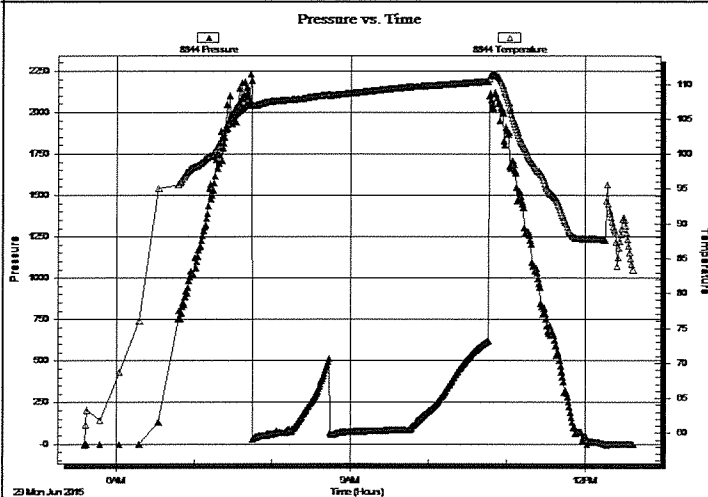
Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:45:27
Time Test Ended: 12:55:12
Interval: **4328.00 ft (KB) To 4433.00 ft (KB) (TVD)**
Total Depth: 4433.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Shane McBride
Unit No: 84
Reference Elevations: 2957.00 ft (KB)
2952.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8844

Inside

Press@RunDepth: psig @ 4329.00 ft (KB)
Start Date: 2015.06.29 End Date: 2015.06.29
Start Time: 05:35:36 End Time: 12:37:21
Capacity: 8000.00 psig
Last Calib.: 2015.06.29
Time On Btm:
Time Off Btm:

TEST COMMENT: 7" blow
No return
B.O.B. in 23 min.
No return



PRESSURE SUMMARY

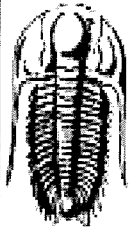
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
60.00	s g o c m 10g 30o 60m	0.30
95.00	s g o c m 10g 40o 50m	0.79
10.00	c g o 10g 90o	0.14
0.00	195' gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

31-20s-33w Scott,KS
Crist Unit #1
Job Ticket: 61493 **DST#: 1**
Test Start: 2015.06.29 @ 05:36:12

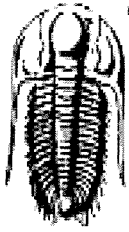
Tool Information

Drill Pipe:	Length: 4202.00 ft	Diameter: 3.80 inches	Volume: 58.94 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 59.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	4328.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	105.00 ft			
Tool Length:	133.00 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			4301.00	
Shut In Tool	5.00			4306.00	
Hydraulic tool	5.00			4311.00	
Jars	5.00			4316.00	
Safety Joint	3.00			4319.00	
Packer	5.00			4324.00	28.00 Bottom Of Top Packer
Packer	4.00			4328.00	
Stubb	1.00			4329.00	
Recorder	0.00	6771	Outside	4329.00	
Recorder	0.00	8844	Inside	4329.00	
Perforations	34.00			4363.00	
Change Over Sub	1.00			4364.00	
Drill Pipe	63.00			4427.00	
Change Over Sub	1.00			4428.00	
Bullnose	5.00			4433.00	105.00 Bottom Packers & Anchor

Total Tool Length: 133.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

31-20s-33w Scott,KS
Crist Unit #1
Job Ticket: 61493 **DST#: 1**
Test Start: 2015.06.29 @ 05:36:12

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 33 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl	
Water Loss: 10.33 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 5000.00 ppm		
Filter Cake: 2.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	s g o c m 10g 30o 60m	0.295
95.00	s g o c m 10g 40o 50m	0.786
10.00	c g o 10g 90o	0.140
0.00	195' gas in pipe	0.000

Total Length: 165.00 ft Total Volume: 1.221 bbl

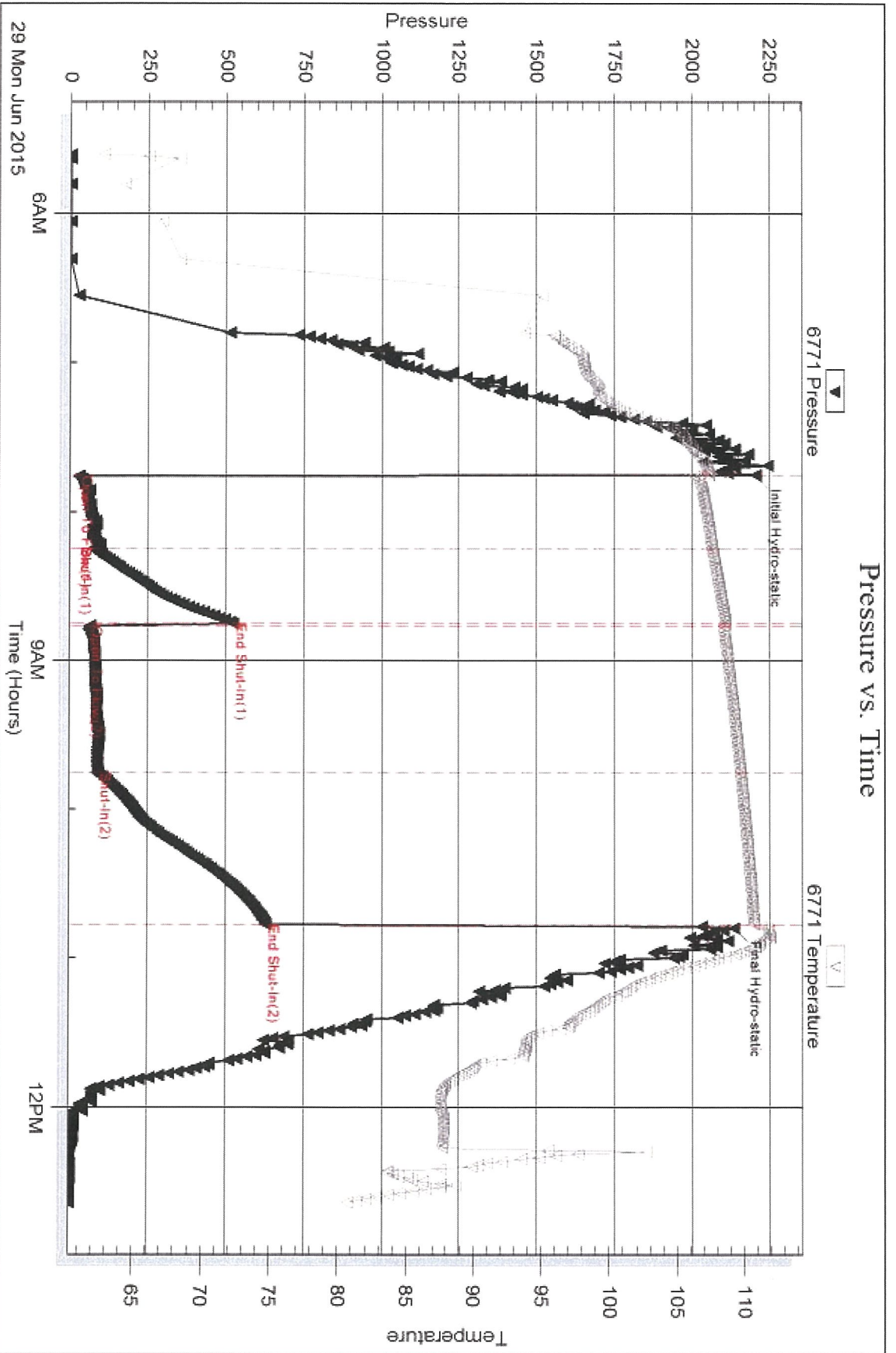
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6771

Outside Patronito Petroleum Inc

Crist Unit #1

DST Test Number: 1



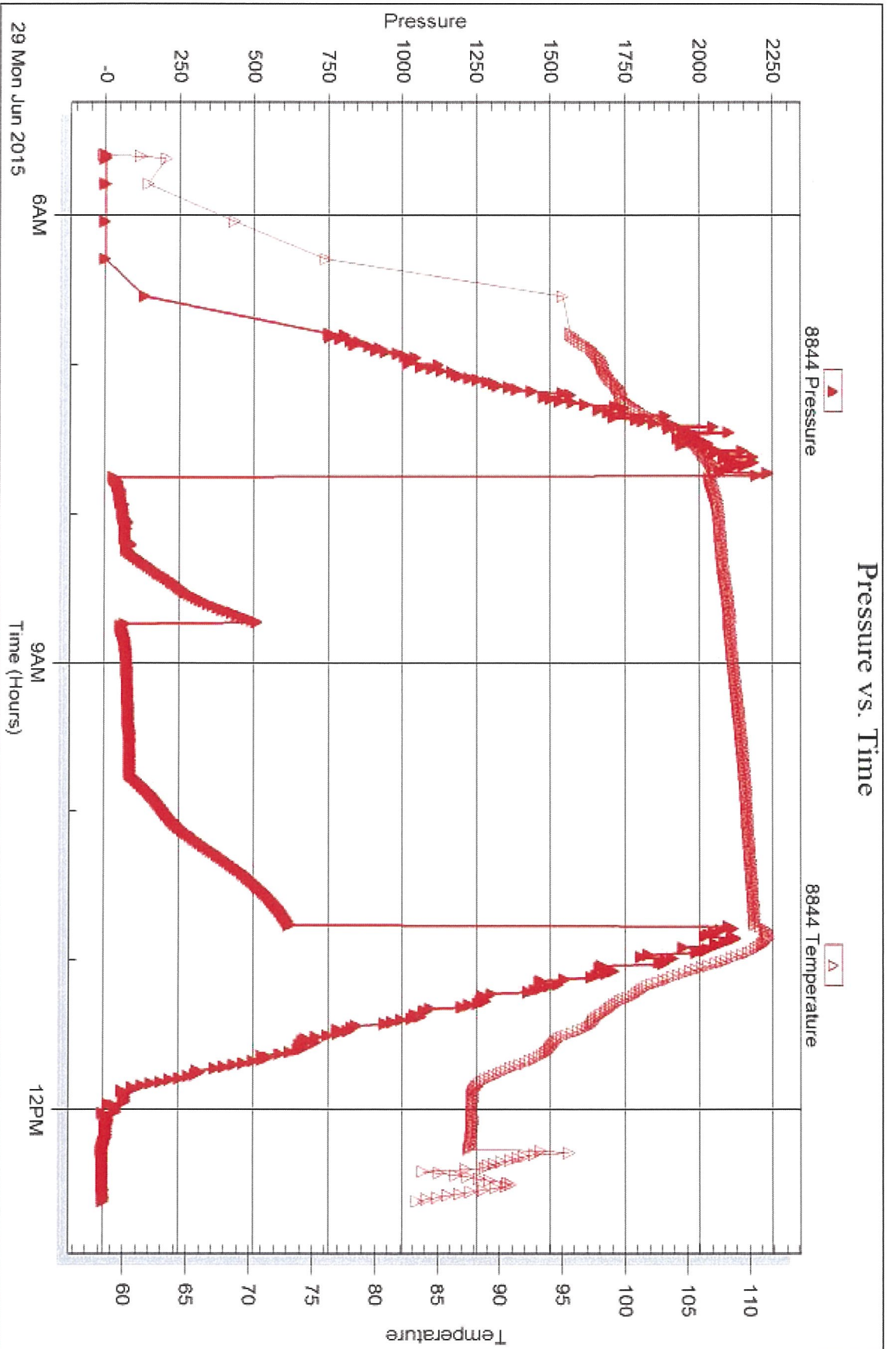
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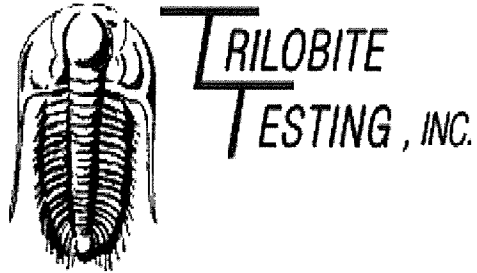
Inside

Palomino Petroleum Inc

Crist Unit #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114-8827

ATTN: Andrew Stenzel

Crist Unit #1

31-20s-33w Scott,KS

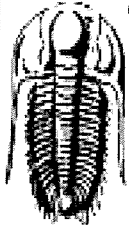
Start Date: 2015.06.30 @ 00:30:53

End Date: 2015.06.30 @ 06:40:38

Job Ticket #: 61494 DST #: 2

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

Printed: 2015.07.06 @ 09:21:47



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

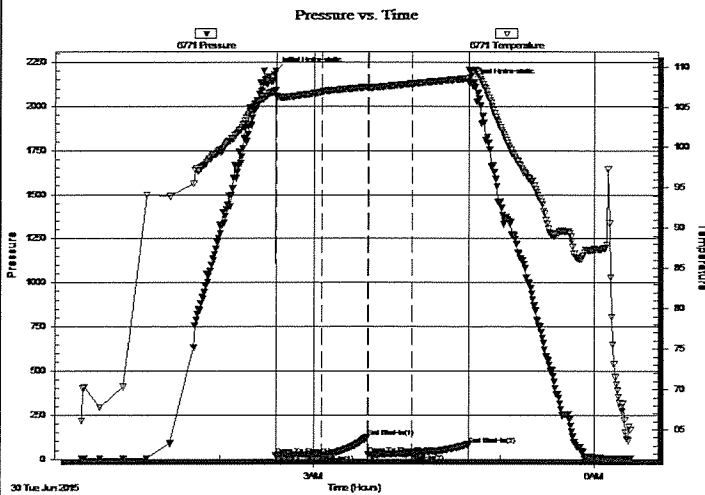
31-20s-33w Scott,KS
Crist Unit #1
Job Ticket: 61494 **DST#: 2**
Test Start: 2015.06.30 @ 00:30:53

GENERAL INFORMATION:

Formation: **Pawnee , Ft Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:35:38
Time Test Ended: 06:40:38
Interval: **4430.00 ft (KB) To 4516.00 ft (KB) (TVD)**
Total Depth: 4516.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Shane McBride
Unit No: 84
Reference Elevations: 2957.00 ft (KB)
2952.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6771 **Outside**
Press@RunDepth: 29.38 psig @ 4431.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.06.30 End Date: 2015.06.30 Last Calib.: 2015.06.30
Start Time: 00:30:53 End Time: 06:23:38 Time On Btm: 2015.06.30 @ 02:35:23
Time Off Btm: 2015.06.30 @ 04:39:38

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2202.51	107.08	Initial Hydro-static
1	20.73	106.30	Open To Flow (1)
30	24.44	106.86	Shut-In(1)
59	125.78	107.46	End Shut-In(1)
60	23.47	107.43	Open To Flow (2)
88	29.38	107.88	Shut-In(2)
124	83.38	108.54	End Shut-In(2)
125	2137.17	109.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100% m	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

31-20s-33w Scott,KS
Crist Unit #1
Job Ticket: 61494 **DST#: 2**
Test Start: 2015.06.30 @ 00:30:53

GENERAL INFORMATION:

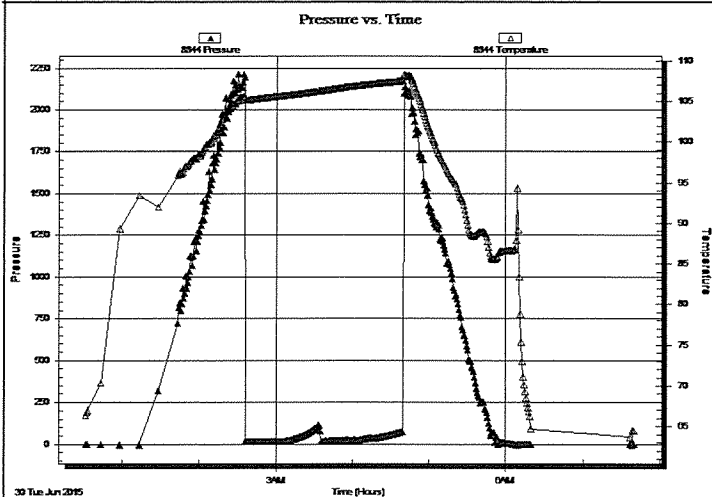
Formation: **Pawnee , Ft Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:35:38 Test Type: Conventional Bottom Hole (Reset)
 Time Test Ended: 06:40:38 Tester: Shane McBride
 Unit No: 84
 Interval: **4430.00 ft (KB) To 4516.00 ft (KB) (TVD)** Reference Elevations: 2957.00 ft (KB)
 Total Depth: 4516.00 ft (KB) (TVD) 2952.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8844

Inside

Press@RunDepth: psig @ 4431.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.06.30 End Date: 2015.06.30 Last Calib.: 2015.06.30
 Start Time: 00:31:09 End Time: 07:39:54 Time On Btm:
 Time Off Btm:

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



PRESSURE SUMMARY

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

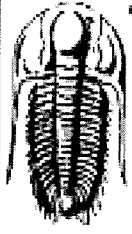
Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100%m	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

31-20s-33w Scott,KS
Crist Unit #1
Job Ticket: 61494 **DST#: 2**
Test Start: 2015.06.30 @ 00:30:53

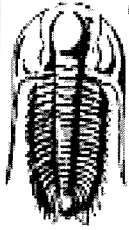
Tool Information

Drill Pipe:	Length: 4295.00 ft	Diameter: 3.80 inches	Volume: 60.25 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 60.84 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	4430.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	86.00 ft			
Tool Length:	114.00 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			4403.00	
Shut In Tool	5.00			4408.00	
Hydraulic tool	5.00			4413.00	
Jars	5.00			4418.00	
Safety Joint	3.00			4421.00	
Packer	5.00			4426.00	28.00 Bottom Of Top Packer
Packer	4.00			4430.00	
Stubb	1.00			4431.00	
Recorder	0.00	6771	Outside	4431.00	
Recorder	0.00	8844	Inside	4431.00	
Perforations	15.00			4446.00	
Change Over Sub	1.00			4447.00	
Drill Pipe	63.00			4510.00	
Change Over Sub	1.00			4511.00	
Bullnose	5.00			4516.00	86.00 Bottom Packers & Anchor

Total Tool Length: 114.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

31-20s-33w Scott,KS
Crist Unit #1
Job Ticket: 61494 **DST#: 2**
Test Start: 2015.06.30 @ 00:30:53

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: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.32 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud 100%m	0.010

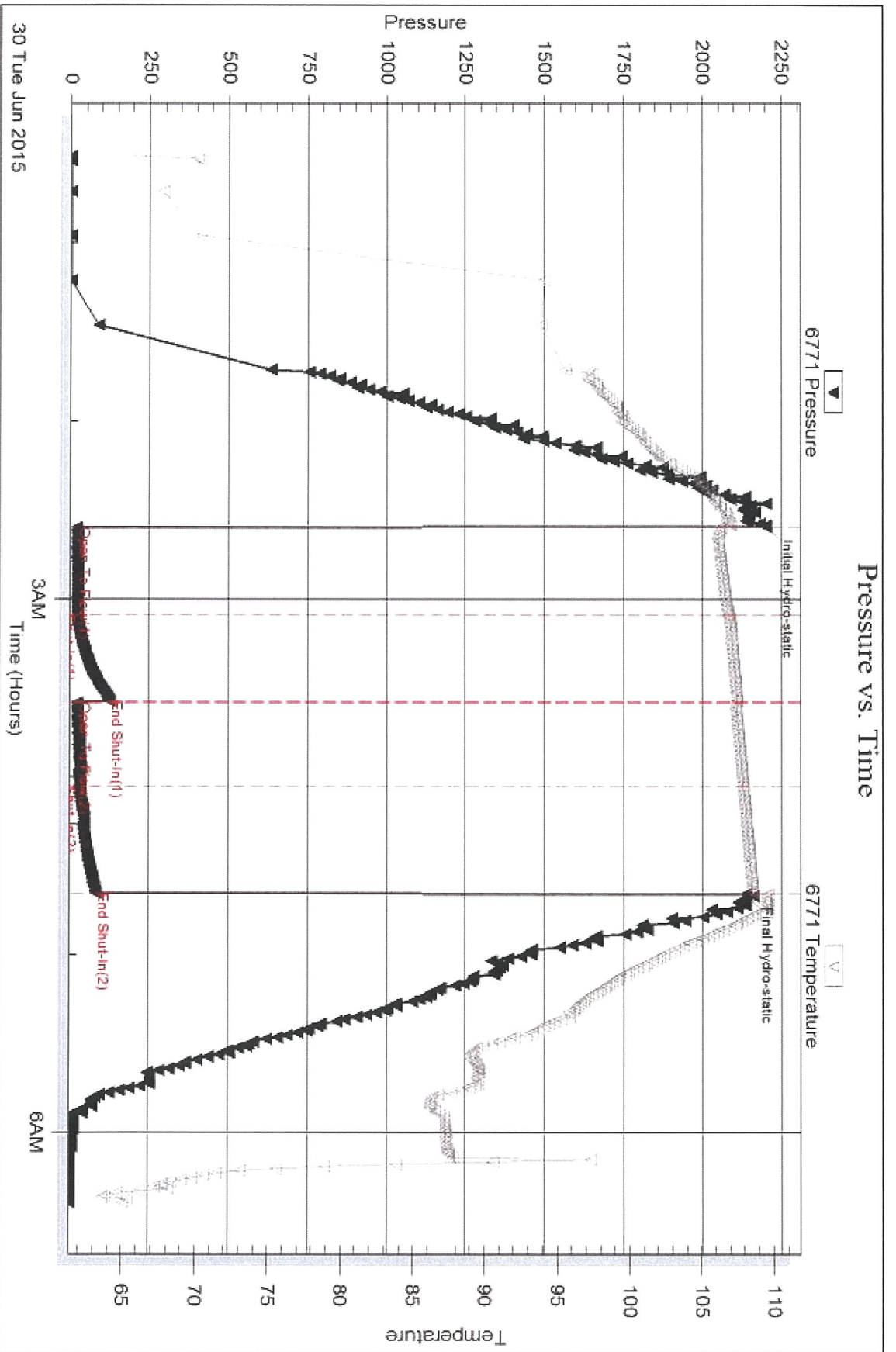
Total Length: 2.00 ft Total Volume: 0.010 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 6771

Outside Palominio Petroleum Inc

Crist Unit #1

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 61494

Printed: 2015.07.06 @ 09:21:50

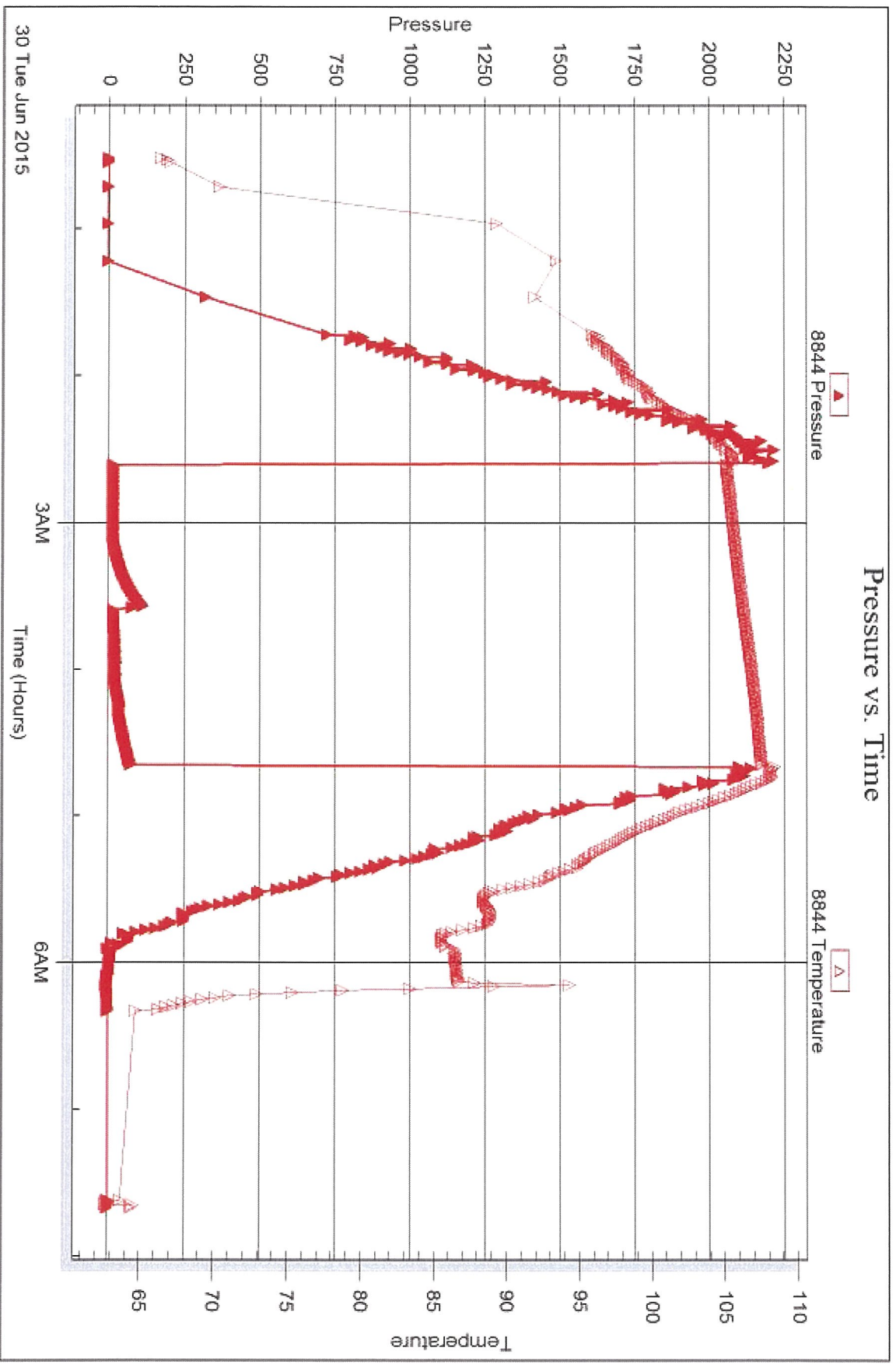
Serial #: 8844

Inside

Palomino Petroleum Inc

Crist Unit #1

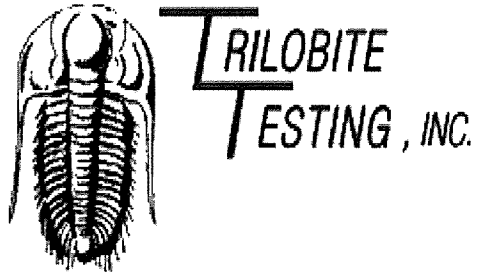
DST Test Number: 2



Triobite Testing, Inc

Ref. No: 61494

Printed: 2015.07.06 @ 09:21:50



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114-8827

ATTN: Andrew Stenzel

Crist Unit #1

31-20s-33w Scott,KS

Start Date: 2015.07.01 @ 02:25:32

End Date: 2015.07.01 @ 08:25:32

Job Ticket #: 61495 DST #: 3

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

Printed: 2015.07.06 @ 09:20:34



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc
 4924 SE 84th St
 Newton, KS 67114-8827
 ATTN: Andrew Stenzel

31-20s-33w Scott,KS
Crist Unit #1
 Job Ticket: 61495 **DST#: 3**
 Test Start: 2015.07.01 @ 02:25:32

GENERAL INFORMATION:

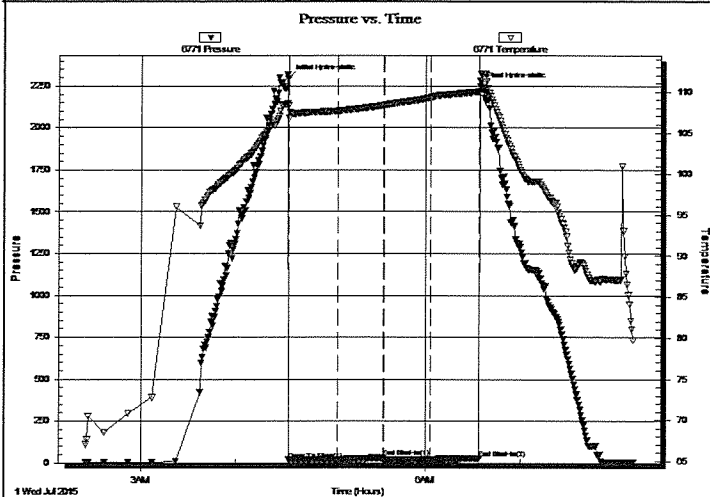
Formation: **Morrow Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:33:32
 Time Test Ended: 08:25:32
 Interval: **4645.00 ft (KB) To 4675.00 ft (KB) (TVD)**
 Total Depth: 4675.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Shane McBride
 Unit No: 84
 Reference Elevations: 2957.00 ft (KB)
 2952.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6771

Outside

Press@RunDepth: 22.67 psig @ 4646.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.07.01 End Date: 2015.07.01 Last Calib.: 2015.07.01
 Start Time: 02:25:32 End Time: 08:11:32 Time On Btm: 2015.07.01 @ 04:33:17
 Time Off Btm: 2015.07.01 @ 06:34:17

TEST COMMENT: Surface blow died in 12 min.
 No return
 No blow
 No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2293.91	108.29	Initial Hydro-static
1	18.85	106.76	Open To Flow (1)
32	21.54	107.67	Shut-In(1)
61	30.88	108.34	End Shut-In(1)
61	22.35	108.34	Open To Flow (2)
90	22.67	109.29	Shut-In(2)
121	27.82	110.04	End Shut-In(2)
121	2249.99	111.39	Final Hydro-static

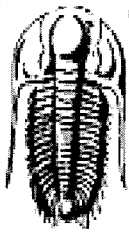
Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100% m	0.01

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc

31-20s-33w Scott, KS

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

Crist Unit #1

Job Ticket: 61495

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2015.07.01 @ 02:25:32

GENERAL INFORMATION:

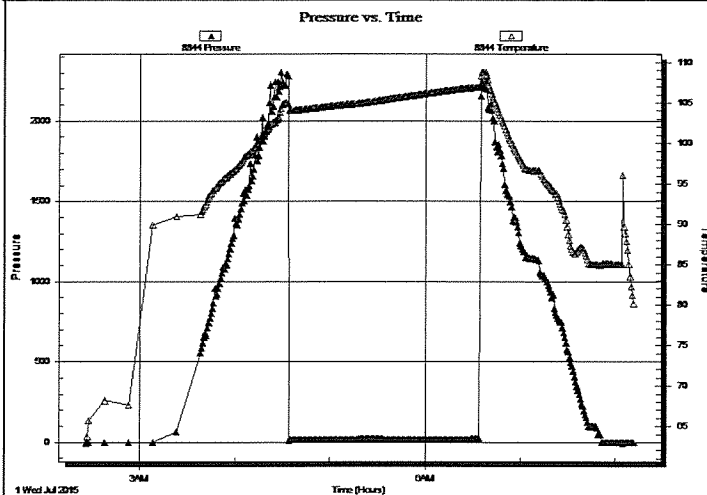
Formation: Morrow Sand		
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 04:33:32		Tester: Shane McBride
Time Test Ended: 08:25:32		Unit No: 84
Interval: 4645.00 ft (KB) To 4675.00 ft (KB) (TVD)		Reference Elevations: 2957.00 ft (KB)
Total Depth: 4675.00 ft (KB) (TVD)		2952.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 5.00 ft

Serial #: 8844

Inside

Press@RunDepth: psig @ 4646.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2015.07.01	End Date: 2015.07.01
Start Time: 02:26:13	End Time: 08:11:58
	Time On Btm:
	Time Off Btm:

TEST COMMENT: Surface blow died in 12 min.
No return
No blow
No return



PRESSURE SUMMARY

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

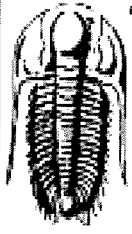
Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100%m	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

31-20s-33w Scott,KS
Crist Unit #1
Job Ticket: 61495 **DST#: 3**
Test Start: 2015.07.01 @ 02:25:32

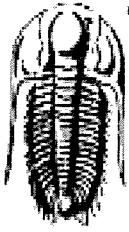
Tool Information

Drill Pipe:	Length: 4516.00 ft	Diameter: 3.80 inches	Volume: 63.35 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 63.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4645.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	58.00 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			4618.00	
Shut In Tool	5.00			4623.00	
Hydraulic tool	5.00			4628.00	
Jars	5.00			4633.00	
Safety Joint	3.00			4636.00	
Packer	5.00			4641.00	28.00 Bottom Of Top Packer
Packer	4.00			4645.00	
Stubb	1.00			4646.00	
Recorder	0.00	6771	Outside	4646.00	
Recorder	0.00	8844	Inside	4646.00	
Perforations	24.00			4670.00	
Bullnose	5.00			4675.00	30.00 Bottom Packers & Anchor

Total Tool Length: 58.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

31-20s-33w Scott,KS
Crist Unit #1
Job Ticket: 61495 **DST#: 3**
Test Start: 2015.07.01 @ 02:25:32

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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.33 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud 100%m	0.010

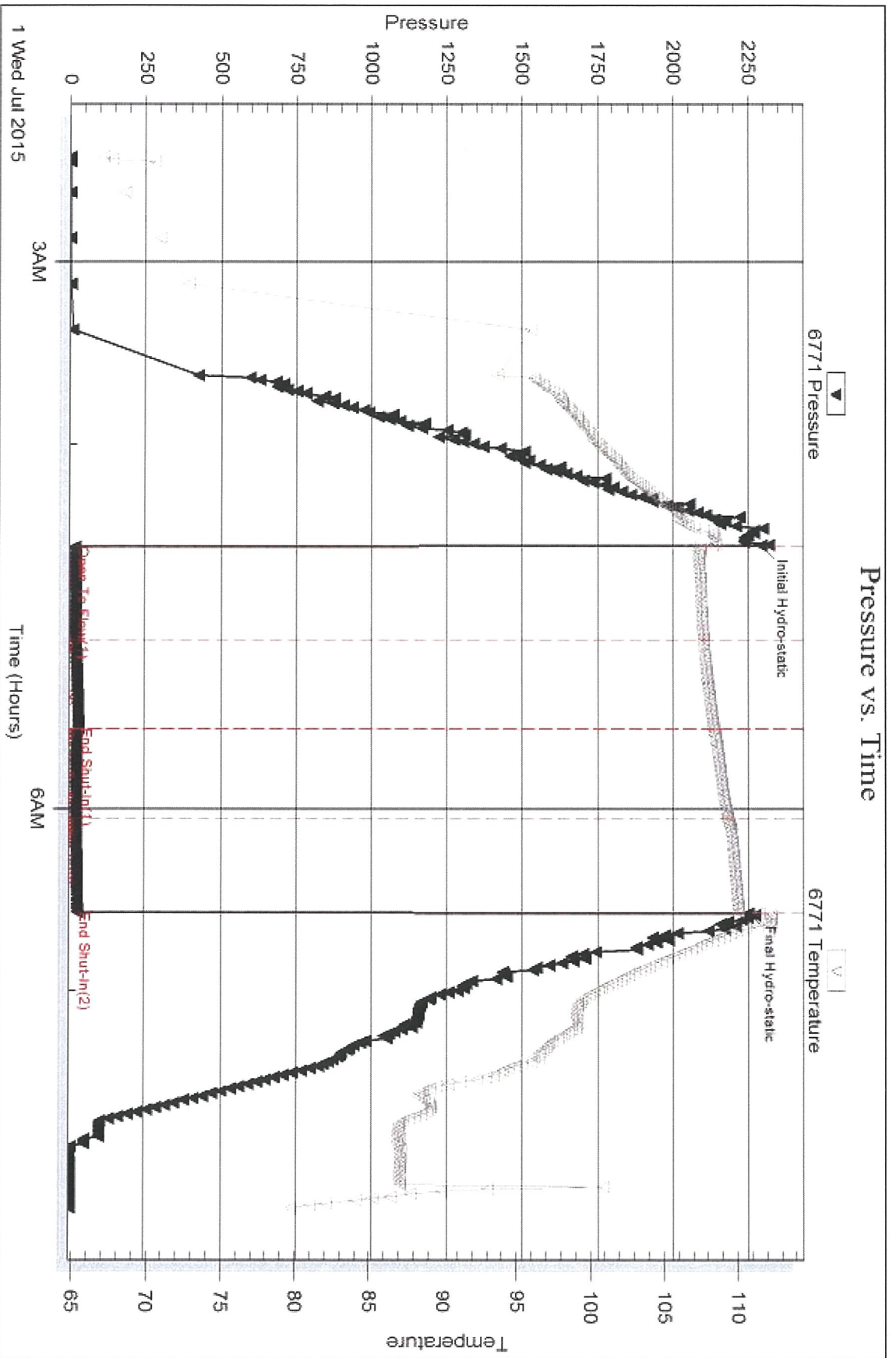
Total Length: 2.00 ft Total Volume: 0.010 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 6771

Outside Palominio Petroleum Inc

Crist Unit #1

DST Test Number: 3



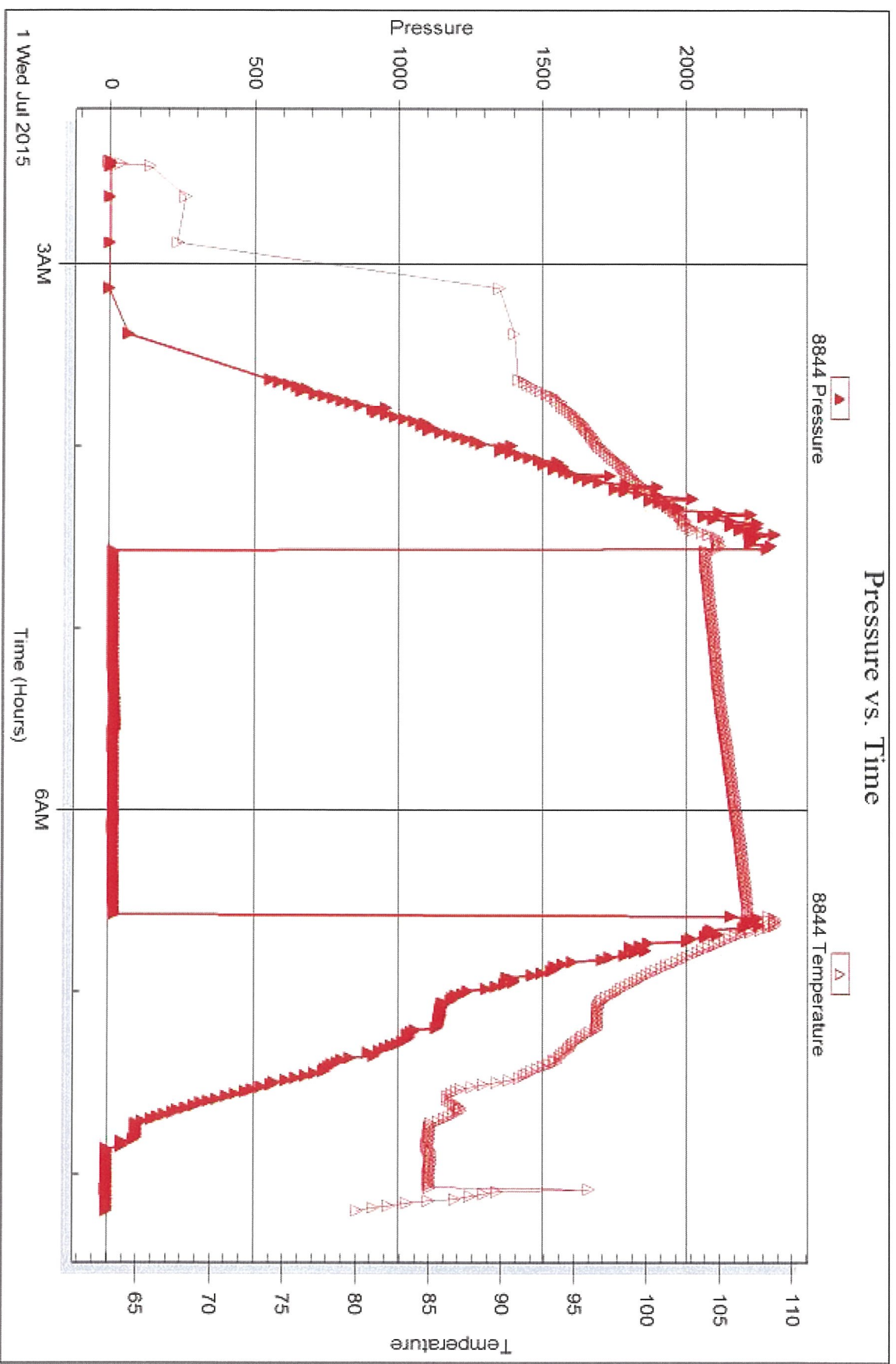
Serial #: 8844

Inside

Palomino Petroleum Inc

Crist Unit #1

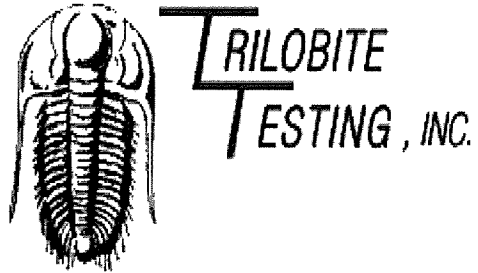
DST Test Number: 3



Tribble Testing, Inc

Ref. No: 61495

Printed: 2015.07.06 @ 09:20:37



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114-8827

ATTN: Andrew Stenzel

Crist Unit #1

31-20s-33w Scott,KS

Start Date: 2015.07.01 @ 16:25:15

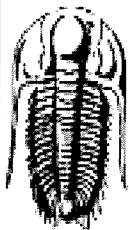
End Date: 2015.07.01 @ 23:30:45

Job Ticket #: 61496 DST #: 4

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

Printed: 2015.07.06 @ 09:20:16

Palomino Petroleum Inc
31-20s-33w Scott,KS
Crist Unit #1
DST # 4
Lower Morrow Sand
2015.07.01



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

31-20s-33w Scott,KS
Crist Unit #1
Job Ticket: 61496 **DST#: 4**
Test Start: 2015.07.01 @ 16:25:15

GENERAL INFORMATION:

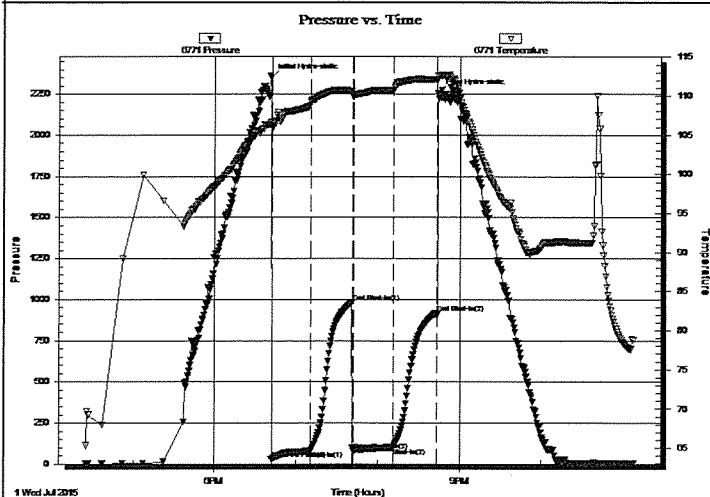
Formation: **Lower Morrow Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:42:00
Time Test Ended: 23:30:45
Interval: **4645.00 ft (KB) To 4709.00 ft (KB) (TVD)**
Total Depth: 4709.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Shane McBride
Unit No: 84
Reference Elevations: 2957.00 ft (KB)
2952.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6771

Outside

Press@RunDepth: 100.21 psig @ 4646.00 ft (KB)
Start Date: 2015.07.01 End Date: 2015.07.01
Start Time: 16:25:15 End Time: 23:07:45
Capacity: 8000.00 psig
Last Calib.: 2015.07.01
Time On Btm: 2015.07.01 @ 18:41:30
Time Off Btm: 2015.07.01 @ 20:44:15

TEST COMMENT: B.O.B. in 29 min.
No return
B.O.B. in 12 min
Return blow in 5 min. built to 1" died back to a surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2349.64	106.66	Initial Hydro-static
1	29.40	105.99	Open To Flow (1)
30	79.92	109.36	Shut-In(1)
60	980.70	110.64	End Shut-In(1)
61	79.33	109.89	Open To Flow (2)
90	100.21	110.68	Shut-In(2)
122	920.32	112.14	End Shut-In(2)
123	2257.07	112.51	Final Hydro-static

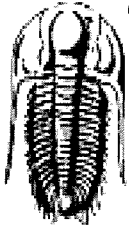
Recovery

Length (ft)	Description	Volume (bbl)
60.00	g m c o 25g 20m 55o	0.30
120.00	g o c m 20g 30o 50m	1.14
30.00	s g o c m 5g 25o 70m	0.42
0.00	gas in pipe? no odor	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum Inc
4924 SE 84th St
Newton, KS 67114-8827
ATTN: Andrew Stenzel

31-20s-33w Scott,KS
Crist Unit #1
Job Ticket: 61496 **DST#: 4**
Test Start: 2015.07.01 @ 16:25:15

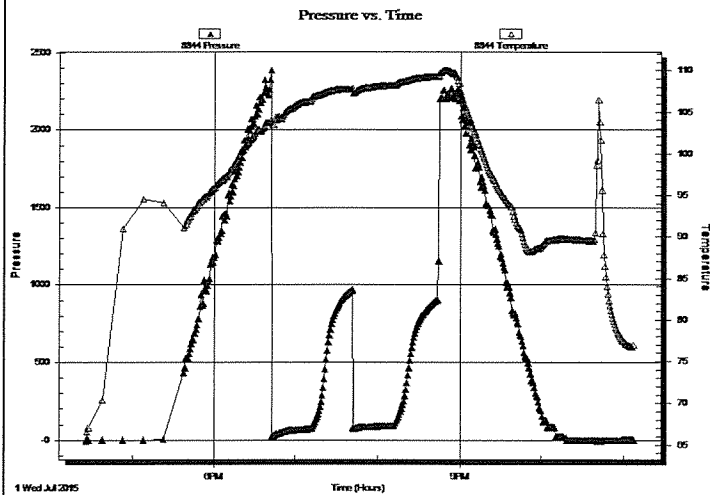
GENERAL INFORMATION:

Formation: **Lower Morrow Sand**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 18:42:00 Tester: Shane McBride
Time Test Ended: 23:30:45 Unit No: 84

Interval: **4645.00 ft (KB) To 4709.00 ft (KB) (TVD)** Reference Elevations: 2957.00 ft (KB)
Total Depth: 4709.00 ft (KB) (TVD) 2952.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8844 **Inside**
Press@RunDepth: psig @ 4646.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.07.01 End Date: 2015.07.01 Last Calib.: 2015.07.01
Start Time: 16:25:47 End Time: 23:08:02 Time On Btm:
Time Off Btm:

TEST COMMENT: B.O.B. in 29 min.
No return
B.O.B. in 12 min
Return blow in 5 min. built to 1" died back to a surface blow



PRESSURE SUMMARY

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

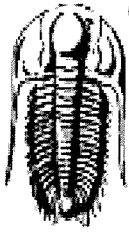
Recovery

Length (ft)	Description	Volume (bbl)
60.00	g m c o 25g 20m 55o	0.30
120.00	g o c m 20g 30o 50m	1.14
30.00	s g o c m 5g 25o 70m	0.42
0.00	gas in pipe? no odor	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

Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

31-20s-33w Scott,KS
Crist Unit #1
Job Ticket: 61496 **DST#: 4**
Test Start: 2015.07.01 @ 16:25:15

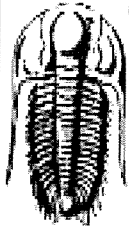
Tool Information

Drill Pipe:	Length: 4517.00 ft	Diameter: 3.80 inches	Volume: 63.36 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 98000.00 lb
			<u>Total Volume: 63.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4645.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	92.00 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			4618.00	
Shut In Tool	5.00			4623.00	
Hydraulic tool	5.00			4628.00	
Jars	5.00			4633.00	
Safety Joint	3.00			4636.00	
Packer	5.00			4641.00	28.00 Bottom Of Top Packer
Packer	4.00			4645.00	
Stubb	1.00			4646.00	
Recorder	0.00	6771	Outside	4646.00	
Recorder	0.00	8844	Inside	4646.00	
Perforations	24.00			4670.00	
Change Over Sub	1.00			4671.00	
Drill Pipe	32.00			4703.00	
Change Over Sub	1.00			4704.00	
Bullnose	5.00			4709.00	64.00 Bottom Packers & Anchor

Total Tool Length: 92.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

31-20s-33w Scott,KS
Crist Unit #1
Job Ticket: 61496 **DST#: 4**
Test Start: 2015.07.01 @ 16:25:15

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:	48.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	10.32 in ³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	g m c o 25g 20m 55o	0.295
120.00	g o c m 20g 30o 50m	1.137
30.00	s g o c m 5g 25o 70m	0.421
0.00	gas in pipe? no odor	0.000

Total Length: 210.00 ft Total Volume: 1.853 bbl

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

Laboratory Name: Laboratory Location:

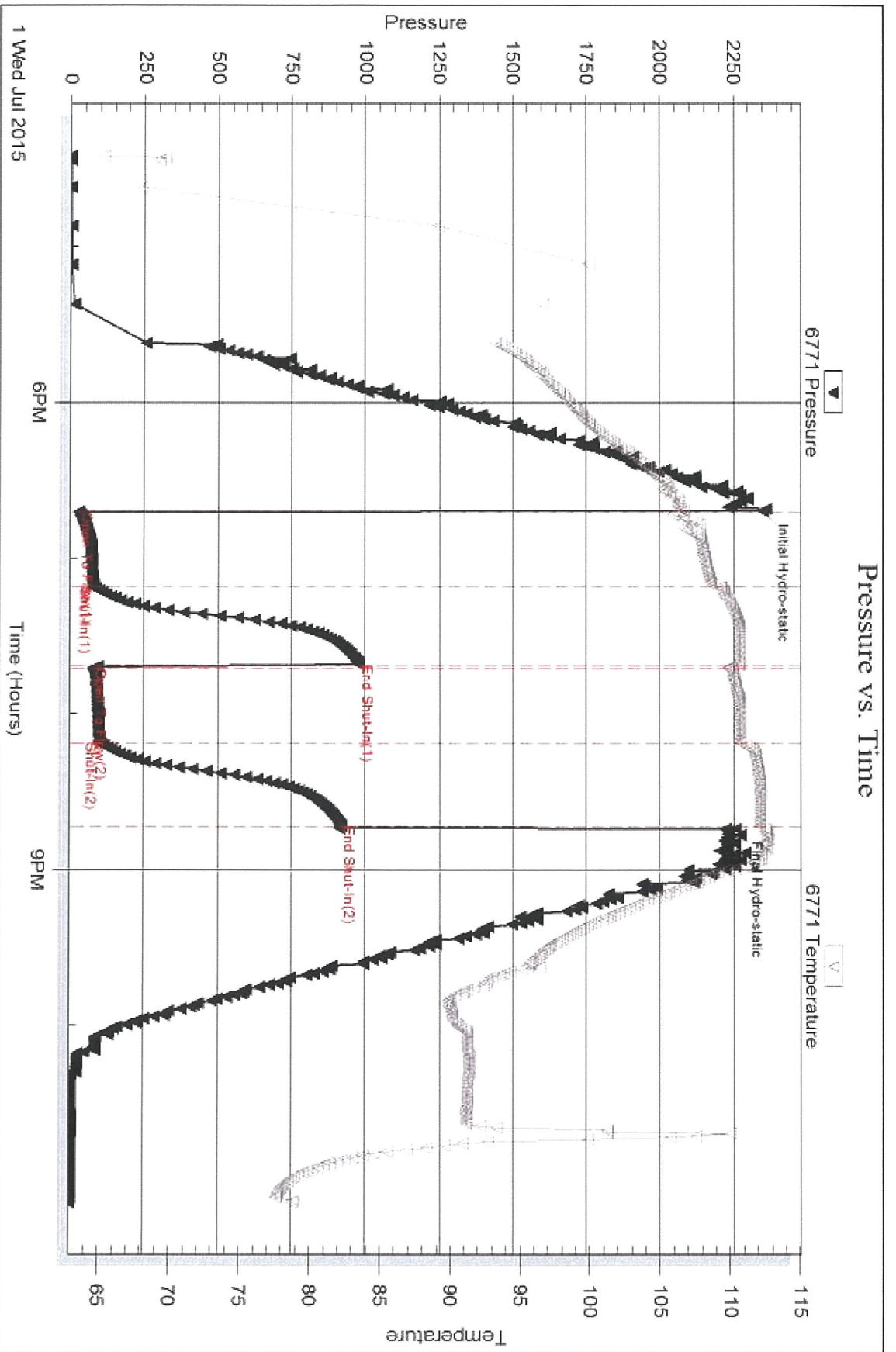
Recovery Comments:

Serial #: 6771

Outside Palominu Petroleum Inc

Crist Unit #1

DST Test Number: 4



Tribble Testing, Inc

Ref. No: 61496

Printed: 2015.07.06 @ 09:20:18

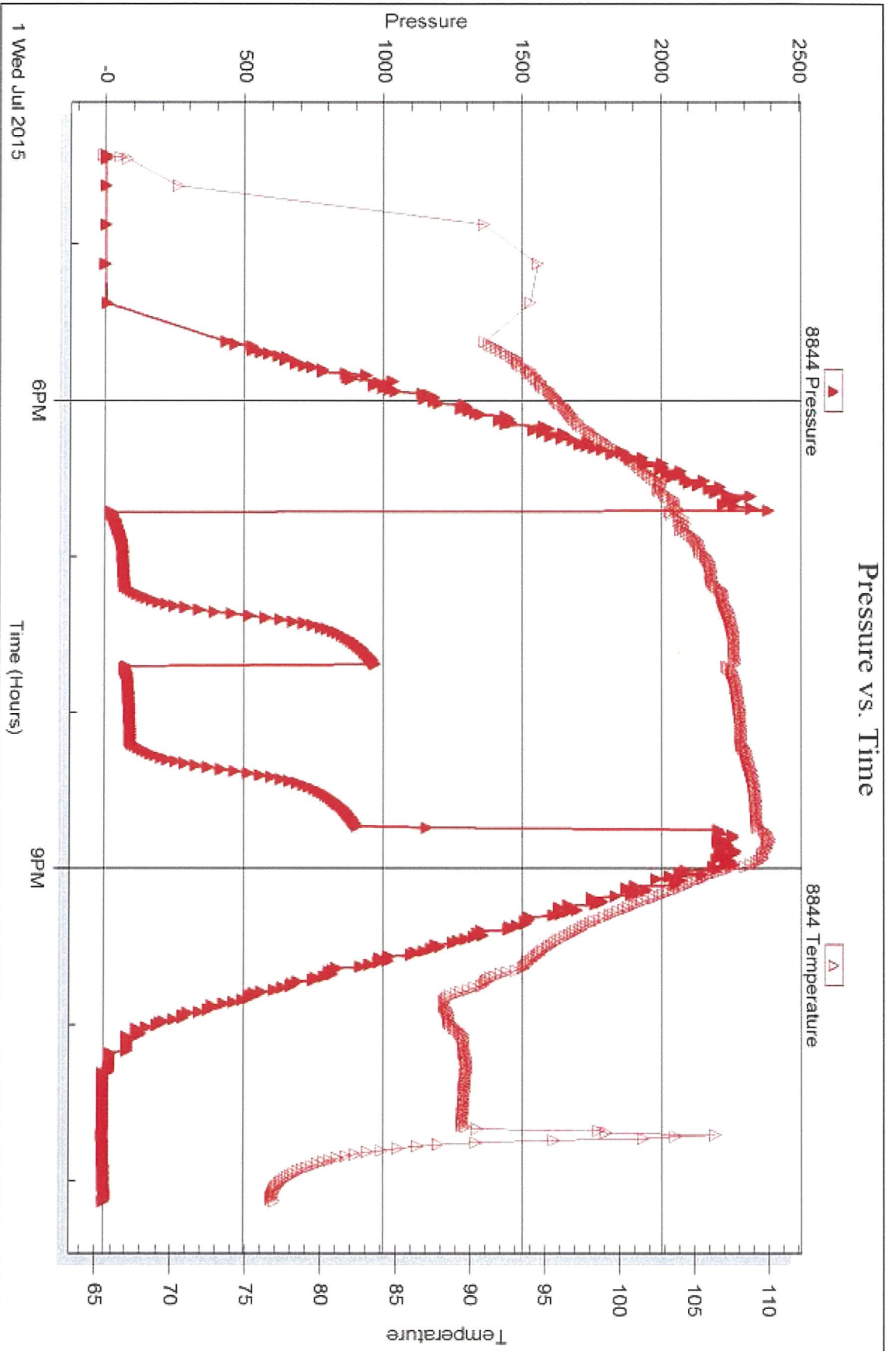
Serial #: 8844

Inside

Palomino Petroleum Inc

Crist Unit #1

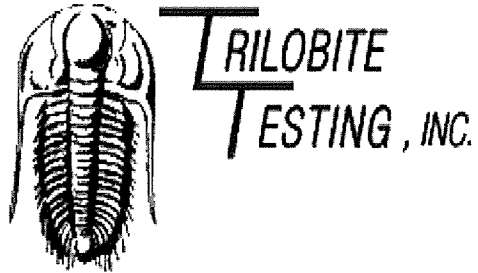
DST Test Number: 4



Triobite Testing, Inc

Ref. No: 61496

Printed: 2015.07.06 @ 09:20:18



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114-8827

ATTN: Andrew Stenzel

Crist Unit #1

31-20s-33w Scott,KS

Start Date: 2015.07.02 @ 22:28:20

End Date: 2015.07.03 @ 04:35:20

Job Ticket #: 61498 DST #: 5

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

Printed: 2015.07.06 @ 09:19:49

Palomino Petroleum Inc
31-20s-33w Scott,KS
Crist Unit #1
DST # 5
Johnson
2015.07.02



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum Inc
 4924 SE 84th St
 Newton, KS 67114-8827
 ATTN: Andrew Stenzel

31-20s-33w Scott,KS
Crist Unit #1
 Job Ticket: 61498 **DST#: 5**
 Test Start: 2015.07.02 @ 22:28:20

GENERAL INFORMATION:

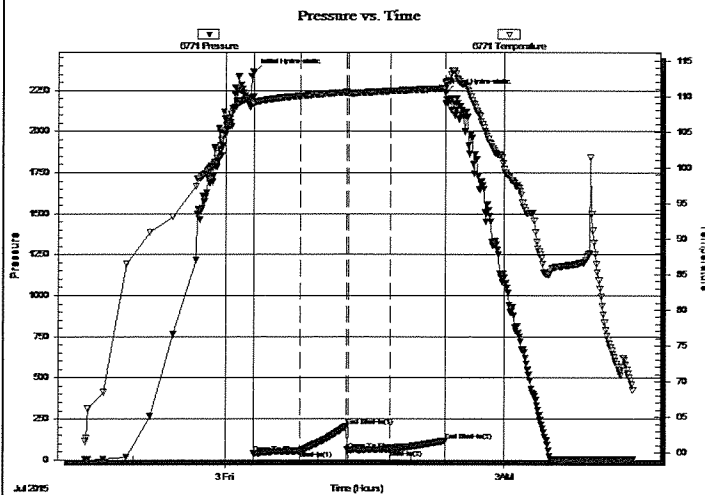
Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:17:50
 Time Test Ended: 04:35:20
 Interval: **4500.00 ft (KB) To 4644.00 ft (KB) (TVD)**
 Total Depth: 4865.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Shane McBride
 Unit No: 84
 Reference Elevations: 2957.00 ft (KB)
 2952.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6771

Outside

Press@RunDepth: 64.07 psig @ 4501.00 ft (KB)
 Start Date: 2015.07.02 End Date: 2015.07.03
 Start Time: 22:28:35 End Time: 04:22:20
 Capacity: 8000.00 psig
 Last Calib.: 2015.07.03
 Time On Btm: 2015.07.03 @ 00:17:35
 Time Off Btm: 2015.07.03 @ 02:21:50

TEST COMMENT: 1" blow
 No return
 No blow
 No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2358.06	109.98	Initial Hydro-static
1	37.05	109.00	Open To Flow (1)
31	55.45	110.06	Shut-In(1)
61	206.30	110.57	End Shut-In(1)
62	58.68	110.43	Open To Flow (2)
89	64.07	110.73	Shut-In(2)
124	117.03	111.10	End Shut-In(2)
125	2234.97	111.99	Final Hydro-static

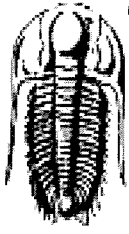
Recovery

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

Palomino Petroleum Inc
 4924 SE 84th St
 Newton, KS 67114-8827
 ATTN: Andrew Stenzel

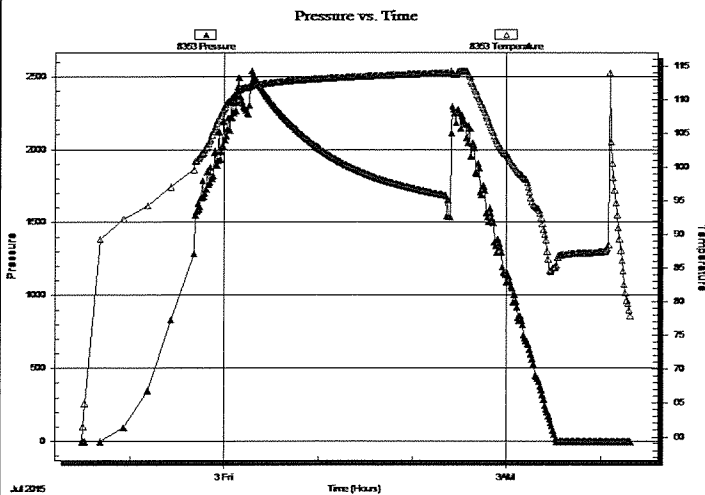
31-20s-33w Scott,KS
Crist Unit #1
 Job Ticket: 61498 **DST#: 5**
 Test Start: 2015.07.02 @ 22:28:20

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:17:50
 Time Test Ended: 04:35:20
 Interval: **4500.00 ft (KB) To 4644.00 ft (KB) (TVD)**
 Total Depth: 4865.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Shane McBride
 Unit No: 84
 Reference Elevations: 2957.00 ft (KB)
 2952.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8353 Below (Straddle)
 Press@RunDepth: psig @ 4669.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.07.02 End Date: 2015.07.03 Last Calib.: 2015.07.03
 Start Time: 22:28:53 End Time: 04:18:53 Time On Btm:
 Time Off Btm:

TEST COMMENT: 1" blow
 No return
 No blow
 No return



PRESSURE SUMMARY

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

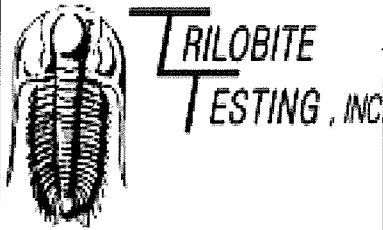
Recovery

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)



DRILL STEM TEST REPORT

Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

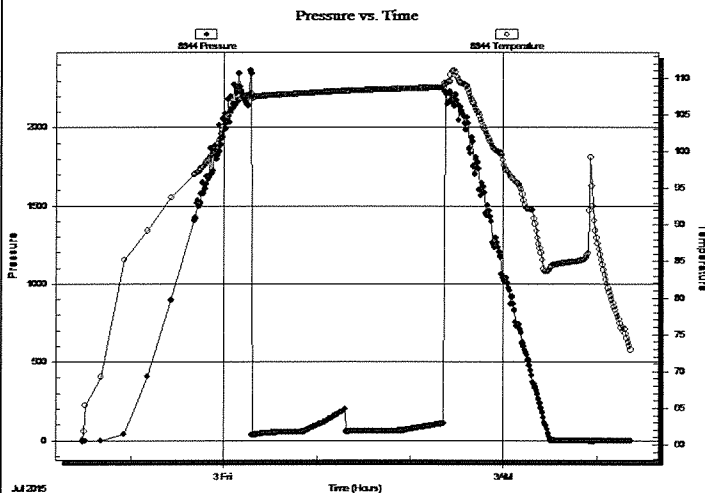
31-20s-33w Scott,KS
Crist Unit #1
Job Ticket: 61498 DST#: 5
Test Start: 2015.07.02 @ 22:28:20

GENERAL INFORMATION:

Formation: **Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:17:50
Time Test Ended: 04:35:20
Interval: **4500.00 ft (KB) To 4644.00 ft (KB) (TVD)**
Total Depth: 4865.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Shane McBride
Unit No: 84
Reference Elevations: 2957.00 ft (KB)
2952.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8844 Inside
Press@RunDepth: psig @ 4501.00 ft (KB)
Start Date: 2015.07.02 End Date: 2015.07.03 Capacity: 8000.00 psig
Start Time: 22:29:06 End Time: 04:21:36 Last Calib.: 2015.07.03
Time On Btm:
Time Off Btm:

TEST COMMENT: 1" blow
No return
No blow
No return



PRESSURE SUMMARY

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

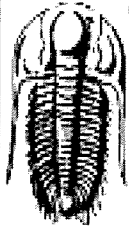
Recovery

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

TOOL DIAGRAM

Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

31-20s-33w Scott,KS
Crist Unit #1
Job Ticket: 61498 **DST#: 5**
Test Start: 2015.07.02 @ 22:28:20

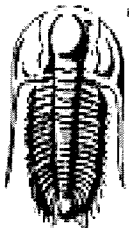
Tool Information

Drill Pipe:	Length: 4363.00 ft	Diameter: 3.80 inches	Volume: 61.20 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 61.79 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4500.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	364.00 ft			
Tool Length:	389.00 ft			
Number of Packers:	4	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4476.00	
Shut In Tool	5.00			4481.00	
Hydraulic tool	5.00			4486.00	
Jars	5.00			4491.00	
Packer	5.00			4496.00	25.00 Bottom Of Top Packer
Packer	4.00			4500.00	
Stubb	1.00			4501.00	
Recorder	0.00	6771	Outside	4501.00	
Recorder	0.00	8844	Inside	4501.00	
Perforations	5.00			4506.00	
Change Over Sub	1.00			4507.00	
Drill Pipe	126.00			4633.00	
Change Over Sub	1.00			4634.00	
Perforations	5.00			4639.00	
Blank Off Sub	1.00			4640.00	
top of s. packer	3.00			4643.00	
straddle packer	0.00			4643.00	
Stubb	1.00			4644.00	
Packer - Shale	4.00			4648.00	
Stubb	1.00			4649.00	
Anchor	19.00			4668.00	
Change Over Sub	1.00			4669.00	
Recorder	0.00	8353	Below	4669.00	
Drill Pipe	189.00			4858.00	
Change Over Sub	1.00			4859.00	
Bullnose	5.00			4864.00	364.00 Bottom Packers & Anchor

Total Tool Length: 389.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

31-20s-33w Scott,KS
Crist Unit #1
Job Ticket: 61498 **DST#: 5**
Test Start: 2015.07.02 @ 22:28:20

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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6500.00 ppm			
Filter Cake: 2.00 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:

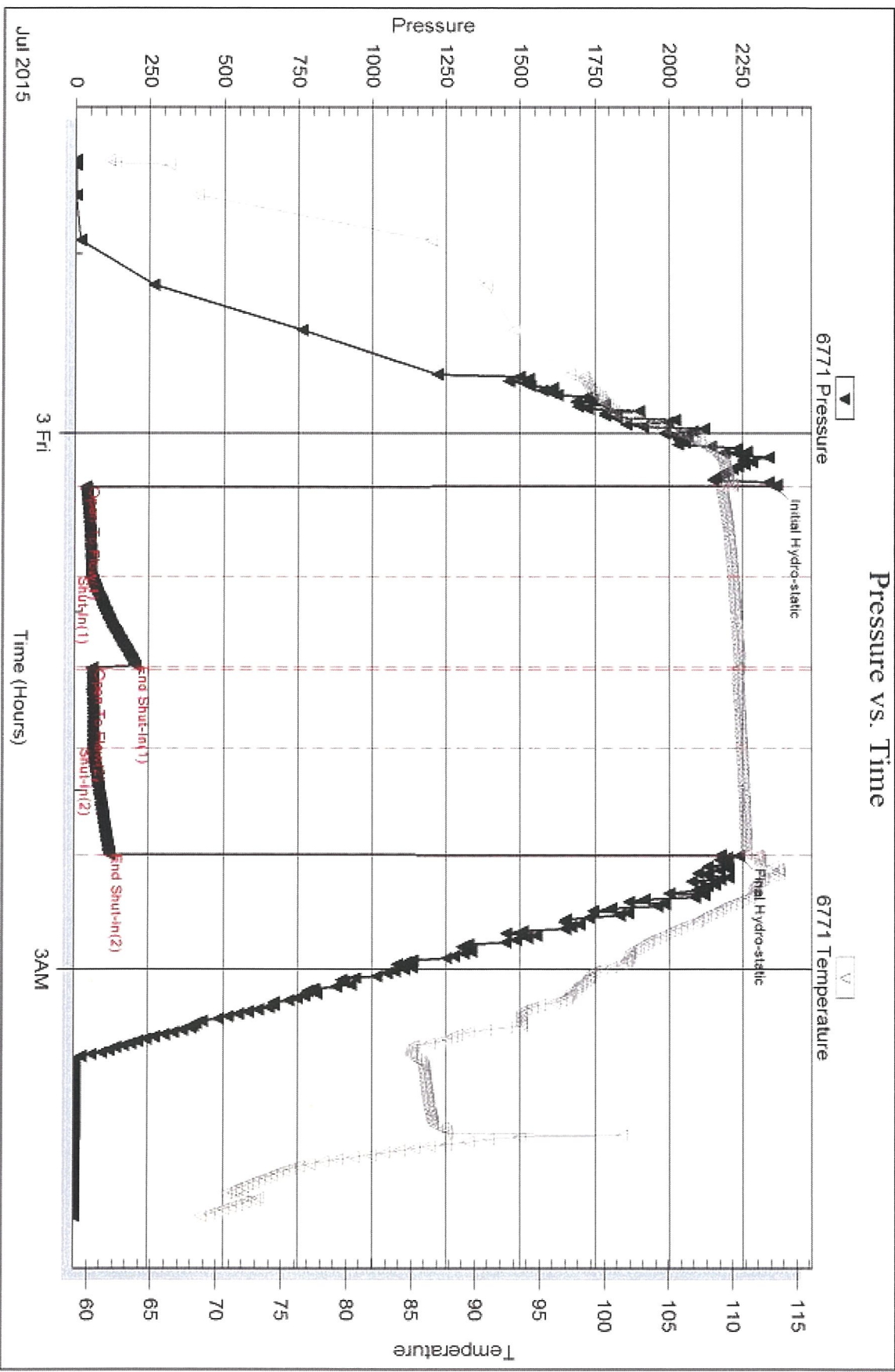
Serial #: 6771

Outside

Palomino Petroleum Inc

Crist Unit #1

DST Test Number: 5

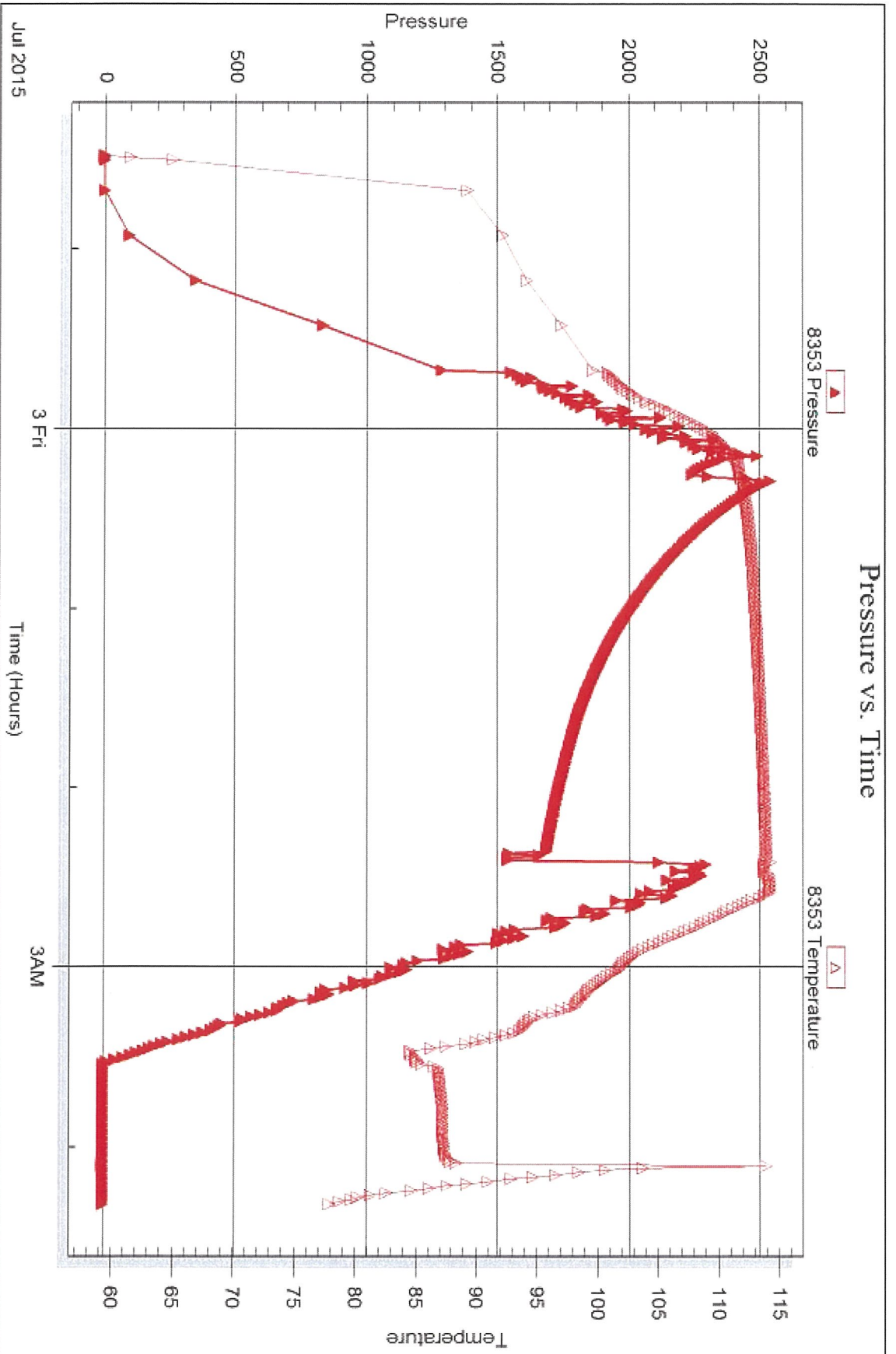


Serial #: 8353

Below (Str. ~~Ratio~~) Petroleum Inc

Crist Unit #1

DST Test Number: 5



Triobite Testing, Inc

Ref. No: 61498

Printed: 2015.07.06 @ 09:19:57

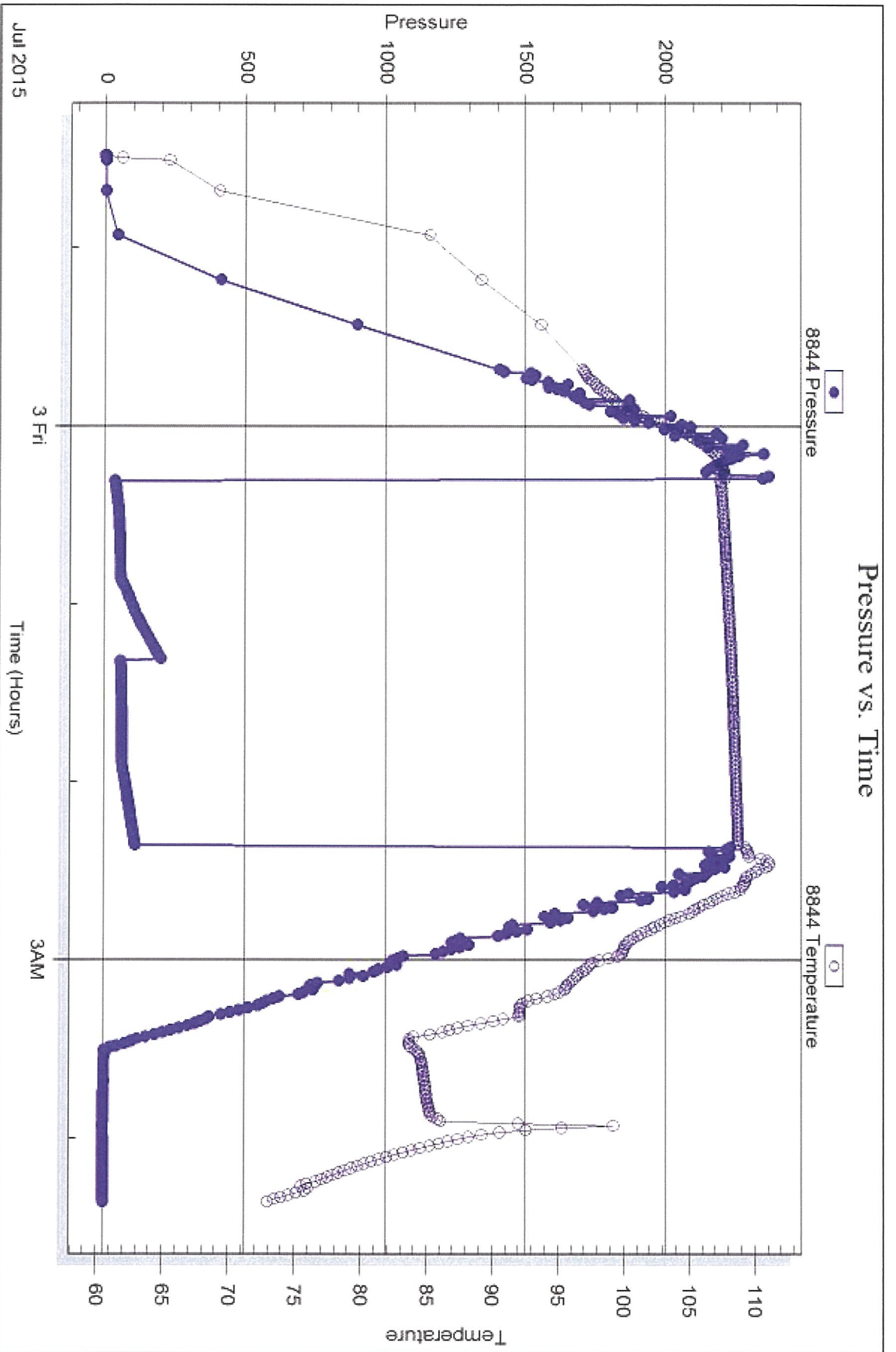
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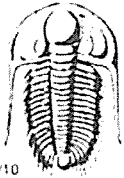
Inside

Palominio Petroleum Inc

Crist Unit #1

DST Test Number: 5





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61493

Well Name & No. Crist Unit #1 Test No. #1 Date 6/29/15
 Company Petroleum Petroleum Inc. Elevation 2957 KB 2952 GL
 Address 4924 SE 84th St Newton, KS 67114-8827
 Co. Rep / Geo. Andrew Stenzel Rig WW #10
 Location: Sec. 31 Twp. 20 Rge. 33 Co. Scott State Ks

Interval Tested 4328 4433 Zone Tested Marmaton
 Anchor Length 105 Drill Pipe Run 4207 Mud Wt. 9.3
 Top Packer Depth 4323 Drill Collars Run 120' Vis 55
 Bottom Packer Depth 4328 Wt. Pipe Run _____ WL 10.4
 Total Depth 4433 Chlorides 5000 ppm System LCM #2

Blow Description 7" in blow
No return
B.O.B. in 23 min
No return

Rec	Feet of	%gas	%oil	%water	%mud
10'	C90	10	90		
95'	890cm	10	40		50
60'	890cm	10	30		60
	195' GAS in Pipe				

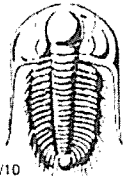
Rec Total 165' BHT 112° Gravity 33 API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic 2203 Test 1150 T-On Location 04:10
 (B) First Initial Flow 28 Jars 250 T-Started 05:35
 (C) First Final Flow 77 Safety Joint 75 T-Open 07:45
 (D) Initial Shut-In 523 Circ Sub N/C T-Pulled 10:45
 (E) Second Initial Flow 61 Hourly Standby _____ T-Out 12:55
 (F) Second Final Flow 90 Mileage HTRT 47 Comments _____
 (G) Final Shut-In 631 Sampler _____
 (H) Final Hydrostatic 2133 Straddle _____ Ruined Shale Packer _____

Initial Open 30 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 30 Extra Packer _____ Extra Copies _____
 Final Flow 60 Extra Recorder _____ Sub Total 0
 Final Shut-In 40 Day Standby _____ Total 1522
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1522

Approved By Andrew Stenzel 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. 61494

Well Name & No. Crest Unit #1 Test No. #2 Date 6/30/15
 Company Palomira Petroleum Inc. Elevation 2957 KB 2952 GL
 Address 4924 SE 84th St. Newton, Ks 67114-8827
 Co. Rep / Geo. Andrew Stenzel Rig WW #10
 Location: Sec. 31 Twp. 20 Rge. 33 Co. Scott State Ks

Interval Tested 4430 4516 Zone Tested Pawnee, Ft Scott
 Anchor Length 86 Drill Pipe Run 4295' Mud Wt. 9.3
 Top Packer Depth 4425 Drill Collars Run 120' Vis 55
 Bottom Packer Depth 4430 Wt. Pipe Run WL 10.4
 Total Depth 4516 Chlorides 5000 ppm System LCM #2

Blow Description 1/4" w blow dead on 21 min
No return
No blow
No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>2'</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

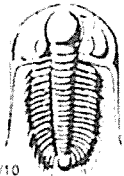
Rec Total 2' BHT 110° Gravity API RW @ F Chlorides ppm

(A) Initial Hydrostatic 2202 Test 1150 T-On Location 00:10
 (B) First Initial Flow 20 Jars 250 T-Started 00:30
 (C) First Final Flow 24 Safety Joint 75 T-Open 02:35
 (D) Initial Shut-In 125 Circ Sub w/c T-Pulled 04:35
 (E) Second Initial Flow 23 Hourly Standby T-Out 06:40
 (F) Second Final Flow 29 Mileage 47 RT 47 Comments
 (G) Final Shut-In 83 Sampler
 (H) Final Hydrostatic 2137 Straddle Ruined Shale Packer

Initial Open 30 Shale Packer Ruined Packer
 Initial Shut-In 36 Extra Packer Extra Copies
 Final Flow 36 Extra Recorder Sub Total 0
 Final Shut-In 30 Day Standby Total 1522
 Accessibility MP/DST Disc't
 Sub Total 1522

Approved By 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. 61495

Well Name & No. Cont Unit #1 Test No. #3 Date 7/1/15
 Company Falconer Petroleum Inc Elevation 2957 KB 2952 GL
 Address 4024 SE 84th St Newton, KS 67114-8827
 Co. Rep / Geo. Andrew Stanzel Rig WW#10
 Location: Sec. 31 Twp. 20 Rge. 33 Co. Scott State Ks

Interval Tested 4645 4675 Zone Tested Morrow Sand
 Anchor Length 30 Drill Pipe Run 4516' Mud Wt. 9.3
 Top Packer Depth 4640 Drill Collars Run 120' Vis 48
 Bottom Packer Depth 4645 Wt. Pipe Run — WL 10.4
 Total Depth 4675 Chlorides 5000 ppm System LCM #2

Blow Description Surface blow, died in 12 min
No return
No blow
No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>2'</u>	<u>4640</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

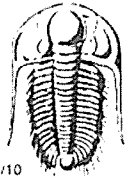
Rec Total 2' BHT 111° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2293 Test 1150 T-On Location 02:10
 (B) First Initial Flow 18 Jars 250 T-Started 02:25
 (C) First Final Flow 21 Safety Joint 75 T-Open 04:33
 (D) Initial Shut-In 30 Circ Sub N/C T-Pulled 06:33
 (E) Second Initial Flow 22 Hourly Standby — T-Out 08:25
 (F) Second Final Flow 22 Mileage 47 RT 47 Comments —
 (G) Final Shut-In 27 Sampler —
 (H) Final Hydrostatic 2249 Straddle —
 Ruined Shale Packer —

Initial Open 30 Shale Packer 250 Ruined Packer —
 Initial Shut-In 30 Extra Packer — Extra Copies —
 Final Flow 30 Extra Recorder — Sub Total 0
 Final Shut-In 30 Day Standby — Total 1772
 Accessibility — MP/DST Disc't —
 Sub Total 1772

Approved By _____ 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. 61498

Well Name & No. Crist Hart #1 Test No. #4 Date 7/1/15
 Company Galena Petroleum Inc Elevation 2957 KB 2952 GL
 Address 4924 SE 84th St, Newton, KS 67114-8827
 Co. Rep / Geo Andrew Stenzel Rig WW #10
 Location: Sec. 31 Twp. 20 Rge. 33 Co. Scott State Ks

Interval Tested 4645 4709 Zone Tested Lower Morrow Sand
 Anchor Length 64 Drill Pipe Run 4517 Mud Wt. 9.3
 Top Packer Depth 4640 Drill Collars Run 120' Vis 48
 Bottom Packer Depth 4645 Wt. Pipe Run WL 10.4
 Total Depth 4709 Chlorides 5000 ppm System LCM #2

Blow Description B.O.B. in 29 min
No return

B.O.B. in 12 min.
Return blow in 5 min built to 1" died back to a surface blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>590cm</u>	<u>5</u>	<u>25</u>	<u>70</u>	<u> </u>
<u>120</u>	<u>960cm</u>	<u>20</u>	<u>30</u>	<u>50</u>	<u> </u>
<u>100</u>	<u>9mco</u>	<u>25</u>	<u>55</u>	<u>20</u>	<u> </u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>(Gas in pipe? No order)</u>	%gas	%oil	%water	%mud

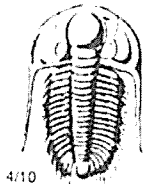
Rec Total 210 BFT 113" Gravity API RW @ F Chlorides ppm

(A) Initial Hydrostatic 2349 Test 1150 T-On Location 15:45
 (B) First Initial Flow 29 Jars 250 T-Started 16:25
 (C) First Final Flow 77 Safety Joint 75 T-Open 18:40
 (D) Initial Shut-In 980 Circ Sub N/C T-Pulled 20:40
 (E) Second Initial Flow 79 Hourly Standby T-Out 23:30
 (F) Second Final Flow 100 Mileage 42.5 47 Comments
 (G) Final Shut-In 920 Sampler
 (H) Final Hydrostatic 2257 Straddle Ruined Shale Packer
 Shale Packer 250 Ruined Packer 320

Initial Open 30 Extra Packer Extra Copies
 Initial Shut-In 30 Extra Recorder Sub Total 320
 Final Flow 30 Day Standby Total 2092
 Final Shut-In 30 Accessibility MP/DST Disc't
 Sub Total 1772

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. 61498

Well Name & No. Const Unit #1 Test No. #5 Date 7/3/15
 Company Palomares Petroleum Inc Elevation 2957 KB 2952 GL
 Address 4924 St Butler St, Newton, KS 67114-88
 Co. Rep / Geo. Andrew Stenzel Rig WW#10
 Location: Sec. 31 Twp. 20 Rge. 33 Co. Switt State Ks

Interval Tested 4500 4644 Zone Tested Johnson
 Anchor Length 144 Drill Pipe Run 4363 Mud Wt. 9.3
 Top Packer Depth 4495 4500 Drill Collars Run 120' Vis 48
 Bottom Packer Depth 4644 4649 Wt. Pipe Run --- WL 9.4
 Total Depth (321' Tail Pipe) 4865 Chlorides 6500 ppm System LCM #2
 Blow Description 1" air blow
No return
No blow
No return

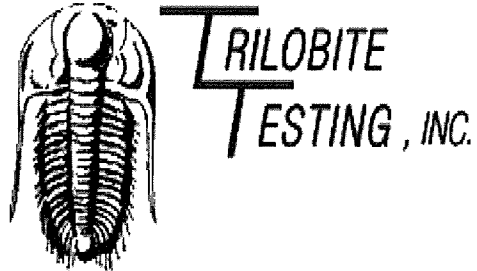
Rec	Feet of	%gas	%oil	%water	%mud
<u>100'</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 100' BHT 111' Gravity --- API RW --- @ --- F Chlorides --- ppm

(A) Initial Hydrostatic <u>2358</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>21:50</u>
(B) First Initial Flow <u>37</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>22:08</u>
(C) First Final Flow <u>55</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>00:15</u>
(D) Initial Shut-In <u>206</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>02:15</u>
(E) Second Initial Flow <u>58</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>04:35</u>
(F) Second Final Flow <u>64</u>	<input checked="" type="checkbox"/> Mileage <u>47RT</u> <u>47</u>	Comments
(G) Final Shut-In <u>117</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2234</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input checked="" type="checkbox"/> Ruined Shale Packer <u>350</u>
	<input checked="" type="checkbox"/> Shale Packer <u>X2</u> <u>500</u>	<input type="checkbox"/> Ruined Packer
	<input checked="" type="checkbox"/> Extra Packer <u>200</u>	<input type="checkbox"/> Extra Copies
Initial Open <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>350</u>
Initial Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>3172</u>
Final Flow <u>30</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
Final Shut-In <u>30</u>	Sub Total <u>2822</u>	

Approved By _____ Our Representative [Signature]

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DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th ST
Newton KS 67114

ATTN: Ryan Seib

B & F Ottley #1

31-13s-30w Gove,KS

Start Date: 2015.06.29 @ 01:09:15

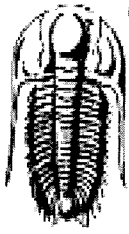
End Date: 2015.06.29 @ 06:47:00

Job Ticket #: 61433 DST #: 1

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

Printed: 2015.07.03 @ 09:26:20

Palomino Petroleum 31-13s-30w Gove,KS B & F Ottley #1 DST # 1 LKC H -1 2015.06.29



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84th ST
New ton KS 67114
ATTN: Ryan Seib

31-13s-30w Gove,KS
B & F Ottley #1
Job Ticket: 61433 **DST#: 1**
Test Start: 2015.06.29 @ 01:09:15

GENERAL INFORMATION:

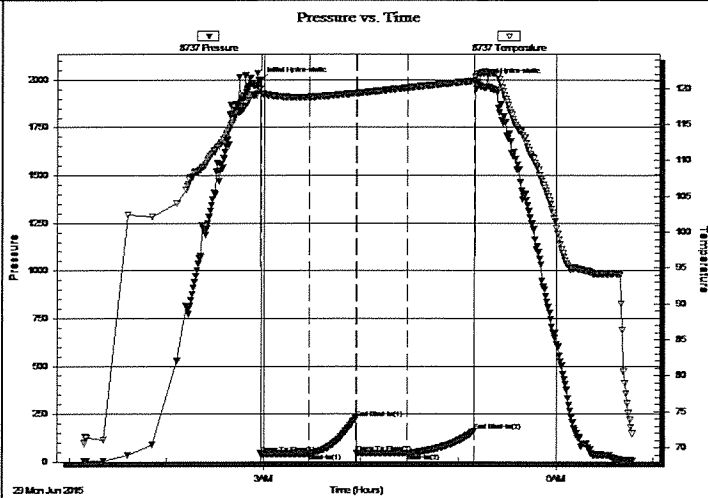
Formation: **LKC H-I**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:58:00
 Time Test Ended: 06:47:00
 Interval: **3985.00 ft (KB) To 4054.00 ft (KB) (TVD)**
 Total Depth: 4054.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 2788.00 ft (KB)
 2783.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8737

Outside

Press@RunDepth: 43.71 psig @ 3990.00 ft (KB)
 Capacity: 8000.00 psig
 Start Date: 2015.06.29 End Date: 2015.06.29
 Last Calib.: 2015.06.29
 Start Time: 01:09:15 End Time: 06:47:00
 Time On Btm: 2015.06.29 @ 02:57:45
 Time Off Btm: 2015.06.29 @ 05:10:00

TEST COMMENT: IF:Built to walk surface blow
 IS:No return blow
 FF:No blow
 FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1996.52	119.98	Initial Hydro-static
1	41.81	119.28	Open To Flow (1)
31	41.95	118.81	Shut-In(1)
59	227.92	119.34	End Shut-In(1)
60	44.03	119.32	Open To Flow (2)
91	43.71	120.08	Shut-In(2)
132	159.22	121.05	End Shut-In(2)
133	1986.67	121.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud w ith oil spots	0.01

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcfd)