



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1253595
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: _____



1253595

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: 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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Hagerman 1
Doc ID	1253595

Tops

Name	Top	Datum
Anhy.	1330	(+857)
Base Anhy.	1365	(+822)
Heebner	3690	(-1503)
Toronto	3710	(-1523)
Douglas Sh.	3720	(-1533)
Lansing	3738	(-1551)
Ft. Scott	4151	(-1967)
Cherokee Sd.	4192	(-2005)
LTD	4369	(-2182)



PO Box 93999
Southlake, TX 76092

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

INVOICE

Invoice Number: 148775
Invoice Date: Mar 4, 2015
Page: 1

Federal Tax I.D.#: 20-8651475

RECEIVED
MAR 20 2015

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

Customer ID	Field Ticket #	Payment Terms	
Palo	65208	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Great Bend	Mar 4, 2015	4/3/15

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Hagerman #1		
150.00	CEMENT MATERIALS	60/40/4% Gel Blend	18.92	2,838.00
38.00	CEMENT MATERIALS	Flo Seal	2.97	112.86
161.13	CEMENT SERVICE	Cubic Feet Charge	2.48	399.60
201.90	CEMENT SERVICE	Ton Mileage Charge	2.75	555.23
1.00	CEMENT SERVICE	Rotary Plug	1,512.25	1,512.25
30.00	CEMENT SERVICE	Pump Truck Mileage	7.70	231.00
30.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	132.00
1.00	EQUIPMENT SALES	8-5/8 Wooden Plug	110.00	110.00
1.00	EQUIPMENT OPERATOR	Dustin Chambers		
1.00	CEMENT SUPERVISOR	Kevin Eddy		
1.00	EQUIPMENT OPERATOR	Ben Newell		

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

\$ 2,061.83

ONLY IF PAID ON OR BEFORE
Apr 3, 2015

Subtotal	5,890.94
Sales Tax	480.11
Total Invoice Amount	6,371.05
Payment/Credit Applied	
TOTAL	6,371.05

ALLIE OIL & GAS SERVICE, LLC 065208

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: 61 no Bend / KS

DATE <u>3-4-15</u>	SEC. <u>14</u>	TWP. <u>20S</u>	RANGE <u>19W</u>	CALLED OUT	ON LOCATION <u>6:20 AM</u>	JOB START	JOB FINISH
LEASE <u>Hesperman</u>	WELL # <u>1</u>	LOCATION <u>Rush Center 12S 4W</u>		COUNTY <u>Polk</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one)		<u>1/2 S Wind</u>					

CONTRACTOR Yuh Drilling
 TYPE OF JOB Rushy Plug
 HOLE SIZE 17 1/2" T.D.
 CASING SIZE 5 7/8" DEPTH
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2" DEPTH 1370
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 611
 PERFS.
 DISPLACEMENT Fresh water

OWNER
 CEMENT AMOUNT ORDERED 150 SKS 61055A
40 x 1002 441 gal 1 1/4 Flt
 COMMON @
 POZMIX @
 GEL @
 CHLORIDE @
 ASC @
150 SK 60/40 4% @ 18.92 2,838.00
Flt @ 3.97 112.86
 @ 2,950.86
 @ 35% 1,032.80
 @
 @
 HANDLING 161.13 @ 2.48 399.60
 MILEAGE 6.73 X 30% 2.75 555.23
 TOTAL

EQUIPMENT
 PUMP TRUCK CEMENTER Dustin Chambers
 # 366 HELPER Kevlin Eddy
 BULK TRUCK # 610-170 DRIVER Ben Newell
 BULK TRUCK # DRIVER

REMARKS:
Full Hole with Rig mud
1 1370 - 50 SKS
2 550 - 50 SKS
3 60 - 20 SKS
4 6H - 30 SKS
Plug Down 65.15 ph
Put Down

CHARGE TO: Palomino Petroleum
 STREET
 CITY STATE ZIP

SERVICE
 DEPTH OF JOB
 PUMP TRUCK CHARGE 1512.25
 EXTRA FOOTAGE @
 MILEAGE Hum 30 @ 7.70 231.00
 MANIFOLD @
hum 30 @ 4.40 132.00
 @
 TOTAL 2,830.00
35% 990.53

PLUG & FLOAT EQUIPMENT
1-8 1/8 wood plug @ 110.00
 @
 @
 @
 @
 TOTAL 110.00
35% 38.50

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

PRINTED NAME X Calvin F. Armstrong
 SIGNATURE X Calvin F. Armstrong
Thank You!

SALES TAX (If Any)
 TOTAL CHARGES 5,890.24
35% 2,061.83
 DISCOUNT IF PAID IN 30 DAYS
3,829.11



RECEIVED

MAR 10 2015

INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 148715

Invoice Date: Feb 24, 2015

Voice: (817) 546-7282

Page: 1

Fax: (817) 246-3361

Federal Tax I.D.#: 20-8651475

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

Customer ID	Field Ticket #	Payment Terms	
Palo	65204	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Feb 24, 2015	3/26/15

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Hagerman #1		
320.00	CEMENT MATERIALS	Class A Common	17.90	5,728.00
600.00	CEMENT MATERIALS	Gel	0.50	300.00
902.00	CEMENT MATERIALS	Chloride	1.10	992.20
345.99	CEMENT SERVICE	Cubic Feet Charge	2.48	858.06
473.70	CEMENT SERVICE	Ton Mileage Charge	2.75	1,302.68
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
30.00	CEMENT SERVICE	Pump Truck Mileage	7.70	231.00
30.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	132.00
1.00	EQUIPMENT SALES	8-5/8 Rubber Plug	131.00	131.00
1.00	EQUIPMENT SALES	8-5/8 Baffle Plate	320.00	320.00
2.00	EQUIPMENT SALES	8-5/8 Centralizer	75.00	150.00
1.00	EQUIPMENT OPERATOR	Dustin Chambers		
1.00	EQUIPMENT OPERATOR	Ben Newell		
1.00	CEMENT SUPERVISOR	Kevin Eddy		

Subtotal	11,657.19
Sales Tax	621.13
Total Invoice Amount	12,278.32
Payment/Credit Applied	
TOTAL	12,278.32

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

\$ 4,080.02

ONLY IF PAID ON OR BEFORE
Mar 26, 2015

ALLIED OIL & GAS SERVICE, LLC 065204

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Great Bend, KS

DATE <i>2-24-15</i>	SEC. <i>14</i>	TWP. <i>20S</i>	RANGE <i>19W</i>	CALLED OUT	ON LOCATION <i>9:30pm</i>	JOB START <i>1:00 AM</i>	JOB FINISH <i>11:00 AM</i>
LEASE <i>Hagerman</i>	WELL # <i>1</i>	LOCATION <i>Rush Center 105 4th</i>	COUNTY <i>Pawnee</i>	STATE <i>KS</i>			
OLD OR NEW (Circle one) <input checked="" type="radio"/> OLD			<i>165 wings</i>				

CONTRACTOR *w/b #12*
 TYPE OF JOB *Surf. Cr.*
 HOLE SIZE *17 1/4* T.D.
 CASING SIZE *4 5/8* DEPTH *521*
 TUBING SIZE DEPTH
 DRILL PIPE *4 1/2* DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. *25.5M Lx*
 PERFS.
 DISPLACEMENT *31.54 bbls Freshwater*
 EQUIPMENT

OWNER
 CEMENT
 AMOUNT ORDERED *320 sks Class A*
342cc 24 pipe
 COMMON *320* @ *17.90* *5,728.00*
 POZMIX @
 GEL *600* @ *.50* *300*
 CHLORIDE *902* @ *1.10* *992.20*
 ASC @
 @ *35%* *2,457.07*
 @
 @
 @
 @
 @
 @
 @
 HANDLING *345.99* @ *2.48* *858.06*
 MILEAGE *15.79 x .30 x* *2.75* *1,302.68*
 TOTAL

PUMP TRUCK CEMENTER *Dustin Chambers*
 # *394* HELPER *Ben Neuse!!*
 BULK TRUCK
 # *57112* DRIVER *Kevin Eddy*
 BULK TRUCK
 # DRIVER

REMARKS:

*Break circulation with Rig
 Pump 5 bbls Freshwater ahead
 1 m. 320 sks cement slurry down & release
 Plug
 Plug @ 31.54 Bbls Freshwater
 Land Plug @ 500 #
 Plug down 250 cement and circulation
 Rig down*

CHARGE TO: *Palomares Petroleum*
 STREET
 CITY STATE ZIP

SERVICE

DEPTH OF JOB
 PUMP TRUCK CHARGE *1512.35*
 EXTRA FOOTAGE @
 MILEAGE *Hum 30* @ *7.70* *231.00*
 MANIFOLD @
Hum 30 @ *4.40* *132.00*
 @

TOTAL *4,035.99*
 35% *1,412.60*

PLUG & FLOAT EQUIPMENT

1-4 5/8 Rubber plug @ *131.00* *131.00*
1-4 5/8 Pin Plate @ *320.00* *320.00*
2-4 5/8 centralizers @ *75.00* *150.00*
 @
 @

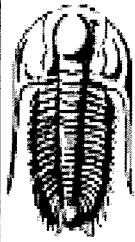
TOTAL *601.00*
 35% *210.35*

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 *11,657.19*
 35% *4,080.02*
 DISCOUNT *7,577.17* IF PAID IN 30 DAYS

PRINTED NAME *X. Calvin Pharmswell*

SIGNATURE *X. Calvin Pharmswell*
Thank You!!



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc
 4924 SE 84th st New ton KS 67114+8827
 ATTN: Jerry Smith

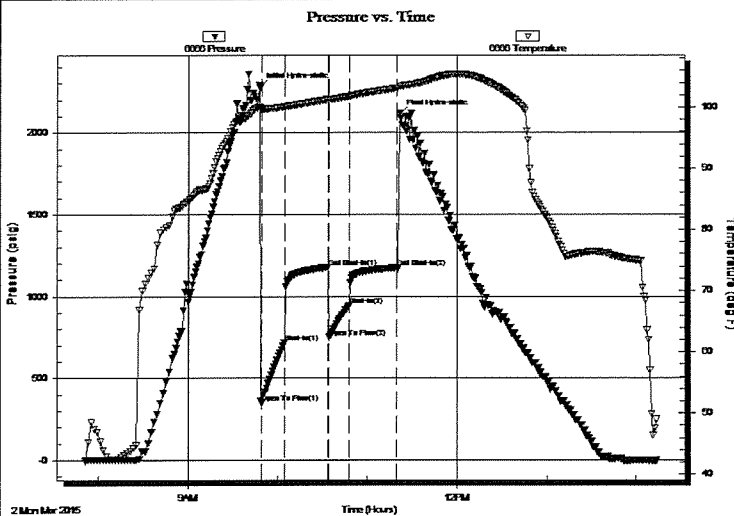
14-20-19w Pawnee
Hagerman #1
 Job Ticket: 62912 **DST#: 1**
 Test Start: 2015.03.02 @ 07:50:00

GENERAL INFORMATION:

Formation: **Cherokee Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:49:00
 Time Test Ended: 14:14:00
 Interval: **4170.00 ft (KB) To 4200.00 ft (KB) (TVD)**
 Total Depth: 4200.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 55-Great Bend-
 Reference Elevations: 2187.00 ft (KB)
 2182.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6666 Inside
 Press@RunDepth: 941.00 psig @ 4171.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2015.03.02 End Date: 2015.03.02 Last Calib.: 2015.03.02
 Start Time: 07:51:00 End Time: 14:14:00 Time On Btm: 2015.03.02 @ 09:48:00
 Time Off Btm: 2015.03.02 @ 11:21:30

TEST COMMENT: IFP-15 Minutes-Strong b low built bottom of bucket in 1 minute
 ISIP-30 Minutes-No blow back
 FFP-15 Minutes-Strong blow built bottom of bucket in 2 minutes
 FSIP-30 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2274.64	100.01	Initial Hydro-static
1	349.82	99.74	Open To Flow (1)
17	716.94	100.07	Shut-In(1)
46	1175.00	101.26	End Shut-In(1)
47	748.84	101.24	Open To Flow (2)
60	941.00	101.80	Shut-In(2)
92	1173.66	103.15	End Shut-In(2)
94	2113.99	103.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1680.00	water	22.47

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

14-20-19w Pawnee

4924 SE 84th st New ton KS 67114+8827

Hagerman #1

Job Ticket: 62912

DST#: 1

ATTN: Jerry Smith

Test Start: 2015.03.02 @ 07:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

35000 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1680.00	w ater	22.473

Total Length: 1680.00 ft

Total Volume: 22.473 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

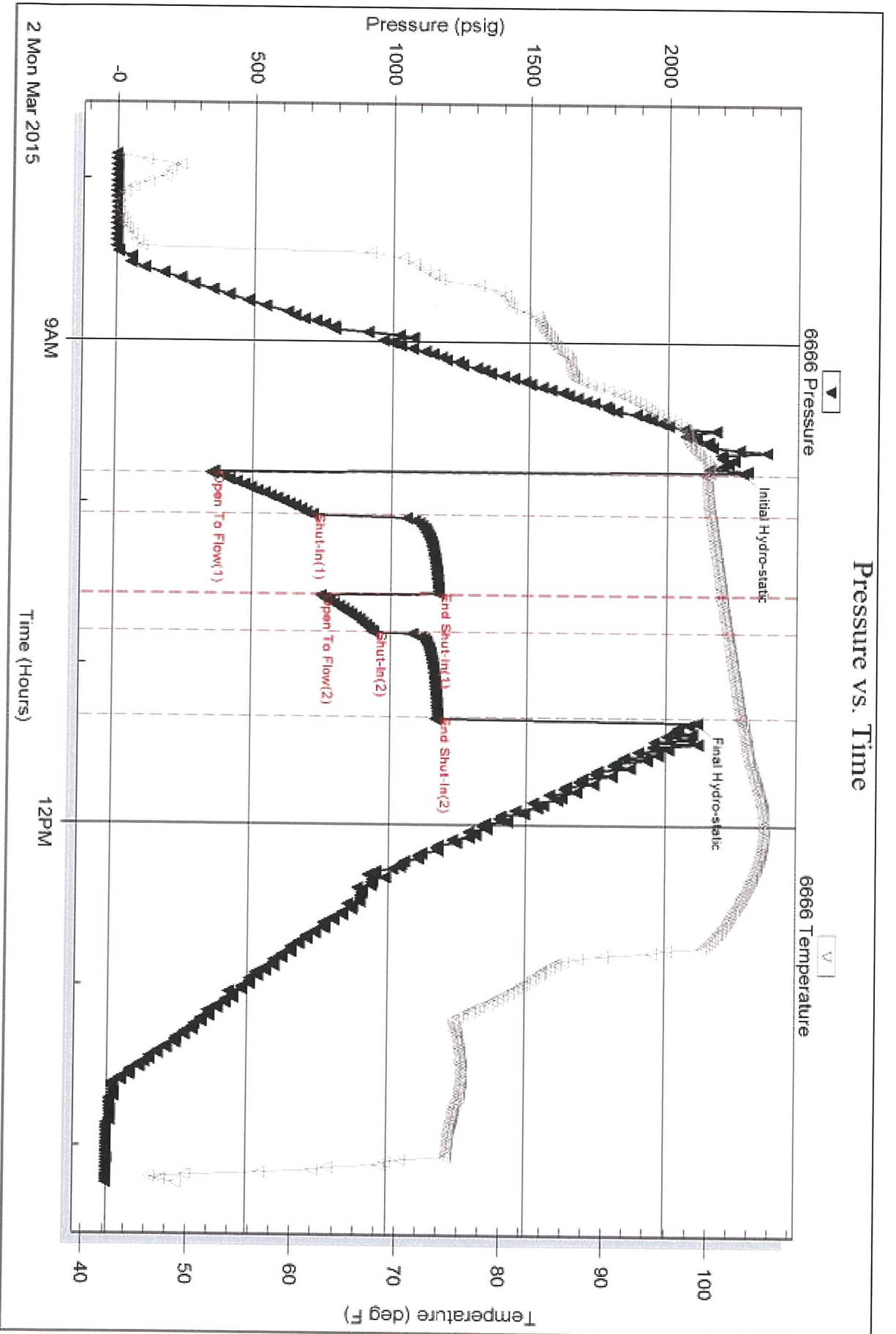
Serial #: 6666

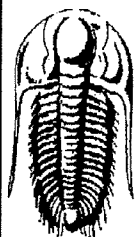
Inside

Palomino Petroleum Inc

Hagerman #1

DST Test Number: 1





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc
 4924 SE 84th St
 Newton KS 67114-8827
 ATTN: Jerry Smith

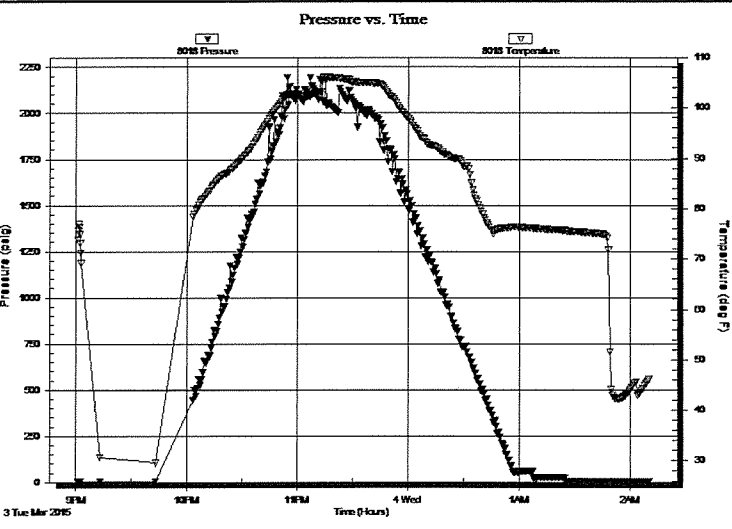
14-20s-19w Pawnee,KS
Hagerman #1
 Job Ticket: 61148 **DST#: 2**
 Test Start: 2015.03.03 @ 21:00:56

GENERAL INFORMATION:

Formation: **Cher SD.**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:10:00
 Time Test Ended: 02:10:05
 Test Type: Conventional Straddle (Reset)
 Tester: Ray Schwager
 Unit No: 70
 Interval: **4196.00 ft (KB) To 4218.00 ft (KB) (TVD)**
 Total Depth: 4370.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Reference Elevations: 2187.00 ft (KB)
 2182.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8018 **Inside**
 Press@RunDepth: psig @ 4207.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.03.03 End Date: 2015.03.04 Last Calib.: 2015.03.04
 Start Time: 21:00:56 End Time: 02:10:05 Time On Btm:
 Time Off Btm:

TEST COMMENT: IFP-packers failed . set twice



PRESSURE SUMMARY

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

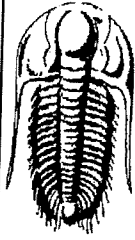
Recovery

Length (ft)	Description	Volume (bbl)
220.00	mud	1.99

* 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

14-20s-19w Pawnee, KS

4924 SE 84th St
New ton KS 67114-8827

Hagerman #1

Job Ticket: 61148

DST#: 2

ATTN: Jerry Smith

Test Start: 2015.03.03 @ 21:00:56

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 62.00 sec/qt

Water Loss: 14.36 in³

Resistivity: ohm.m

Salinity: 9400.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
220.00	mud	1.993

Total Length: 220.00 ft

Total Volume: 1.993 bbl

Num Fluid Samples: 0

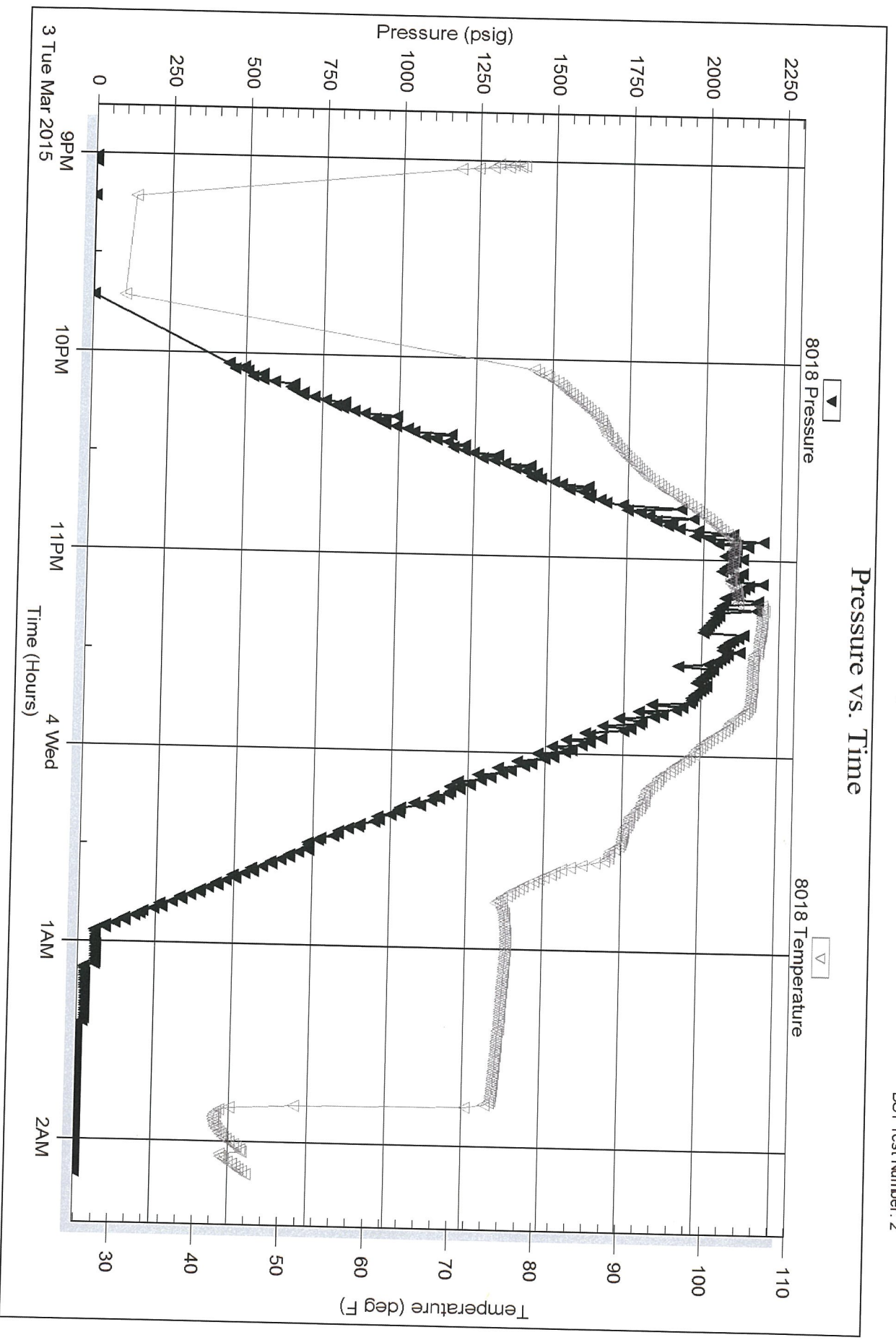
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

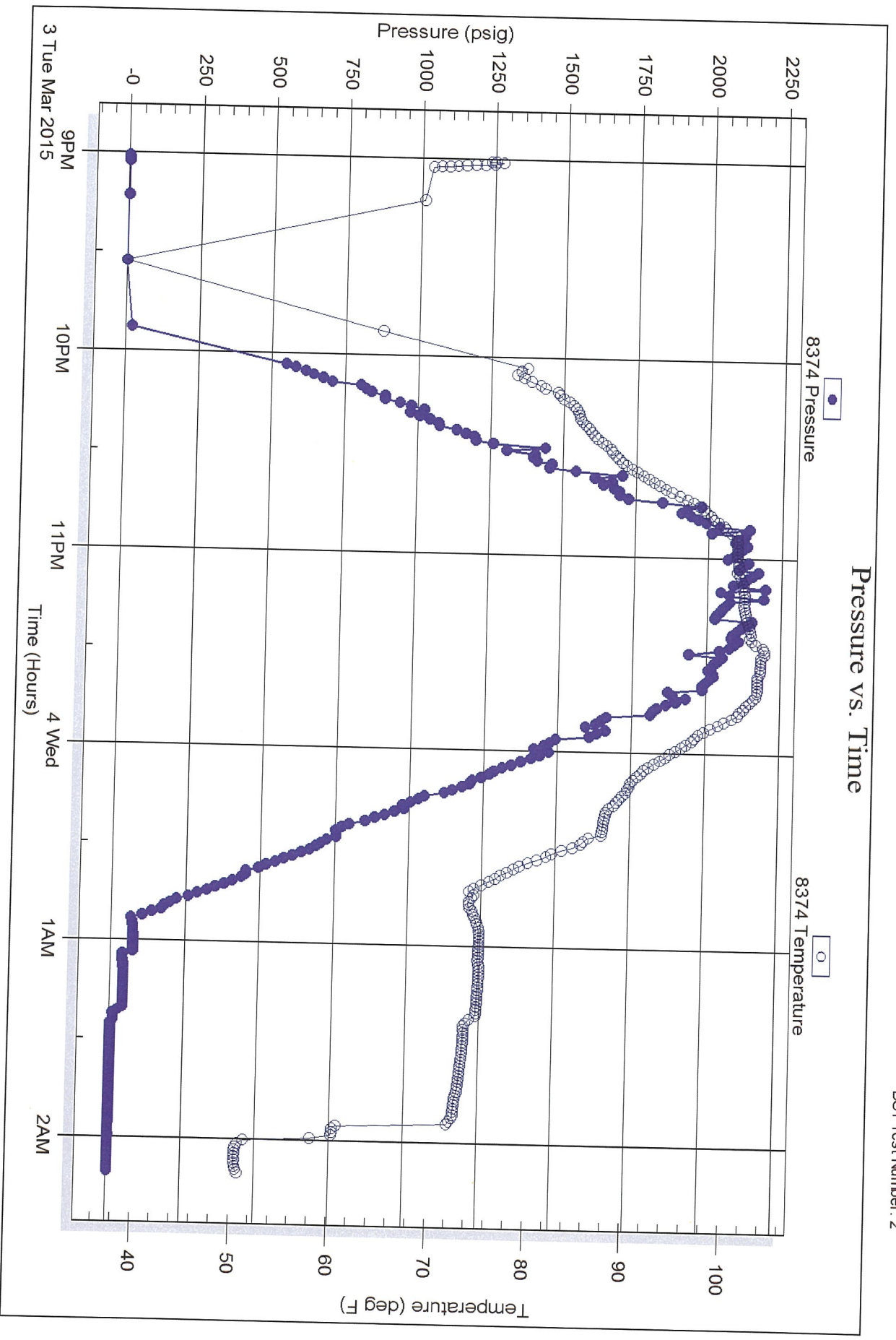


Serial #: 8374

Below (Stratton) Petroleum Inc

Hagerman #1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 61148

Printed: 2015.03.04 @ 06:48:03



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

14-20s-19w Pawnee,KS

Hagerman #1

Job Ticket: 61149

DST#: 3

Test Start: 2015.03.04 @ 08:05:43

GENERAL INFORMATION:

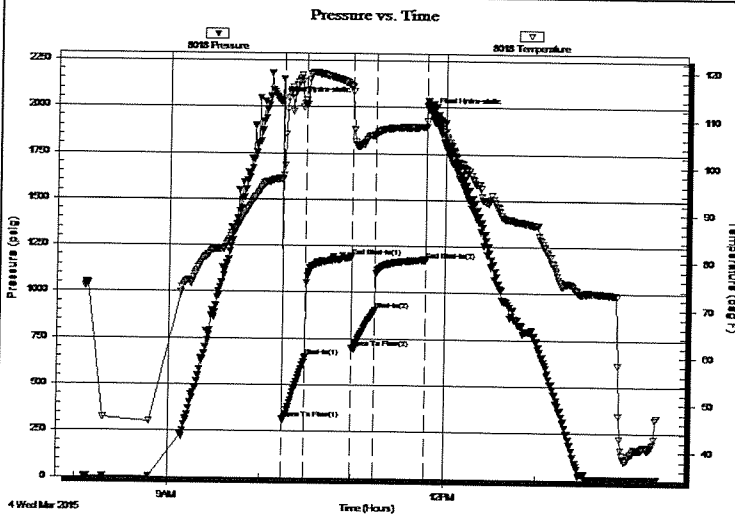
Formation: **Cher Sd**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:14:38
 Time Test Ended: 14:18:37
 Interval: **4184.00 ft (KB) To 4218.00 ft (KB) (TVD)**
 Total Depth: 4370.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Straddle (Reset)
 Tester: Ray Schwager
 Unit No: 70
 Reference Elevations: 2187.00 ft (KB)
 2182.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8018

Inside

Press@RunDepth: 903.75 psig @ 4191.00 ft (KB)
 Start Date: 2015.03.04 End Date: 2015.03.04 Capacity: 8000.00 psig
 Start Time: 08:05:43 End Time: 14:18:37 Last Calib.: 2015.03.04
 Time On Btm: 2015.03.04 @ 10:12:08
 Time Off Btm: 2015.03.04 @ 11:50:38

TEST COMMENT: 15-IFP-strg bl in 30 sec
 30-ISIP-no bl
 15-FFP-strg bl in 30 sec
 30-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2027.01	97.32	Initial Hydro-static
3	316.95	98.02	Open To Flow (1)
17	652.07	112.96	Shut-In (1)
48	1193.53	116.94	End Shut-In (1)
48	701.58	115.84	Open To Flow (2)
63	903.75	106.76	Shut-In (2)
96	1178.08	108.39	End Shut-In (2)
99	1974.38	111.40	Final Hydro-static

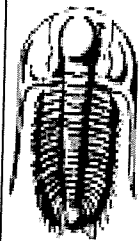
Recovery

Length (ft)	Description	Volume (bbl)
1840.00	Water	24.72

* 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

14-20s-19w Pawnee,KS

4924 SE 84th St
New ton KS 67114-8827

Hagerman #1

Job Ticket: 61149

DST#: 3

ATTN: Jerry Smith ,

Test Start: 2015.03.04 @ 08:05:43

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 62.00 sec/qt

Water Loss: 14.35 in³

Resistivity: ohm.m

Salinity: 9400.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 28000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1840.00	Water	24.717

Total Length: 1840.00 ft Total Volume: 24.717 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .29@60F

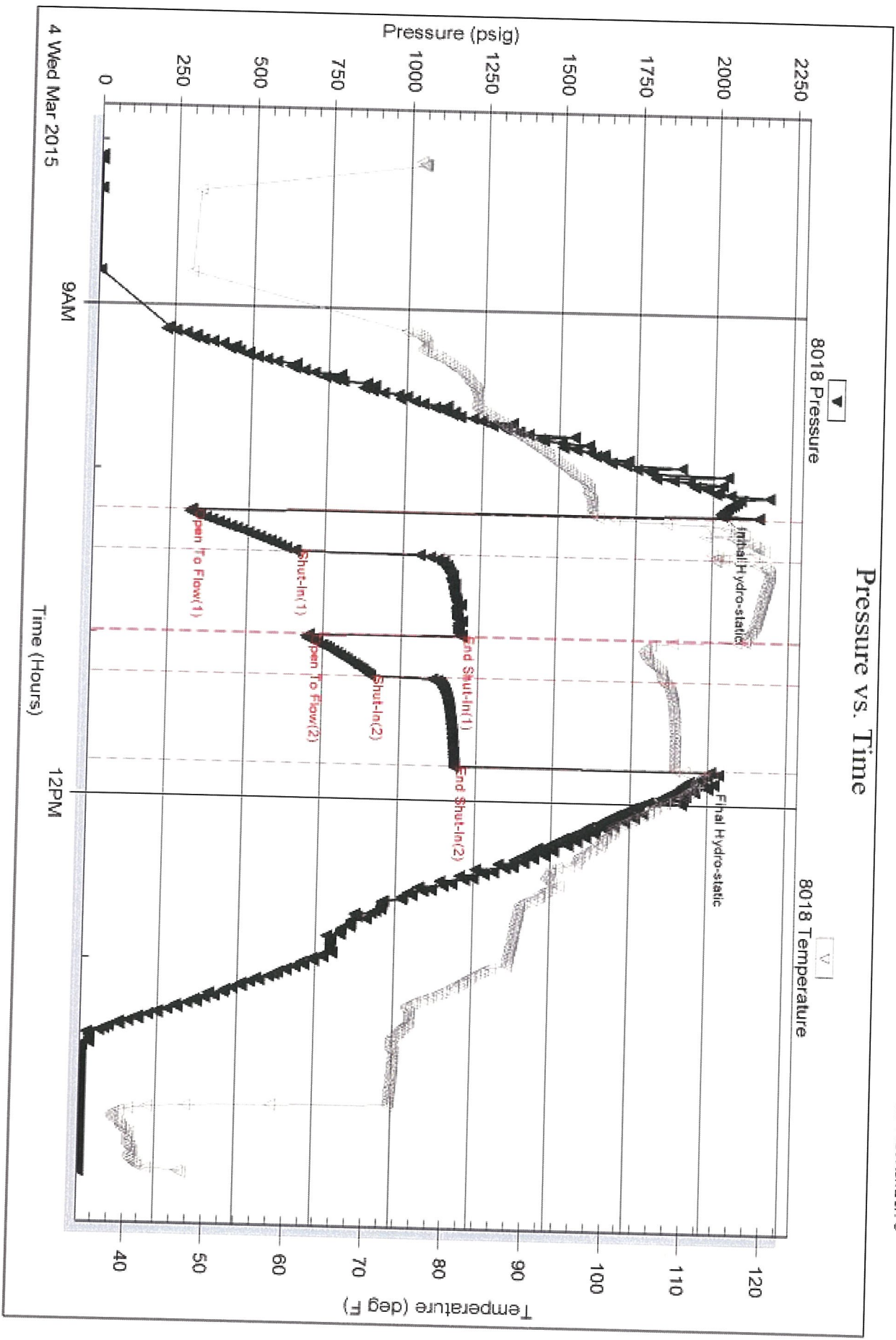
Serial #: 8018

Inside

Palomino Petroleum Inc

Hagerman #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 61149

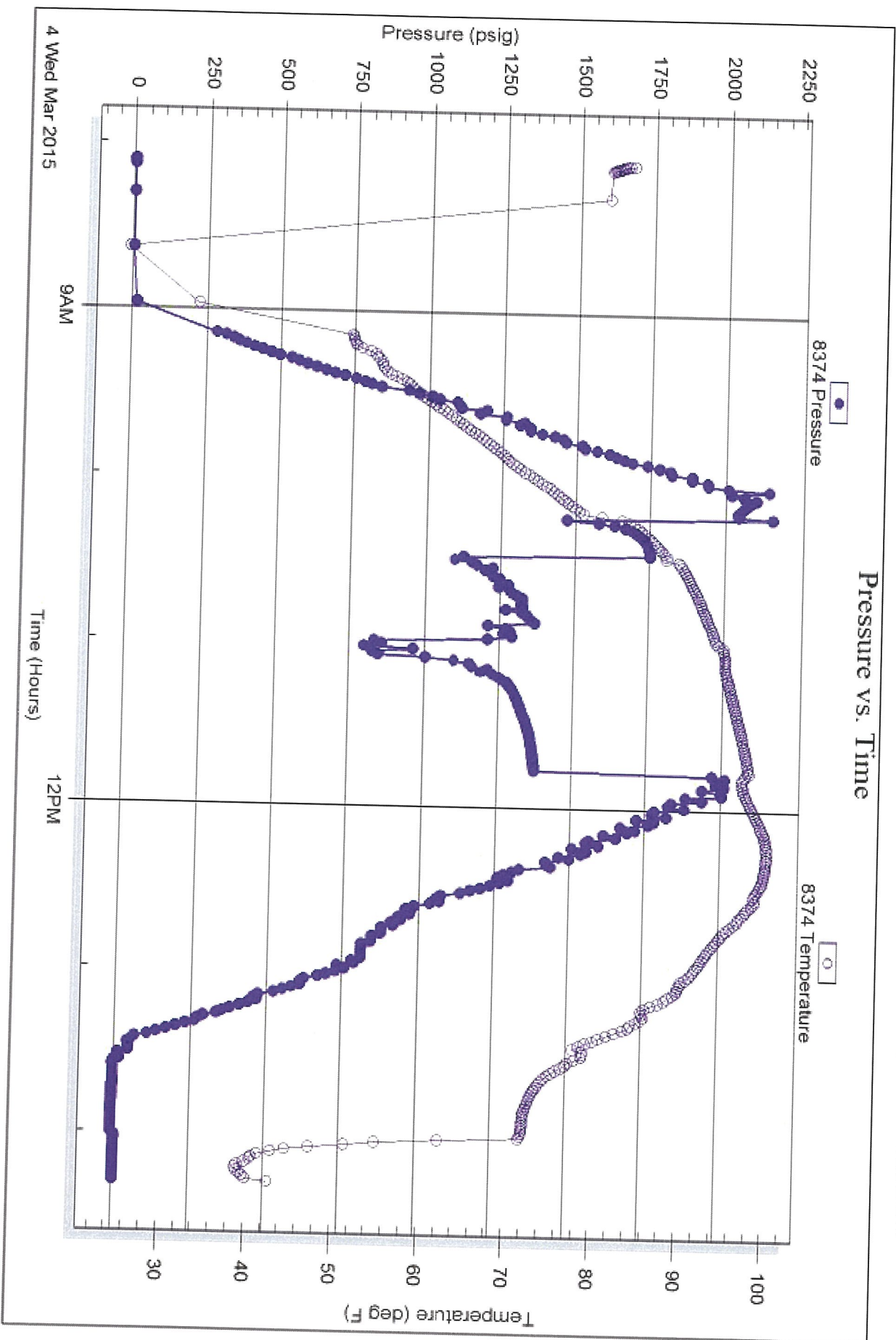
Printed: 2015.03.04 @ 15:55:05

Serial #: 8374

Below (Sir) Raddipho Petroleum Inc

Hagerman #1

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 61149

Printed: 2015.03.04 @ 15:55:05