



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1262624
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
-----------------------------------	-----------------	---

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: _____



1262624

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
----------------	-------	---------	------------	---

Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Rainbow Trout Farms 1
Doc ID	1262624

Tops

Name	Top	Datum
Anhy.	1750	(+549)
Base Anhy.	1787	(-512)
Heebner	3554	(-1255)
Toronto	3574	(-1275)
Lansing	3593	(-1294)
Muncie Creek	3751	(-1452)
Stark	3832	(-1533)
Hushpuckney	3864	(-1565)
BKC	3884	(-1585)
Pawnee	4029	(-1730)
Ft. Scott	4093	(-1794)
Cherokee Sh.	4119	(-1800)
Miss. Dol.	4183	(-1884)
LTD	4309	(-2010)



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: 7/30/2015
 Invoice # 1480

RECEIVED
 AUG 06 2015

P.O.#:
 Due Date: 8/29/2015
 Division: Russell

Invoice

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

Reference:
 RAINBOW TROUT FARMS 1

Description of Work:
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 620.74	No				
Common-Class A	72	\$ 1,015.20	Yes				
POZ Mix-Standard	48	\$ 285.40	Yes				
Bulk Truck Matl-Material Service Charge	200	\$ 169.88	No				
Pump Truck Mileage-Job to Nearest Camp	35	\$ 163.51	No				
Calcium Chloride	3	\$ 141.83	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	35	\$ 104.05	No				
Premium Gel (Bentonite)	4	\$ 55.31	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 2,555.92
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (63.90)

SubTotal for Taxable Items:	\$ 1,460.30
SubTotal for Non-Taxable Items:	\$ 1,031.73
Total:	\$ 2,492.02
Tax:	\$ 124.13

8.50% Gove County Sales Tax

Thank You For Your Business!

Amount Due: \$ 2,616.15
Applied Payments:
Balance Due: \$ 2,616.15

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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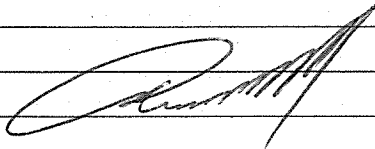
QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 1438

Date	7-30-15	Sec.	32	Twp.	15	Range	10	County	Ellis Ellsworth	State	KS	On Location		Finish	3:30PM
Lease								Well No.		Owner					
Zvolanek								A 4		AZ					
Contractor								To Quality Oilwell Cementing, Inc.							
Classic								You are hereby requested to rent cementing equipment and furnish							
Type Job								cementer and helper to assist owner or contractor to do work as listed.							
Plug								Charge To							
Hole Size								Mark Connell							
T.D.								Street							
Csg. 5 1/2								Depth							
Tbg. Size 2 3/8								City							
Tool								State							
Depth								The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.								Shoe Joint							
Cement Amount Ordered								200sx 60/40, 4%, 5cc on the							
Meas Line								side used 120							
Displace								Common 72							
EQUIPMENT															
Pumptrk	17	No.		Cementer								Poz. Mix	48		
				Helper	Nick							Gel.	4		
Bulktrk	14	No.		Driver								Calcium	3		
				Driver	Billy										
Bulktrk	P4	No.		Driver											
				Driver	Trans										
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							
25sx at 3241								Sand							
40sx 2% occ at 1425								Handling 200							
25sx at 825								Mileage							
FLOAT EQUIPMENT															
25sx at 425 to circulate								Guide Shoe							
5sx to top off 5 1/2								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge plug							
								Mileage 35							
Tax															
Discount															
Total Charge															
X Signature															

RECEIVED

AUG 10 2015



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: 8/6/2015
Invoice # 1482

P.O.#:

Due Date: 9/5/2015

Division: *Russell*

Invoice

Contact:

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

Reference:

RAINBOW TROUT FARMS 1

Description of Work:

PLUG JOB

Services / Items Included:

	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 606.13	Yes				
Common-Class A	144	\$ 1,982.63	Yes				
POZ Mix-Standard	96	\$ 557.36	Yes				
Bulk Truck Matl-Material Service Charge	249	\$ 206.52	Yes				
Pump Truck Mileage-Job to Nearest Camp	40	\$ 182.47	Yes				
Premium Gel (Bentonite)	9	\$ 121.53	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	40	\$ 116.12	Yes				
Flo Seal	60	\$ 99.53	Yes				
Dry Hole Plug	1	\$ 46.45	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 3,918.74

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (97.97)

SubTotal for Taxable Items: \$ 3,820.77

SubTotal for Non-Taxable Items: \$ -

Total: \$ 3,820.77

Tax: \$ 324.77

8.50% Gove County Sales Tax

Thank You For Your Business!

Amount Due: \$ 4,145.54

Applied Payments:

Balance Due: \$ 4,145.54

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. 1482

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-5-15	4	15	26	Leave	KS		7:00 PM

Location Quarter 20SK 3E to 2800 3N W into

Lease	Well No. 1	Owner	
<u>Rainbow Trout Farms</u>		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			
<u>W W #6</u>			
Type Job		Charge To	
<u>Rotary Plug</u>		<u>Palomino Petroleum</u>	
Hole Size	T.D.		
<u>7 7/8</u>	<u>4309</u>		
Csg.	Depth	Street	
Tbg. Size	Depth	City	
		State	
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.	Shoe Joint	Cement Amount Ordered <u>240 60/40 4 1/2 65L 1/4 #10</u>	
Meas Line	Displace		

EQUIPMENT

Pumptrk	No.	Cementer	Common
<u>18</u>		<u>Craig</u>	<u>144</u>
		Helper	Poz. Mix
			<u>96</u>
Bulktrk	No.	Driver	Gel.
		<u>NICK</u>	<u>9</u>
		Driver	Calcium
Bulktrk	No.	Driver	
<u>15</u>		<u>Travis</u>	

JOB SERVICES & REMARKS

Remarks:	Hulls
	Salt
Rat Hole <u>30SK</u>	Flowseal <u>60A</u>
Mouse Hole	Kol-Seal
Centralizers	Mud CLR 48
Baskets	CFL-117 or CD110 CAF 38
D/V or Port Collar	Sand
<u>1st 1780 50SK</u>	Handling <u>249</u>
<u>2nd 720 100SK</u>	Mileage
<u>3rd 270 50SK</u>	
<u>4th 40 10SK</u>	

FLOAT EQUIPMENT

Guide Shoe	<u>8 5/8 Dry Hole Plug</u>
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge plug

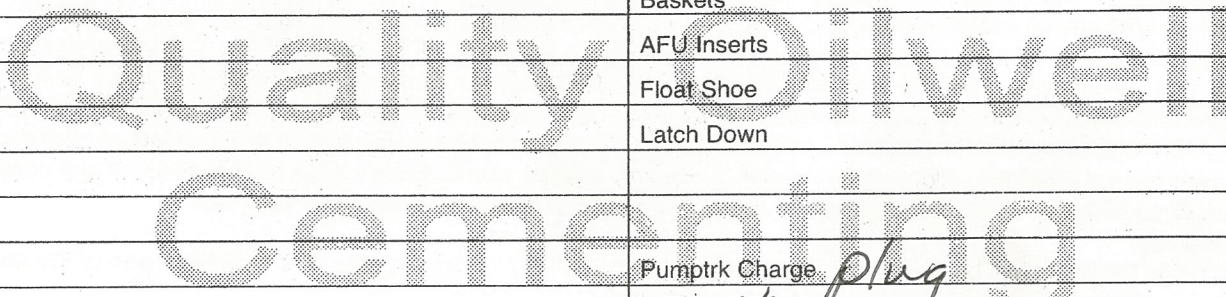
Mileage 40

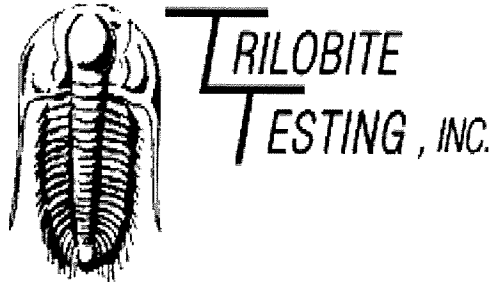
Tax

Discount

Total Charge

X Signature Mark Bize





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton KS 67114

ATTN: Ryan Seib

4-15s-26w Gove,KS

Rainbow Trout Farms #1

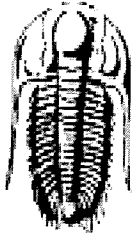
Start Date: 2015.08.03 @ 16:15:00

End Date: 2015.08.03 @ 22:41:45

Job Ticket #: 64708 DST #: 1

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

Printed: 2015.08.05 @ 14:55:16



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

Rainbow Trout Farms #1
4-15s-26w Gove,KS
Job Ticket: 64708 DST#: 1
Test Start: 2015.08.03 @ 16:15:00

GENERAL INFORMATION:

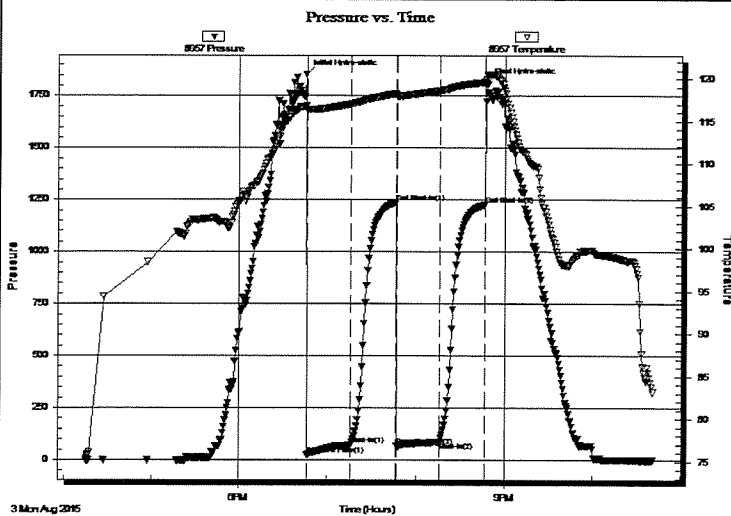
Formation: **LKC"H-L"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:46:30
Time Test Ended: 22:41:45
Test Type: Conventional Bottom Hole (Initial)
Tester: Brett Dickinson
Unit No: 81
Interval: **3741.00 ft (KB) To 3900.00 ft (KB) (TVD)**
Total Depth: 3900.00 ft (KB) (TVD)
Reference Elevations: 2299.00 ft (KB)
2294.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair
KB to GR/CF: 5.00 ft

Serial #: 8957

Inside

Press@RunDepth: 84.66 psig @ 3747.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.08.03 End Date: 2015.08.03 Last Calib.: 2015.08.03
Start Time: 16:15:05 End Time: 22:41:44 Time On Btm: 2015.08.03 @ 18:45:45
Time Off Btm: 2015.08.03 @ 20:47:45

TEST COMMENT: IF-7" blow
ISI-No blow
FF-8" blow
FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1853.71	116.80	Initial Hydro-static
1	23.39	116.25	Open To Flow (1)
30	70.15	117.04	Shut-In(1)
60	1237.25	118.24	End Shut-In(1)
61	68.04	117.96	Open To Flow (2)
90	84.66	118.61	Shut-In(2)
121	1227.40	119.63	End Shut-In(2)
122	1815.85	120.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOCM 25%G 35%O 40%M	0.59
50.00	SGOCM 25%G 35%O 40%M	0.70
0.00	190ft GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

Rainbow Trout Farms #1

4924 SE 84th St
New ton KS 67114

4-15s-26w Gove,KS

Job Ticket: 64708

DST#: 1

ATTN: Ryan Seib

Test Start: 2015.08.03 @ 16:15:00

Tool Information

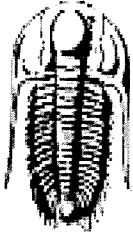
Drill Pipe:	Length: 3615.00 ft	Diameter: 3.80 inches	Volume: 50.71 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 40000.00 lb
			Total Volume: - bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3741.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	159.00 ft			
Tool Length:	187.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3718.00	
Hydraulic tool	5.00			3723.00	
Jars	5.00			3728.00	
Safety Joint	3.00			3731.00	
Packer	5.00			3736.00	28.00 Bottom Of Top Packer
Packer	5.00			3741.00	
Stubb	1.00			3742.00	
Perforations	5.00			3747.00	
Recorder	0.00	8736	Outside	3747.00	
Recorder	0.00	8957	Inside	3747.00	
Change Over Sub	1.00			3748.00	
Drill Pipe	124.00			3872.00	
Change Over Sub	1.00			3873.00	
Perforations	24.00			3897.00	
Bullnose	3.00			3900.00	159.00 Bottom Packers & Anchor

Total Tool Length: 187.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

Rainbow Trout Farms #1

4924 SE 84th St
New ton KS 67114

4-15s-26w Gove,KS

Job Ticket: 64708

DST#: 1

ATTN: Ryan Seib

Test Start: 2015.08.03 @ 16:15:00

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: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1200.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GOCM 25%G 35%O 40%M	0.590
50.00	SGOCM 25%G 35%O 40%M	0.701
0.00	190ft GIP	0.000

Total Length: 170.00 ft Total Volume: 1.291 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

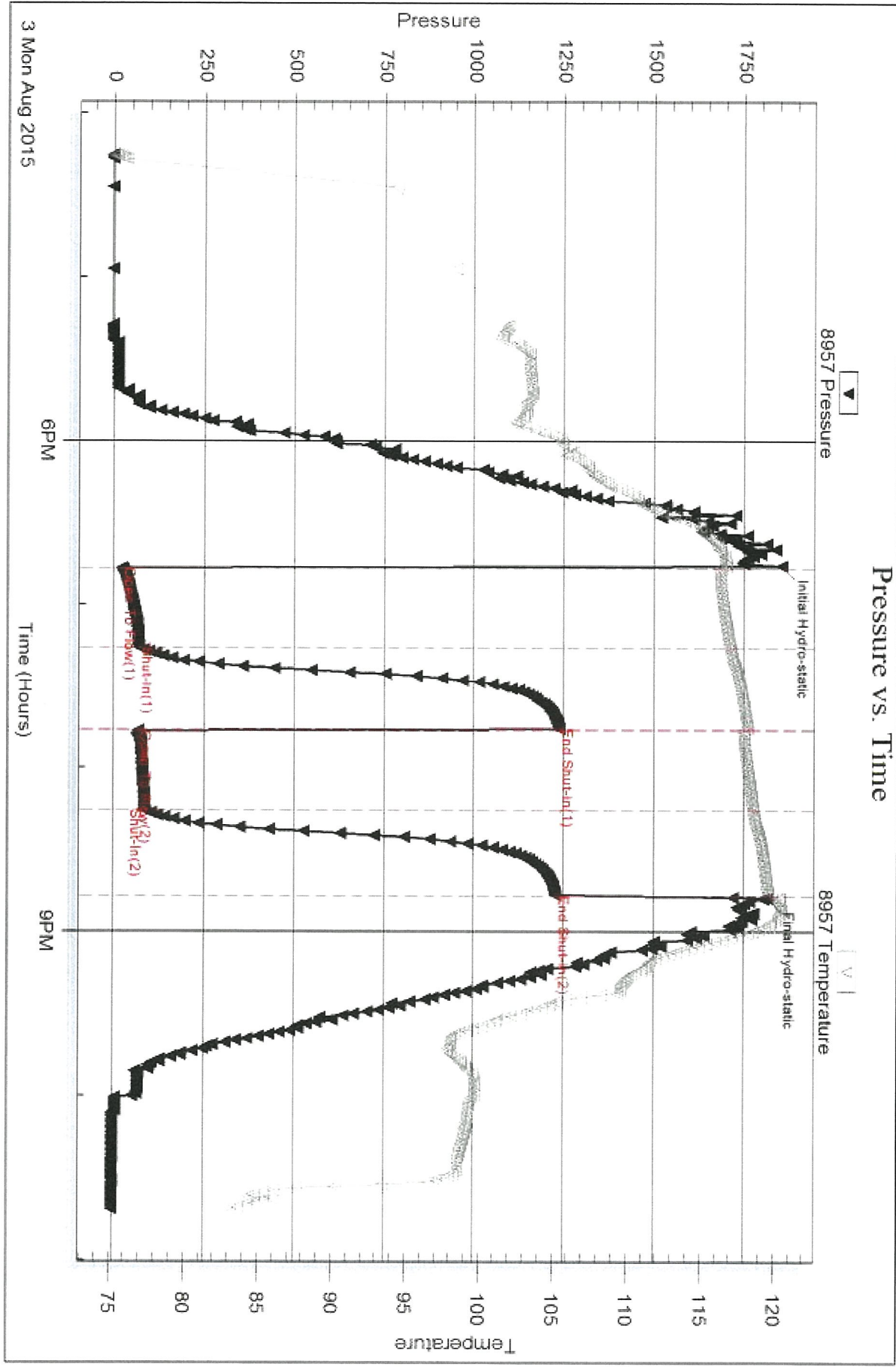
Serial #: 8957

Inside

Palomino Petroleum

4-155-26w Gove,KS

DST Test Number: 1



Tribble Testing, Inc

Ref No: 64708

Printed 2015 08 05 @ 14:55:18

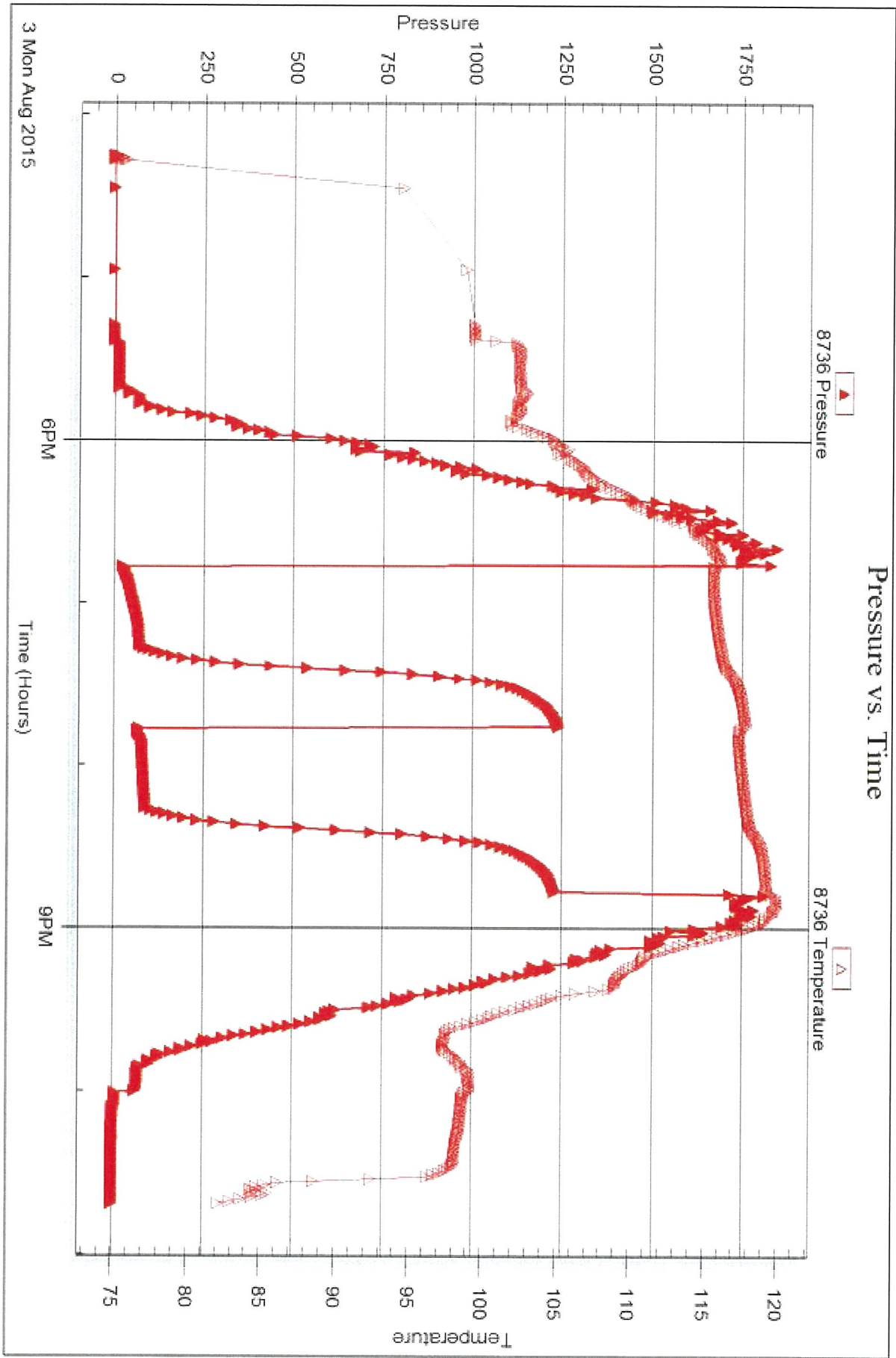
Serial #: 8736

Outside

Palomino Petroleum

4-15s-26w Gove,KS

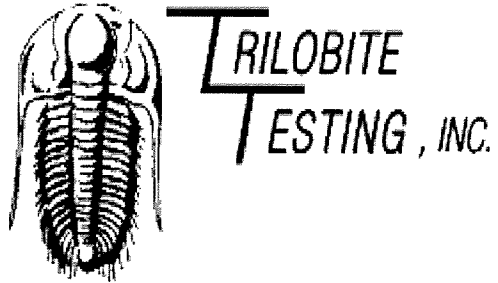
DST Test Number: 1



Tribble Testing, Inc

Ref. No: 64708

Printed 2015 08 05 @ 14:55:18



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton KS 67114

ATTN: Ryan Seib

4-15s-26w Gove,KS

Rainbow Trout Farms #1

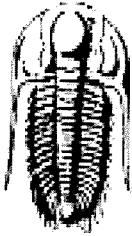
Start Date: 2015.08.05 @ 06:35:00

End Date: 2015.08.05 @ 12:30:45

Job Ticket #: 64709 DST #: 2

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

Printed: 2015.08.05 @ 14:54:58



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

Rainbow Trout Farms #1

4-15s-26w Gove,KS

Job Ticket: 64709 **DST#: 2**

Test Start: 2015.08.05 @ 06:35:00

GENERAL INFORMATION:

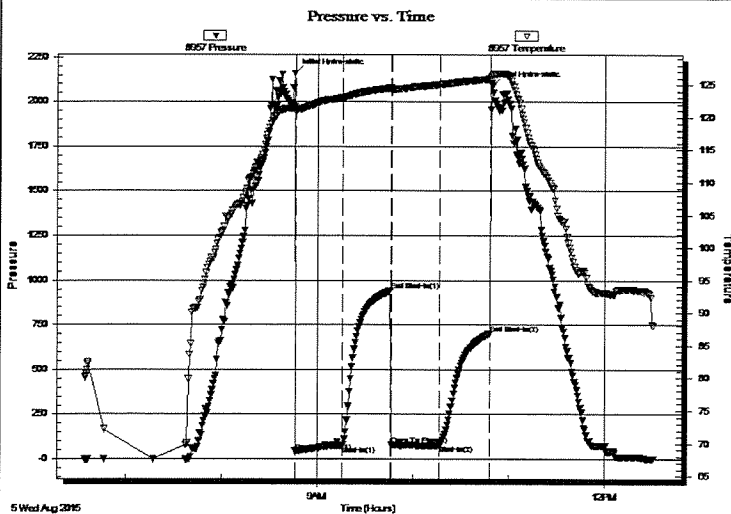
Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:46:00
 Time Test Ended: 12:30:45
 Interval: **4116.00 ft (KB) To 4225.00 ft (KB) (TVD)**
 Total Depth: 4309.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Straddle (Reset)
 Tester: Brett Dickinson
 Unit No: 81
 Reference Elevations: 2299.00 ft (KB)
 2294.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8957

Inside

Press@RunDepth: 78.17 psig @ 4117.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.08.05 End Date: 2015.08.05 Last Calib.: 2015.08.05
 Start Time: 06:35:05 End Time: 12:30:44 Time On Btm: 2015.08.05 @ 08:45:30
 Time Off Btm: 2015.08.05 @ 10:49:30

TEST COMMENT: IF-3" blow
 ISI-No blow
 FF-No blow
 FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2159.36	121.55	Initial Hydro-static
1	42.68	120.72	Open To Flow (1)
31	72.83	122.99	Shut-In(1)
61	943.09	124.51	End Shut-In(1)
61	76.93	124.31	Open To Flow (2)
92	78.17	125.02	Shut-In(2)
123	702.00	125.88	End Shut-In(2)
124	2088.60	126.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	SOCM 10%O 90%M	0.66
5.00	SGO 10%G 90%O	0.07

* 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

ATTN: Ryan Seib

Rainbow Trout Farms #1
4-15s-26w Gove,KS
Job Ticket: 64709 **DST#: 2**
Test Start: 2015.08.05 @ 06:35:00

Tool Information

Drill Pipe:	Length: 4026.00 ft	Diameter: 3.80 inches	Volume: 56.47 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - 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: 42000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	57.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	4116.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	4226.00 ft			
Interval between Packers:	110.00 ft			
Tool Length:	224.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4094.00	
Hydraulic tool	5.00			4099.00	
Jars	5.00			4104.00	
Safety Joint	2.00			4106.00	
Packer	5.00			4111.00	27.00 Bottom Of Top Packer
Packer	5.00			4116.00	
Stubb	1.00			4117.00	
Recorder	0.00	8957	Inside	4117.00	
Recorder	0.00	8736	Outside	4117.00	
Perforations	5.00			4122.00	
Change Over Sub	1.00			4123.00	
Drill Pipe	93.00			4216.00	
Change Over Sub	1.00			4217.00	
Perforations	5.00			4222.00	
Blank Off Sub	4.00			4226.00	110.00 Tool Interval
Packer	5.00			4231.00	
Perforations	14.00			4245.00	
Recorder	0.00	8934	Below	4245.00	
Change Over Sub	1.00			4246.00	
Drill Pipe	63.00			4309.00	
Change Over Sub	1.00			4310.00	
Bullnose	3.00			4313.00	87.00 Bottom Packers & Anchor

Total Tool Length: 224.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

Rainbow Trout Farms #1

4924 SE 84th St
New ton KS 67114

4-15s-26w Gove,KS

Job Ticket: 64709

DST#: 2

ATTN: Ryan Seib

Test Start: 2015.08.05 @ 06:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	SOCM 10%O 90%M	0.660
5.00	SGO 10%G 90%O	0.070

Total Length: 130.00 ft Total Volume: 0.730 bbl

Num Fluid Samples: 0

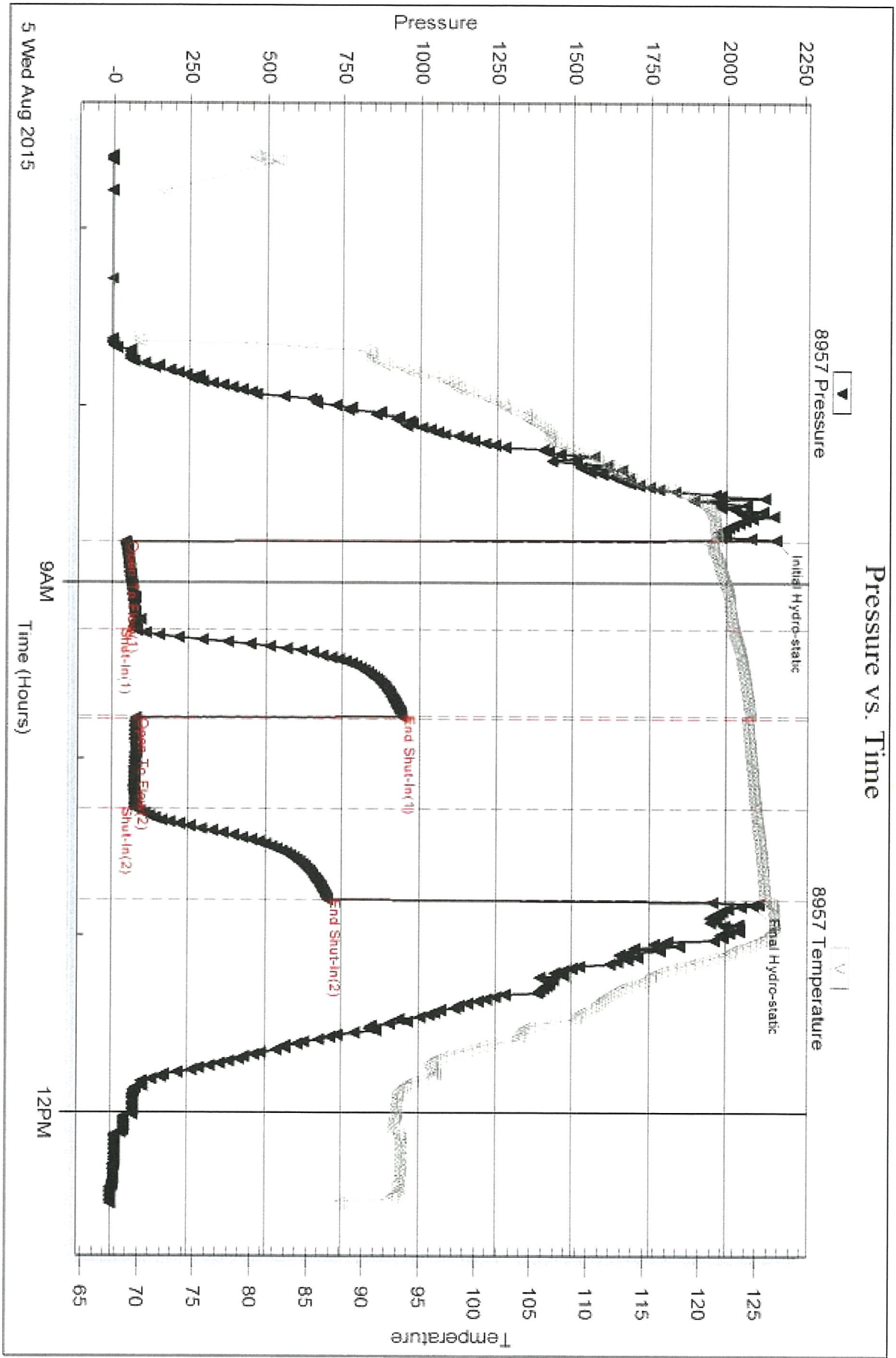
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



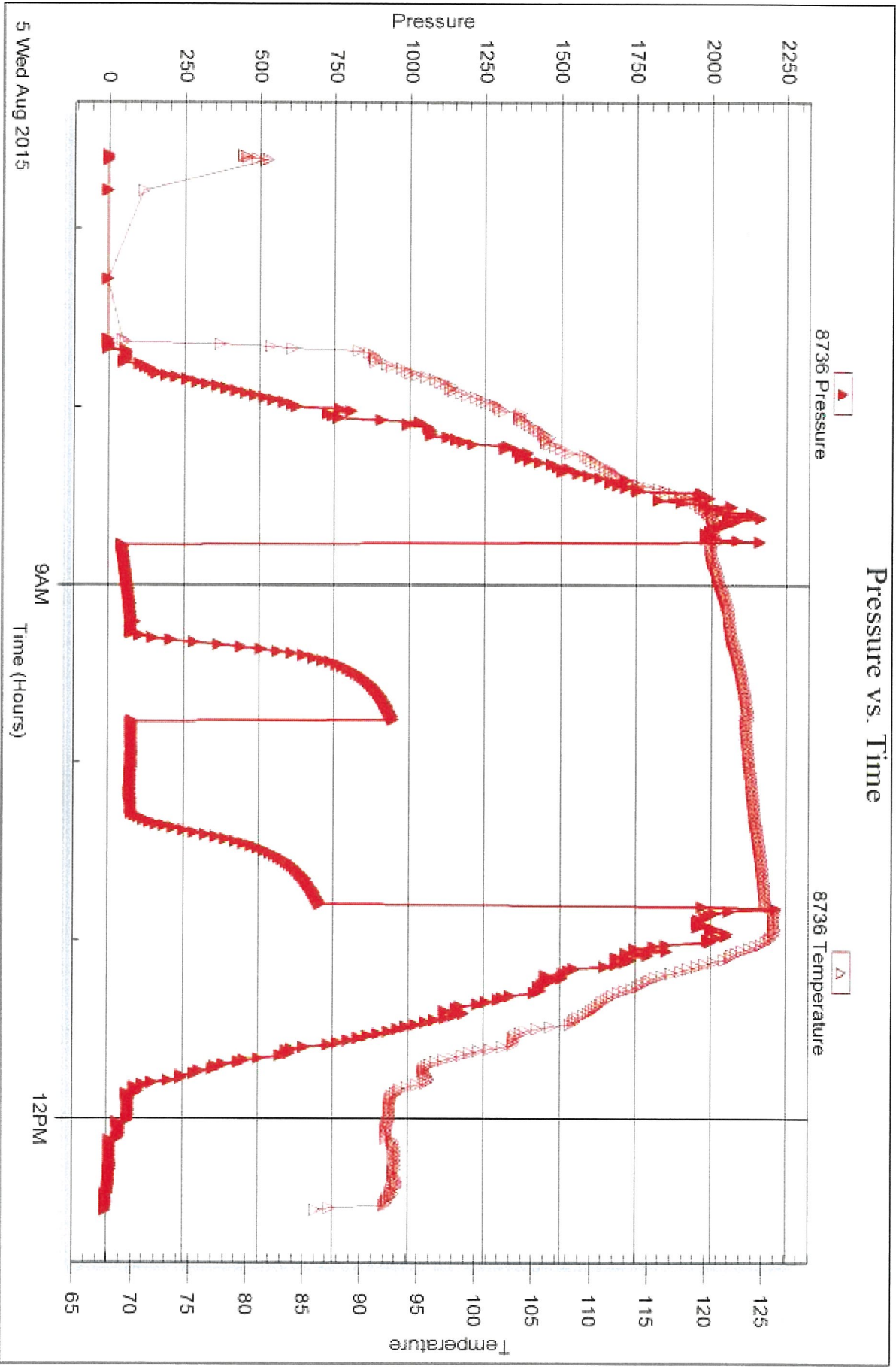
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Outside

Palomino Petroleum

4-155-26W Gove, KS

DST Test Number: 2



Tribbitt Testing, Inc

Ref. No: 64709

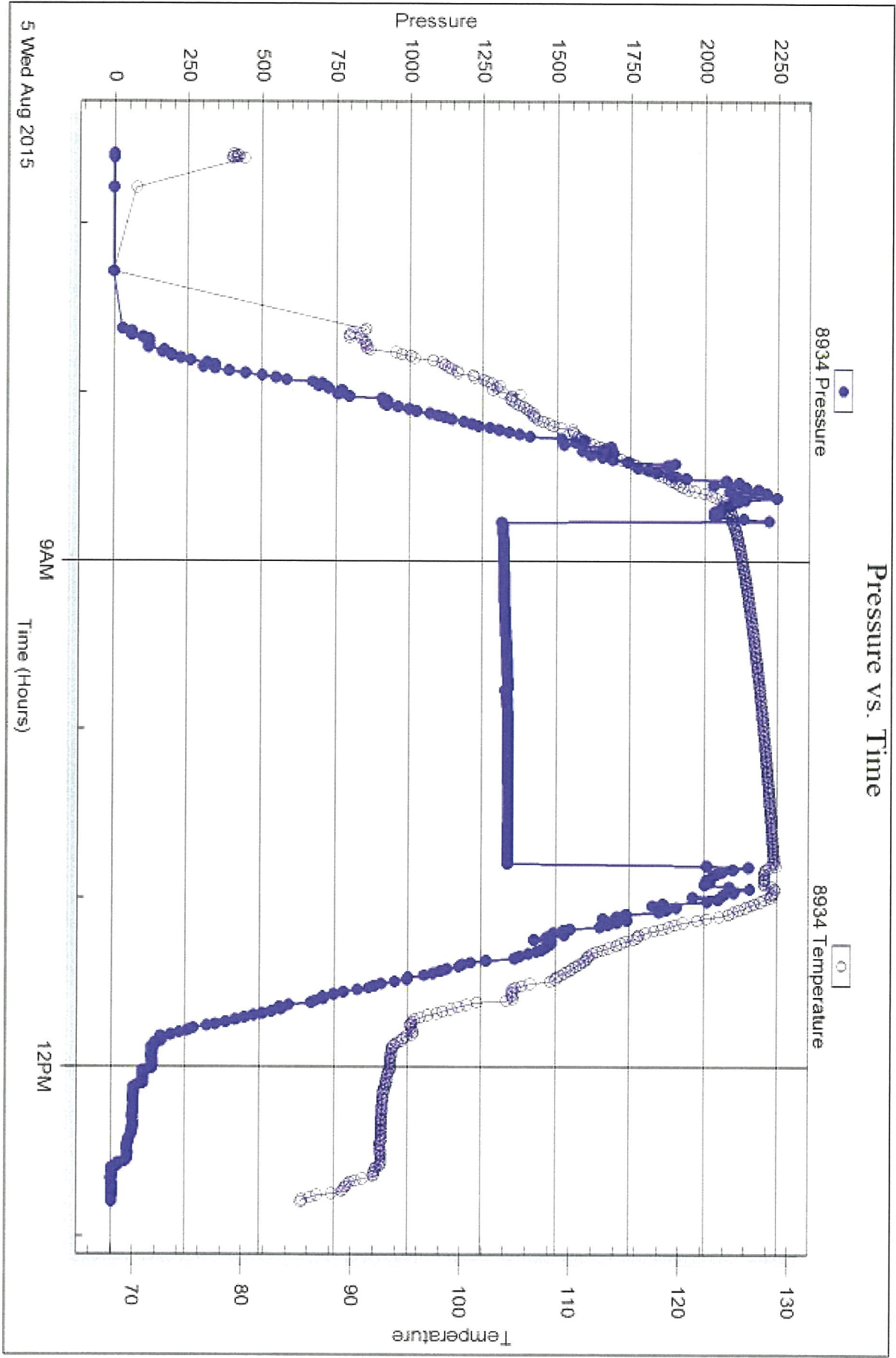
Printed 2015 08 05 @ 14:55:01

Serial #: 8934

Below (Stratton) Petroleum

4-15s-26w Gove, KS

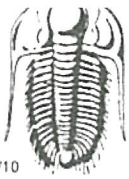
DST Test Number: 2



Tribble Testing, Inc

Ref No: 64709

Printed 2015 08 05 @ 14 55 01



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **64708**

Well Name & No. Rainbow Trout Farm #1 Test No. 1 Date 8-3-15
 Company Palomino Petroleum Elevation 2299 KB 2294 GL
 Address 4924 SE 84th ST Newton KS 67114
 Co. Rep / Geo. Ryan Seib Rig WW #6
 Location: Sec. 4 Twp. 15s Rge. 26 Co. _____ State KS

Interval Tested 3741 - 3900 Zone Tested KC" H-L
 Anchor Length 159 Drill Pipe Run _____ Mud Wt. 9.1
 Top Packer Depth 3736 Drill Collars Run 120 Vis 60T
 Bottom Packer Depth 3741 Wt. Pipe Run _____ WL 8.0
 Total Depth 3900 Chlorides 1200 ppm System LCM 2 #

Blow Description IF - 7in blow
ISI - No blow
FF - 8in blow
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>560CM</u>	<u>10</u>	<u>30</u>	<u>60</u>	
<u>120</u>	<u>60CM</u>	<u>25</u>	<u>35</u>	<u>40</u>	
<u> </u>	<u>190ft GIP</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Rec Total 170 BHT 120 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

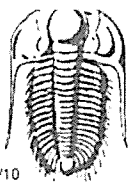
(A) Initial Hydrostatic <u>1,854</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>15:45</u>
(B) First Initial Flow <u>23</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>16:15</u>
(C) First Final Flow <u>70</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>18:47</u>
(D) Initial Shut-In <u>1,237</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>20:47</u>
(E) Second Initial Flow <u>68</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>22:45</u>
(F) Second Final Flow <u>85</u>	<input checked="" type="checkbox"/> Mileage <u>180-7</u> <u>120</u>	Comments _____
(G) Final Shut-In <u>1,227</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1,816</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1495
 MP/DST Disc't _____
 Sub Total 1495

Approved By _____ Our Representative BWD

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64709

Well Name & No. Rainbow Trout Farm #1 Test No. 2 Date 8-5-15
 Company Palomine Petroleum Elevation 2299 KB 2294 GL
 Address _____
 Co. Rep / Geo. Ryan Scib Rig WW#6
 Location: Sec. 4 Twp. 15s Rge. 26 Co. Govc State KS

Interval Tested 4116 - 4225 Zone Tested MISS
 Anchor Length 109 Drill Pipe Run _____ Mud Wt. _____
 Top Packer Depth 4111, 4116 Drill Collars Run 120 Vis _____
 Bottom Packer Depth 4225 Wt. Pipe Run — WL _____
 Total Depth 4309 Chlorides _____ ppm System LCM _____

Blow Description JF - 3 in blow
JSI - No blow
FF - No blow
ESI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>SEC</u>	<u>10</u>	<u>70</u>		
<u>125</u>	<u>SOCM</u>		<u>10</u>		<u>90</u>
_____	_____	%gas	%oil	%water	%mud
_____	_____	%gas	%oil	%water	%mud
_____	_____	%gas	%oil	%water	%mud

Rec Total 130 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2159 Test 1150 T-On Location 6:15
 (B) First Initial Flow 43 Jars 250 T-Started 6:35
 (C) First Final Flow 73 Safety Joint 75 T-Open 8:43
 (D) Initial Shut-In 943 Circ Sub _____ T-Pulled 10:43
 (E) Second Initial Flow 77 Hourly Standby _____ T-Out 12:30
 (F) Second Final Flow 78 Mileage 180.1 120 Comments _____
 (G) Final Shut-In 202 Sampler _____
 (H) Final Hydrostatic 2,089 Straddle 600 Ruined Shale Packer _____

Initial Open 30 Ruined Packer _____
 Initial Shut-In 30 Extra Packer _____
 Final Flow 30 Extra Recorder _____
 Final Shut-In 30 Day Standby _____ Sub Total 0
 Total 2195
 Sub Total 2195 Accessibility _____ MP/DST Disc't _____

Approved By _____ Our Representative Butt

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