



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1174535
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: _____

1174535

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

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Kraus-Hinz 1
Doc ID	1174535

Tops

Name	Top	Datum
Anhy.	1900	(+ 647)
Base Anhy.	1938	(+ 609)
Heebner	3894	(-1347)
Lansing	3933	(-1386)
BKC	4228	(-1681)
Marmaton	4397	(-1750)
Pawnee	4353	(-1806)
Ft. Scott	4429	(-1882)
Cherokee Sh.	4457	(-1910)
Miss. Por.	4533	(-1986)
LTD	4652	(-2105)



RECEIVED
NOV 29 2013

INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 139949
Invoice Date: Nov 23, 2013
Page: 1

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

Bill To:
Palomino Petroleum, Inc. 4924 SE 84th St. Newton, KS 67114-8827

Customer ID	Field Ticket #	Payment Terms	
Palo	61064	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Nov 23, 2013	12/23/13

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Kraus-Hinz #1		
150.00	CEMENT MATERIALS	Class A Common	17.90	2,685.00
3.00	CEMENT MATERIALS	Gel	23.40	70.20
400.00	CEMENT MATERIALS	Chloride	0.80	320.00
162.09	CEMENT SERVICE	Cubic Feet	2.48	401.98
125.80	CEMENT SERVICE	Ton Mileage	2.60	327.08
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
17.00	CEMENT SERVICE	Pump Truck Mileage	7.70	130.90
17.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	74.80
1.00	CEMENT SUPERVISOR	Dustin Chambers		
1.00	EQUIPMENT OPERATOR	Mike Scothorn		

Subtotal	5,522.21
Sales Tax	189.12
Total Invoice Amount	5,711.33
Payment/Credit Applied	
TOTAL	5,711.33

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

\$ 1,104.44

ONLY IF PAID ON OR BEFORE
Dec 18, 2013



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 140165

Invoice Date: Dec 1, 2013

Page: 1

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

Bill To:
Palomino Petroleum, Inc. 4924 SE 84th St. Newton, KS 67114-8827

Customer ID	Field Ticket #	Payment Terms	
Palo	61069	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Great Bend	Dec 1, 2013	12/31/13

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Kraus-Hiaz #1		
180.00	CEMENT MATERIALS	Class A Common	17.90	3,222.00
120.00	CEMENT MATERIALS	Pozmix	9.35	1,122.00
10.00	CEMENT MATERIALS	Gel	23.40	234.00
75.00	CEMENT MATERIALS	Flo Seal	2.97	222.75
322.19	CEMENT SERVICE	Cubic Feet Charge	2.48	799.03
188.30	CEMENT SERVICE	Ton Mileage Charge	2.60	489.58
1.00	CEMENT SERVICE	Rotary Plug	1,512.25	1,512.25
14.00	CEMENT SERVICE	Pump Truck Mileage	7.70	107.80
14.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	61.60
1.00	CEMENT SUPERVISOR	Dustin Chambers		
1.00	EQUIPMENT OPERATOR	Mike Scothorn		

Subtotal	7,771.01
Sales Tax	477.92
Total Invoice Amount	8,248.93
Payment/Credit Applied	
TOTAL	8,248.93

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

\$ 1,554.20

ONLY IF PAID ON OR BEFORE
Dec 26, 2013

ALLIED OIL & GAS SERVICES, LLC 061069

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Garrett Bend, KS

DATE <u>12-1-13</u>	SEC. <u>29</u>	TWP. <u>16S</u>	RANGE <u>24W</u>	CALLED OUT	ON LOCATION	JOB START <u>9:00 AM</u>	JOB FINISH <u>10:00 AM</u>
LEASE <u>Krons - H1A2</u>	WELL # <u>1</u>		LOCATION <u>Ransom Wyo Riv Sinto</u>			COUNTY <u>Wess</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)							

CONTRACTOR Maverick Drilling & Log OWNER _____

TYPE OF JOB Rotary Plug

HOLE SIZE _____ T.D. _____ CEMENT _____

CASING SIZE 5 1/2 DEPTH _____ AMOUNT ORDERED 300 lbs 60# Class A

TUBING SIZE _____ DEPTH _____ 40# 202 44 gal 16 lbs

DRILL PIPE 4 1/2 DEPTH 1950

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____ COMMON 180 @ 17.90 3,222.00

MEAS. LINE _____ SHOE JOINT _____ POZMIX 120 @ 9.35 1,122.00

CEMENT LEFT IN CSG. A11 GEL 10 @ 23.40 234.00

PERFS. _____ CHLORIDE _____ @ _____

DISPLACEMENT Freshwater / Native mud ASC _____ @ _____

EQUIPMENT _____ 310 Seal 75 @ 2.97 222.75

PUMP TRUCK CEMENTER Dustin Chambers

3945 HELPER Mike Scottorn

BULK TRUCK _____ @ _____

571-112 DRIVER Alex Ochum

BULK TRUCK _____ @ _____

_____ DRIVER _____

HANDLING 322. @ 2.48 799.56

MILBAGE 13.45 x 14 x 2.60 489.58

TOTAL 6,089.98

REMARKS:

- Fill hole with Rig mud
- 1. 1900 - 50 lbs
- 2. 1150 - 50 lbs
- 3. 650 - 50 lbs
- 4. 250 - 50 lbs
- 5. 60 - 70 lbs
- 6. R4 - 70 lbs
- 7. MH - 70 lbs plug down 9:00 AM

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE 1512.35

EXTRA FOOTAGE @ _____

MILEAGE Hum 14 @ 7.70 107.80

MANIFOLD _____ @ _____

Hum 14 @ 4.40 61.60

TOTAL 1,681.65

CHARGE TO: Palatin Petroleum

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____

TOTAL CHARGES 7,771.63

DISCOUNT 1,554.20

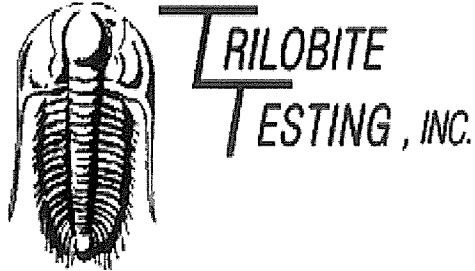
IF PAID IN 30 DAYS

6,216.82

PRINTED NAME X [Signature]

SIGNATURE X Jeremy Spudis

Thank You!!



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton KS 67114+8827

ATTN: Ryan Seib

Kraus-Hinz #1

29-16s-24w Ness,KS

Start Date: 2013.11.29 @ 05:35:01

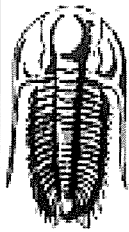
End Date: 2013.11.29 @ 14:04:30

Job Ticket #: 54346 DST #: 1

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

Printed: 2013.12.03 @ 15:03:26

Palomino Petroleum
29-16s-24w Ness,KS
Kraus-Hinz #1
DST # 1
Miss
2013.11.29



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84th St
New ton KS 67114+8827
ATTN: Ryan Seib

29-16s-24w Ness,KS
Kraus-Hinz #1
Job Ticket: 54346 **DST#: 1**
Test Start: 2013.11.29 @ 05:35:01

GENERAL INFORMATION:

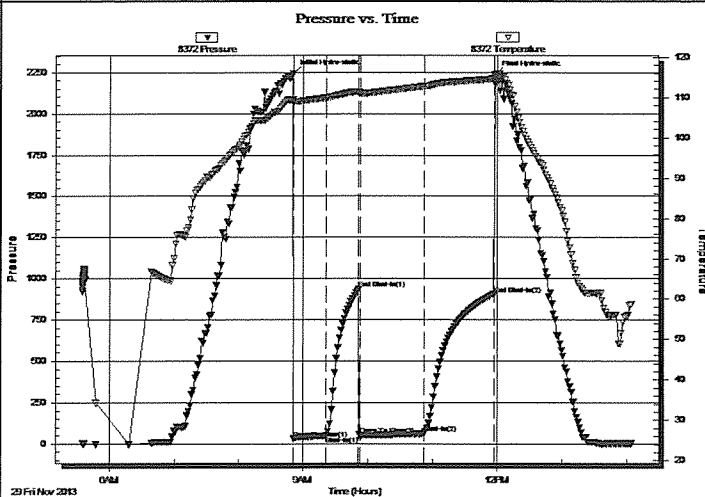
Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:51:00
Time Test Ended: 14:04:30
Interval: **4452.00 ft (KB) To 4542.00 ft (KB) (TVD)**
Total Depth: 4542.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole (Initial)
Tester: Andy Carreira
Unit No: 68
Reference Elevations: 2539.00 ft (KB)
2531.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8372

Inside

Press@RunDepth: 61.70 psig @ 4459.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.11.29 End Date: 2013.11.29 Last Calib.: 2013.11.29
Start Time: 05:35:01 End Time: 14:04:30 Time On Btm: 2013.11.29 @ 08:50:30
Time Off Btm: 2013.11.29 @ 11:57:30

TEST COMMENT: IF:(30min) 3" blow in 12 min. 5" in 27 min. Built to 5 1/4"
ISl:(30min) No Return
FF:(60min) 3" blow in 13 min. 5" in 32 min. Built to 7"
FSl:(60min) No Return



PRESSURE SUMMARY

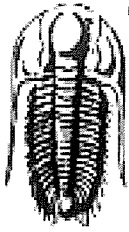
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2243.63	109.51	Initial Hydro-static
1	31.11	108.77	Open To Flow (1)
31	47.98	109.89	Shut-In(1)
61	936.44	111.42	End Shut-In(1)
63	50.36	111.15	Open To Flow (2)
122	61.70	112.74	Shut-In(2)
186	905.32	114.60	End Shut-In(2)
187	2236.11	115.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
95.00	HOCGM g=5% o=35% m=60%	1.06
5.00	CGO g=10% o=90%	0.07
0.00	GIP = 100 ft	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum
4924 SE 84th St
New ton KS 67114+8827
ATTN: Ryan Seib

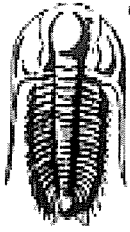
29-16s-24w Ness,KS
Kraus-Hinz #1
Job Ticket: 54346 **DST#: 1**
Test Start: 2013.11.29 @ 05:35:01

Tool Information

Drill Pipe:	Length: 4414.00 ft	Diameter: 3.80 inches	Volume: 61.92 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 62.07 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4452.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.00 ft			
Tool Length:	118.00 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			4425.00	
Shut In Tool	5.00			4430.00	
Hydraulic tool	5.00			4435.00	
Jars	5.00			4440.00	
Safety Joint	3.00			4443.00	
Packer	5.00			4448.00	28.00 Bottom Of Top Packer
Packer	4.00			4452.00	
Stubb	1.00			4453.00	
Perforations	5.00			4458.00	
Change Over Sub	1.00			4459.00	
Recorder	0.00	8372	Inside	4459.00	
Recorder	0.00	8321	Outside	4459.00	
Drill Pipe	63.00			4522.00	
Change Over Sub	1.00			4523.00	
Perforations	16.00			4539.00	
Bullnose	3.00			4542.00	90.00 Bottom Packers & Anchor
Total Tool Length:	118.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th St
New ton KS 67114+8827
ATTN: Ryan Seib

29-16s-24w Ness,KS
Kraus-Hinz #1
Job Ticket: 54346 **DST#: 1**
Test Start: 2013.11.29 @ 05:35:01

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5400.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	HOCGM g=5% o=35% m=60%	1.059
5.00	CGO g=10% o=90%	0.070
0.00	GIP = 100 ft	0.000

Total Length: 100.00 ft Total Volume: 1.129 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8372

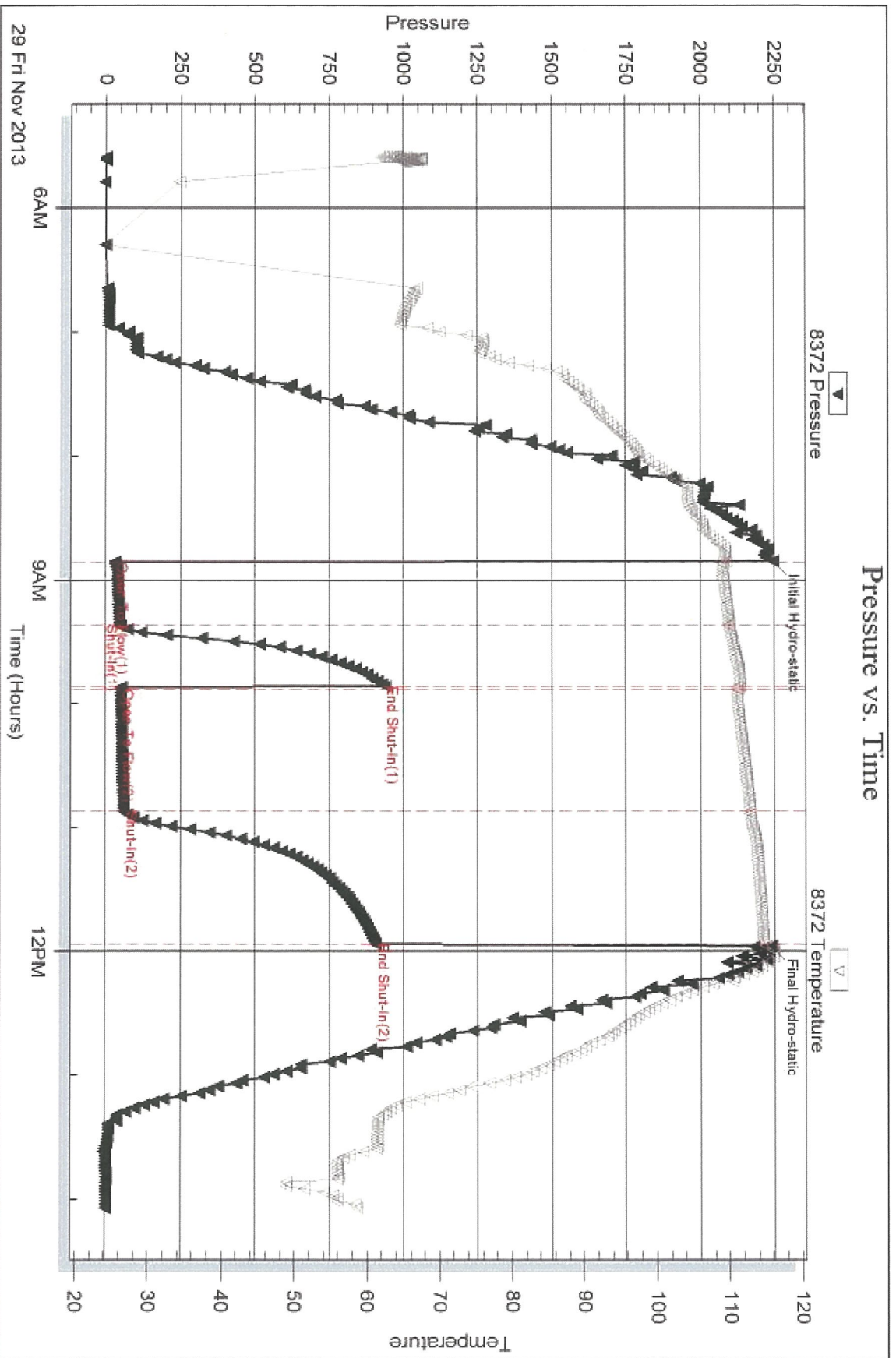
Inside

Palominio Petroleum

Kraus-Hinz #1

DST Test Number: 1

Pressure vs. Time



Tribble Testing, Inc

Ref. No: 54346

Printed: 2013.12.03 @ 15:03:29

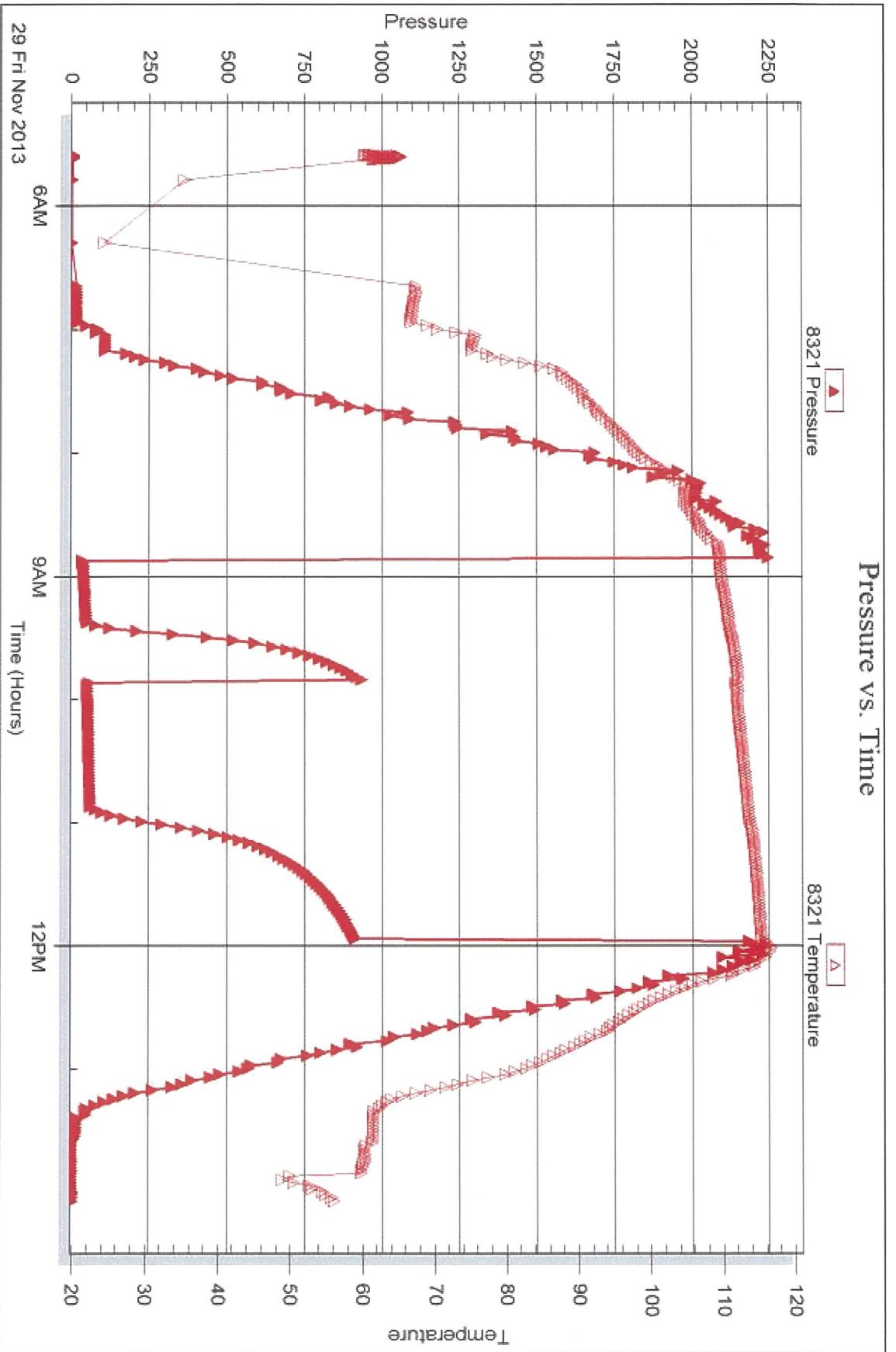
Serial #: 8321

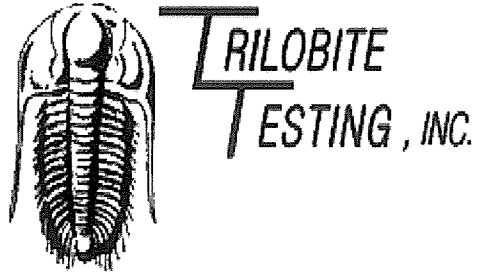
Outside

Palomino Petroleum

Kraus-Hinz #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton KS 67114+8827

ATTN: Ryan Seib

Kraus-Hinz #1

29-16s-24w Ness,KS

Start Date: 2013.11.29 @ 21:08:01

End Date: 2013.11.30 @ 05:11:00

Job Ticket #: 54347 DST #: 2

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

Printed: 2013.12.03 @ 15:01:47

Palomino Petroleum

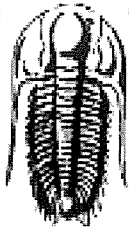
29-16s-24w Ness,KS

Kraus-Hinz #1

DST # 2

Miss

2013.11.29



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84th St
New ton KS 67114+8827
ATTN: Ryan Seib

29-16s-24w Ness,KS
Kraus-Hinz #1
Job Ticket: 54347 **DST#: 2**
Test Start: 2013.11.29 @ 21:08:01

GENERAL INFORMATION:

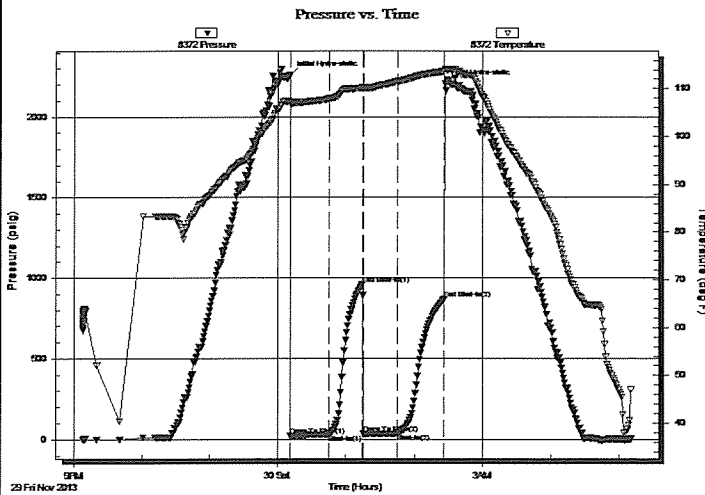
Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:11:30
Time Test Ended: 05:11:00
Interval: **4541.00 ft (KB) To 4552.00 ft (KB) (TVD)**
Total Depth: 4552.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole (Reset)
Tester: Andy Carreira
Unit No: 68
Reference Elevations: 2539.00 ft (KB)
2531.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8372

Inside

Press@RunDepth: 35.90 psig @ 4542.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.11.29 End Date: 2013.11.30 Last Calib.: 2013.11.30
Start Time: 21:08:01 End Time: 05:11:00 Time On Btm: 2013.11.30 @ 00:11:00
Time Off Btm: 2013.11.30 @ 02:26:30

TEST COMMENT: IF:(30min) 1" blow in 7 min. Built to 1 1/2"
ISl:(30min) No Return
FF:(30min) Blow built to 1/2"
FSl:(30min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2261.68	107.30	Initial Hydro-static
1	21.25	106.78	Open To Flow (1)
34	31.30	107.94	Shut-In(1)
63	959.71	110.16	End Shut-In(1)
64	32.87	109.97	Open To Flow (2)
94	35.90	111.53	Shut-In(2)
135	868.61	113.66	End Shut-In(2)
136	2203.34	114.14	Final Hydro-static

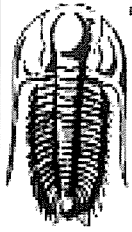
Recovery

Length (ft)	Description	Volume (bbl)
8.00	OCM o=20% m=80%	0.04
2.00	CO o=100%	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
4924 SE 84th St
New ton KS 67114+8827
ATTN: Ryan Seib

29-16s-24w Ness,KS
Kraus-Hinz #1
Job Ticket: 54347 **DST#: 2**
Test Start: 2013.11.29 @ 21:08:01

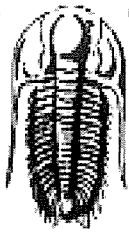
Tool Information

Drill Pipe:	Length: 4507.00 ft	Diameter: 3.80 inches	Volume: 63.22 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 63.37 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4541.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	39.00 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			4514.00	
Shut In Tool	5.00			4519.00	
Hydraulic tool	5.00			4524.00	
Jars	5.00			4529.00	
Safety Joint	3.00			4532.00	
Packer	5.00			4537.00	28.00 Bottom Of Top Packer
Packer	4.00			4541.00	
Stubb	1.00			4542.00	
Recorder	0.00	8372	Inside	4542.00	
Recorder	0.00	8321	Outside	4542.00	
Perforations	7.00			4549.00	
Bullnose	3.00			4552.00	11.00 Bottom Packers & Anchor

Total Tool Length: 39.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th St
New ton KS 67114+8827
ATTN: Ryan Seib

29-16s-24w Ness,KS
Kraus-Hinz #1
Job Ticket: 54347 **DST#: 2**
Test Start: 2013.11.29 @ 21:08:01

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3400.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
8.00	OCM $\alpha=20\%$ $m=80\%$	0.039
2.00	CO $\alpha=100\%$	0.010

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

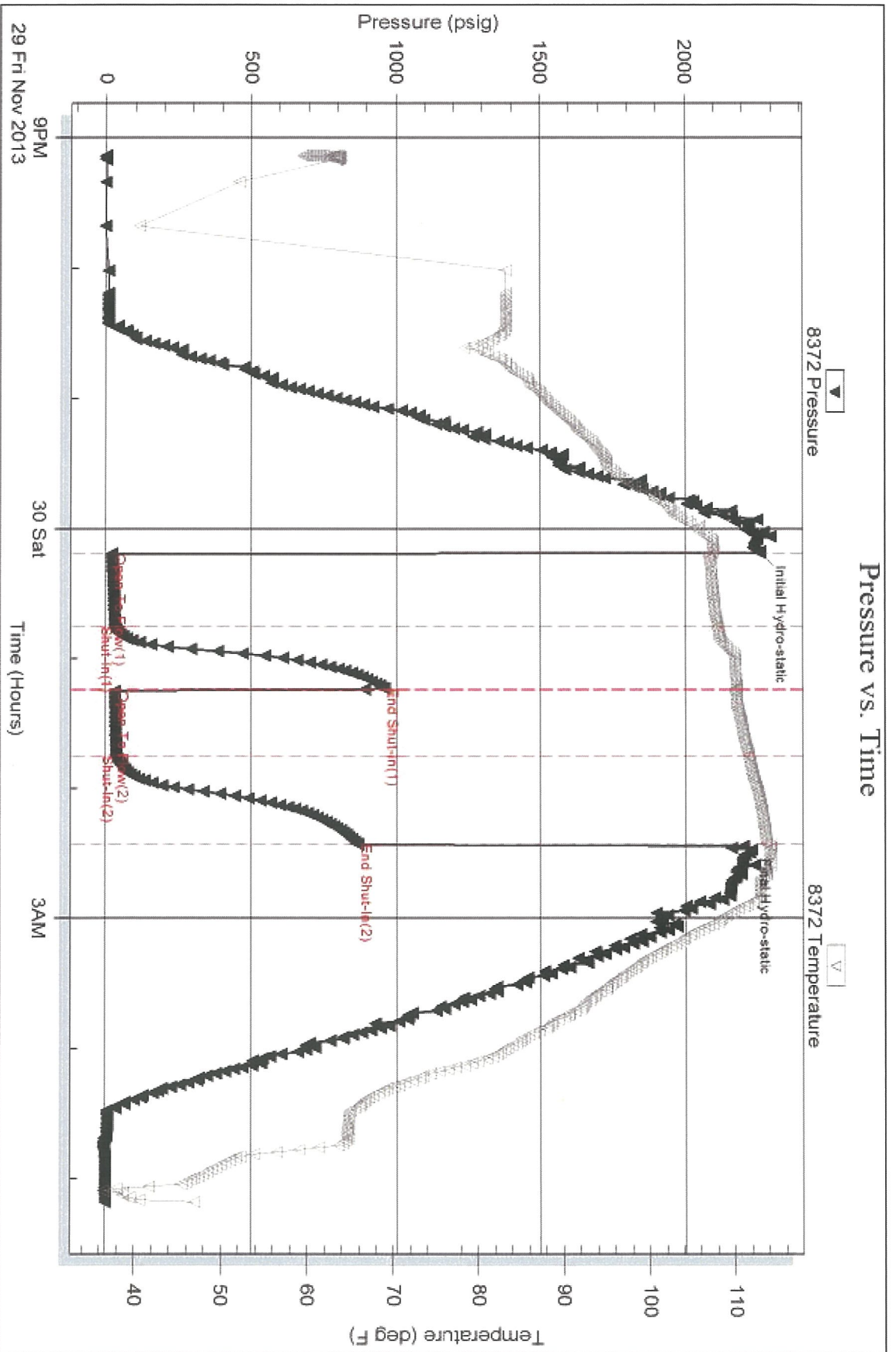
Serial #: 8372

Inside

Palomino Petroleum

Kraus-Hnz #1

DST Test Number: 2

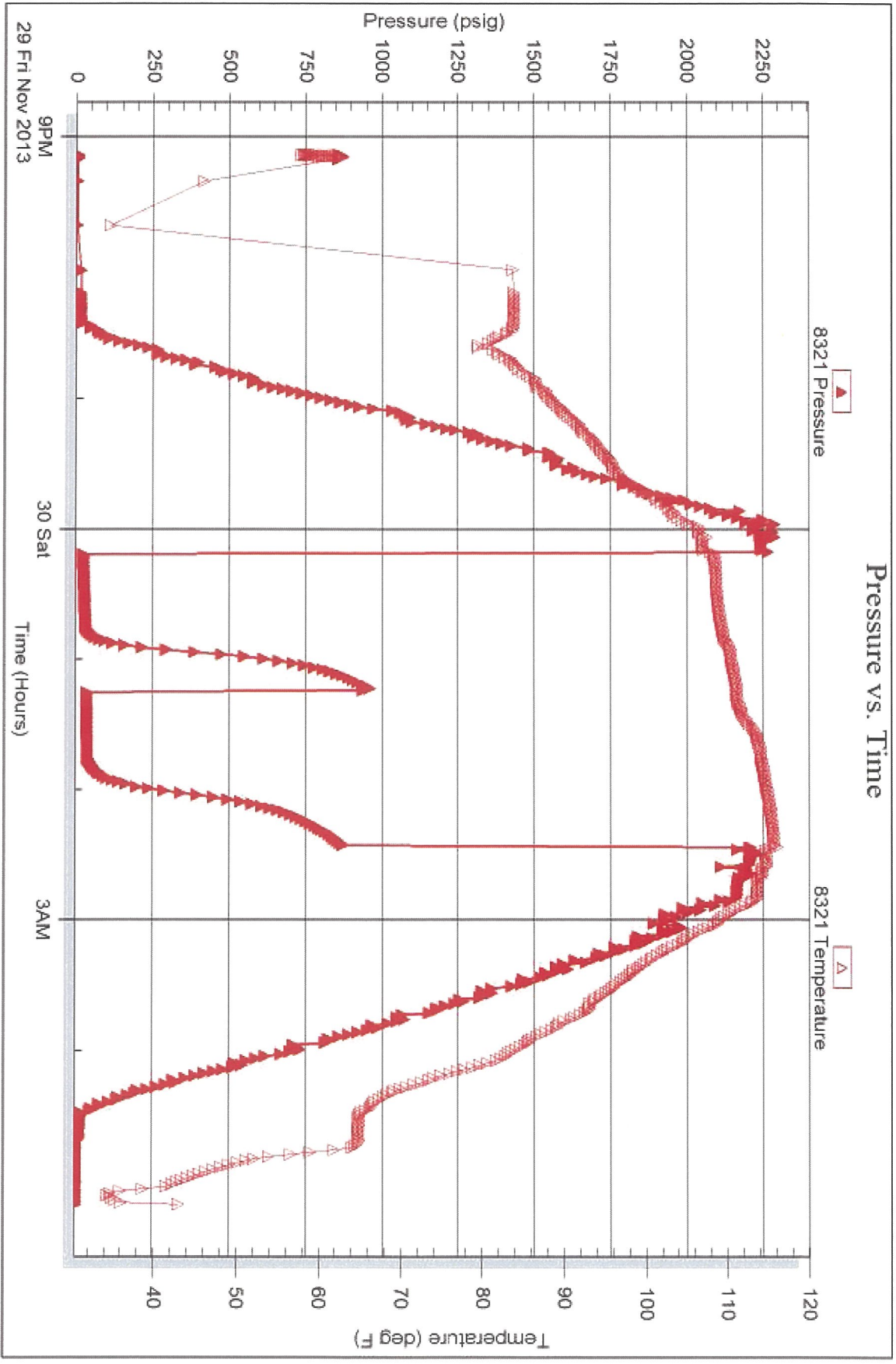


Serial #: 8321

Outside Palomino Petroleum

Kraus-Hinz #1

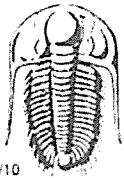
DST Test Number: 2



Tribble Testing, Inc

Ref. No: 54347

Printed: 2013, 12:03 @ 15:01:50



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54346

4/10

Well Name & No. Kaus-Hinz #1 Test No. 1 Date 11-29-13
 Company PALOMINO Petroleum Elevation 2539 KB 2531 GL
 Address 4924 SE 84th St. Newton Ks. 67114+8827
 Co. Rep / Geo. RYAN Seib Rig Maverick #108
 Location: Sec. 29 Twp. 16S Rge. 24W Co. NESS State Ks

Interval Tested 4452 - 4542 Zone Tested MISS
 Anchor Length 90' Drill Pipe Run 4414 Mud Wt. 9.3
 Top Packer Depth 4437 Drill Collars Run 30 Vis 58
 Bottom Packer Depth 4452 Wt. Pipe Run — WL 7.2
 Total Depth 4542 Chlorides 5400 ppm System LCM 2 #s

Blow Description IF: 3" blow in 12min. 5" in 27min. Built to 5 1/4"
ISI: NO RETURN
FP: 3" blow in 13min. 5" in 32min. Built to 7"
FSI: NO RETURN

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>CGO</u>	<u>10</u>	<u>90</u>		
<u>95</u>	<u>HOCGM</u>	<u>5</u>	<u>35</u>		<u>60</u>

Rec Total 100' BHT — Gravity 38 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2243 Test 1250 T-On Location 03:06
 (B) First Initial Flow 31 Jars 250 T-Started 05:35
 (C) First Final Flow 47 Safety Joint 75 T-Open 08:52
 (D) Initial Shut-In 936 Circ Sub — T-Pulled 11:52
 (E) Second Initial Flow 50 Hourly Standby — T-Out 14:05
 (F) Second Final Flow 61 Mileage 142RT 116rt 179.80 Comments —
 (G) Final Shut-In 905 Sampler —
 (H) Final Hydrostatic 2236 Straddle —
 Shale Packer — Ruined Shale Packer —
 Extra Packer — Ruined Packer —
 Extra Recorder — Extra Copies —

Initial Open 30
 Initial Shut-In 30
 Final Flow 60
 Final Shut-In 60
 Day Standby —
 Accessibility —
 Sub Total 1754.80
 Total 1754.80
 MP/DST Disc't —

Approved By _____ Our Representative Randy Cox

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. 54347

Well Name & No. KRAUS - HINZ #1 Test No. 2 Date 11-29-13
 Company Palomino Petroleum Elevation 2539 KB 2531 GL
 Address 4924 SE 84th St Newton Ks. 67114 + 8827
 Co. Rep / Geo. RYAN Seib Rig MAVERICK #108
 Location: Sec. 29 Twp. 16S Rge. 24W Co. Ness State Ks

Interval Tested 4541-4552 Zone Tested MISS
 Anchor Length 11' Drill Pipe Run 4507 Mud Wt. 9.45
 Top Packer Depth 4536 Drill Collars Run 30. Vis 52
 Bottom Packer Depth 4541 Wt. Pipe Run 0 WL 6.8
 Total Depth 4552 Chlorides 3400 ppm System LCM 1.5 #s

Blow Description FP: 1" blow in 7 min. Built to 1 1/2"
BSF: NO RETURN
FP: ~~1" blow~~ Blow built to ~~1 1/2"~~ 1/2"
FST: NO RETURN

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>Feet of 0 CO</u>	<u>100</u>			
<u>8</u>	<u>Feet of OCM</u>	<u>20</u>		<u>80</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10' BHT 113° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2261 Test 1250 T-On Location 19:50
 (B) First Initial Flow 21 Jars 250 T-Started 21:08
 (C) First Final Flow 31 Safety Joint 75 T-Open 00:12
 (D) Initial Shut-In 959 Circ Sub _____ T-Pulled 02:12
 (E) Second Initial Flow 32 Hourly Standby _____ T-Out 05:12
 (F) Second Final Flow 35 Mileage 142RT 179.80 Comments _____
 (G) Final Shut-In 868 Sampler _____
 (H) Final Hydrostatic 2203 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____

Initial Open 30 Extra Packer _____
 Initial Shut-In 30 Extra Recorder _____
 Final Flow 30 Day Standby _____
 Final Shut-In 30 Accessibility _____
 Sub Total 1754.80 MP/DST Disc't _____

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.