



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1256665
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: _____



1256665

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
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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

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	Hanna 1
Doc ID	1256665

Tops

Name	Top	Datum
Anhy.	2410	(+530)
Base Anhy.	2431	(+509)
Heebner	3971	(-1031)
Toronto	3990	(-1050)
Lansing	4009	(-1069)
Muncie Creek	4163	(-1223)
Stark	4251	(-1311)
Hushpuckney	4287	(-1347)
BKC	4321	(-1381)
Marmaton	4353	(-1413)
Pawnee	4452	(-1512)
Ft. Scott	4509	(-1569)
Cherokee Sh.	4538	(-1598)
Mississippian	4643	(-1703)
LTD	4800	(-1860)



QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 6/3/2015
 Invoice # 945
 P.O.#:
 Due Date: 7/3/2015
 Division: Russell

RECEIVED
 JUN 08 2015

Invoice

Contact:
 Palomino Petroleum Inc
Address/Job Location:
 Palomino Petroleum Inc
 4924 SE 84th
 Newton Ks 67114

Reference:
 HANNA 1

Description of Work:
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 636.07	No				
Common-Class A	120	\$ 1,733.78	Yes				
Calcium Chloride	6	\$ 290.67	Yes				
POZ Mix-Standard	30	\$ 182.78	Yes				
Bulk Truck Matl-Material Service Charge	159	\$ 138.39	No				
Pump Truck Mileage-Job to Nearest Camp	25	\$ 119.68	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	25	\$ 76.16	No				
Premium Gel (Bentonite)	3	\$ 42.51	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 3,220.02
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (80.50)

SubTotal for Taxable Items: \$ 2,193.49
 SubTotal for Non-Taxable Items: \$ 946.03

7.90% Gove County Sales Tax

Total: \$ 3,139.52
 Tax: \$ 173.29
Amount Due: \$ 3,312.81
Applied Payments:
Balance Due: \$ 3,312.81

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 945

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6-3-15	14	14	31	Gove	KS		7:30 PM
				Location Gove 72W rd Rd 22 7S L Rd 2W S1/4			

Lease	Hanna	Well No.	#1	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	W W #8			Charge To	Palomino Petroleum
Type Job	Surface			Street	
Hole Size	12 1/4	T.D.	218'	City	State
Csg.	9 5/4	Depth	218	The above was done to satisfaction and supervision of owner agent or contractor.	
Tbg. Size		Depth		Cement Amount Ordered	150 #/10 3 1/10 cc 2 1/10 gal
Tool		Depth			
Cement Left in Csg.	18'	Shoe Joint			
Meas Line		Displace	12 3/4		

EQUIPMENT

Pumptrk	18	No.	Cementer Helper	Cody	Common	120
Bulktrk	9	No.	Driver	Glenn	Poz. Mix	30
Bulktrk	PU	No.	Driver	Brett	Gel.	3
			Driver		Calcium	6

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand

Cement

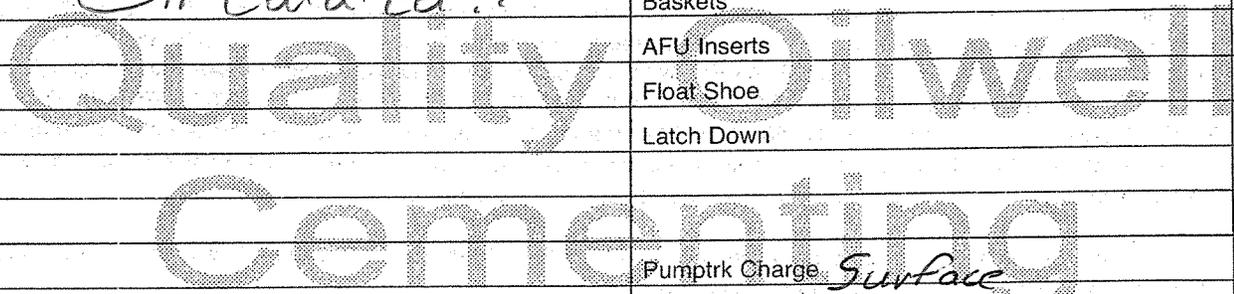
Circulated!!

FLOAT EQUIPMENT

Handling	159
Mileage	
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	Surface
Mileage	25

X Signature 

Tax
Discount
Total Charge





QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone:785-324-1041 fax:785-483-1087
 Email: cementing@ruraltel.net

Date: 6/11/2015
 Invoice # 949 **RECEIVED**
 P.O.#: **JUN 19 2015**
 Due Date: 7/11/2015
 Division: *Russell*

Invoice

Contact:
 Palomino Petroleum Inc
Address/Job Location:
 Palomino Petroleum Inc
 4924 SE 84th
 Newton Ks 67114

Reference:
 HANNA 1

Description of Work:
 PLUG JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 620.74	Yes				
Common-Class A	144	\$ 2,030.40	Yes				
POZ Mix-Standard	96	\$ 570.80	Yes				
Bulk Truck Matl-Material Service Charge	249	\$ 211.50	Yes				
Premium Gel (Bentonite)	9	\$ 124.45	Yes				
Pump Truck Mileage-Job to Nearest Camp	25	\$ 116.79	Yes				
Flo Seal	60	\$ 101.93	Yes				
Dry Hole Plug	1	\$ 47.57	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	5	\$ 14.86	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 3,839.04
Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (95.98)

SubTotal for Taxable Items: \$ 3,743.06
SubTotal for Non-Taxable Items: \$ -

7.90% Gove County Sales Tax

Total: \$ 3,743.06
Tax: \$ 295.70

Thank You For Your Business!

Amount Due: \$ 4,038.76
Applied Payments:
Balance Due: \$ 4,038.76

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 949

Date	6-11-15	Sec.	14	Twp.	14	Range	31	County	Gove	State	Ks	On Location		Finish	5:00 PM
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Location Gove 12 W 75 JW S into

Lease	Hanna	Well No.	#1	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	W W #10			Charge To	Palamino petroleum
Type Job	Plug	T.D.	48 15	Street	
Hole Size	7 7/8	Depth		City	State
Csg.	Drill Pipe	Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tbg. Size		Depth		Cement Amount Ordered	240 60/40 4% Gel 1/4 Flt
Tool		Depth			
Cement Left in Csg.		Shoe Joint			

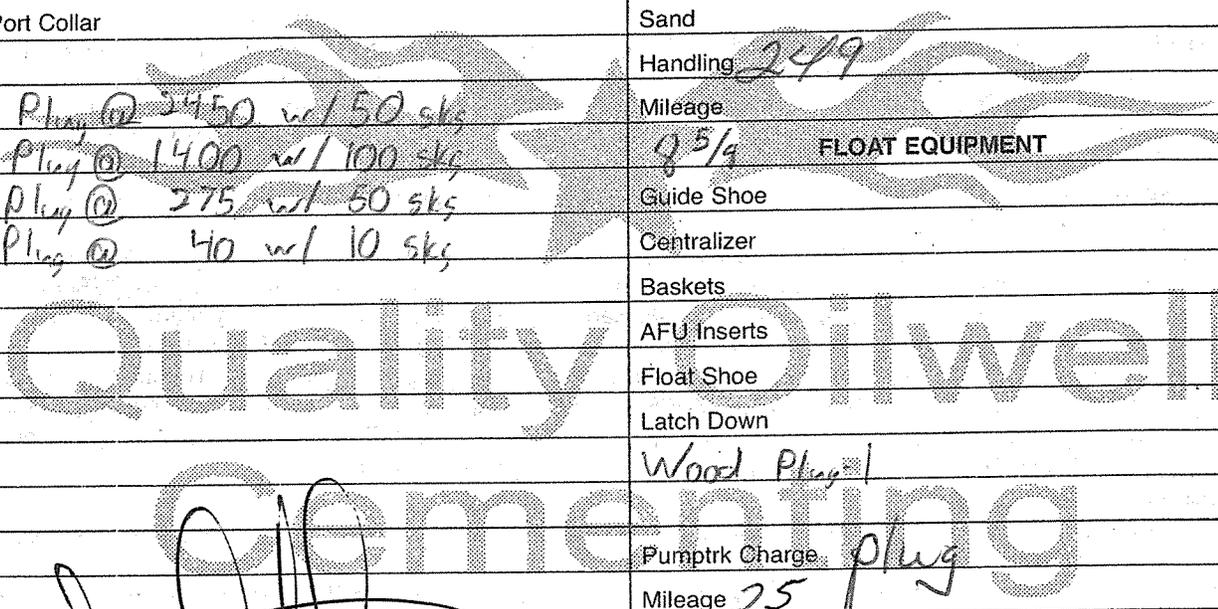
Meas Line	Displace			Common	144
EQUIPMENT				Poz. Mix	96
Pumptrk	5	No. Cementer Helper	Nick	Gel.	9
Bulktrk	15	No. Driver	Braun	Calcium	
Bulktrk	PU	No. Driver	Brett		

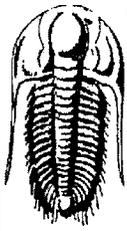
JOB SERVICES & REMARKS			Hulls	
Remarks:			Salt	
Rat Hole	- 30 _{ay}		Flowseal	60 FT
Mouse Hole			Kol-Seal	
Centralizers			Mud CLR 48	
Baskets			CFL-117 or CD110 CAF 38	
D/V or Port Collar			Sand	
			Handling	249

1st Plug @	2450 w/ 50 sks	Mileage	8 5/8	FLOAT EQUIPMENT
2nd Plug @	1400 w/ 100 sks	Guide Shoe		
3rd Plug @	275 w/ 60 sks	Centralizer		
4th Plug @	40 w/ 10 sks	Baskets		

		AFU Inserts	
		Float Shoe	
		Latch Down	
		Wood Plug	
		Pumptrk Charge	plug
		Mileage	25

X Signature		Tax	
		Discount	
		Total Charge	





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc
 4924 SE 84th St.
 Newton, Ks 67114
 ATTN: Ryan Seib

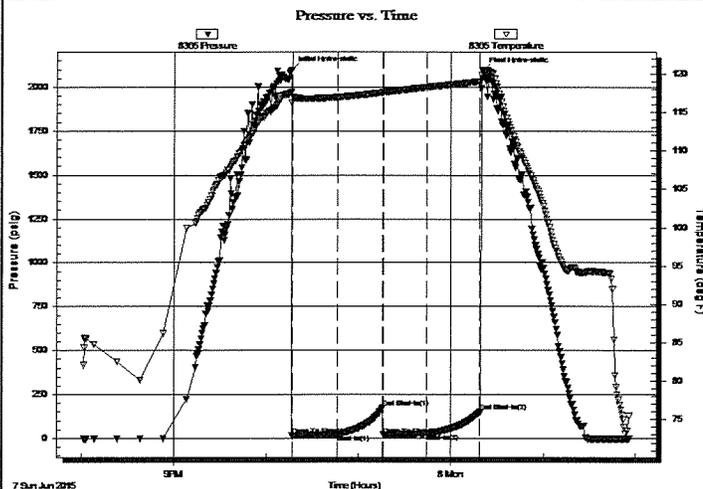
14 14s 3w Gove, Ks
Hanna #1
 Job Ticket: 57417 **DST#: 1**
 Test Start: 2015.06.07 @ 20:01:00

GENERAL INFORMATION:

Formation: **LKC I**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:16:30
 Time Test Ended: 01:56:00
 Interval: **4200.00 ft (KB) To 4232.00 ft (KB) (TVD)**
 Total Depth: 4032.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Bradley Walter
 Unit No: 69
 Reference Elevations: 2940.00 ft (KB)
 2935.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8365 **Inside**
 Press@RunDepth: 25.94 psig @ 4001.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.06.07 End Date: 2015.06.08 Last Calib.: 2015.06.08
 Start Time: 20:01:05 End Time: 01:55:59 Time On Btm: 2015.06.07 @ 22:16:15
 Time Off Btm: 2015.06.08 @ 00:21:00

TEST COMMENT: IF: 1" blow , receded to 1/2"
 IS: No return.
 FF: Surface blow .
 FSI: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2098.31	117.58	Initial Hydro-static
1	14.29	116.22	Open To Flow (1)
31	22.49	116.92	Shut-In(1)
60	172.01	117.53	End Shut-In(1)
60	18.33	117.61	Open To Flow (2)
89	25.94	118.22	Shut-In(2)
123	151.84	118.97	End Shut-In(2)
125	2090.29	120.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	ocm 25o 75m	0.15
0.00	30' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc

14 14s 3w Gove, Ks

4924 SE 84th St.
New ton, Ks 67114

Hanna #1

Job Ticket: 57417

DST#: 1

ATTN: Ryan Seib

Test Start: 2015.06.07 @ 20:01:00

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: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
30.00	ocm 25o 75m	0.148
0.00	30' GIP	0.000

Total Length: 30.00 ft

Total Volume: 0.148 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8365

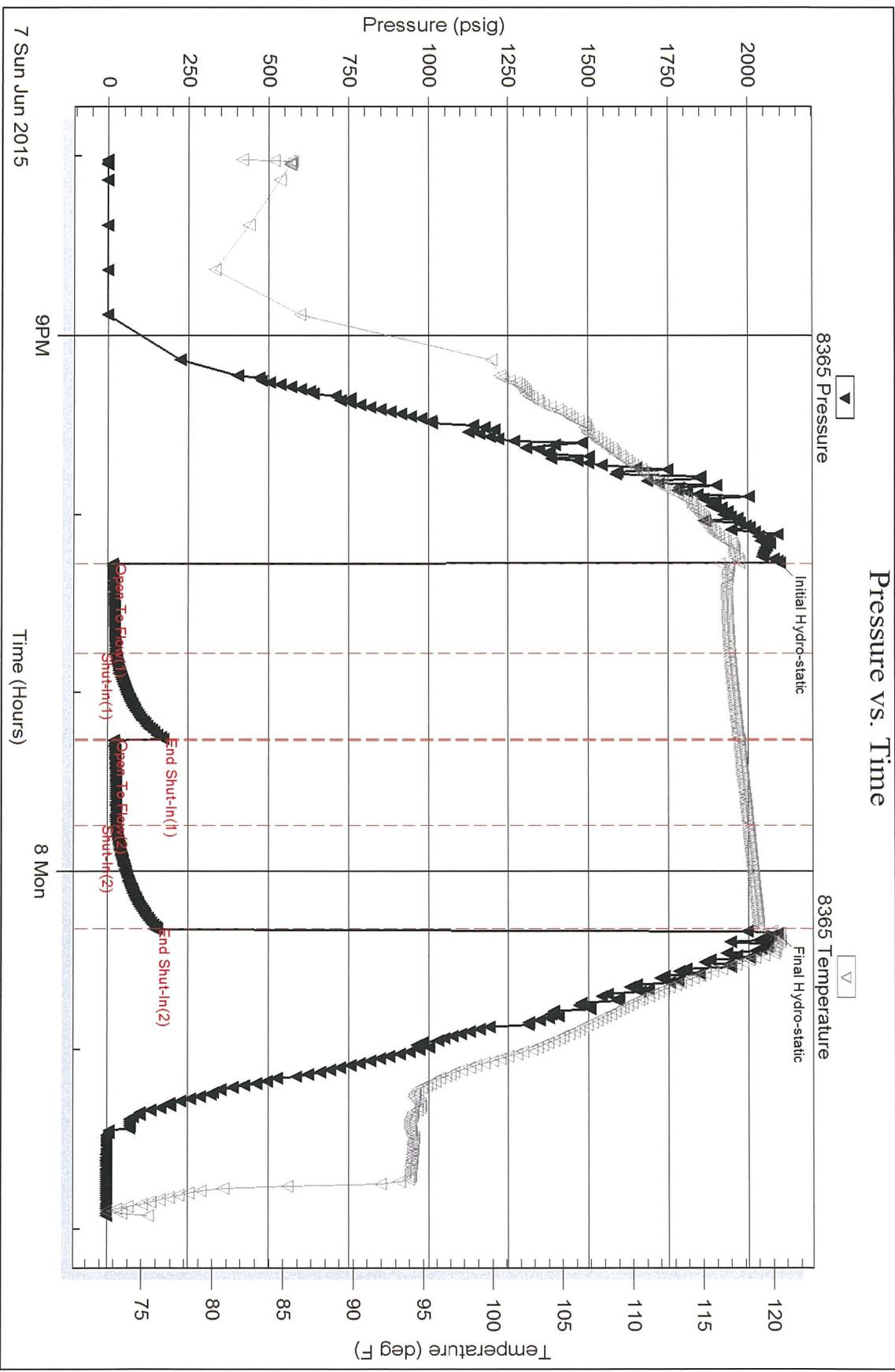
Inside

Palomino Petroleum, Inc

Hanna #1

DST Test Number: 1

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

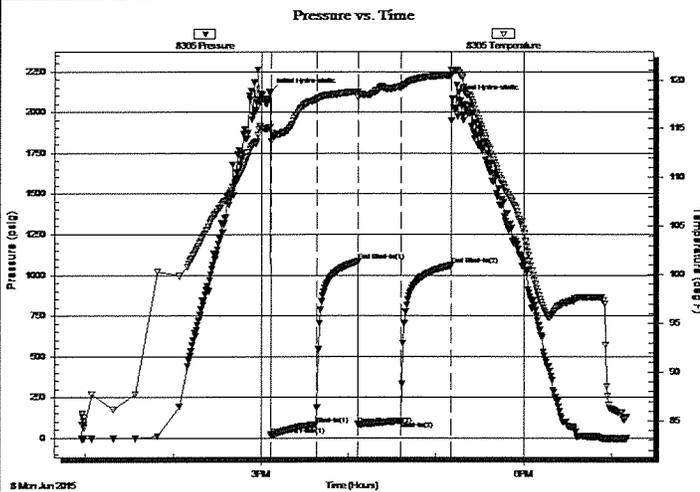
14 14s 3w Gove, Ks
Hanna #1
Job Ticket: 57418 **DST#: 2**
Test Start: 2015.06.08 @ 12:57:00

GENERAL INFORMATION:

Formation: **LKC J-L**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:06:45
Time Test Ended: 19:10:45
Test Type: Conventional Bottom Hole (Reset)
Tester: Bradley Walter
Unit No: 69
Interval: **4250.00 ft (KB) To 4339.00 ft (KB) (TVD)**
Reference Elevations: 2940.00 ft (KB)
Total Depth: 4339.00 ft (KB) (TVD) 2935.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8365 **Inside**
Press@RunDepth: 105.83 psig @ 4251.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.06.08 End Date: 2015.06.08 Last Calib.: 2015.06.08
Start Time: 12:57:05 End Time: 19:10:44 Time On Btm: 2015.06.08 @ 15:06:15
Time Off Btm: 2015.06.08 @ 17:11:45

TEST COMMENT: IF: 3 1/2" blow .
ISI: No return.
FF: 3" blow .
FSI: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2122.03	115.15	Initial Hydro-static
1	19.58	113.66	Open To Flow (1)
32	82.48	118.00	Shut-In(1)
61	1083.60	118.81	End Shut-In(1)
61	84.83	118.17	Open To Flow (2)
90	105.83	119.31	Shut-In(2)
125	1059.95	120.49	End Shut-In(2)
126	2082.62	120.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	w cm 30w 70m (Oil spots)	1.71

* 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, Inc
4924 SE 84th St.
New ton, Ks 67114
ATTN: Ryan Seib

14 14s 3w Gove, Ks
Hanna #1
Job Ticket: 57418 **DST#: 2**
Test Start: 2015.06.08 @ 12:57:00

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:	22000 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1600.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	w cm 30w 70m (Oil spots)	1.712

Total Length: 200.00 ft Total Volume: 1.712 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: rw is .320 @ 70f = 22,000ppm

Serial #: 8365

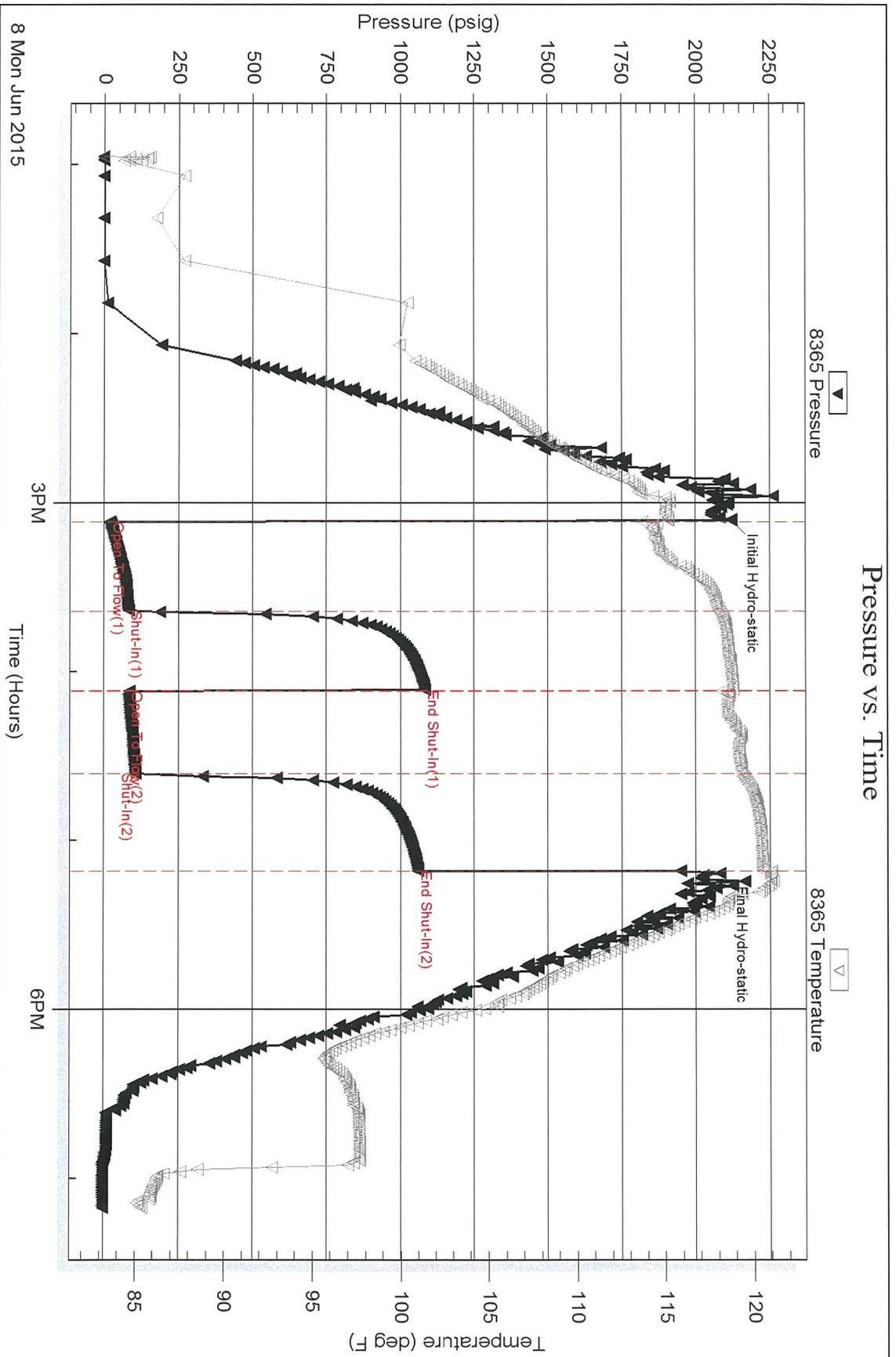
Inside

Palomino Petroleum, Inc

Hanna #1

DST Test Number: 2

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 57418

Printed: 2015.06.08 @ 22:55:26



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc
 4924 SE 84th St.
 Newton, Ks 67114
 ATTN: Ryan Seib

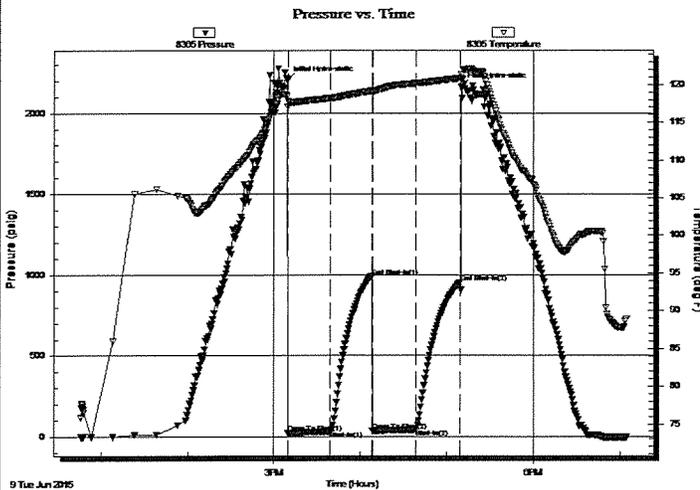
14 14s 3w Gove, Ks
Hanna #1
 Job Ticket: 57419 **DST#: 3**
 Test Start: 2015.06.09 @ 12:46:00

GENERAL INFORMATION:

Formation: **Marmaton - Ft. Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:09:30
 Time Test Ended: 19:04:45
 Interval: **4421.00 ft (KB) To 4550.00 ft (KB) (TVD)**
 Total Depth: 4550.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 69
 Reference Elevations: 2940.00 ft (KB)
 2935.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8365 Inside
 Press@RunDepth: 45.55 psig @ 4422.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.06.09 End Date: 2015.06.09 Last Calib.: 2015.06.09
 Start Time: 12:46:05 End Time: 19:04:44 Time On Btm: 2015.06.09 @ 15:09:15
 Time Off Btm: 2015.06.09 @ 17:10:15

TEST COMMENT: IF: Surface blow.
 IS: No return.
 FF: No blow.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2205.65	118.44	Initial Hydro-static
1	21.34	117.05	Open To Flow (1)
30	33.33	118.19	Shut-In(1)
59	988.58	119.16	End Shut-In(1)
59	35.86	118.94	Open To Flow (2)
90	45.55	120.19	Shut-In(2)
120	953.03	120.85	End Shut-In(2)
121	2162.18	121.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Mud 100m (oil specs in tool)	0.20

* 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, Inc

14 14s 3w Gove, Ks

4924 SE 84th St.
New ton, Ks 67114

Hanna #1

Job Ticket: 57419

DST#: 3

ATTN: Ryan Seib

Test Start: 2015.06.09 @ 12:46:00

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: 56.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
40.00	Mud 100m (oil specs in tool)	0.197

Total Length: 40.00 ft

Total Volume: 0.197 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

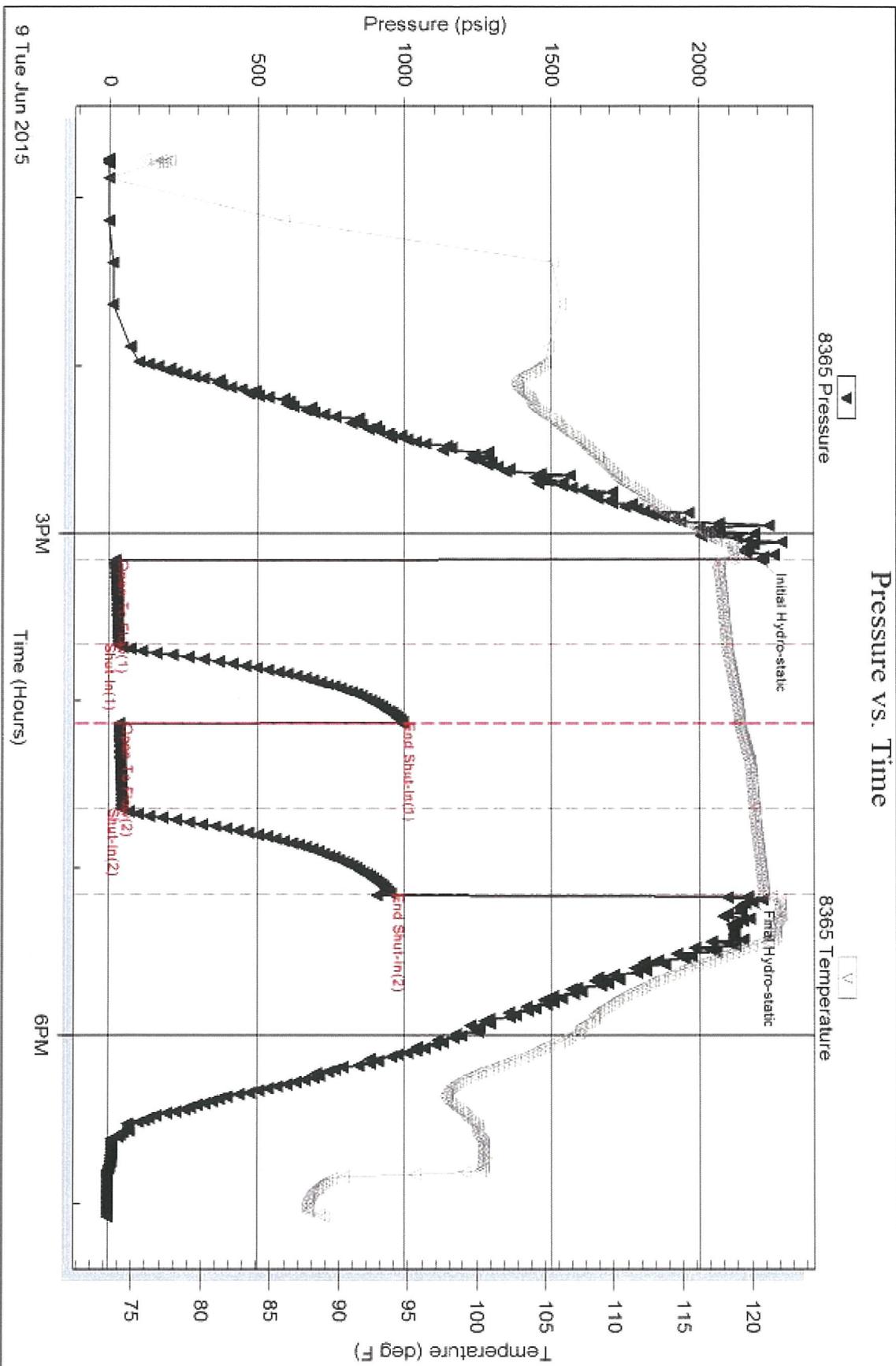
Serial #: 8365

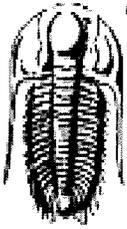
Inside

Palominio Petroleum, Inc

Hanna #1

DST Test Number: 3





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

14 14s 31w Gove, Ks
Hanna #1
Job Ticket: 57420 **DST#: 4**
Test Start: 2015.06.10 @ 04:16:00

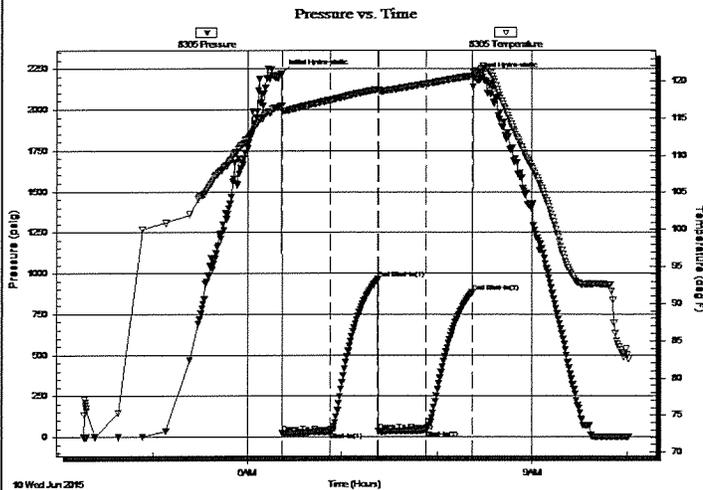
GENERAL INFORMATION:

Formation: **Johnson**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 06:22:15 Tester: Bradley Walter
Time Test Ended: 10:01:00 Unit No: 69

Interval: **4504.00 ft (KB) To 4610.00 ft (KB) (TVD)** Reference Elevations: 2940.00 ft (KB)
Total Depth: 4610.00 ft (KB) (TVD) 2935.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8365 **Inside**
Press@RunDepth: 39.87 psig @ 4505.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.06.10 End Date: 2015.06.10 Last Calib.: 2015.06.10
Start Time: 04:16:05 End Time: 10:00:59 Time On Btm: 2015.06.10 @ 06:21:45
Time Off Btm: 2015.06.10 @ 08:22:45

TEST COMMENT: IF: Surface blow.
IS: No return.
FF: No blow.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2220.86	116.62	Initial Hydro-static
1	22.68	115.93	Open To Flow (1)
31	31.49	117.42	Shut-In(1)
61	962.98	118.85	End Shut-In(1)
62	33.05	118.64	Open To Flow (2)
91	39.87	119.59	Shut-In(2)
121	883.38	120.68	End Shut-In(2)
121	2202.45	121.22	Final Hydro-static

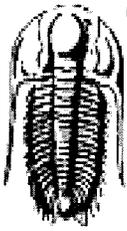
Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mud 100m (oil spots)	0.25

* 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, Inc
4924 SE 84th St.
New ton, Ks 67114
ATTN: Ryan Seib

14 14s 31w Gove, Ks
Hanna #1
Job Ticket: 57420 **DST#: 4**
Test Start: 2015.06.10 @ 04:16:00

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:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.20 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Mud 100m (oil spots)	0.246

Total Length: 50.00 ft Total Volume: 0.246 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

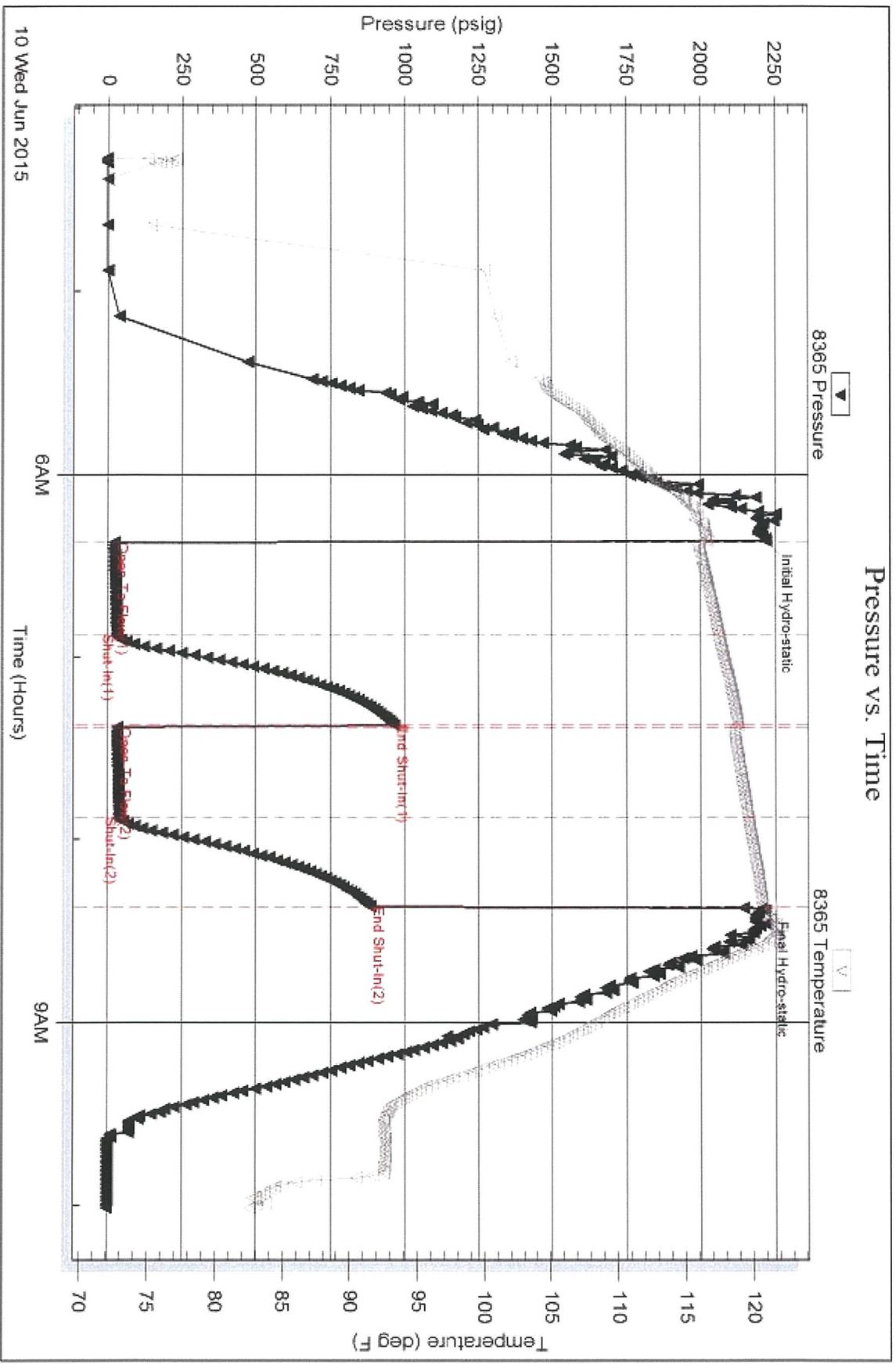
Serial #: 8365

Inside

Palominio Petroleum, Inc

Hanna #1

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 57420

Printed: 2015.06.10 @ 10:59:09