



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

RECEIVED

OCT 30 2015

Date: 10/27/2015
 Invoice # 1908

P.O.#:
 Due Date: 11/26/2015
 Division: Russell

Invoice

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

Reference:
 BROWNIE 2

Description of Work:
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 606.13	No				
Common-Class A	120	\$ 1,652.19	Yes				
Calcium Chloride	6	\$ 276.99	Yes				
POZ Mix-Standard	30	\$ 174.18	Yes				
Bulk Truck Matl-Material Service Charge	159	\$ 131.88	No				
Pump Truck Mileage-Job to Nearest Camp	27	\$ 123.17	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	27	\$ 78.38	No				
Premium Gel (Bentonite)	3	\$ 40.51	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 3,083.42
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (77.09)

SubTotal for Taxable Items:	\$ 2,090.27
SubTotal for Non-Taxable Items:	\$ 916.07
Total:	\$ 3,006.33
Tax:	\$ 177.67

8.50% Gove County Sales Tax

Thank You For Your Business!

Amount Due: \$ 3,184.00
Applied Payments:
Balance Due: \$ 3,184.00

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.

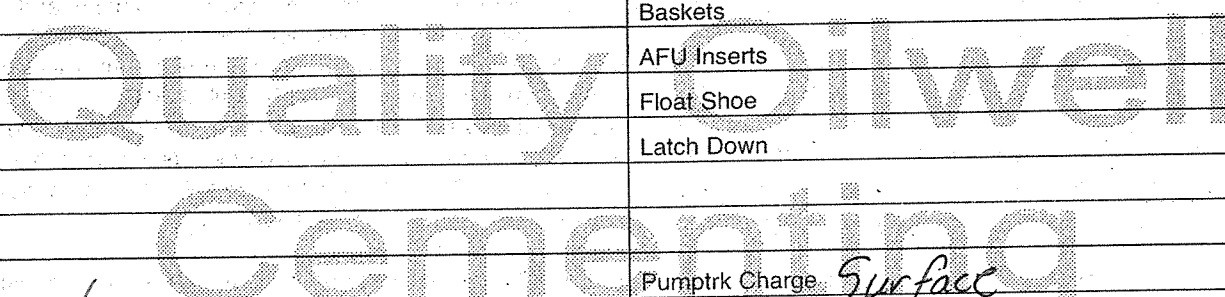
Federal Tax I.D.# 20-2886107

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

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

No. 1908

Date	Sec.	Twp.	Range	County	State	On Location	Finish
10-27-15	7	14	30	GOVE	KS		8:30pm
Lease Watt <u>Brownie</u>				Location <u>GOVE 12W 7/8 S Binto</u>			
Contractor <u>WW #2</u>			Well No. <u>#2</u>	Owner To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.			
Type Job <u>Surface</u>			Charge To <u>Pakino Petroleum</u>				
Hole Size <u>12 1/4</u>	T.D. <u>210</u>		Street				
Csg. <u>8 5/8</u>	Depth <u>209</u>		City				
Tbg. Size	Depth		State				
Tool			The above was done to satisfaction and supervision of owner agent or contractor.				
Cement Left in Csg. <u>15'</u>		Shoe Joint	Cement Amount Ordered <u>150 80/20 3 1/4 2 1/2 6 2</u>				
Meas Line		Displace <u>12 1/2 BCL</u>		Common <u>130</u>			
EQUIPMENT				Poz. Mix <u>30</u>			
Pumptrk <u>20</u>	No.	Cementer <u>Chris</u>	Gel. <u>3</u>				
		Helper	Calcium <u>6</u>				
Bulktrk	No.	Driver <u>Brett</u>	Hulls				
		Driver	Salt				
Bulktrk <u>15</u>	No.	Driver <u>Doug</u>	Flowseal				
		Driver	Kol-Seal				
JOB SERVICES & REMARKS				Mud CLR 48			
Remarks:				CFL-117 or CD110 CAF 38			
Rat Hole				Sand			
Mouse Hole				Handling <u>159</u>			
Centralizers				Mileage			
Baskets				FLOAT EQUIPMENT			
D/V or Port Collar				Guide Shoe			
<u>8 5/8 on bottom. Est. Circulation.</u>				Centralizer			
<u>Mix 150SK & Displace.</u>				Baskets			
<u>Cement Circulated!</u>				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge <u>Surface</u>			
				Mileage <u>27</u>			
				Tax			
				Discount			
				Total Charge			
Signature <u>[Signature]</u>							





P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



RECEIVED

NOV 12 2015

Invoice

DATE	INVOICE #
11/6/2015	29042

BILL TO
Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2	Brownie	Gove	WW Drilling #2	Oil	Development	Cement 5-1/2" L...	David K.
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	5.00	400.00
578D-L	Pump Charge - Long String				1	Job	1,250.00	1,250.00
409-5	5 1/2" Turbolizer				14	Each	75.00	1,050.00T
403-5	5 1/2" Cement Basket				1	Each	250.00	250.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	225.00	225.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	300.00	300.00T
404-5	5 1/2" Port Collar				1	Each	2,500.00	2,500.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
325	Standard Cement				100	Sacks	12.25	1,225.00T
284	Calseal				5	Sack(s)	30.00	150.00T
283	Salt				500	Lb(s)	0.20	100.00T
285	CFR-1				50	Lb(s)	4.50	225.00T
276	Flocele				50	Lb(s)	2.25	112.50T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	15.75	1,968.75T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
290	D-Air				2	Gallon(s)	42.00	84.00T
581D	Service Charge Cement				225	Sacks	1.50	337.50
583D	Drayage				916.2	Ton Miles	0.75	687.15
	Subtotal							11,789.90
	Sales Tax Gove County						8.50%	774.80

We Appreciate Your Business!

Total

\$12,564.70



CHARGE TO: Palomina Petroleum
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET 29042

PAGE 1 OF 2

SERVICE LOCATIONS
 1. Ness City KS WELL/PROJECT NO. #2 LEASE Braconie COUNTY/PARISH Gore STATE KS CITY Gore DATE 11-6-15 OWNER Same
 2. TICKET TYPE SERVICE SALES CONTRACTOR World Drilling RIG NAME/NO. #2 SHIPPED VIA MT DELIVERED TO Location ORDER NO.
 3. WELL TYPE Oil WELL CATEGORY Development JOB PURPOSE Cement 5 1/2" Longstring WELL PERMIT NO. WELL LOCATION Gore-10s, 10wy 2by E. mb
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC ACCT DF	DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
575			MILEAGE Trk # 112			80	mi	5.00	400.00
578			Pump Charge - Longstring	1	job	5 1/2	in	1250.00	1250.00
409			Turbolizer	5 1/2	in	14	ea	75.00	1050.00
403			Cement Basket	5 1/2	in	1	ea	250.00	250.00
406			Latch Down Plug + Baffle	5 1/2	in	1	ea	225.00	225.00
407			Insert Flood Shoe w/ Ann Fill	5 1/2	in	1	ea	300.00	300.00
404			Port Collet	5 1/2	in	1	ea	2500.00	2500.00
419			Rotating Head Renhal	5 1/2	in	1	job	200.00	200.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.
 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS
 X Alan Winkler
 DATE SIGNED 11-6-15 TIME SIGNED 1500 P.M.
 REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300
 SURVEY
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE? YES NO
 CUSTOMER DID NOT WISH TO RESPOND
 PAGE TOTAL #1 6175.00
 PAGE TOTAL #2 5614.90
 SUBTOTAL 11,789.90
 GORE TAX 8.57% 774.80
 TOTAL 12,564.70
 SWIFT OPERATOR David Kushn APPROVAL
 CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.
 Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 291042

CUSTOMER: Palomino Petroleum #2
WELL: Brownie #2
DATE: 11-6-15
PAGE: 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				UNIT PRICE	AMOUNT	
		LOC	ACCT	DF			QTY	U/M	QTY	U/M			
325						Standard Cement (EA-1)			100	sk	12	35	1225.00
284						Celcel			5	sk	30	.00	150.00
283						Sulf			101%	500	lbs	00.20	100.00
285						CFR-1			1/2 %	50	lbs	4.50	225.00
276						Flocele			1/4 lb	50	lbs	2.25	112.50
330						S4D Cement				125	sk	15.75	1968.75
221						Liquid KCL			4	gal	25	.00	100.00
281						Mud Flush			500	gal	1.25	.00	625.00
290						D-Air			2	gal	42	.00	84.00
581						SERVICE CHARGE			225		1	50	337.50
583						MILEAGE TOTAL CHARGE			229.05		0	75	687.15
						LOADED MILES			80				
						CUBIC FEET							
						TON MILES			916.2				
											CONTINUATION TOTAL	5614.90	

JOB LOG

SWIFT Services, Inc.

DATE 11-6-15 PAGE NO.

CUSTOMER Palomino Petroleum WELL NO. #2 LEASE Brownie JOB TYPE Cement 5 1/2" Longstring TICKET NO. 29042

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1230							On Location 5 1/2" 14"
								RTD- 4621' LTD- 4621' TP- 4623' Set- 4619' SS- "4 31.22' P.C.- 157 2228' Turbo- "4"6"8"10"12"13"14"15"17"18"19"21"23"56 Basket- "57 Out- "2"107"108
	1410							Start 5 1/2" 14" casing in well
	1550							Drop Ball Circulate *Rotate*
	1655	6 1/2	12		✓	350	Pump 500 gal Mud Flush	
		6 1/2	20		✓	350	Pump 20 bbl KCL Flush	
			11-7					Plug RH-MH (30-20)
	1505	4 1/2	29		✓	250	mix 75 sks SMD @ 12.5 fpg	
		4 1/2	24		✓	250	mix 100 sks EA-2 @ 15.5 fpg	
								Washout Pump + Lines Release Latch Down Plug
	1520	6 1/2	0		✓	100	Start Displacement	
		6 1/2	88		✓	300	Lift Pressure	
		6 1/2	110		✓	850	Max Lift Pressure	
	1740	6 1/2	112		✓	1600	Land Latch Down Plug	
								Release Pressure *Plug Hold*
								Wash up Truck
	1815							Job Complete
								Thank You Duce Cole Tyler



P. O. Box 466
 Ness City, KS 67560
 Off: 785-798-2300



RECEIVED

NOV 16 2015

Invoice

DATE	INVOICE #
11/12/2015	29045

BILL TO
Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2	Brownie	Gove	Express Well Serv...	Oil	Development	Cement 5-1/2" P...	David K.

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	80	Miles	5.00	400.00
576D-D	Pump Charge - Port Collar	1	Job	1,250.00	1,250.00
330	Swift Multi-Density Standard (MIDCON II)	145	Sacks	15.75	2,283.75T
276	Flocele	35	Lb(s)	2.25	78.75T
290	D-Air	2	Gallon(s)	42.00	84.00T
105	5 1/2" Port Collar Tool Rental With Man	1	Each	275.00	275.00T
581D	Service Charge Cement	275	Sacks	1.50	412.50
583D	Drayage	1,093	Ton Miles	0.75	819.75
	Subtotal				5,603.75
	Sales Tax Gove County			8.50%	231.33

We Appreciate Your Business!	Total	\$5,835.08
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CHARGE TO: Pelomino Petroleum
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET 29045

PAGE 1 OF 1

1. SERVICE LOCATIONS <u>Ness City KS</u>	WELL/PROJECT NO. <u>H2</u>	LEASE <u>Brownie</u>	COUNTY/PARISH <u>Gore</u>	STATE <u>KS</u>	CITY <u>Gore</u>	DATE <u>11-12-15</u>	OWNER <u>Same</u>
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Express</u>	WELL SERVICE <u>Well Service</u>	RIG NAME/NO.	SHIPPED VIA <u>ET</u>	DELIVERED TO <u>Location</u>	ORDER NO.	
3. WELL TYPE <u>O:1</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Cement 5 1/2" Port Collar</u>		WELL PERMIT NO.		WELL LOCATION <u>Gore KS - 10s, 10y, 2y End</u>	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE			80	mi	5.00	400.00
576 D		1			Pump Charge - Port Collar			1	job	1250.00	1250.00
330		1			SMD Cement			145	sls	15.75	2283.75
276		1			Fluocel			1/4	lb	2.25	78.75
290		1			D-Air			2	gal	42.00	84.00
105		1			Port Collar Tool Rental			5 1/2	in	275.00	275.00
581		1			Service Charge Cement			275	sls	1.50	412.50
583		1			Drayage			2735	lbs	0.75	819.75

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY**, and **LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X Blair Lambert
 DATE SIGNED 11-12-15 TIME SIGNED 11:30 A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 5603.75

TOTAL 5835.08

GORE TAX 231.33
 8.05%

SWIFT OPERATOR David Kuehn APPROVAL _____

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

Thank You!

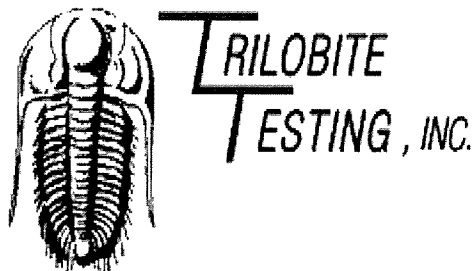
JOB LOG

SWIFT Services, Inc.

DATE 11-12-15 PAGE NO.

CUSTOMER Palomino Petroleum WELL NO. #2 LEASE Brownie JOB TYPE Cement 5 1/2" Port Collar TICKET NO. 29045

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAS)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0945							on Location
								P.C. - 2228' 2 3/8" x 5 1/2"
	1000	∅	∅		✓	1000		Pressure Test * Hold *
								Open Port Collar
	1010	3 1/2	5		✓	400		Injection Rate
	1015	3 1/2	80		✓	300		mix 145 sks SMD w/ 1/4" Flo @ 11.2 ppg circulate cement to pit * 20 sks *
		3 1/2	8		✓	450		Displace Cement
	1045	∅	∅		✓	1000		close Port Collar Pressure Test * Hold *
								Run 5 jts
	1055	3 1/2	25		✓	350		Reverse Clean * 145 sks total * * 20 sks pit *
								wash up truck
	1130							Job Complete
								Thank You Dave John Issac



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114-8827

ATTN: Ryan Seib

Brownie #2

7-14s-30w Gove,KS

Start Date: 2015.10.31 @ 12:15:44

End Date: 2015.10.31 @ 17:55:44

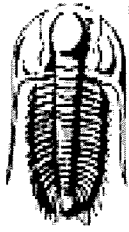
Job Ticket #: 45519 DST #: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.11.06 @ 10:30:36



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

ATTN: Ryan Seib

7-14s-30w Gove,KS

Brownie #2
Job Ticket: 45519 **DST#: 1**
Test Start: 2015.10.31 @ 12:15:44

GENERAL INFORMATION:

Formation: **Toronto**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:02:59
Time Test Ended: 17:55:44

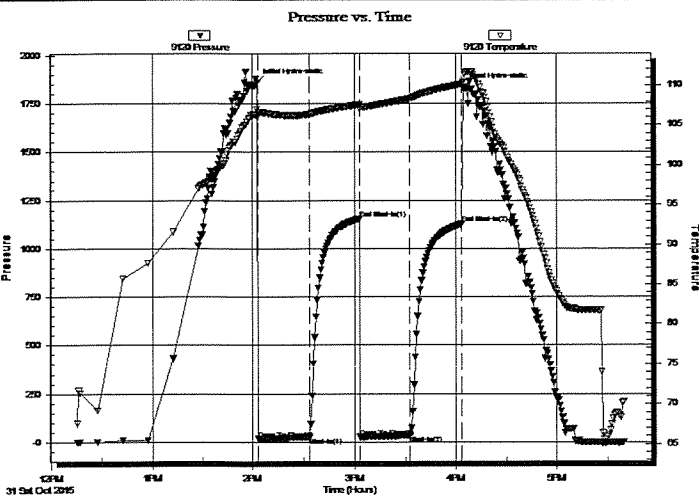
Interval: **3833.00 ft (KB) To 3873.00 ft (KB) (TVD)**
Total Depth: 3873.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane McBride
Unit No: 84

Reference Elevations: 2795.00 ft (KB)
2790.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 9120 Outside
Press@RunDepth: 34.56 psig @ 3834.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.10.31 End Date: 2015.10.31 Last Calib.: 2015.10.31
Start Time: 12:15:44 End Time: 17:39:44 Time On Btm: 2015.10.31 @ 14:02:44
Time Off Btm: 2015.10.31 @ 16:04:14

TEST COMMENT: 1/4" blow died in 24 min.
No return
Surface blow died in 6 min.
No return



PRESSURE SUMMARY

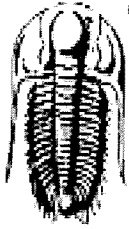
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1861.39	106.95	Initial Hydro-static
1	16.68	106.00	Open To Flow (1)
31	25.53	106.31	Shut-In(1)
60	1154.97	107.57	End Shut-In(1)
60	26.28	107.00	Open To Flow (2)
90	34.56	108.28	Shut-In(2)
121	1127.87	110.14	End Shut-In(2)
122	1832.84	110.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%m	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

7-14s-30w Gove,KS
Brownie #2
Job Ticket: 45519 **DST#: 1**
Test Start: 2015.10.31 @ 12:15:44

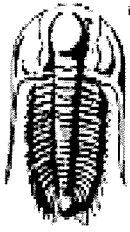
Tool Information

Drill Pipe:	Length: 3700.00 ft	Diameter: 3.80 inches	Volume: 51.90 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 52.48 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	3833.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	68.00 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			3806.00	
Shut In Tool	5.00			3811.00	
Hydraulic tool	5.00			3816.00	
Jars	5.00			3821.00	
Safety Joint	3.00			3824.00	
Packer	5.00			3829.00	28.00 Bottom Of Top Packer
Packer	4.00			3833.00	
Stubb	1.00			3834.00	
Recorder	0.00	9120	Outside	3834.00	
Recorder	0.00	8938	Inside	3834.00	
Perforations	34.00			3868.00	
Bullnose	5.00			3873.00	40.00 Bottom Packers & Anchor

Total Tool Length: 68.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

7-14s-30w Gove,KS
Brownie #2
Job Ticket: 45519 **DST#: 1**
Test Start: 2015.10.31 @ 12:15:44

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: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.17 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1600.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%m	0.049

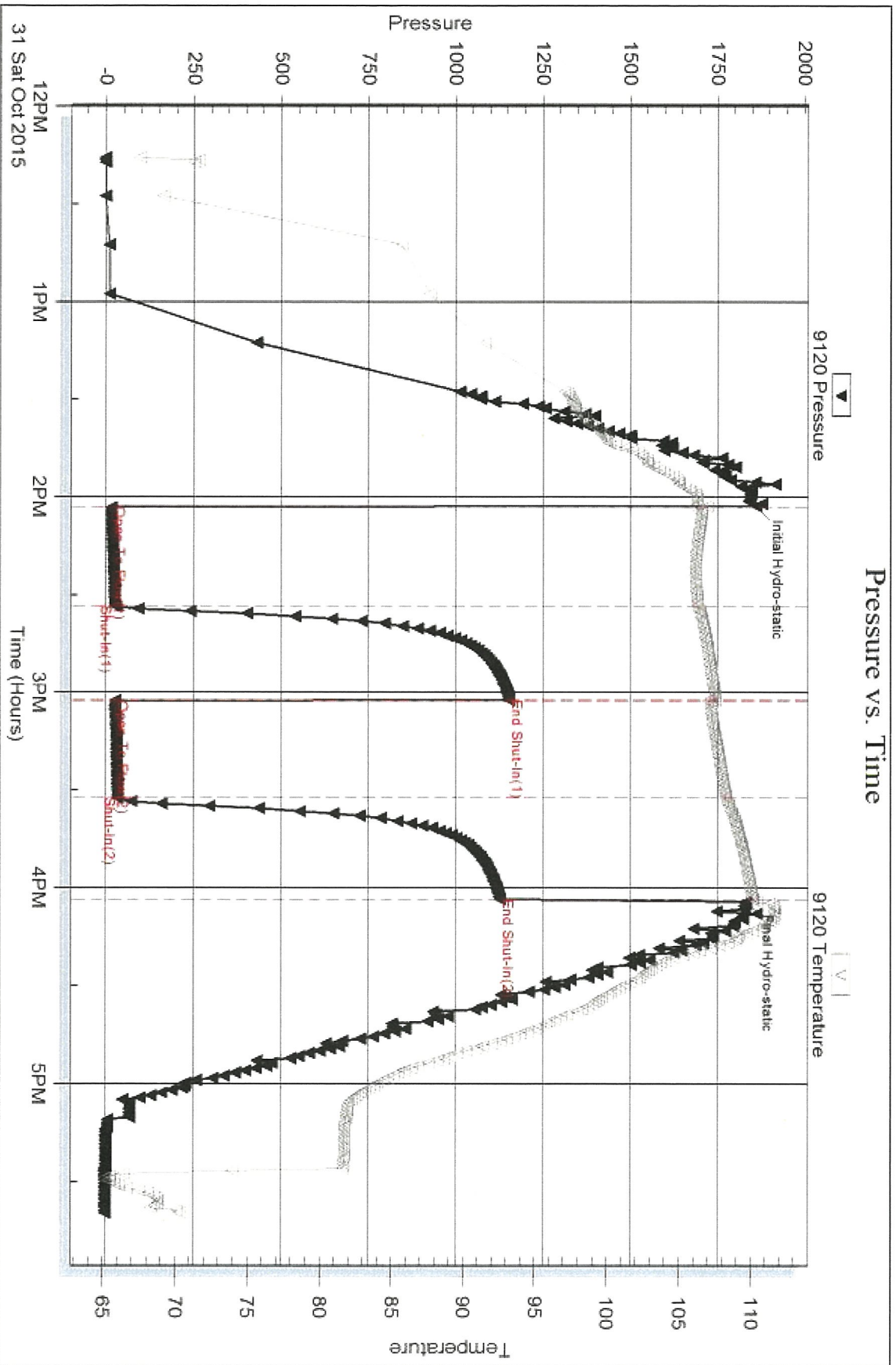
Total Length: 10.00 ft Total Volume: 0.049 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 9120

Outside Palomino Petroleum Inc

Brownie #2

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 45519

Printed: 2015 11:06 @ 10:30:37

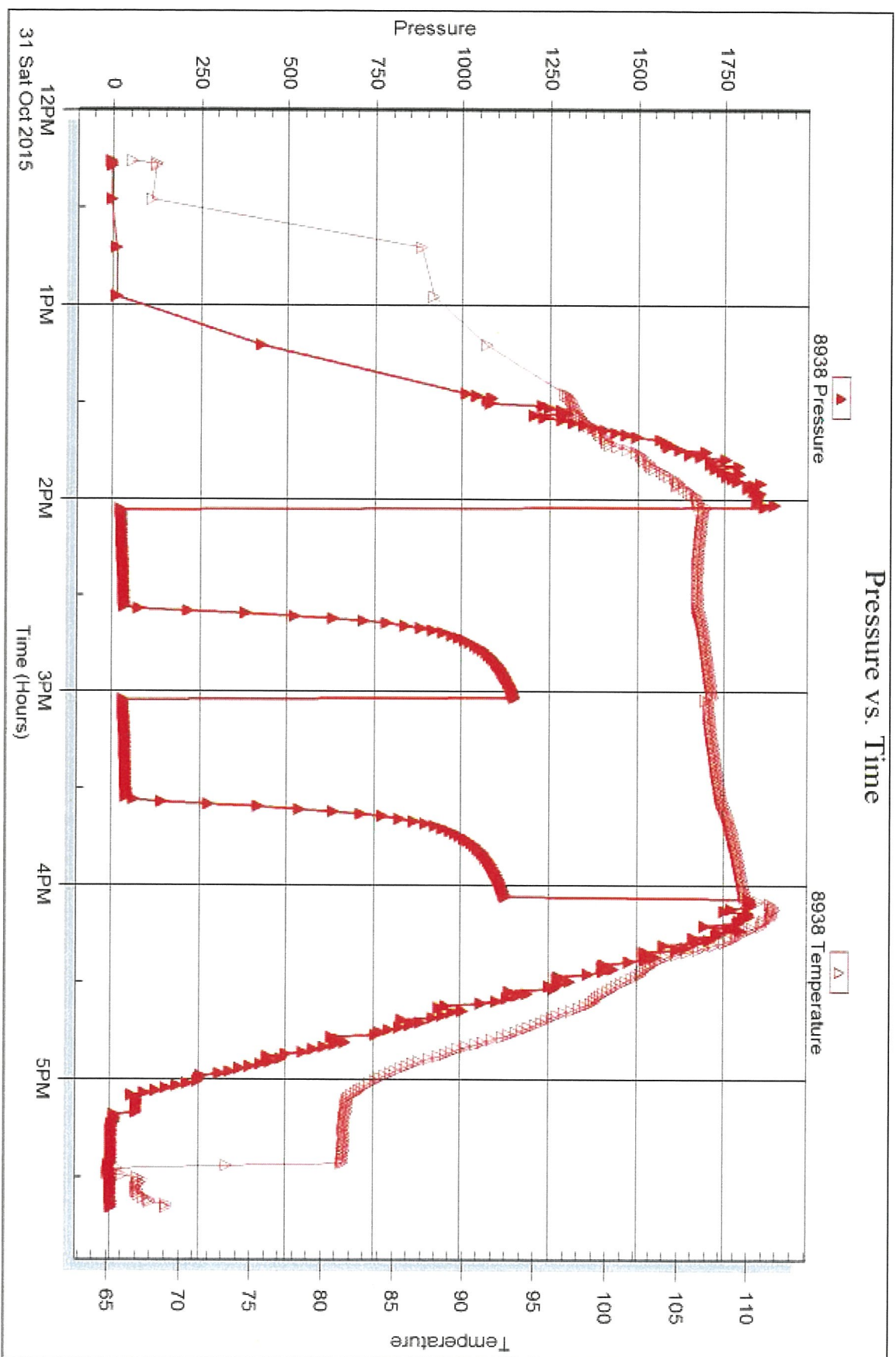
Serial #: 8938

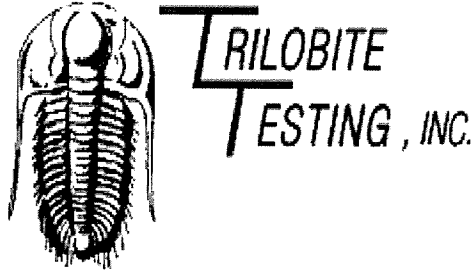
Inside

Palomino Petroleum Inc

Brow nie #2

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114-8827

ATTN: Ryan Seib

Brownie #2

7-14s-30w Gove,KS

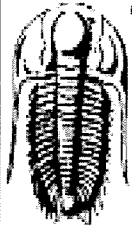
Start Date: 2015.10.31 @ 23:35:00

End Date: 2015.11.01 @ 04:37:39

Job Ticket #: 64603 DST #: 2

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

Printed: 2015.11.06 @ 10:30:12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

ATTN: Ryan Seib

7-14s-30w Gove,KS
Brownie #2
Job Ticket: 64603 **DST#: 2**
Test Start: 2015.10.31 @ 23:35:00

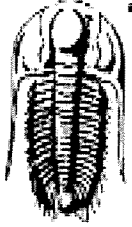
Tool Information

Drill Pipe:	Length: 3730.00 ft	Diameter: 3.80 inches	Volume: 52.32 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 52.91 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.50 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	3871.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	56.50 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			3844.50	
Shut In Tool	5.00			3849.50	
Hydraulic tool	5.00			3854.50	
Jars	5.00			3859.50	
Safety Joint	2.50			3862.00	
Packer	5.00			3867.00	27.50 Bottom Of Top Packer
Packer	4.00			3871.00	
Stubb	1.00			3872.00	
Perforations	1.00			3873.00	
Recorder	0.00	8357	Inside	3873.00	
Recorder	0.00	6751	Outside	3873.00	
Perforations	24.00			3897.00	
Bullnose	3.00			3900.00	29.00 Bottom Packers & Anchor

Total Tool Length: 56.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

7-14s-30w Gove,KS
Brownie #2
Job Ticket: 64603 **DST#: 2**
Test Start: 2015.10.31 @ 23:35:00

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:	54.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	7.17 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

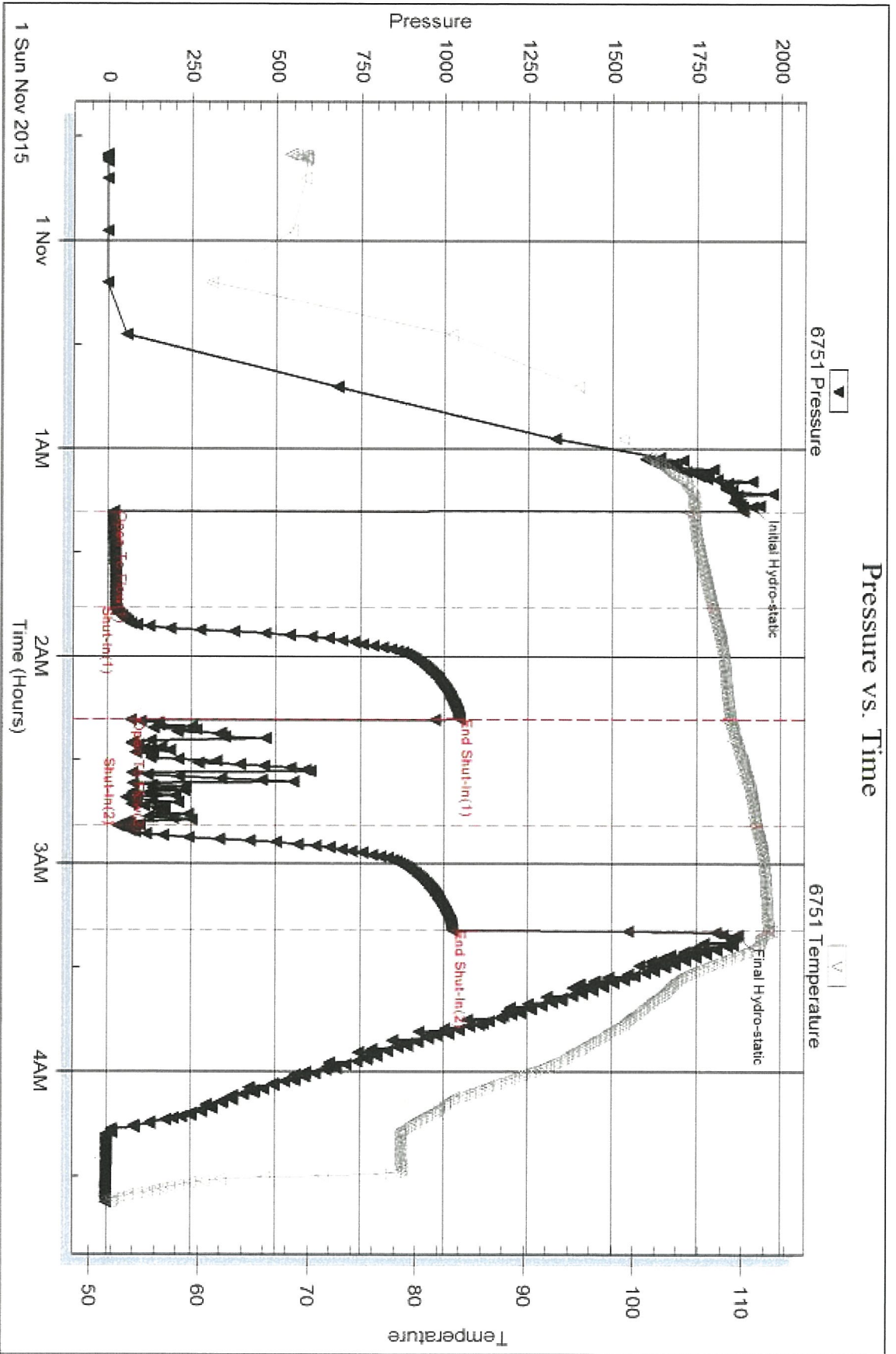
Length ft	Description	Volume bbl
30.00	OSM 100m	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:



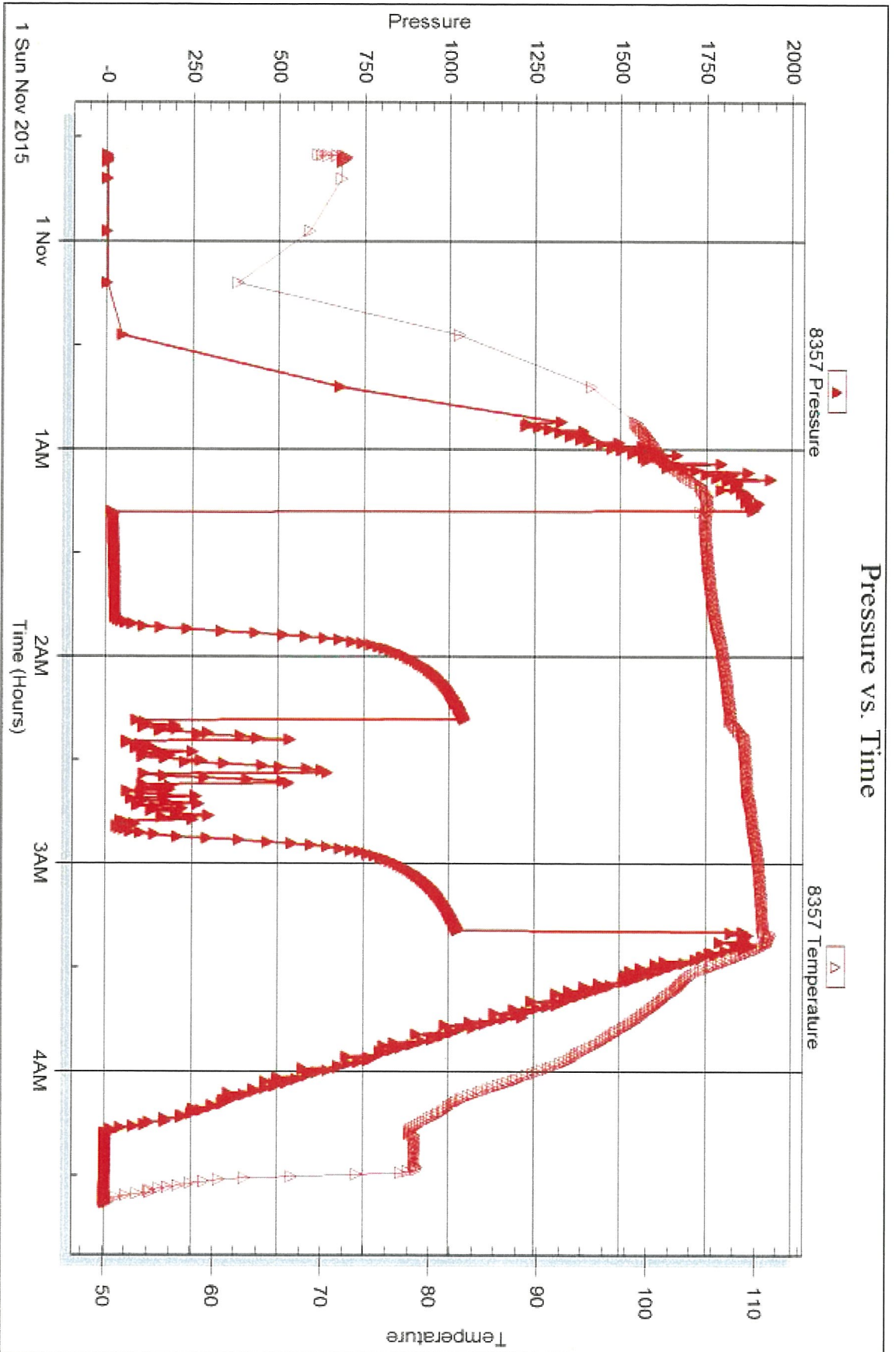
Serial #: 8357

Inside

Palomino Petroleum Inc

Brow n/e #2

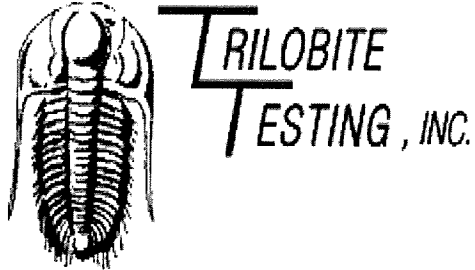
DST Test Number: 2



Tribble Testing, Inc

Ref. No: 64603

Printed 2015 11 06 @ 10:30:13



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114-8827

ATTN: Ryan Seib

Brownie #2

7-14s-30w Gove,KS

Start Date: 2015.11.01 @ 09:55:00

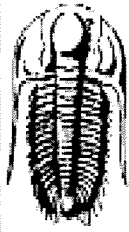
End Date: 2015.11.01 @ 15:22:20

Job Ticket #: 64604 DST #: 3

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

Printed: 2015.11.06 @ 10:29:49

Palomino Petroleum Inc
7-14s-30w Gove,KS
Brownie #2
DST # 3
LKC-C
2015.11.01



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

7-14s-30w Gove, KS
Brownie #2
Job Ticket: 64604 **DST#: 3**
Test Start: 2015.11.01 @ 09:55:00

GENERAL INFORMATION:

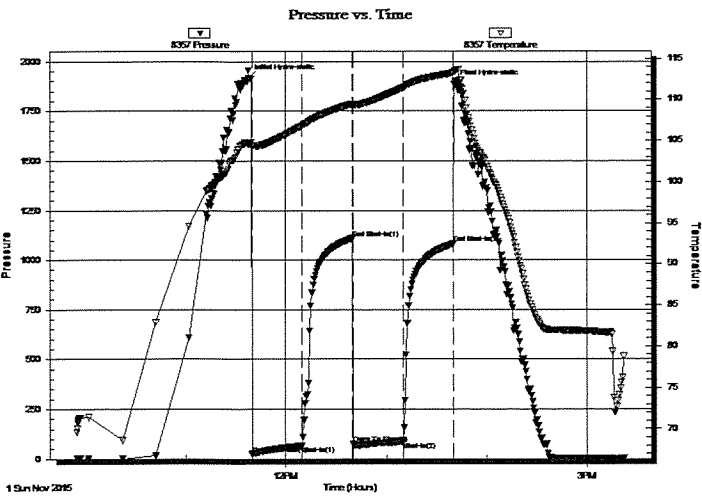
Formation: **LKC 'C'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:40:00
Time Test Ended: 15:22:20
Test Type: Conventional Bottom Hole (Reset)
Tester: Chuck Smith
Unit No: 61
Interval: **3894.00 ft (KB) To 3935.00 ft (KB) (TVD)**
Reference Elevations: 2795.00 ft (KB)
Total Depth: 3935.00 ft (KB) (TVD) 2790.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8357

Inside

Press@RunDepth: 86.88 psig @ 3899.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.11.01 End Date: 2015.11.01 Last Calib.: 2015.11.01
Start Time: 09:55:02 End Time: 15:22:19 Time On Btm: 2015.11.01 @ 11:37:50
Time Off Btm: 2015.11.01 @ 13:40:20

TEST COMMENT: 30- 9" Blow .
30- Weak surface return.
30- 10" Blow .
30- Weak surface return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1916.03	104.57	Initial Hydro-static
3	23.38	104.25	Open To Flow (1)
32	65.17	106.78	Shut-In(1)
62	1109.05	109.48	End Shut-In(1)
62	74.15	109.24	Open To Flow (2)
92	86.88	111.43	Shut-In(2)
122	1081.42	113.25	End Shut-In(2)
123	1884.40	113.47	Final Hydro-static

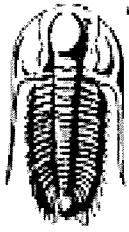
Recovery

Length (ft)	Description	Volume (bbl)
60.00	WOCM 3w 25o 72m	0.30
105.00	GMCO 5g 45m 50o	0.93

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

ATTN: Ryan Seib

7-14s-30w Gove,KS
Brownie #2
Job Ticket: 64604 **DST#: 3**
Test Start: 2015.11.01 @ 09:55:00

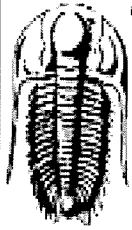
Tool Information

Drill Pipe:	Length: 3762.00 ft	Diameter: 3.80 inches	Volume: 52.77 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 53.36 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.50 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	3894.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	41.00 ft			
Tool Length:	68.50 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			3867.50	
Shut In Tool	5.00			3872.50	
Hydraulic tool	5.00			3877.50	
Jars	5.00			3882.50	
Safety Joint	2.50			3885.00	
Packer	5.00			3890.00	27.50 Bottom Of Top Packer
Packer	4.00			3894.00	
Stubb	1.00			3895.00	
Perforations	4.00			3899.00	
Recorder	0.00	8357	Inside	3899.00	
Recorder	0.00	6751	Outside	3899.00	
Change Over Sub	1.00			3900.00	
Drill Pipe	31.00			3931.00	
Change Over Sub	1.00			3932.00	
Bullnose	3.00			3935.00	41.00 Bottom Packers & Anchor

Total Tool Length: 68.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

7-14s-30w Gove,KS
Brownie #2
Job Ticket: 64604 **DST#: 3**
Test Start: 2015.11.01 @ 09:55:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 8.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.16 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1700.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	WOCM 3w 25o 72m	0.295
105.00	GMCO 5g 45m 50o	0.926

Total Length: 165.00 ft Total Volume: 1.221 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: not enough water to get an RW reading

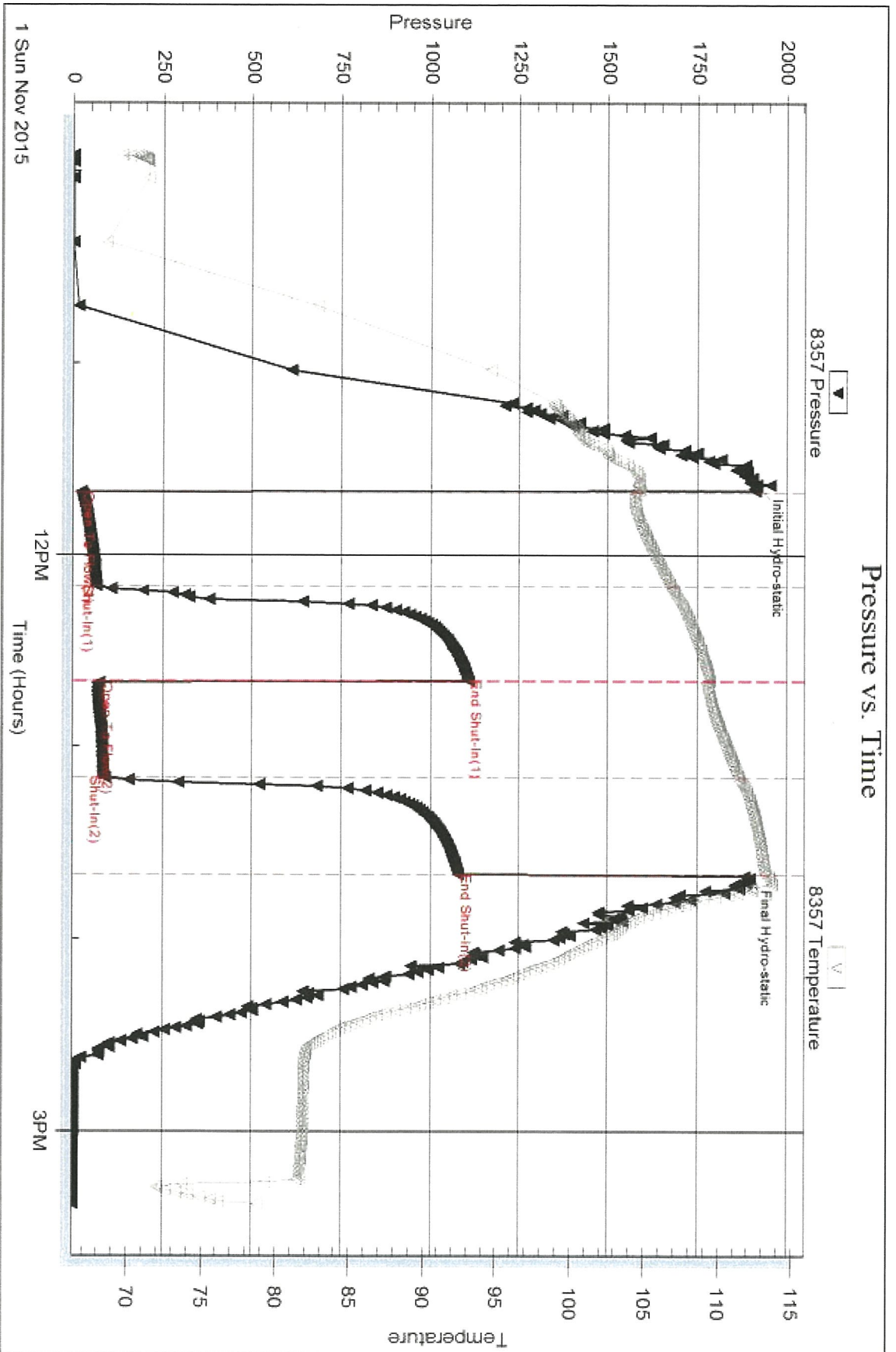
Serial #: 8357

Inside

Palomino Petroleum Inc

Brown #2

CST Test Number: 3



Tribolite Testing, Inc

Ref. No: 64604

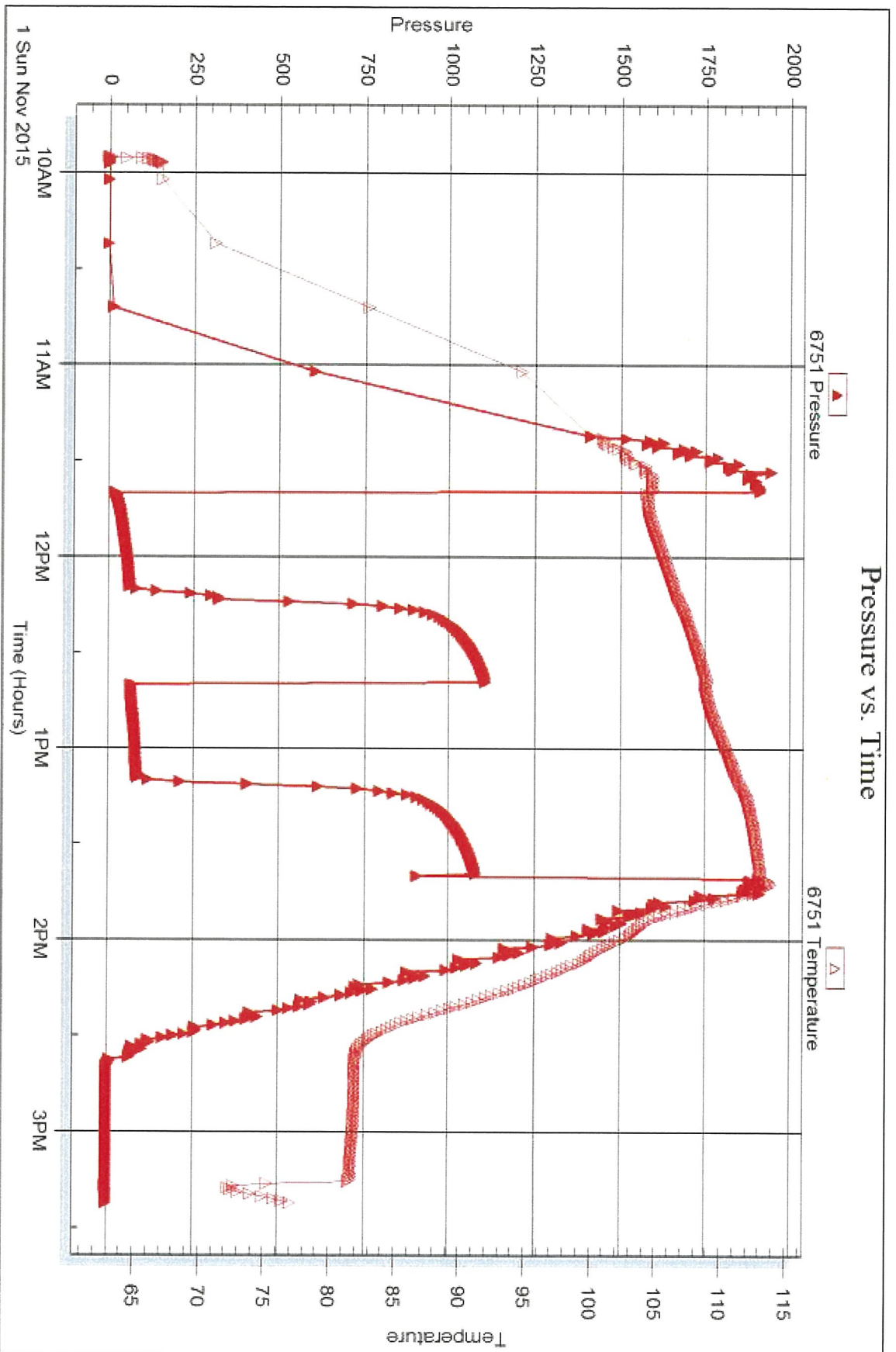
Printed: 2015 11 06 @ 10:29:51

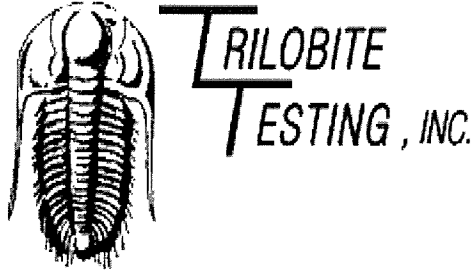
Serial #: 6751

Outside Palomino Petroleum Inc

Brow ne #2

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114-8827

ATTN: Ryan Seib

Brownie #2

7-14s-30w Gove,KS

Start Date: 2015.11.01 @ 23:42:00

End Date: 2015.11.02 @ 05:17:20

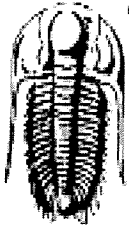
Job Ticket #: 64605 DST #: 4

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.11.06 @ 10:29:25



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

7-14s-30w Gove,KS

Brownie #2

Job Ticket: 64605

DST#: 4

Test Start: 2015.11.01 @ 23:42:00

GENERAL INFORMATION:

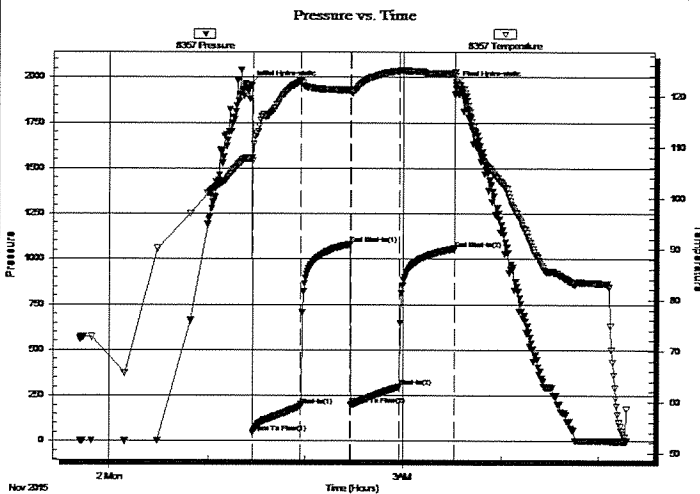
Formation: **LKC 'D-F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:27:20
 Time Test Ended: 05:17:20
 Interval: **3940.00 ft (KB) To 4000.00 ft (KB) (TVD)**
 Total Depth: 4000.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chuck Smith
 Unit No: 61
 Reference Elevations: 2795.00 ft (KB)
 2790.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8357

Inside

Press@RunDepth: 299.63 psig @ 3942.00 ft (KB)
 Start Date: 2015.11.01 End Date: 2015.11.02
 Start Time: 23:42:02 End Time: 05:17:19
 Capacity: 8000.00 psig
 Last Calib.: 2015.11.02
 Time On Btm: 2015.11.02 @ 01:25:40
 Time Off Btm: 2015.11.02 @ 03:31:40

TEST COMMENT: 30- B.O.B. @ 7 1/2 min.
 30- Weak surface return, died @ 20 min.
 30- B.O.B. @ 11 min.
 30- 1/2" return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1960.44	107.87	Initial Hydro-static
2	44.66	107.33	Open To Flow (1)
32	191.95	122.98	Shut-In(1)
62	1081.00	121.24	End Shut-In(1)
62	198.40	120.92	Open To Flow (2)
92	299.63	124.99	Shut-In(2)
126	1057.19	124.48	End Shut-In(2)
126	1960.81	123.98	Final Hydro-static

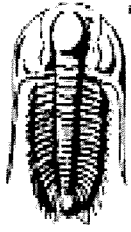
Recovery

Length (ft)	Description	Volume (bbl)
244.00	OCMW 5o 10m 85w	2.33
248.00	GOMCW 10g 20o 20m 50w	3.48
155.00	GMVEmulsion 10g 10m 30w 50Emulsion	2.17
0.00	150' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

ATTN: Ryan Seib

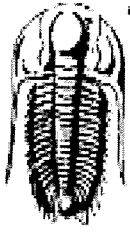
7-14s-30w Gove,KS
Brownie #2
Job Ticket: 64605 **DST#: 4**
Test Start: 2015.11.01 @ 23:42:00

Tool Information

Drill Pipe:	Length: 3824.00 ft	Diameter: 3.80 inches	Volume: 53.64 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 54.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.50 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	3940.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	60.00 ft			
Tool Length:	87.50 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			3913.50	
Shut In Tool	5.00			3918.50	
Hydraulic tool	5.00			3923.50	
Jars	5.00			3928.50	
Safety Joint	2.50			3931.00	
Packer	5.00			3936.00	27.50 Bottom Of Top Packer
Packer	4.00			3940.00	
Stubb	1.00			3941.00	
Perforations	1.00			3942.00	
Recorder	0.00	8357	Inside	3942.00	
Recorder	0.00	6751	Outside	3942.00	
Perforations	22.00			3964.00	
Change Over Sub	1.00			3965.00	
Drill Pipe	31.00			3996.00	
Change Over Sub	1.00			3997.00	
Bullnose	3.00			4000.00	60.00 Bottom Packers & Anchor
Total Tool Length:	87.50				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

7-14s-30w Gove,KS
Brownie #2
Job Ticket: 64605 **DST#: 4**
Test Start: 2015.11.01 @ 23:42:00

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:	100000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.17 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1700.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
244.00	OCMW 5o 10m 85w	2.330
248.00	GOMCW 10g 20o 20m 50w	3.479
155.00	GMWEmulsion 10g 10m 30w 50Emulsion	2.174
0.00	150' GIP	0.000

Total Length: 647.00 ft Total Volume: 7.983 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW: .135 @ 40 Degrees F = 100000 PPM

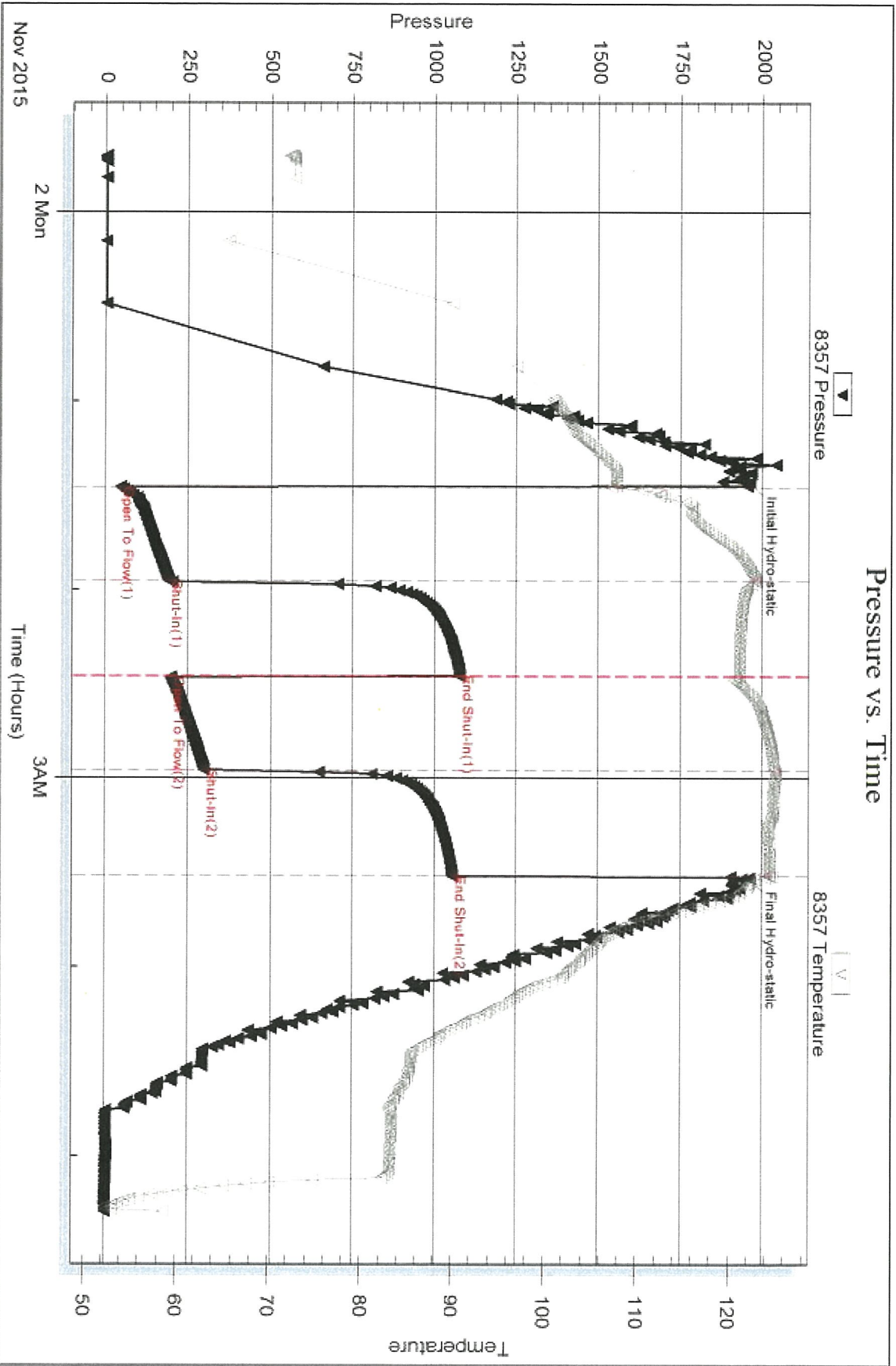
Serial #: 8357

Inside

Palomino Petroleum Inc

Brown #2

DST Test Number: 4



Tribble Testing, Inc

Ref. No: 64605

Printed: 2015 11 06 @ 10:29:26

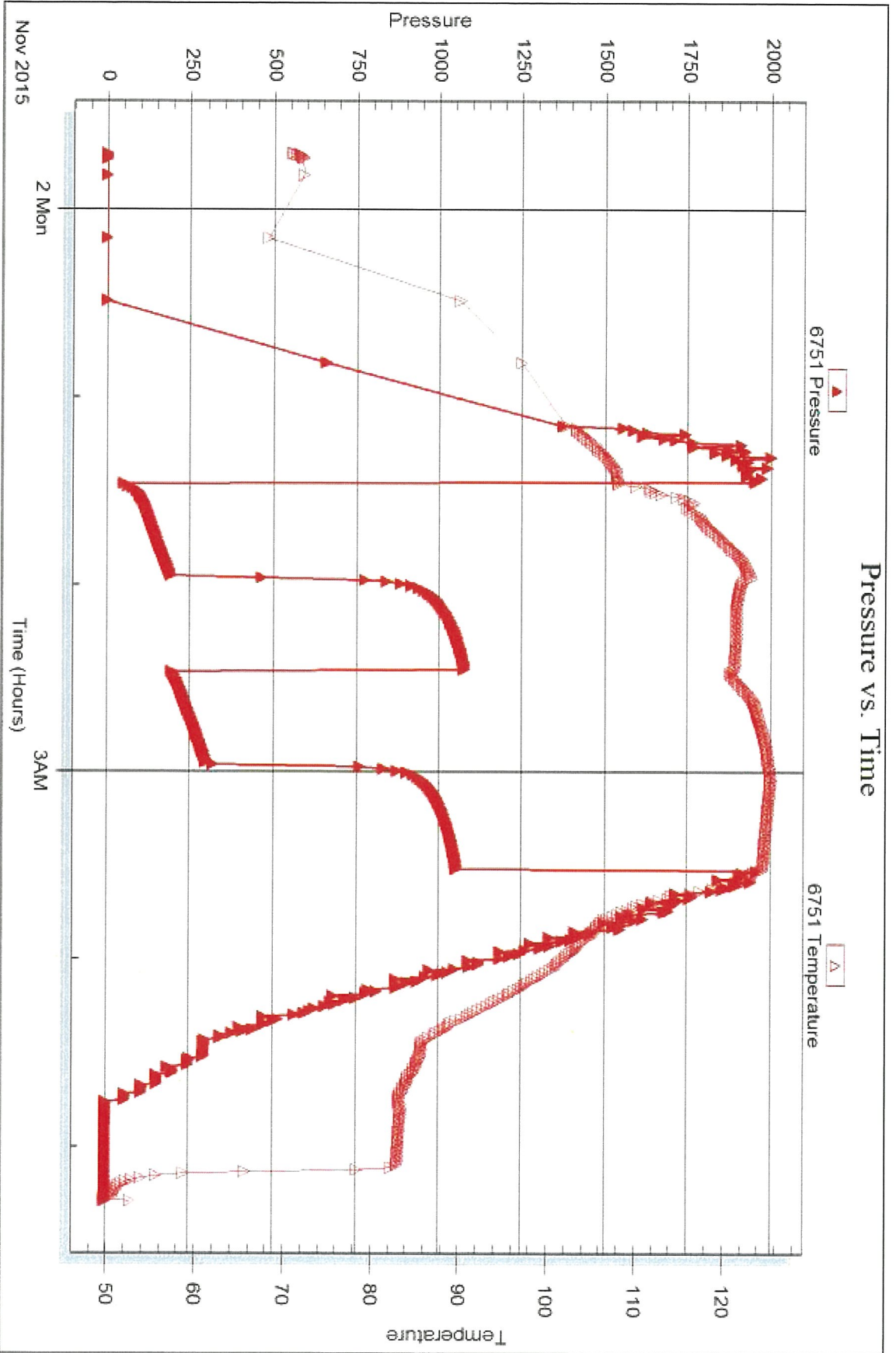
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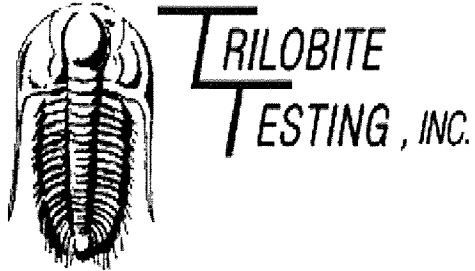
Outside

Palomino Petroleum Inc

Brow file #2

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114-8827

ATTN: Ryan Seib

Brownie #2

7-14s-30w Gove,KS

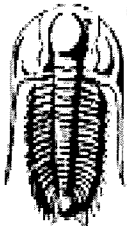
Start Date: 2015.11.02 @ 14:40:00

End Date: 2015.11.02 @ 20:57:30

Job Ticket #: 64606 DST #: 5

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

Printed: 2015.11.06 @ 10:28:40



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc
4924 SE 84th St
Newton, KS 67114-8827

ATTN: Ryan Seib

7-14s-30w Gove, KS
Brownie #2
Job Ticket: 64606 **DST#: 5**
Test Start: 2015.11.02 @ 14:40:00

GENERAL INFORMATION:

Formation: **LKC 'H - I'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:21:40
Time Test Ended: 20:57:30
Test Type: Conventional Bottom Hole (Reset)
Tester: Chuck Smith
Unit No: 61

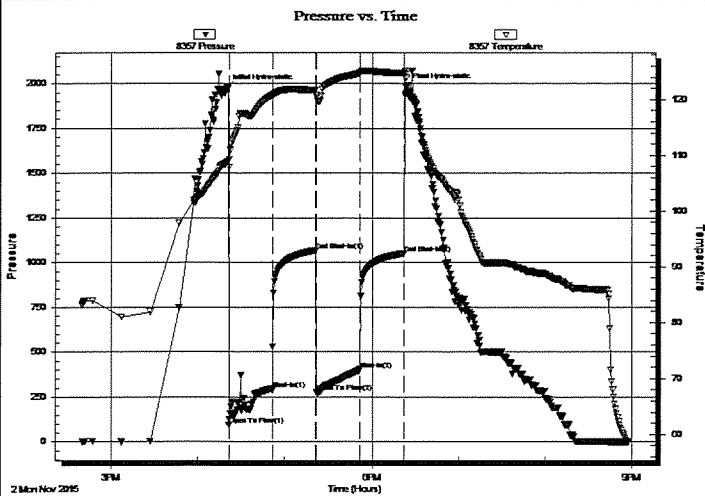
Interval: **4021.00 ft (KB) To 4088.00 ft (KB) (TVD)**
Total Depth: 4088.00 ft (KB) (TVD)
Reference Elevations: 2795.00 ft (KB)
2790.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good
KB to GR/CF: 5.00 ft

Serial #: 8357

Inside

Press@RunDepth: 399.39 psig @ 4023.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.11.02 End Date: 2015.11.02 Last Calib.: 2015.11.02
Start Time: 14:40:02 End Time: 20:57:30 Time On Btm: 2015.11.02 @ 16:20:00
Time Off Btm: 2015.11.02 @ 18:23:30

TEST COMMENT: 30- B.O.B. @ 3 min.
30- B.O.B. @ 9 min.
30- B.O.B. @ 4 min.
30- B.O.B. @ 7 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1974.48	108.68	Initial Hydro-static
2	94.66	107.92	Open To Flow (1)
32	290.90	120.72	Shut-In(1)
62	1068.54	121.63	End Shut-In(1)
62	278.30	120.71	Open To Flow (2)
92	399.39	124.71	Shut-In(2)
122	1051.72	124.71	End Shut-In(2)
124	1980.48	123.89	Final Hydro-static

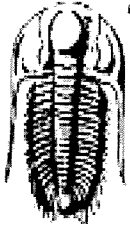
Recovery

Length (ft)	Description	Volume (bbl)
0.00	2460' Weak GIP	0.00
244.00	GWOCM 15g 10w 30o 45m	2.33
496.00	GMCO 20g 20m 60o	6.96
215.00	GMCO 50g 10m 40o	3.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

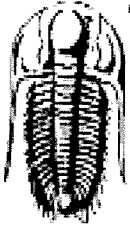
Palomino Petroleum Inc
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Ryan Seib

7-14s-30w Gove,KS
Brownie #2
Job Ticket: 64606 **DST#: 5**
Test Start: 2015.11.02 @ 14:40:00

Tool Information

Drill Pipe:	Length: 3887.00 ft	Diameter: 3.80 inches	Volume: 54.52 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 78000.00 lb
			<u>Total Volume: 55.11 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.50 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4021.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	67.00 ft			
Tool Length:	94.50 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			3994.50	
Shut In Tool	5.00			3999.50	
Hydraulic tool	5.00			4004.50	
Jars	5.00			4009.50	
Safety Joint	2.50			4012.00	
Packer	5.00			4017.00	27.50 Bottom Of Top Packer
Packer	4.00			4021.00	
Stubb	1.00			4022.00	
Perforations	1.00			4023.00	
Recorder	0.00	8357	Inside	4023.00	
Recorder	0.00	6751	Outside	4023.00	
Perforations	29.00			4052.00	
Change Over Sub	1.00			4053.00	
Drill Pipe	31.00			4084.00	
Change Over Sub	1.00			4085.00	
Bullnose	3.00			4088.00	67.00 Bottom Packers & Anchor
Total Tool Length:	94.50				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

ATTN: Ryan Seib

7-14s-30w Gove,KS
Brownie #2
Job Ticket: 64606 **DST#: 5**
Test Start: 2015.11.02 @ 14:40:00

Mud and Cushion Information

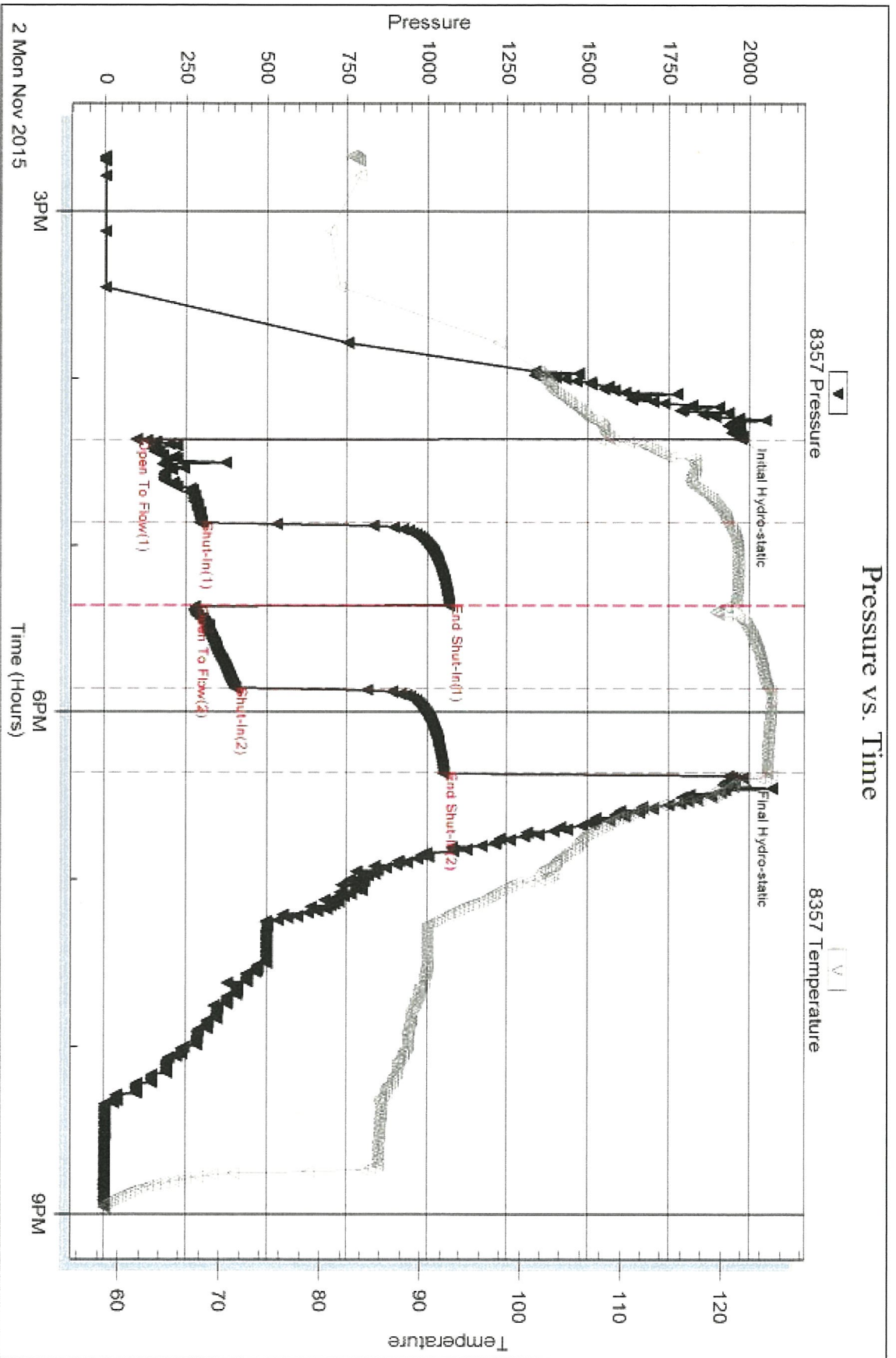
Mud Type: Gel Chem	Cushion Type:	Oil API: 40 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 56000 ppm
Viscosity: 67.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.38 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2600.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	2460' Weak GIP	0.000
244.00	GWOCM 15g 10w 30o 45m	2.330
496.00	GMCO 20g 20m 60o	6.958
215.00	GMCO 50g 10m 40o	3.016

Total Length: 955.00 ft Total Volume: 12.304 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW: .210 @ 47 Degrees F = 56000 PPM
API: 39 @ 50 Degrees F = 40.



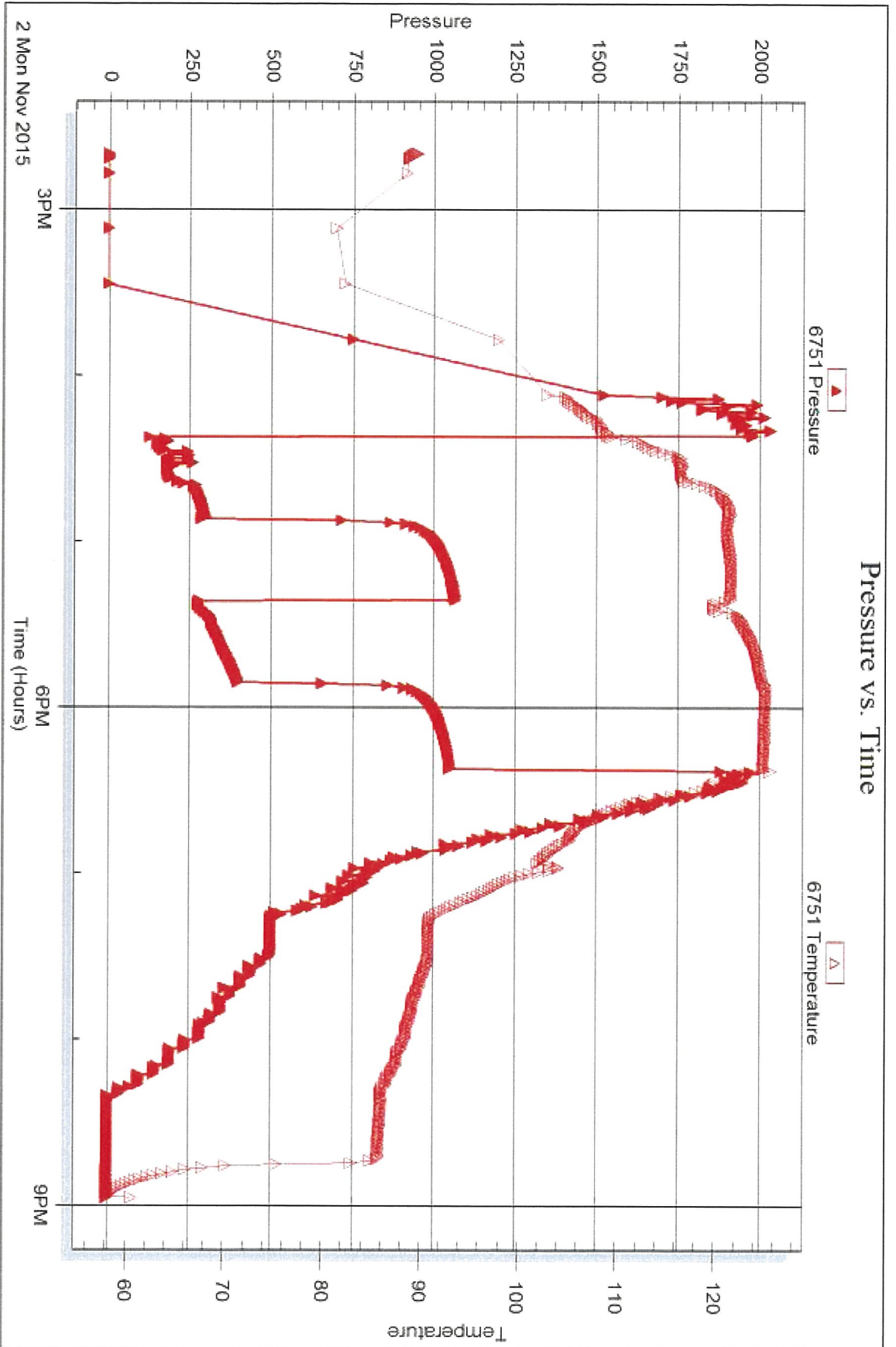
Serial #: 6751

Outside

Palomino Petroleum Inc

Brownie #2

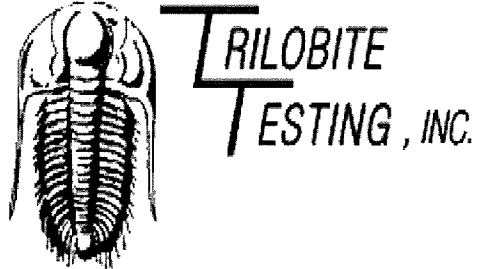
DST Test Number: 5



Tribble Testing, Inc

Ref. No: 64606

Printed: 2015 11:06 @ 10:28:42



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114-8827

ATTN: Ryan Seib

Brownie #2

7-14s-30w Gove,KS

Start Date: 2015.11.03 @ 03:15:00

End Date: 2015.11.03 @ 08:36:50

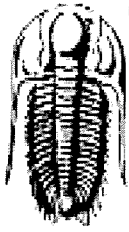
Job Ticket #: 64607 DST #: 6

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.11.06 @ 10:28:02



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

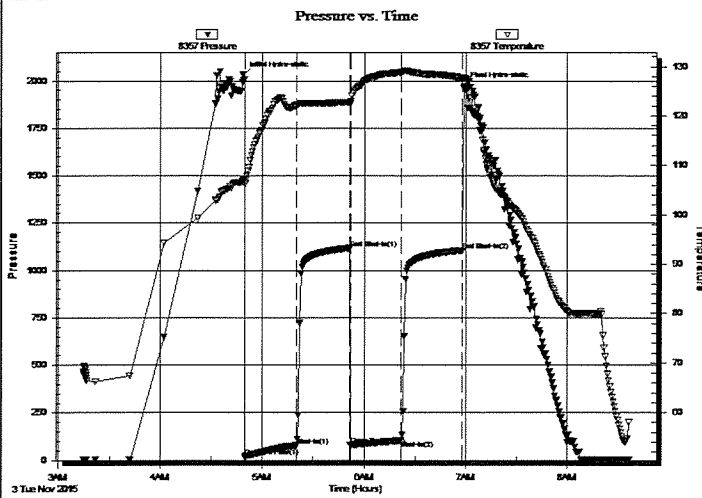
7-14s-30w Gove,KS
Brownie #2
 Job Ticket: 64607 **DST#: 6**
 Test Start: 2015.11.03 @ 03:15:00

GENERAL INFORMATION:

Formation: **LKC 'J'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:50:00
 Time Test Ended: 08:36:50
 Interval: **4095.00 ft (KB) To 4110.00 ft (KB) (TVD)**
 Total Depth: 4110.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chuck Smith
 Unit No: 61
 Reference Elevations: 2795.00 ft (KB)
 2790.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8357 **Inside**
 Press@RunDepth: 104.71 psig @ 4097.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.11.03 End Date: 2015.11.03 Last Calib.: 2015.11.03
 Start Time: 03:15:02 End Time: 08:36:49 Time On Btm: 2015.11.03 @ 04:48:30
 Time Off Btm: 2015.11.03 @ 06:58:30

TEST COMMENT: 30- 7" Blow .
 30- No return.
 30- 7" Blow .
 30- Weak return died @ 15 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2030.60	106.91	Initial Hydro-static
2	19.70	106.27	Open To Flow (1)
32	77.44	122.23	Shut-In(1)
64	1117.38	122.74	End Shut-In(1)
64	81.12	122.51	Open To Flow (2)
94	104.71	128.87	Shut-In(2)
130	1106.50	127.68	End Shut-In(2)
130	1974.02	127.72	Final Hydro-static

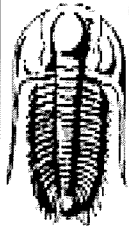
Recovery

Length (ft)	Description	Volume (bbl)
190.00	OSMV 20m 80w	1.57
5.00	O 100o	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 Inc
4924 SE 84th St
New ton, KS 67114-8827
ATTN: Ryan Seib

7-14s-30w Gove,KS
Brownie #2
Job Ticket: 64607 **DST#: 6**
Test Start: 2015.11.03 @ 03:15:00

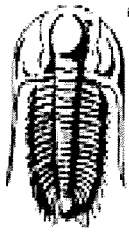
Tool Information

Drill Pipe:	Length: 3980.00 ft	Diameter: 3.80 inches	Volume: 55.83 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 56.42 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.50 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4095.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	42.50 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			4068.50	
Shut In Tool	5.00			4073.50	
Hydraulic tool	5.00			4078.50	
Jars	5.00			4083.50	
Safety Joint	2.50			4086.00	
Packer	5.00			4091.00	27.50 Bottom Of Top Packer
Packer	4.00			4095.00	
Stubb	1.00			4096.00	
Perforations	1.00			4097.00	
Recorder	0.00	8357	Inside	4097.00	
Recorder	0.00	6751	Outside	4097.00	
Perforations	10.00			4107.00	
Bullnose	3.00			4110.00	15.00 Bottom Packers & Anchor

Total Tool Length: 42.50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

7-14s-30w Gove,KS
Brownie #2
Job Ticket: 64607 **DST#: 6**
Test Start: 2015.11.03 @ 03:15:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 58000 ppm
Viscosity: 72.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.39 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2600.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	OSMW 20m 80w	1.572
5.00	O 100o	0.070

Total Length: 195.00 ft Total Volume: 1.642 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW: .152 @ 56 Degrees F = 58000 PPM
API: 36 @ 60 Degrees F = 36.

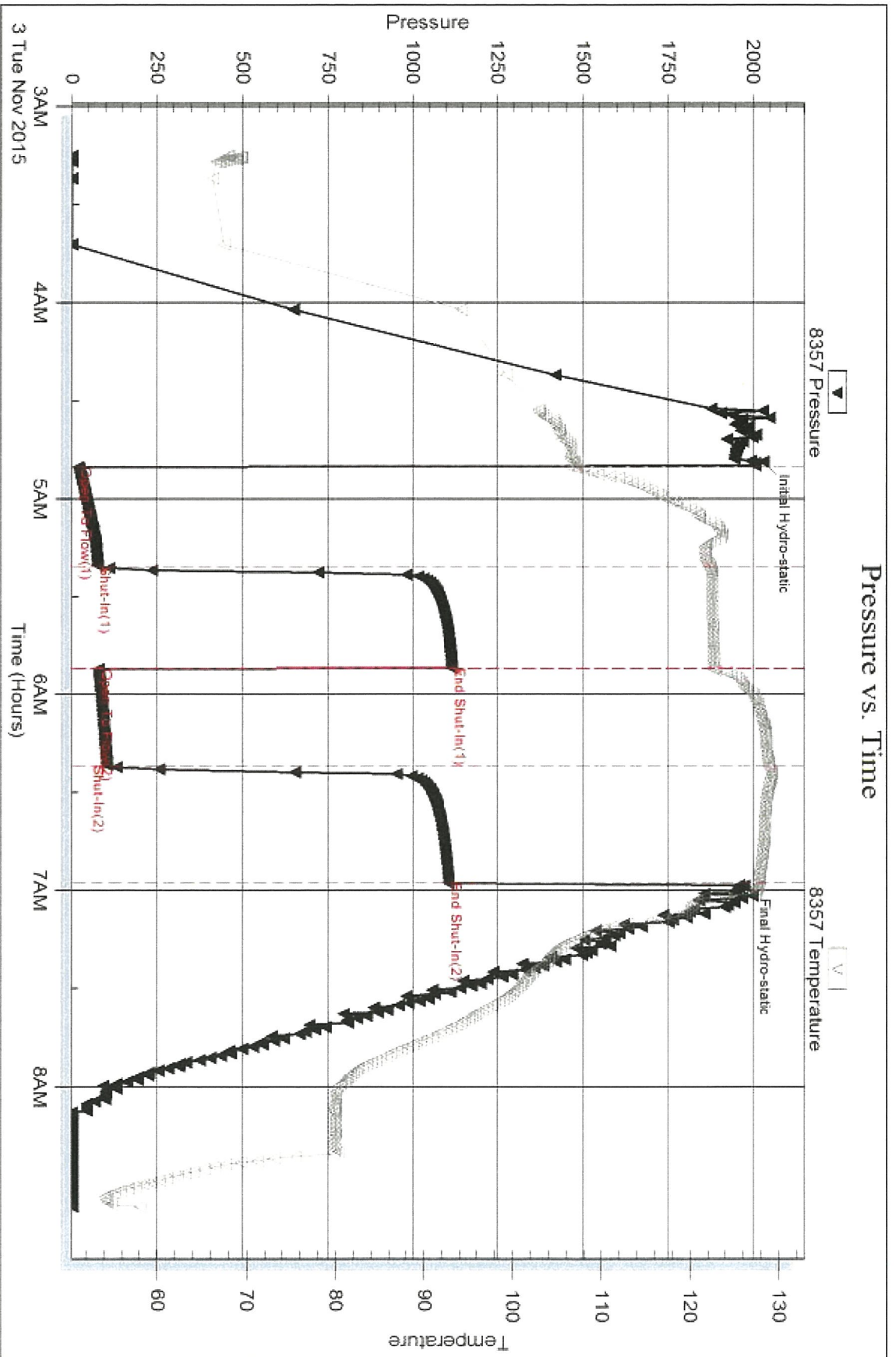
Serial #: 8357

Inside

Palomino Petroleum Inc

Brownie #2

DST Test Number: 6



Tricobite Testing, Inc

Ref. No: 64607

Printed: 2015 11:06 @ 10:28:03

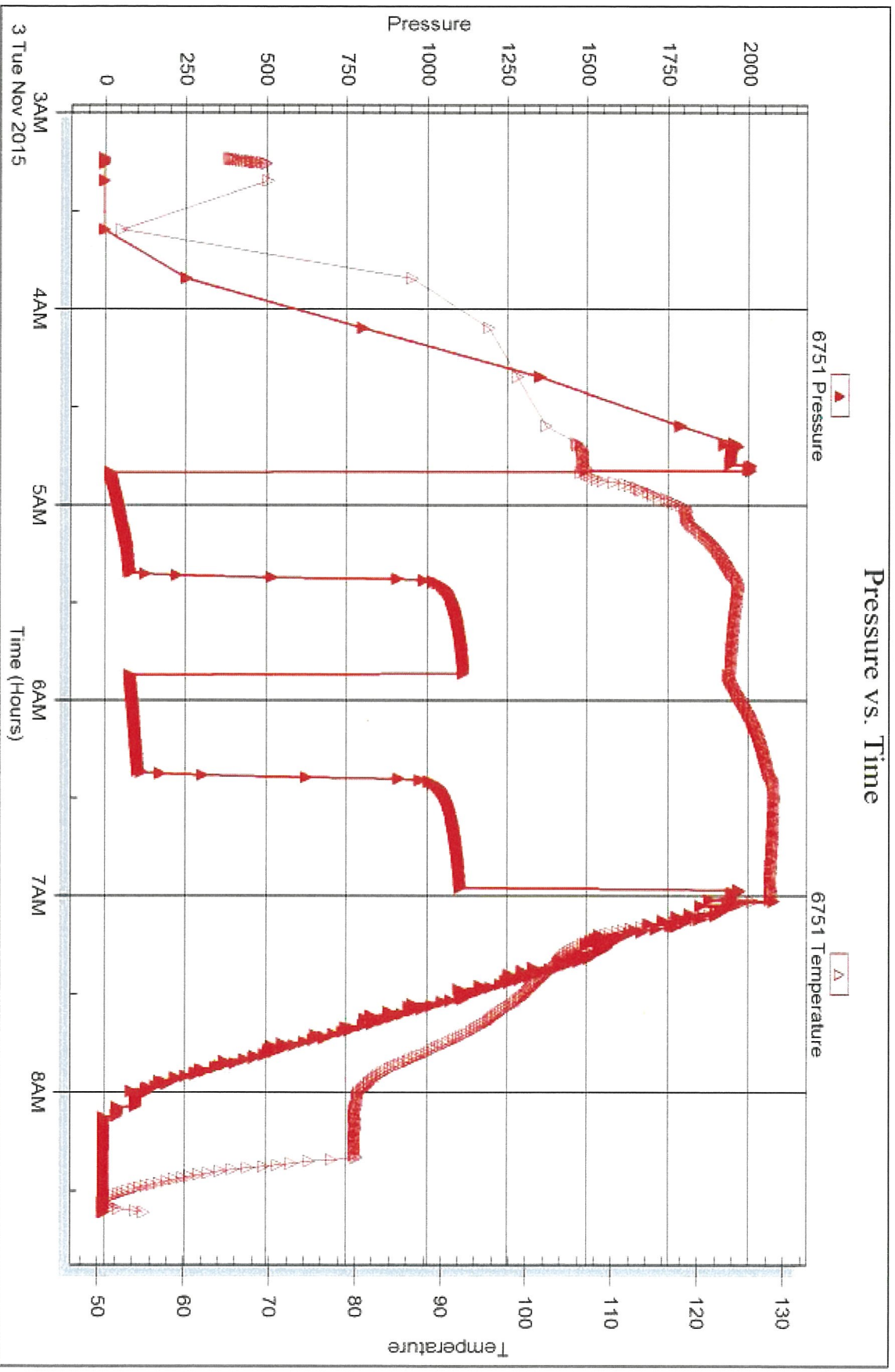
Serial #: 6751

Outside

Palomino Petroleum Inc

Brownie #2

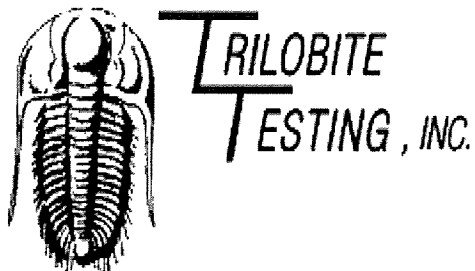
DST Test Number: 6



Tribble Testing, Inc

Ref. No: 64607

Printed 2015 11:06 @ 10:28:03



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114-8827

ATTN: Ryan Seib

Brownie #2

7-14s-30w Gove,KS

Start Date: 2015.11.03 @ 18:00:00

End Date: 2015.11.04 @ 00:21:00

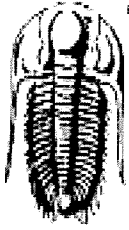
Job Ticket #: 64608 DST #: 7

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.11.06 @ 10:27:08



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

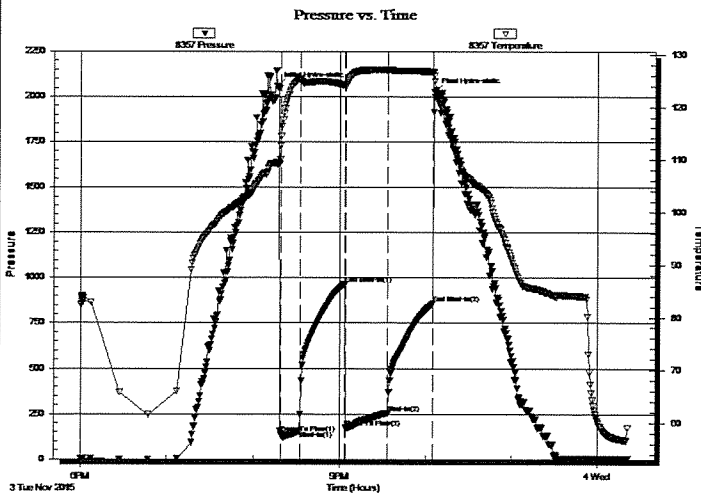
7-14s-30w Gove,KS
Brownie #2
 Job Ticket: 64608 **DST#: 7**
 Test Start: 2015.11.03 @ 18:00:00

GENERAL INFORMATION:

Formation: **LKC 'K - L'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:19:00
 Time Test Ended: 00:21:00
 Interval: **4110.00 ft (KB) To 4195.00 ft (KB) (TVD)**
 Total Depth: 4195.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chuck Smith
 Unit No: 61
 Reference Elevations: 2795.00 ft (KB)
 2790.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8357 Inside
 Press@RunDepth: 255.44 psig @ 4112.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.11.03 End Date: 2015.11.04 Last Calib.: 2015.11.04
 Start Time: 18:00:02 End Time: 00:21:00 Time On Btm: 2015.11.03 @ 20:16:30
 Time Off Btm: 2015.11.03 @ 22:05:40

TEST COMMENT: 15- B.O.B. @ 1 1/2 min.
 30- 8 1/2" Return.
 30- B.O.B. @ 4 1/2 min.
 30- B.O.B. @ 17 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2059.56	109.22	Initial Hydro-static
3	142.35	112.67	Open To Flow (1)
16	157.43	125.41	Shut-In(1)
47	965.35	124.18	End Shut-In(1)
48	175.06	123.79	Open To Flow (2)
77	255.44	126.97	Shut-In(2)
109	857.51	126.60	End Shut-In(2)
110	2026.42	126.00	Final Hydro-static

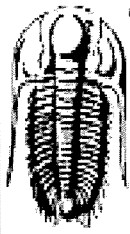
Recovery

Length (ft)	Description	Volume (bbl)
0.00	2232' Weak GIP	0.00
182.00	GOCMW 20g 5o 25m 50w	1.46
372.00	GWMCO 25g 5w 15m 55o	5.22
62.00	CGO 30g 70o	0.87

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

ATTN: Ryan Seib

7-14s-30w Gove,KS

Brownie #2
Job Ticket: 64608 **DST#: 7**

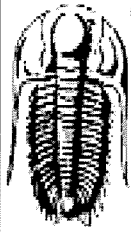
Test Start: 2015.11.03 @ 18:00:00

Tool Information

Drill Pipe:	Length: 3980.00 ft	Diameter: 3.80 inches	Volume: 55.83 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 56.42 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.50 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4110.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	85.00 ft			
Tool Length:	112.50 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			4083.50	
Shut In Tool	5.00			4088.50	
Hydraulic tool	5.00			4093.50	
Jars	5.00			4098.50	
Safety Joint	2.50			4101.00	
Packer	5.00			4106.00	27.50 Bottom Of Top Packer
Packer	4.00			4110.00	
Stubb	1.00			4111.00	
Perforations	1.00			4112.00	
Recorder	0.00	8357	Inside	4112.00	
Recorder	0.00	6751	Outside	4112.00	
Perforations	15.00			4127.00	
Change Over Sub	1.00			4128.00	
Drill Pipe	63.00			4191.00	
Change Over Sub	1.00			4192.00	
Bullnose	3.00			4195.00	85.00 Bottom Packers & Anchor
Total Tool Length:	112.50				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

7-14s-30w Gove,KS
Brownie #2
Job Ticket: 64608 **DST#: 7**
Test Start: 2015.11.03 @ 18:00:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 39 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 69000 ppm
Viscosity: 62.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.98 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	2232' Weak GIP	0.000
182.00	GOCMW 20g 5o 25m 50w	1.460
372.00	GWMC0 25g 5w 15m 55o	5.218
62.00	CGO 30g 70o	0.870

Total Length: 616.00 ft Total Volume: 7.548 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW: .150 @ 52 Degrees F = 69000 PPM
API: 38 @ 50 Degrees F = 39.

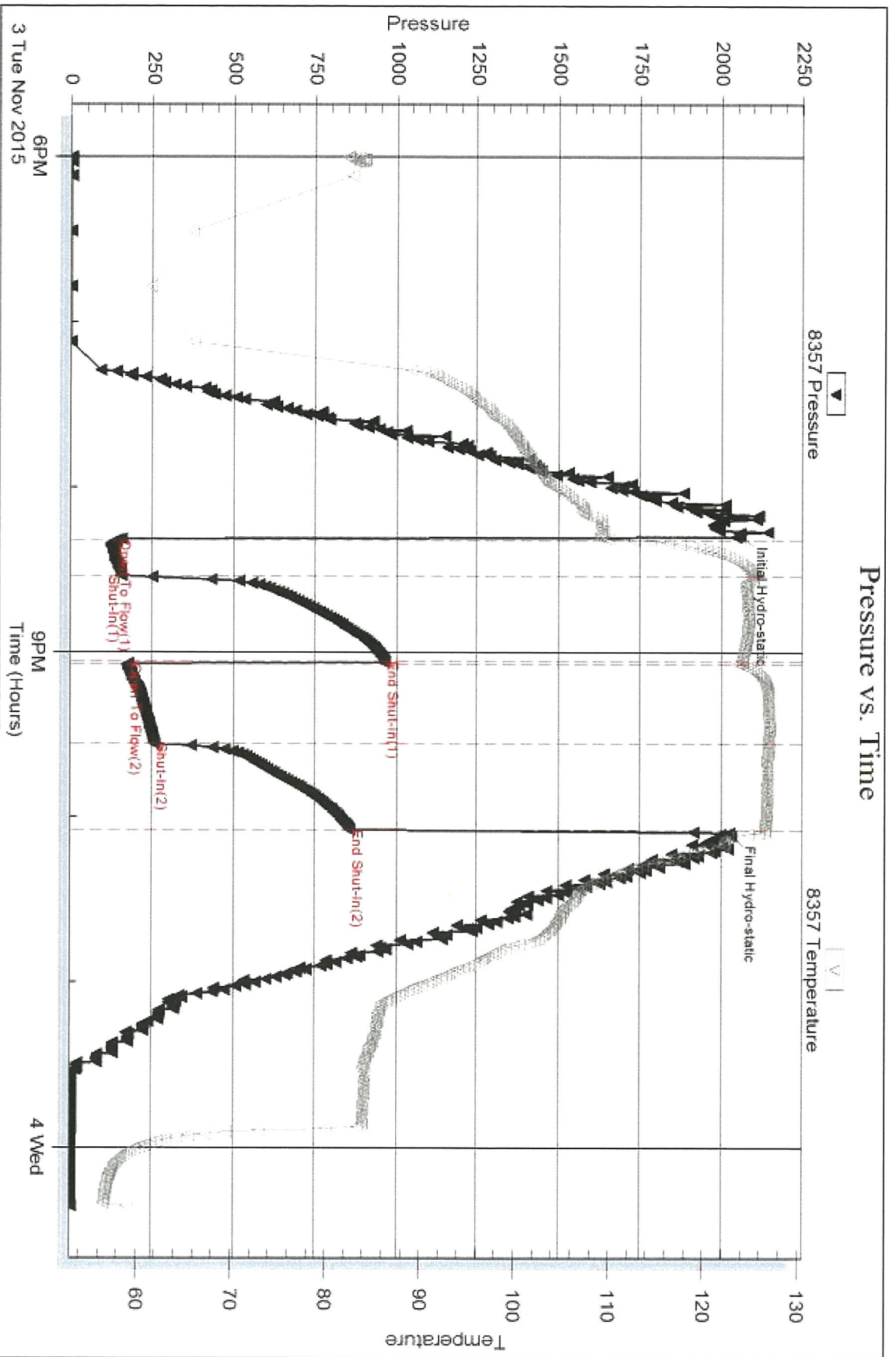
Serial #: 8357

Inside

Palomino Petroleum Inc

Brownie #2

DST Test Number: 7



Tribble Testing, Inc

Ref. No: 64608

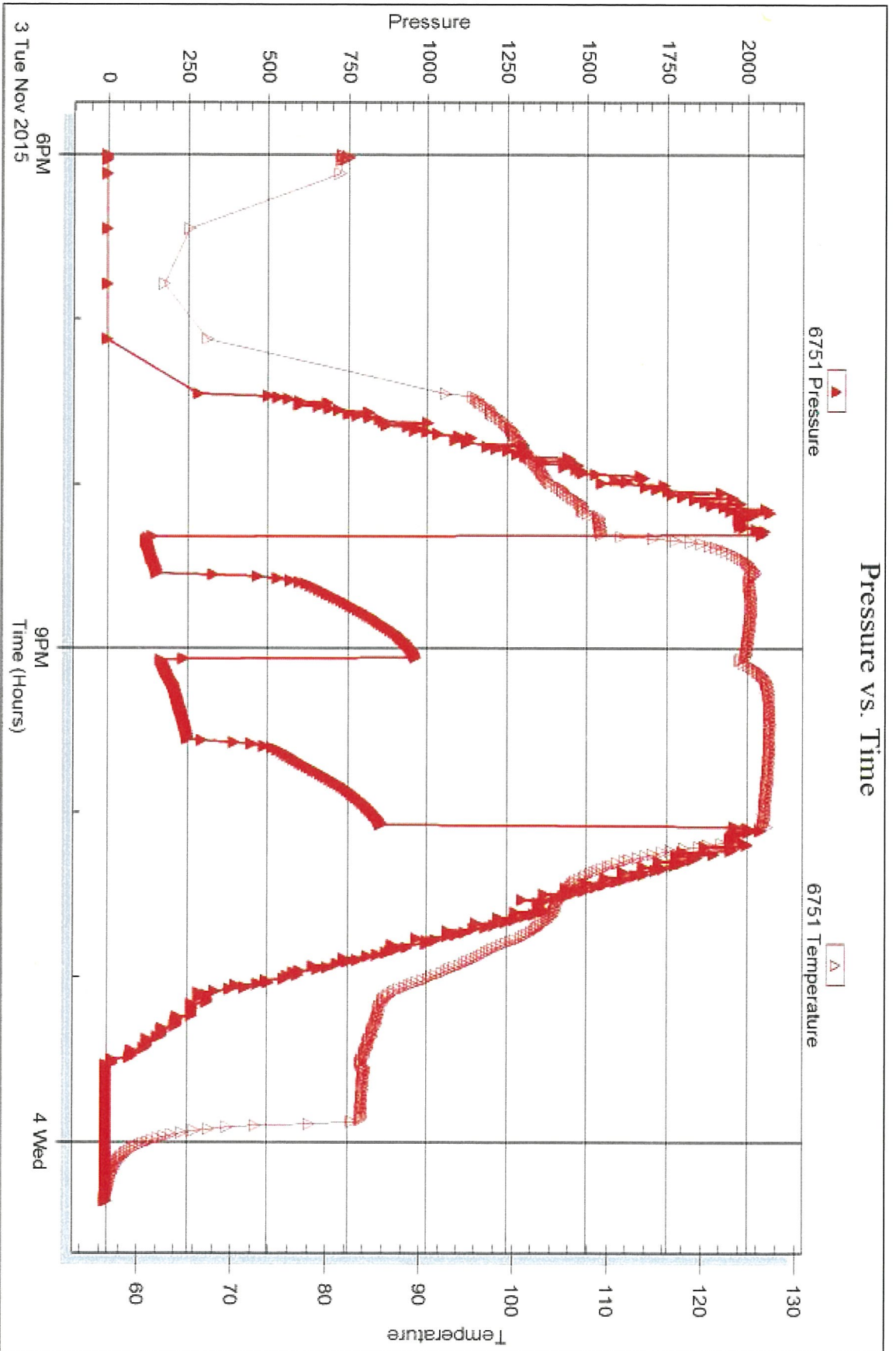
Printed: 2015 11:06 @ 10:27:09

Serial #: 6751

Outside Palomino Petroleum Inc

Brow n/e #2

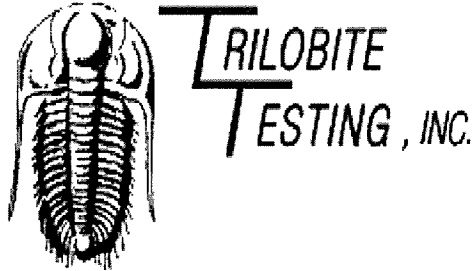
DST Test Number: 7



Tribble Testing, Inc

Ref. No: 64608

Printed 2015 11:06 @ 10:27:09



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St
Newton, KS 67114-8827

ATTN: Ryan Seib

Brownie #2

7-14s-30w Gove,KS

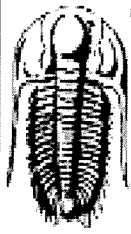
Start Date: 2015.11.05 @ 01:15:00

End Date: 2015.11.05 @ 07:19:30

Job Ticket #: 64609 DST #: 8

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

Printed: 2015.11.06 @ 10:26:14



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

7-14s-30w Gove,KS
Brownie #2
Job Ticket: 64609 **DST#: 8**
Test Start: 2015.11.05 @ 01:15:00

GENERAL INFORMATION:

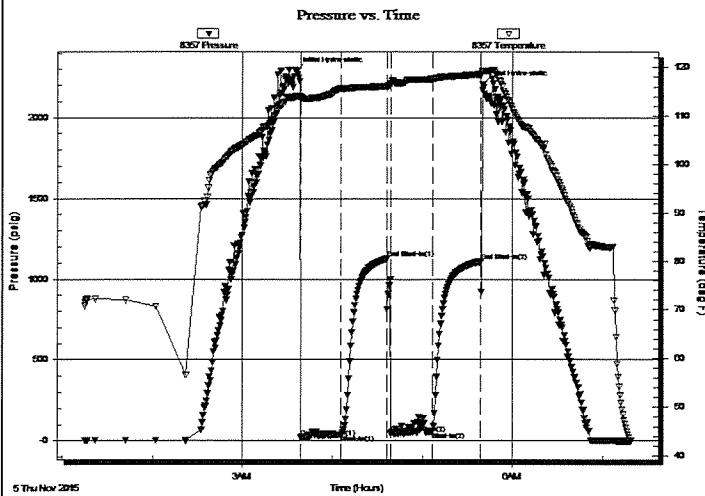
Formation: **Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:38:50
Time Test Ended: 07:19:30
Interval: **4390.00 ft (KB) To 4464.00 ft (KB) (TVD)**
Total Depth: **4464.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Chuck Smith
Unit No: 61
Reference Elevations: 2795.00 ft (KB)
2790.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8357

Inside

Press@RunDepth: 57.22 psig @ 4392.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.11.05 End Date: 2015.11.05 Last Calib.: 2015.11.05
Start Time: 01:15:02 End Time: 07:19:30 Time On Btm: 2015.11.05 @ 03:36:00
Time Off Btm: 2015.11.05 @ 05:40:00

TEST COMMENT: 30- 2" Blow .
30- No return.
30- 1/2" Blow . Tool did not get turned completely until this time.
30- No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2288.57	114.00	Initial Hydro-static
3	22.37	113.43	Open To Flow (1)
31	39.19	115.63	Shut-In(1)
60	1125.96	116.15	End Shut-In(1)
63	42.01	116.40	Open To Flow (2)
91	57.22	117.62	Shut-In(2)
123	1111.02	118.60	End Shut-In(2)
124	2205.03	119.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	OSM 100m	0.32

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

ATTN: Ryan Seib

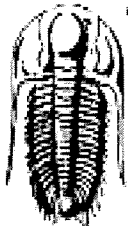
7-14s-30w Gove,KS
Brownie #2
Job Ticket: 64609 **DST#: 8**
Test Start: 2015.11.05 @ 01:15:00

Tool Information

Drill Pipe:	Length: 4262.00 ft	Diameter: 3.80 inches	Volume: 59.78 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 60.37 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.50 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4390.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	74.00 ft			
Tool Length:	101.50 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			4363.50	
Shut In Tool	5.00			4368.50	
Hydraulic tool	5.00			4373.50	
Jars	5.00			4378.50	
Safety Joint	2.50			4381.00	
Packer	5.00			4386.00	27.50 Bottom Of Top Packer
Packer	4.00			4390.00	
Stubb	1.00			4391.00	
Perforations	1.00			4392.00	
Recorder	0.00	8357	Inside	4392.00	
Recorder	0.00	6751	Outside	4392.00	
Perforations	36.00			4428.00	
Change Over Sub	1.00			4429.00	
Drill Pipe	31.00			4460.00	
Change Over Sub	1.00			4461.00	
Bullnose	3.00			4464.00	74.00 Bottom Packers & Anchor
Total Tool Length:	101.50				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

7-14s-30w Gove,KS
Brownie #2
Job Ticket: 64609 **DST#: 8**
Test Start: 2015.11.05 @ 01:15:00

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: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	OSM 100m	0.320

Total Length: 65.00 ft Total Volume: 0.320 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

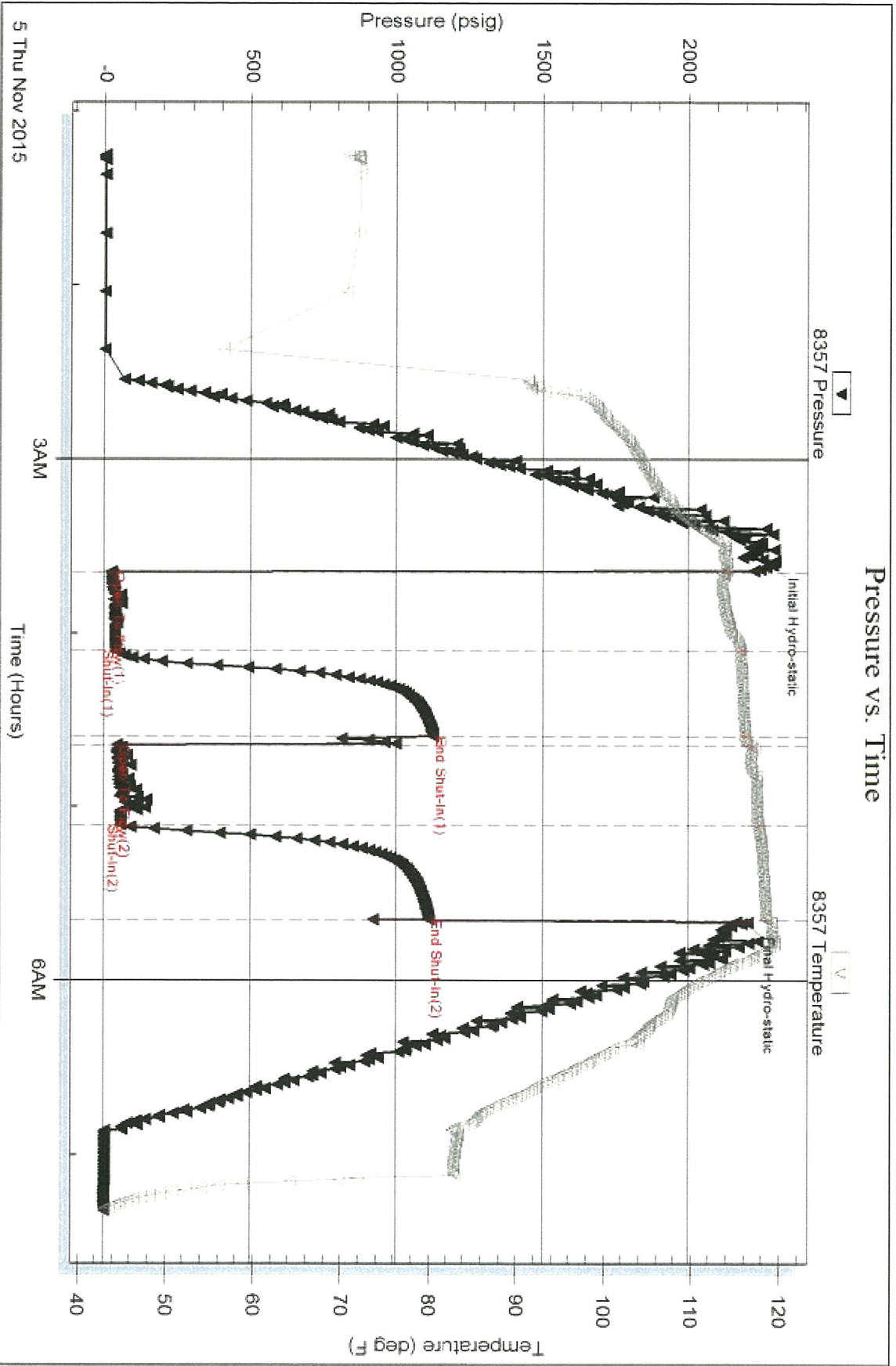
Serial #: 8357

Inside

Palomino Petroleum Inc

Brownie #2

DST Test Number: 8



Tribble Testing, Inc

Ref. No: 64609

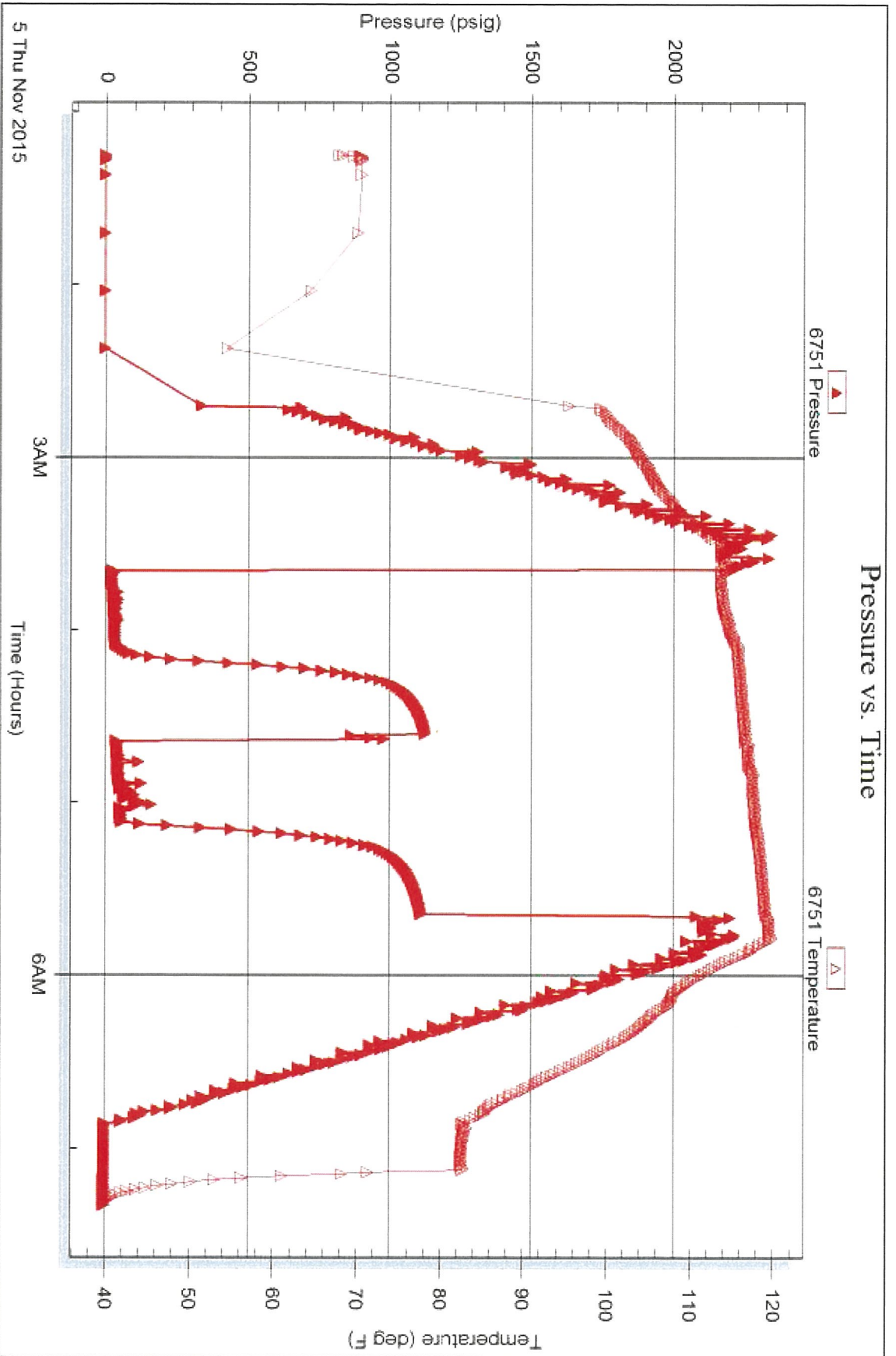
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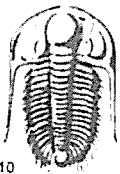
Serial #: 6751

Outside Palomino Petroleum Inc

Brownie #2

DST Test Number: 8





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 45519

4/10

Well Name & No. Brownie #2 Test No. #1 Date 10/31/15
 Company Plomina Petroleum Inc. Elevation 2795 KB 2790 GL
 Address 4925 E 84th St Newton, KS, 67114-8827
 Co. Rep / Geo. Ryan Sells Rig WW #2
 Location: Sec. 7 Twp. 14S Rge. 30W Co. Com State KS

Interval Tested 3833 3873 Zone Tested Torton to
 Anchor Length 40 Drill Pipe Run 3700 Mud Wt. 9.0
 Top Packer Depth 3828 Drill Collars Run 118' Vis 57
 Bottom Packer Depth 3833 Wt. Pipe Run --- WL 7.3
 Total Depth 3873 Chlorides 1000 ppm System LCM #1

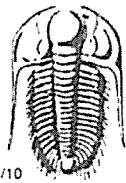
Blow Description 1/4" in blow died in 24 min
No return
Surface blow died in 6 min
No return

Rec	Feet of	%gas	%oil	%water	%mud
10'	mud			100	

Rec Total 10' BHT 110' Gravity --- API RW --- @ --- °F Chlorides --- ppm

(A) Initial Hydrostatic 1861 Test 1050 T-On Location 11:20
 (B) First Initial Flow 14 Jars 250 T-Started 12:15
 (C) First Final Flow 25 Safety Joint 75 T-Open 14:02
 (D) Initial Shut-In 1154 Circ Sub n/c T-Pulled 16:02
 (E) Second Initial Flow 26 Hourly Standby T-Out 17:55
 (F) Second Final Flow 34 Mileage 76.85 Comments ---
 (G) Final Shut-In 1127 Sampler ---
 (H) Final Hydrostatic 1832 Straddle --- Ruined Shale Packer ---
 Shale Packer --- Ruined Packer ---
 Extra Packer --- Extra Copies ---
 Extra Recorder --- Sub Total 0
 Day Standby --- Total 1451
 Accessibility --- MP/DST Disc't ---
 Sub Total 1451

Approved By [Signature] Our Representative [Signature]
 TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64603

Well Name & No. Brownie #2 Test No. 2 Date 10-31-15
 Company Palomero Petroleum, Inc. Elevation 2795 KB 2790 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Ryan Seib Rig WW#2
 Location: Sec. 7 Twp. 14s Rge. 30w Co. Gove State KS

Interval Tested 3871 - 3900 Zone Tested LKC 'A'
 Anchor Length 29 Drill Pipe Run 3730 Mud Wt. 8.9
 Top Packer Depth 3867 Drill Collars Run 120 Vis 54
 Bottom Packer Depth 3871 Wt. Pipe Run 0 WL 7.2
 Total Depth 3900 Chlorides 1600 ppm System LCM 1st
 Blow Description 2" Blow
No return
Surface blow
No return.

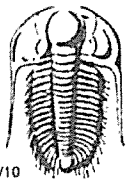
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>30</u>	Feet of <u>OSM</u>				
Rec	Feet of				
Rec	Feet of				
Rec	Feet of				

Rec Total 30 BHT 113 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>1915</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>23:35</u>
(B) First Initial Flow <u>17 25</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>23:35</u>
(C) First Final Flow <u>25</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1:17</u>
(D) Initial Shut-In <u>1046</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>3:21</u>
(E) Second Initial Flow <u>70</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>4:38</u>
(F) Second Final Flow <u>30</u>	<input checked="" type="checkbox"/> Mileage <u>76</u>	Comments
(G) Final Shut-In <u>1027</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1873</u>	<input type="checkbox"/> Straddle	
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Extra Copies
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1451</u>
	Sub Total <u>1451</u>	MP/DST Disc't

Approved By _____ Our Representative Chuck Smith

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64604

Well Name & No. Brownie #2 Test No. 3 Date 11-1-15
 Company Palomino Petroleum, Inc. Elevation 2795 KB 2790 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Ryan Seib Rig WW #2
 Location: Sec. 7 Twp. 14s Rge. 30w Co. Gove State KS

Interval Tested 3894 - 3935 Zone Tested LKC 'C'
 Anchor Length 41 Drill Pipe Run 3762 Mud Wt. 8.2
 Top Packer Depth 3890 Drill Collars Run 120 Vis 58
 Bottom Packer Depth 3894 Wt. Pipe Run 0 WL 7.2
 Total Depth 3935 Chlorides 1700 ppm System LCM 2^d
 Blow Description 9" Blow
Weak surface return.
10" Blow
Weak surface return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>105</u>	<u>6 MCO</u>	<u>5</u>	<u>50</u>	<u>45</u>	<u></u>
<u>60</u>	<u>WOCM</u>	<u>25</u>	<u>3</u>	<u>72</u>	<u></u>

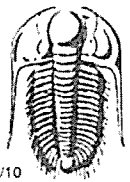
Rec Total 165 BHT 113 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1916 Test 1050 T-On Location 9:50
 (B) First Initial Flow 23 Jars 250 T-Started 9:55
 (C) First Final Flow 65 Safety Joint 75 T-Open 11:
 (D) Initial Shut-In 1109 Circ Sub NIC T-Pulled 13:
 (E) Second Initial Flow 74 Hourly Standby — T-Out 15:22
 (F) Second Final Flow 87 Mileage 76 Comments Water too little to
 (G) Final Shut-In 1081 Sampler — got an RW reading
 (H) Final Hydrostatic 1884 Straddle —
 Ruined Shale Packer —
 Shale Packer —
 Ruined Packer —
 Extra Packer —
 Extra Recorder —
 Day Standby —
 Accessibility —
 Sub Total 1451 MP/DST Disc't —

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

Approved By [Signature] Our Representative Chuck Brish

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64605

Well Name & No. Brownie #2 Test No. 4 Date 11-2-15
 Company Palomina Petroleum, Inc. Elevation 2795 KB 2790 GL
 Address 4924 SE 84th St, Newton, KS 67117
 Co. Rep / Geo. Ryan Seib Rig WW#2
 Location: Sec. 7 Twp. 14s Rge. 30w Co. Gove State KS

Interval Tested 3940 - 4000 Zone Tested LKC 'D-F'
 Anchor Length 60 Drill Pipe Run 3824 Mud Wt. 91
 Top Packer Depth 3936 Drill Collars Run 120 Vis 55
 Bottom Packer Depth 3940 Wt. Pipe Run 0 WL 7.2
 Total Depth 4000 Chlorides 1700 ppm System LCM 1"
 Blow Description B.O.B. @ 7 1/2 min.
Weak surface return, died @ 20 min.
B.O.B. @ 11 min.
1/2" return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>155</u>	<u>Feet of GMW Emulsion</u>	<u>10</u>	<u>50^{emulsion}</u>	<u>30</u>	<u>10</u>
<u>248</u>	<u>Feet of GOMCW</u>	<u>10</u>	<u>20</u>	<u>50</u>	<u>20</u>
<u>244</u>	<u>Feet of OCMW</u>	<u>%gas</u>	<u>5</u>	<u>85</u>	<u>10</u>
<u> </u>	<u>Feet of 150' GIP</u>	<u>100</u>	<u>%oil</u>	<u>%water</u>	<u>%mud</u>
<u> </u>	<u>Feet of</u>	<u>%gas</u>	<u>%oil</u>	<u>%water</u>	<u>%mud</u>

Rec Total 647 BHT 125 Gravity - API RW 135 @ 40 °F Chlorides 100,000 ppm

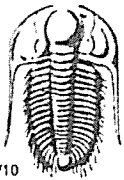
(A) Initial Hydrostatic 1960 Test 1050 T-On Location 11:40 pm
 (B) First Initial Flow 45 Jars 250 T-Started 11:42 pm
 (C) First Final Flow 192 Safety Joint 75 T-Open 1:27 am
 (D) Initial Shut-In 1081 Circ Sub NK T-Pulled 3:31 am
 (E) Second Initial Flow 198 Hourly Standby T-Out 5:17 am
 (F) Second Final Flow 300 Mileage 76 Comments
 (G) Final Shut-In 1057 Sampler
 (H) Final Hydrostatic 1961 Straddle
 Shale Packer
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1451

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

Sub Total 0
 Total 1451
 MP/DST Disc't

Approved By _____ Our Representative Chuck Smith

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64606

Well Name & No. Brownie #2 Test No. 5 Date 11-2-15
 Company Patriot Petroleum, Inc. Elevation 2795 KB 2790 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Ryan Scrib Rig WW #2
 Location: Sec. 7 Twp. 14s Rge. 30W Co. Gove State Ks

Interval Tested 4021-4088 Zone Tested LKC 'H-I'
 Anchor Length 67 Drill Pipe Run 3887 Mud Wt. 9.2
 Top Packer Depth 4017 Drill Collars Run 120 Vis 67
 Bottom Packer Depth 4021 Wt. Pipe Run 0 WL 7.4
 Total Depth 4088 Chlorides 2600 ppm System LCM 2

Blow Description B.O.B. @ 3min.
B.O.B. @ 9min.
B.O.B. @ 4min.
B.O.B. @ 7min.

Rec	Feet of	%gas	%oil	%water	%mud
	<u>2460' Weak GEP</u>	<u>100</u>			
<u>215</u>	<u>Feet of GMCO</u>	<u>50</u>	<u>40</u>		<u>10</u>
<u>496</u>	<u>Feet of GMCO</u>	<u>20</u>	<u>60</u>		<u>20</u>
<u>244</u>	<u>Feet of GWOOD</u>	<u>15</u>	<u>30</u>	<u>10</u>	<u>45</u>

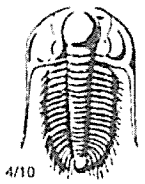
Rec Total 955 BHT 125 Gravity 40 API RW 210 @ 47 °F Chlorides 56000 ppm

(A) Initial Hydrostatic 1974 Test 1150 T-On Location 14:38
 (B) First Initial Flow 95 Jars 250 T-Started 14:40
 (C) First Final Flow 291 Safety Joint 75 T-Open 16:22
 (D) Initial Shut-In 1069 Circ Sub NIC T-Pulled 18:22
 (E) Second Initial Flow 278 Hourly Standby _____ T-Out 20:58
 (F) Second Final Flow 399 Mileage 76 Comments _____
 (G) Final Shut-In 1052 Sampler _____
 (H) Final Hydrostatic 1980 Straddle _____

Initial Open 30 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 30 Extra Packer _____ Ruined Packer _____
 Final Flow 30 Extra Recorder _____ Extra Copies _____
 Final Shut-In 30 Day Standby _____ Sub Total 0
 Sub Total 1551 Total 1551 MP/DST Disc't _____

Approved By _____ Our Representative Chuck Smith

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64607

Well Name & No. Brownie #2 Test No. 6 Date 11-3-15
 Company Palomino Petroleum, Inc. Elevation 2795 KB 2790 GL
 Address 4924 SE 84th St. Newton, KS
 Co. Rep / Geo. Ryan Scib Rig WW#2
 Location: Sec. 7 Twp. 14s Rge. 30w Co. Gove State KS

Interval Tested 4095-4110 Zone Tested 1KC'J'
 Anchor Length 15 Drill Pipe Run 3980 Mud Wt. 9.0
 Top Packer Depth 4091 Drill Collars Run 120 Vis 72
 Bottom Packer Depth 4095 Wt. Pipe Run 0 WL 7.4
 Total Depth 4110 Chlorides 2600 ppm System LCM 1"
 Blow Description 7" Blow
No return.
7" Blow
Weak surface return died @ 15min

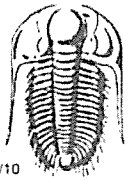
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>5</u>	Feet of <u>0</u>	%gas <u>100</u>	%oil	%water	%mud
Rec <u>190</u>	Feet of <u>0.5 MW</u>	%gas	%oil <u>80</u>	%water <u>20</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 195 BHT 128 Gravity 36 API RW .152 @ 56 °F Chlorides 58000 ppm

(A) Initial Hydrostatic <u>2031</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>3:13</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>3:15</u>
(C) First Final Flow <u>77</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>4:50</u>
(D) Initial Shut-In <u>1117</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>6:58</u>
(E) Second Initial Flow <u>81</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>8:37</u>
(F) Second Final Flow <u>105</u>	<input checked="" type="checkbox"/> Mileage <u>76</u>	Comments
(G) Final Shut-In <u>1107</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1974</u>	<input type="checkbox"/> Straddle	
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>32</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1801</u>
	Sub Total <u>1801</u>	MP/DST Disc't

Approved By _____ Our Representative Chuck Smith

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64608

Well Name & No. Brownie #2 Test No. 7 Date 11-3-15
 Company Palomino Petroleum, Inc. Elevation 2795 KB 2790 GL
 Address 4924 SE 84th St. Newton, KS
 Co. Rep / Geo. Ryan Seib Rig WW #2
 Location: Sec. 7 Twp. 17s Rge. 30w Co. Gove State KS

Interval Tested 4110 - 4195 Zone Tested LKC 'K-L'
 Anchor Length 85 Drill Pipe Run 3980 Mud Wt. 9.0
 Top Packer Depth 4106 Drill Collars Run 120 Vis 6.2
 Bottom Packer Depth 4110 Wt. Pipe Run 0 WL 8.0
 Total Depth 4195 Chlorides 3000 ppm System LCM 1"

Blow Description B.O.B. @ 1 1/2 min.
8 1/2" Return
B.O.B. @ 4 1/2 min.
B.O.B. @ 17 min.

Rec	Feet of	%gas	%oil	%water	%mud
	<u>2232' weak GIP</u>	<u>100</u>			
Rec <u>62</u>	Feet of <u>600</u>	<u>30</u>	<u>70</u>		
Rec <u>372</u>	Feet of <u>GUMCO</u>	<u>25</u>	<u>55</u>	<u>5</u>	<u>15</u>
Rec <u>182</u>	Feet of <u>600mw</u>	<u>20</u>	<u>5</u>	<u>50</u>	<u>25</u>
Rec	Feet of	%gas	%oil	%water	%mud

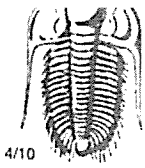
Rec Total 616 BHT 127 Gravity 39 API RW 150 @ 52 °F Chlorides 69000 ppm

(A) Initial Hydrostatic 2060 Test 1150 T-On Location 17:55
 (B) First Initial Flow 142 Jars 250 T-Started 18:00
 (C) First Final Flow 159 Safety Joint 75 T-Open 20:19
 (D) Initial Shut-In 965 Circ Sub 1/K T-Pulled 22:05
 (E) Second Initial Flow 175 Hourly Standby _____ T-Out 00:21
 (F) Second Final Flow 255 Mileage 76 Comments _____
 (G) Final Shut-In 858 Sampler _____
 (H) Final Hydrostatic 2062 Straddle _____

Ruined Shale Packer _____
 Ruined Packer 320
 Extra Copies _____
 Sub Total 320
 Total 1871
 MP/DST Disc't _____
 Sub Total 1551

Approved By J Seib Our Representative Chuck Smith

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64609

Well Name & No. Brownie #2 Test No. 8 Date 11-5-15
 Company Palomino Petroleum, Inc Elevation 2795 KB 2790 GL
 Address 4924 SE 84th St. Newton, KS
 Co. Rep / Geo. Ryan Seib Rig WW #2
 Location: Sec. 7 Twp. 14s Rge. 30w Co. Gove State KS

Interval Tested 4390-4464 Zone Tested Johnson
 Anchor Length 74 Drill Pipe Run 4262 Mud Wt. 9.0
 Top Packer Depth 4386 Drill Collars Run 120 Vis 59
 Bottom Packer Depth 4390 Wt. Pipe Run 0 WL 10.4
 Total Depth 4464 Chlorides 1500 ppm System LCM 1"
 Blow Description 2" Blow
No return.
1/2" Blow. Tool did not get turned completely until this time.
No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>65</u>	Feet of <u>0.5M</u>				<u>100</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 65 BHT 119 Gravity — API RW @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2289</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1:15</u>
(B) First Initial Flow <u>22</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1:15</u>
(C) First Final Flow <u>39</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>3:39</u>
(D) Initial Shut-In <u>1126</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>5:39</u>
(E) Second Initial Flow <u>42</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>7:20</u>
(F) Second Final Flow <u>57</u>	<input checked="" type="checkbox"/> Mileage <u>76+76</u>	Comments <u>loaded tools 10/5 22:00</u>
(G) Final Shut-In <u>1111</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>2205</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Total <u>1627</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't
	<input type="checkbox"/> Accessibility	
	Sub Total <u>1627</u>	

Approved By _____ Our Representative Chuck Smith

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