

RECEIVED

Date: 3/5/2016
 Invoice # 1327

MAR 09 2016



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

P.O.#:
 Due Date: 4/4/2016
 Division: *Russell*

Invoice

Contact:
 Palomino Petroleum Inc
Address/Job Location:

4924 SE 84th
 Newton Ks 67114

Reference:
 JB WILKINSON 1

Description of Work:
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 585.47	No				
Common-Class A	160	\$ 2,127.82	Yes				
Calcium Chloride	8	\$ 356.73	Yes				
Pump Truck Mileage-Job to Nearest Camp	57	\$ 251.16	No				
POZ Mix-Standard	40	\$ 224.32	Yes				
Bulk Truck Matl-Material Service Charge	214	\$ 171.44	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	57	\$ 159.83	No				
Premium Gel (Bentonite)	6	\$ 78.26	Yes				

Invoice Terms:

Net 30

	SubTotal:	\$ 3,955.02
	Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$ (98.88)
<hr/>		
	SubTotal for Taxable Items:	\$ 2,717.44
	SubTotal for Non-Taxable Items:	\$ 1,138.70
<hr/>		
	Total:	\$ 3,856.14
	Tax:	\$ 230.98
<hr/>		
	8.50% Scott County Sales Tax	

Thank You For Your Business!

Amount Due: \$ 4,087.12
Applied Payments:
Balance Due: \$ 4,087.12

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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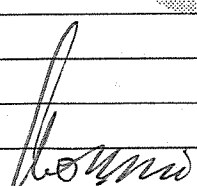
QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 1327

Date	3-5-16	Sec.	21	Twp.	17	Range	30	County	Scott	State	Ks	On Location		Finish	2:15 PM
Lease								Location		Modoc, Ks - N to The Dead end					
J+B Wilkerson								Well No.	1						
Contractor								Owner							
WW #2								1/2 E, 5 1/2 N, W1/4							
Type Job								To Quality Oilwell Cementing, Inc.							
Surface								You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size				T.D.		Charge To		Palamino Petroleum							
12 1/4"				345'		Palamino Petroleum									
Csg.				Depth		Street									
8 5/8"				345'											
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									
15'				15'		200 80/20 3% cc 2 1/2 60'									
Meas Line				Displace											
				21 BLS											
EQUIPMENT															
Pumptrk		No.		Cementer		Helper		Common		160					
5				Brett				Poz. Mix		40					
Bulktrk		No.		Driver		Driver		Gel.		6					
9				Rick				Calcium		8					
Bulktrk		No.		Driver		Driver		Hulls							
								Salt							
JOB SERVICES & REMARKS															
Remarks:		Cement did Circulate													
Rat Hole		Flowseal													
Mouse Hole		Kol-Seal													
Centralizers		Mud CLR 48													
Baskets		CFL-117 or CD110 CAF 38													
D/V or Port Collar		Sand													
		Handling 214													
		Mileage													
FLOAT EQUIPMENT															
		Guide Shoe													
		Centralizer													
		Baskets													
		AFU Inserts													
		Float Shoe													
		Latch Down													
		Pumptrk Charge										Surface			
		Mileage										57			
Signature 												Tax			
												Discount			
												Total Charge			



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

Date: 3/15/2016
 Invoice # 1330

P.O.#:
 Due Date: 4/14/2016
 Division: Russell

Invoice

RECEIVED
MAR 18 2016

Contact:
 Palomino Petroleum Inc
Address/Job Location:

4924 SE 84th
 Newton Ks 67114

Reference:
 J B WILKINSON 1

Description of Work:
 PLUG JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 585.47	Yes				
Common-Class A	174	\$ 2,314.00	Yes				
POZ Mix-Standard	116	\$ 650.52	Yes				
Pump Truck Mileage-Job to Nearest Camp	56	\$ 246.75	Yes				
Bulk Truck Matl-Material Service Charge	300	\$ 240.34	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	56	\$ 157.02	Yes				
Premium Gel (Bentonite)	10	\$ 130.43	Yes				
Flo Seal	72	\$ 115.36	Yes				
4 1/2" Top Rubber Plug	1	\$ 30.44	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 4,470.34
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (111.76)

SubTotal for Taxable Items:	\$ 4,358.58
SubTotal for Non-Taxable Items:	\$ -
Total:	\$ 4,358.58
Tax:	\$ 370.48

8.50% Scott County Sales Tax

Thank You For Your Business!

Amount Due: \$ 4,729.06
Applied Payments:
Balance Due: \$ 4,729.06

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.

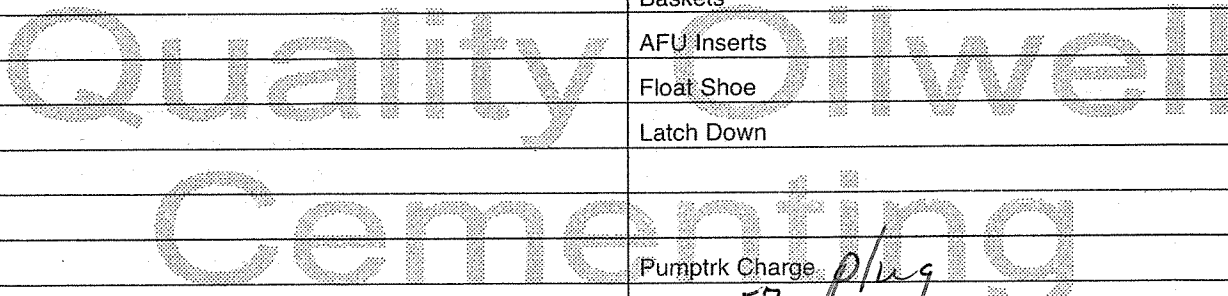
Federal Tax I.D.# 20-2886107

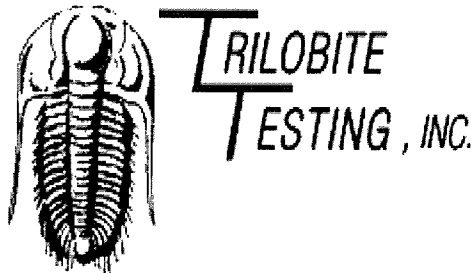
Phone 785-483-2025
Cell 785-324-1041

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

No. 1330

Date	3-15-16	Sec.	21	Twp.	17	Range	34	County	Scott	State	Ks	On Location		Finish	2:30 AM				
Lease								J+B Wilkinson		Location									
Well No.								1		Modoc, Ks - 1N, 1/2E, 4 1/2 N, W15									
Contractor								W W 2		Owner									
Type Job								Plug		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.									
Hole Size								7 7/8"		T.D.		4899'				Charge To		Palamino Petroleum	
Csg.										Depth		Street							
Tbg. Size								4 1/2" D.P.I.		Depth		2380'				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						290 60/40 4% Gel 1/4# Flowseal			
Meas Line								Displace		H2O/mud									
EQUIPMENT												Common				174			
Pumptrk		18		No.		Cementer Helper		Craig		Poz. Mix		116							
Bulktrk		21		No.		Driver		Dougy		Gel.		10							
Bulktrk		pu		No.		Driver		Rick		Calcium									
JOB SERVICES & REMARKS												Hulls							
Remarks:												2380' - 50 SX							
Rat Hole												1340' - 80 SX							
Mouse Hole												700' - 40 SX							
Centralizers												360' - 50 SX							
Baskets												60' - 20 SX							
D/V or Port Collar												Rathole w/ 30 SX							
Cement did												Circulate							
												Handling				300			
												Mileage							
FLOAT EQUIPMENT																			
												Guide Shoe							
												Centralizer							
												Baskets							
												AFU Inserts							
												Float Shoe							
												Latch Down							
												Pumptrk Charge				plug			
												Mileage				57			
Signature												Tax							
												Discount							
												Total Charge							





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton KS 67114

ATTN: Ryan Seib

J&B Wilkinson #1

21-17s-34w Scott,KS

Start Date: 2016.03.07 @ 23:16:00

End Date: 2016.03.08 @ 06:13:45

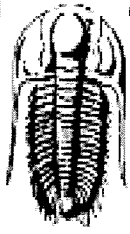
Job Ticket #: 64638 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.03.15 @ 13:45:00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum

4924 SE 84th St
New ton KS 67114

ATTN: Ryan Seib

21-17s-34w Scott,KS

J&B Wilkinson #1

Job Ticket: 64638 DST#: 1

Test Start: 2016.03.07 @ 23:16:00

GENERAL INFORMATION:

Formation: **Chase**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:50:00

Time Test Ended: 06:13:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 69

Interval: **2737.00 ft (KB) To 3052.00 ft (KB) (TVD)**

Reference Elevations: 3161.00 ft (KB)

Total Depth: 3052.00 ft (KB) (TVD)

3156.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8365 Inside

Press@RunDepth: psig @ 2738.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.03.07

End Date:

2016.03.08

Last Calib.:

2016.03.08

Start Time: 23:16:05

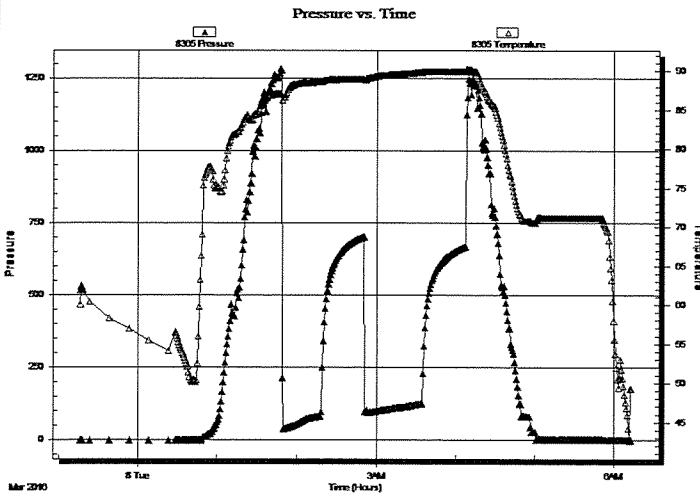
End Time:

06:13:44

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 4 1/2".
IS: No return.
FF: 2 1/2".
FS: No return.



PRESSURE SUMMARY

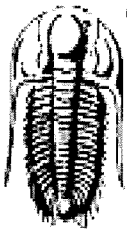
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
230.00	Mud 100m	2.14

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

21-17s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

J&B Wilkinson #1

Job Ticket: 64638

DST#: 1

ATTN: Ryan Seib

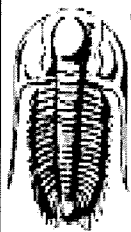
Test Start: 2016.03.07 @ 23:16:00

Tool Information

Drill Pipe:	Length: 2604.00 ft	Diameter: 3.80 inches	Volume: 36.53 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: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 67000.00 lb
			Total Volume: 37.12 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	2737.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	315.00 ft			
Tool Length:	345.00 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			2708.00	
Shut In Tool	5.00			2713.00	
Sampler	3.00			2716.00	
Hydraulic tool	5.00			2721.00	
Jars	5.00			2726.00	
Safety Joint	2.00			2728.00	
Packer	5.00			2733.00	30.00 Bottom Of Top Packer
Packer	4.00			2737.00	
Stubb	1.00			2738.00	
Recorder	0.00	8365	Inside	2738.00	
Recorder	0.00	8522	Outside	2738.00	
Perforations	24.00			2762.00	
Change Over Sub	1.00			2763.00	
Drill Pipe	285.00			3048.00	
Change Over Sub	1.00			3049.00	
Bullnose	3.00			3052.00	315.00 Bottom Packers & Anchor
Total Tool Length:	345.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

21-17s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

J&B Wilkinson #1

Job Ticket: 64638 **DST#: 1**

ATTN: Ryan Seib

Test Start: 2016.03.07 @ 23:16:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
230.00	Mud 100m	2.142

Total Length: 230.00 ft Total Volume: 2.142 bbl

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

Laboratory Name: Laboratory Location:

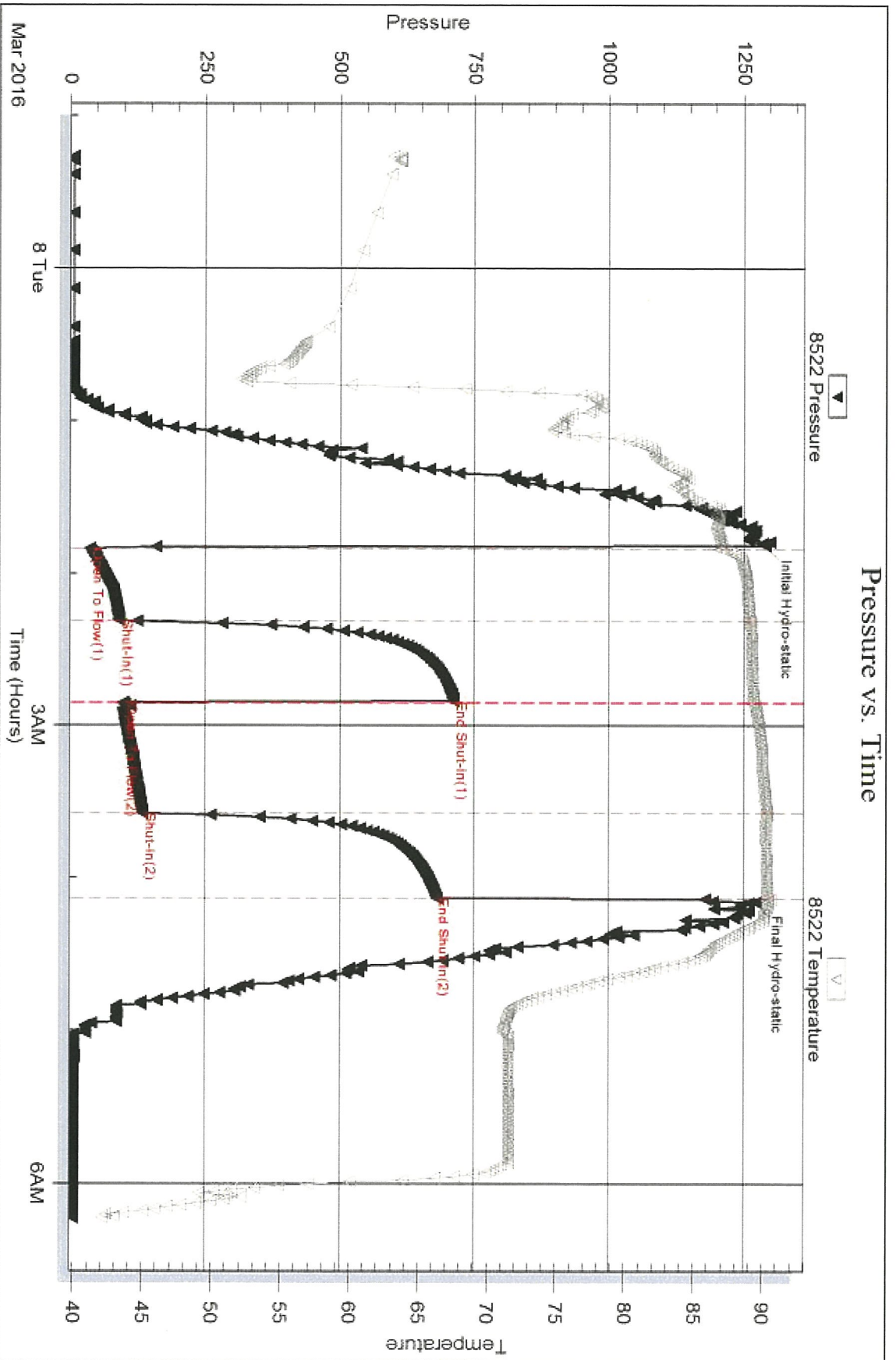
Recovery Comments: Sampler had 200psig all samples went with Company man.

Serial #: 8522

Outside Palomino Petroleum

J&B Wilkinson #1

OST Test Number: 1



Tribble Testing, Inc

Ref. No: 64638

Printed: 2016 03 15 @ 13:45:02

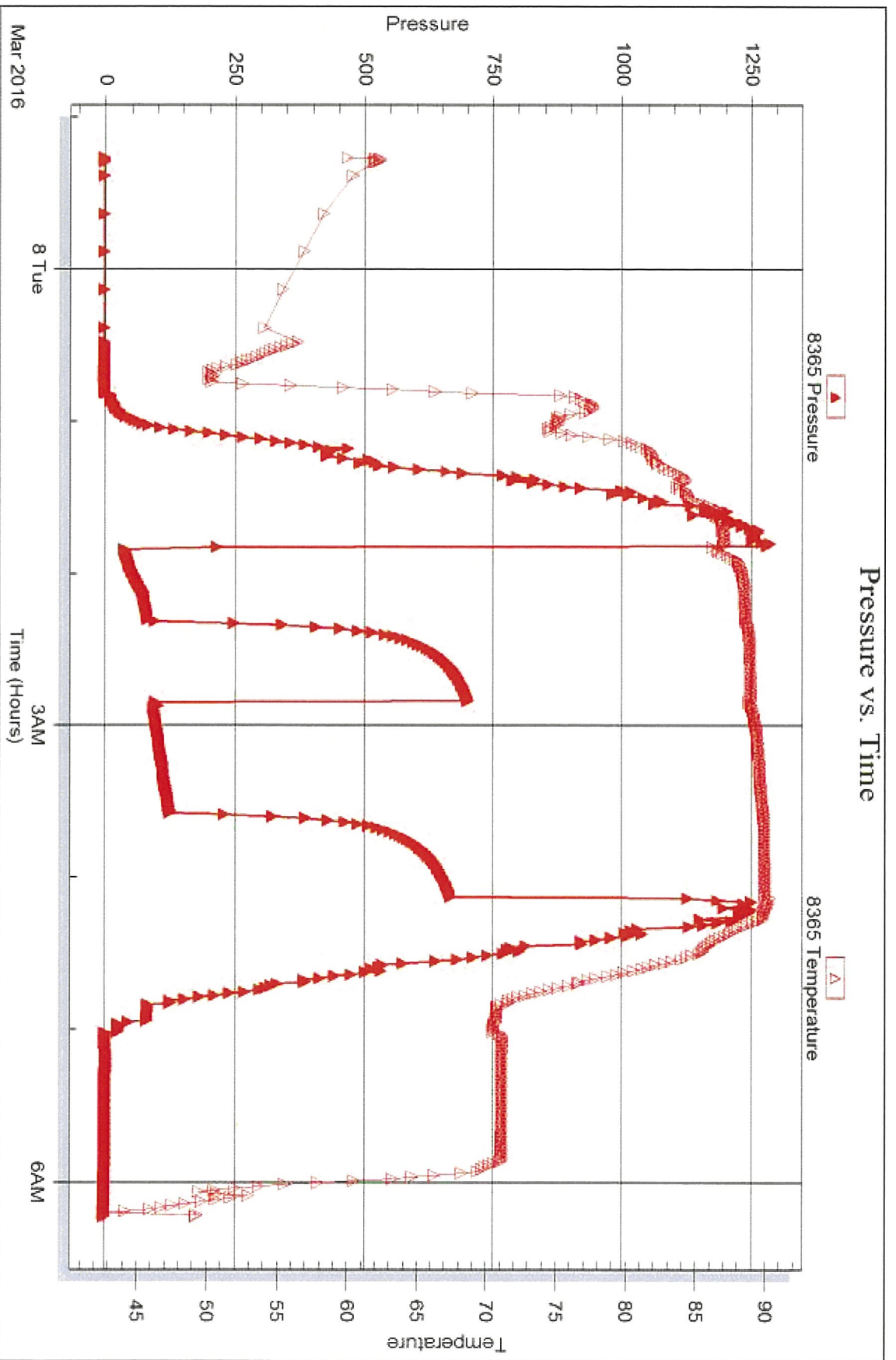
Serial #: 8365

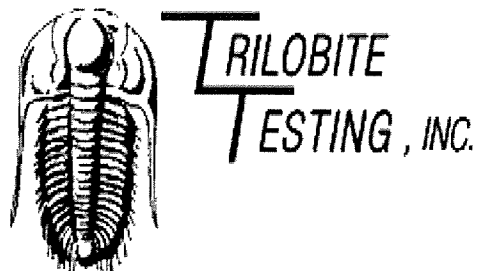
Inside

Palomino Petroleum

J&B Wilkinson #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton KS 67114

ATTN: Ryan Seib

J&B Wilkinson #1

21-17s-34w Scott,KS

Start Date: 2016.03.10 @ 06:35:00

End Date: 2016.03.10 @ 11:52:13

Job Ticket #: 64639 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.03.15 @ 13:44:36

Palomino Petroleum

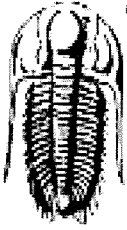
21-17s-34w Scott,KS

J&B Wilkinson #1

DST # 2

LKC C - D

2016.03.10



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

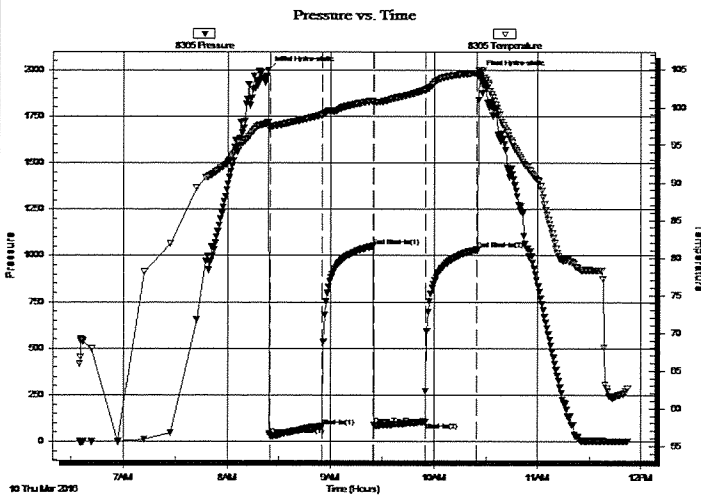
21-17s-34w Scott,KS
J&B Wilkinson #1
 Job Ticket: 64639 **DST#: 2**
 Test Start: 2016.03.10 @ 06:35:00

GENERAL INFORMATION:

Formation: **LKC C - D**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:24:30
 Time Test Ended: 11:52:13
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Bradley Walter
 Unit No: 69
 Interval: **3978.00 ft (KB) To 4050.00 ft (KB) (TVD)**
 Total Depth: 4050.00 ft (KB) (TVD)
 Reference Elevations: 3161.00 ft (KB)
 3156.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good
 KB to GR/CF: 5.00 ft

Serial #: 8365 Inside
 Press@RunDepth: 105.74 psig @ 3979.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.03.10 End Date: 2016.03.10 Last Calib.: 2016.03.10
 Start Time: 06:35:05 End Time: 11:52:13 Time On Btm: 2016.03.10 @ 08:23:45
 Time Off Btm: 2016.03.10 @ 10:26:15

TEST COMMENT: IF: 3" blow.
 IS: No return.
 FF: 2" blow.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1999.95	97.99	Initial Hydro-static
1	31.43	97.45	Open To Flow (1)
31	80.00	98.97	Shut-In(1)
61	1051.43	100.87	End Shut-In(1)
61	86.53	100.67	Open To Flow (2)
91	105.74	102.32	Shut-In(2)
121	1033.04	104.58	End Shut-In(2)
123	1976.12	104.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
185.00	w cm 25w 75m (oil spots)	1.51

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

21-17s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

J&B Wilkinson #1

Job Ticket: 64639

DST#: 2

ATTN: Ryan Seib

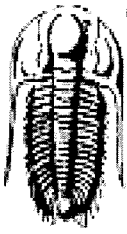
Test Start: 2016.03.10 @ 06:35:00

Tool Information

Drill Pipe:	Length: 3840.00 ft	Diameter: 3.80 inches	Volume: 53.87 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 54.46 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	3978.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	99.00 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			3952.00	
Shut In Tool	5.00			3957.00	
Hydraulic tool	5.00			3962.00	
Jars	5.00			3967.00	
Safety Joint	2.00			3969.00	
Packer	5.00			3974.00	27.00 Bottom Of Top Packer
Packer	4.00			3978.00	
Stubb	1.00			3979.00	
Recorder	0.00	8365	Inside	3979.00	
Recorder	0.00	8522	Outside	3979.00	
Perforations	3.00			3982.00	
Change Over Sub	1.00			3983.00	
Drill Pipe	63.00			4046.00	
Change Over Sub	1.00			4047.00	
Bullnose	3.00			4050.00	72.00 Bottom Packers & Anchor
Total Tool Length:	99.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

21-17s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

J&B Wilkinson #1

Job Ticket: 64639

DST#: 2

ATTN: Ryan Seib

Test Start: 2016.03.10 @ 06:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

32000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
185.00	w cm 25w 75m (oil spots)	1.511

Total Length: 185.00 ft Total Volume: 1.511 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

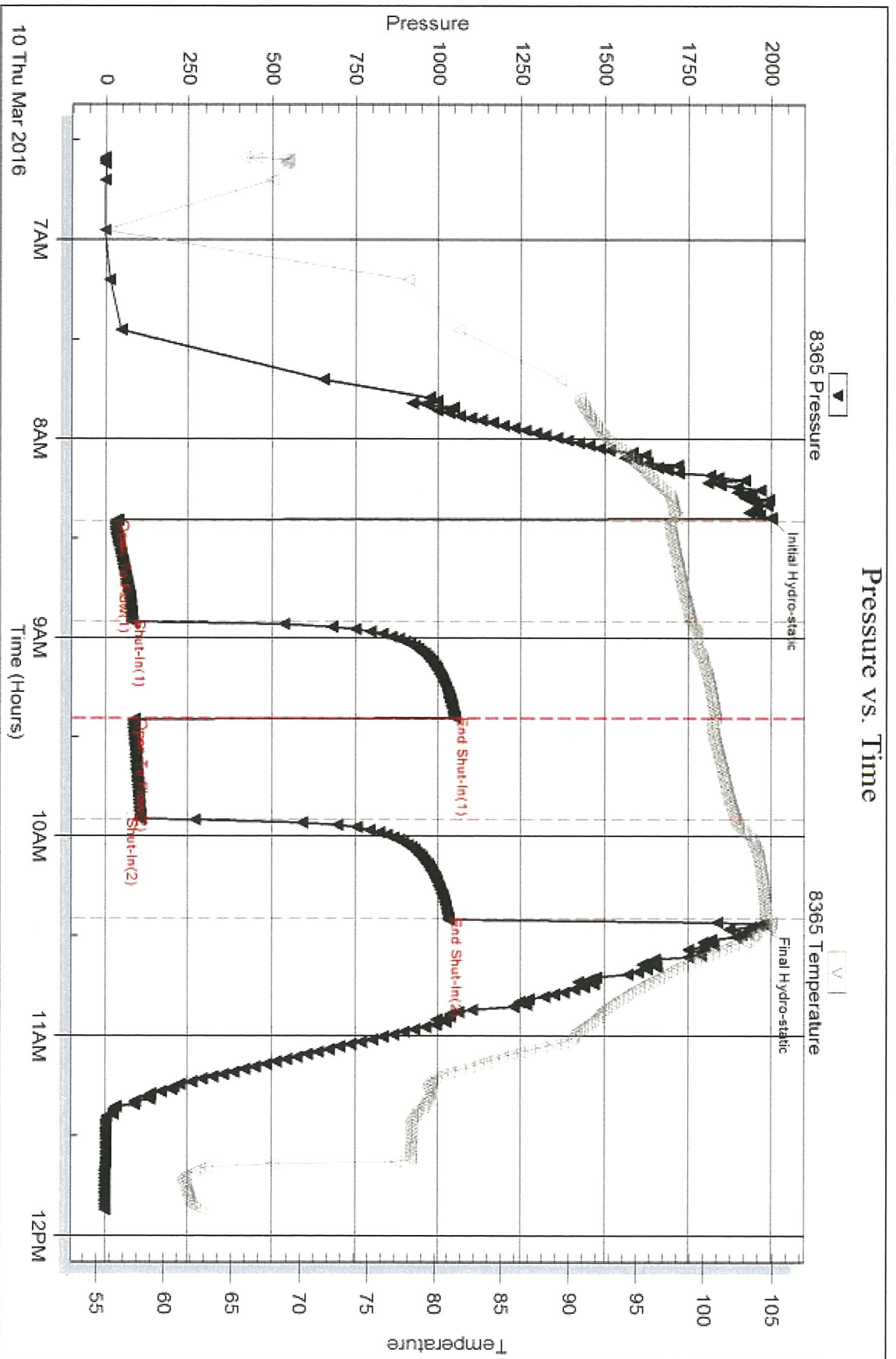
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .250 @ 60 = 32000ppm

Pressure vs. Time

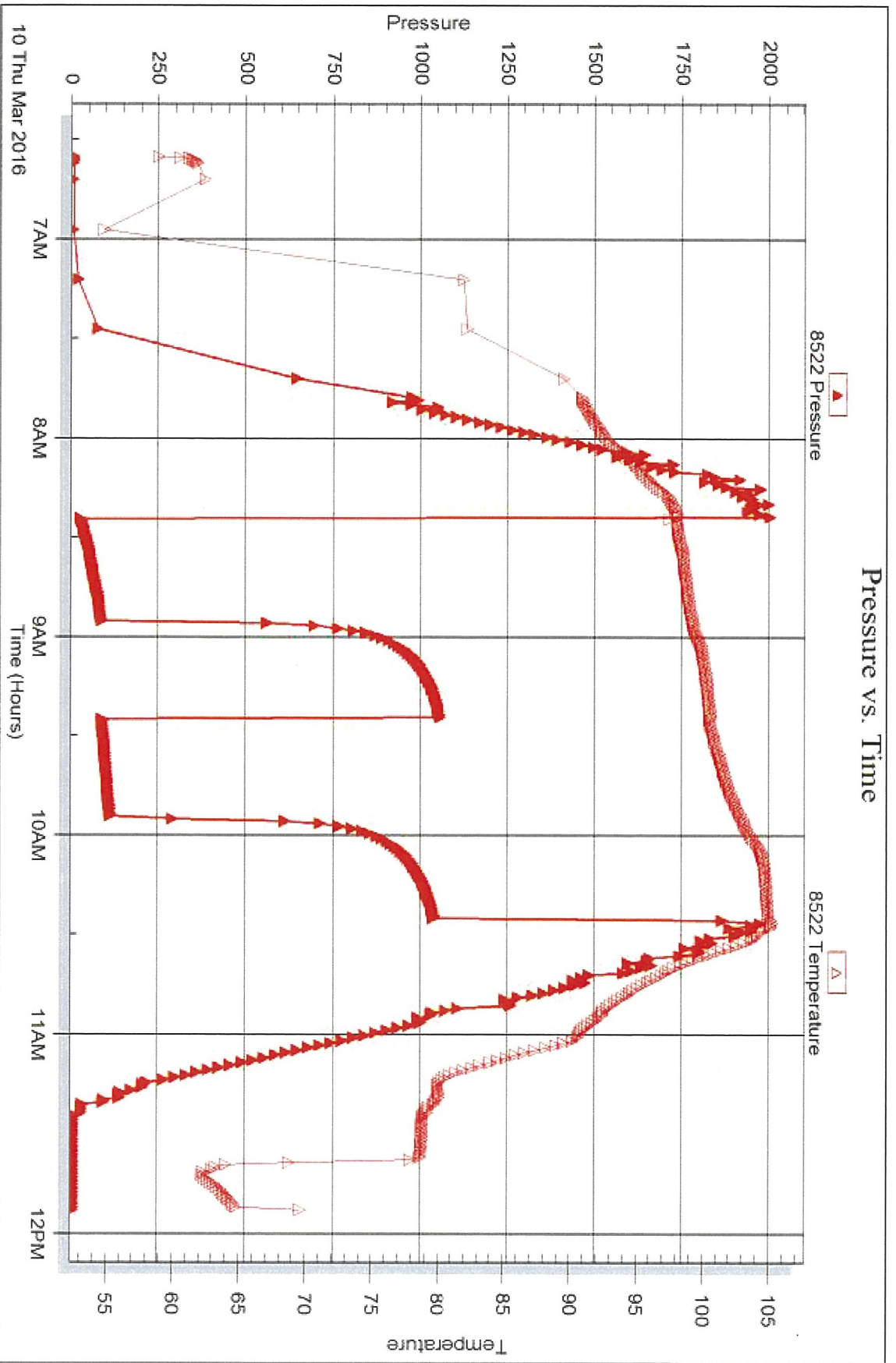


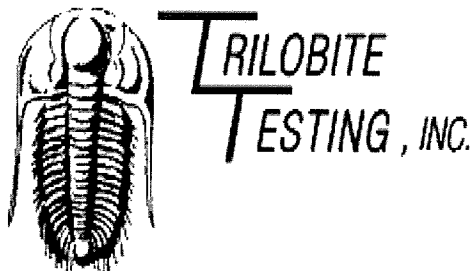
Serial #: 8522

Outside Palomino Petroleum

J&B Wilkison #1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton KS 67114

ATTN: Ryan Seib

J&B Wilkinson #1

21-17s-34w Scott,KS

Start Date: 2016.03.11 @ 05:12:00

End Date: 2016.03.11 @ 10:14:00

Job Ticket #: 64640 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.03.15 @ 13:44:14

Palomino Petroleum

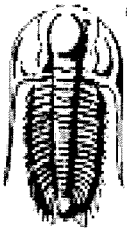
21-17s-34w Scott,KS

J&B Wilkinson #1

DST # 3

LKC 1 - J

2016.03.11



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

21-17s-34w Scott,KS
J&B Wilkinson #1
 Job Ticket: 64640 **DST#: 3**
 Test Start: 2016.03.11 @ 05:12:00

GENERAL INFORMATION:

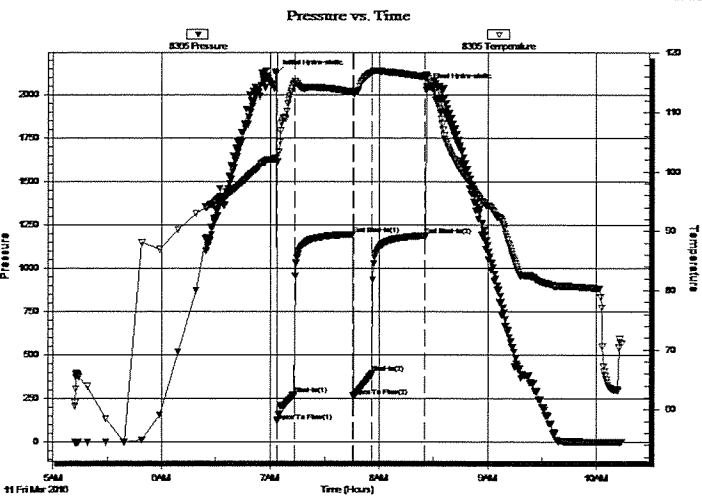
Formation: **LKC I - J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:03:45
 Time Test Ended: 10:14:00
 Interval: **4174.00 ft (KB) To 4235.00 ft (KB) (TVD)**
 Total Depth: **4235.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 69
 Reference Elevations: 3161.00 ft (KB)
 3156.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8365

Inside

Press@RunDepth: 393.15 psig @ 4175.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.03.11 End Date: 2016.03.11 Last Calib.: 2016.03.11
 Start Time: 05:12:05 End Time: 10:13:59 Time On Btm: 2016.03.11 @ 07:03:15
 Time Off Btm: 2016.03.11 @ 08:26:00

TEST COMMENT: IF: BOB at 2 min.
 IS: No return.
 FF: BOB at 2 min.
 IS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2124.30	102.26	Initial Hydro-static
1	119.79	101.58	Open To Flow (1)
10	274.52	114.79	Shut-In(1)
42	1196.63	113.37	End Shut-In(1)
42	263.67	113.07	Open To Flow (2)
53	393.15	116.66	Shut-In(2)
82	1189.81	115.92	End Shut-In(2)
83	2046.56	116.17	Final Hydro-static

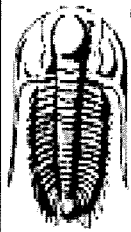
Recovery

Length (ft)	Description	Volume (bbl)
800.00	mcw 15m 85w (Oil spots)	10.14

* 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

21-17s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

J&B Wilkinson #1

Job Ticket: 64640

DST#: 3

ATTN: Ryan Seib

Test Start: 2016.03.11 @ 05:12:00

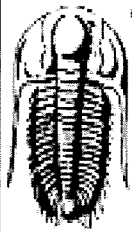
Tool Information

Drill Pipe:	Length: 4060.00 ft	Diameter: 3.80 inches	Volume: 56.95 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 78000.00 lb
			<u>Total Volume: 57.54 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4174.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.00 ft			
Tool Length:	88.00 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			4148.00	
Shut In Tool	5.00			4153.00	
Hydraulic tool	5.00			4158.00	
Jars	5.00			4163.00	
Safety Joint	2.00			4165.00	
Packer	5.00			4170.00	27.00 Bottom Of Top Packer
Packer	4.00			4174.00	
Stubb	1.00			4175.00	
Recorder	0.00	8365	Inside	4175.00	
Recorder	0.00	8522	Outside	4175.00	
Perforations	24.00			4199.00	
Change Over Sub	1.00			4200.00	
Drill Pipe	31.00			4231.00	
Change Over Sub	1.00			4232.00	
Bullnose	3.00			4235.00	61.00 Bottom Packers & Anchor

Total Tool Length: 88.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

21-17s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

J&B Wilkinson #1

Job Ticket: 64640

DST#: 3

ATTN: Ryan Seib

Test Start: 2016.03.11 @ 05:12:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

53000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
800.00	mcw 15m 85w (Oil spots)	10.138

Total Length: 800.00 ft Total Volume: 10.138 bbl

Num Fluid Samples: 0

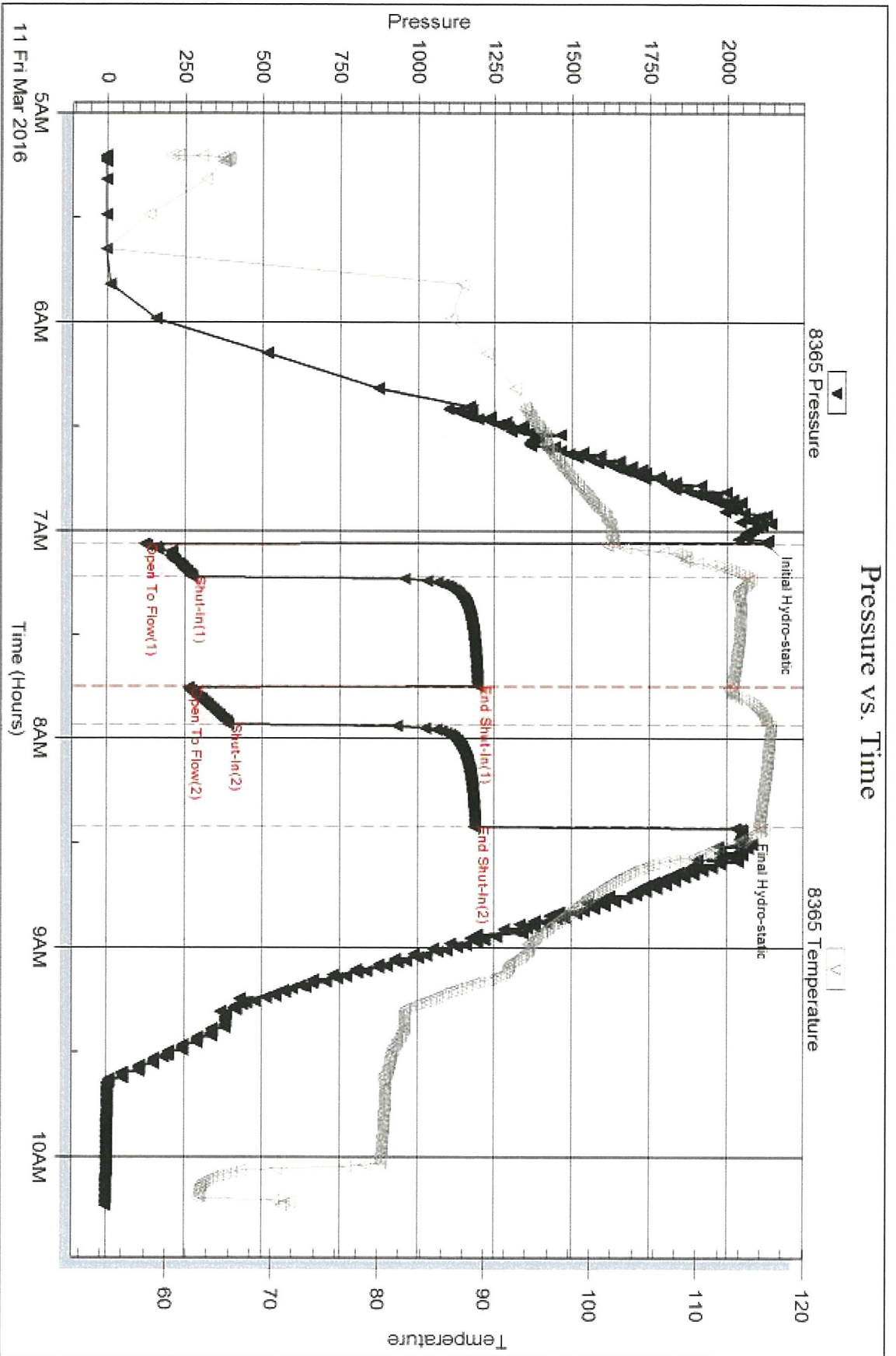
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .280 @ 48F= 53000ppm

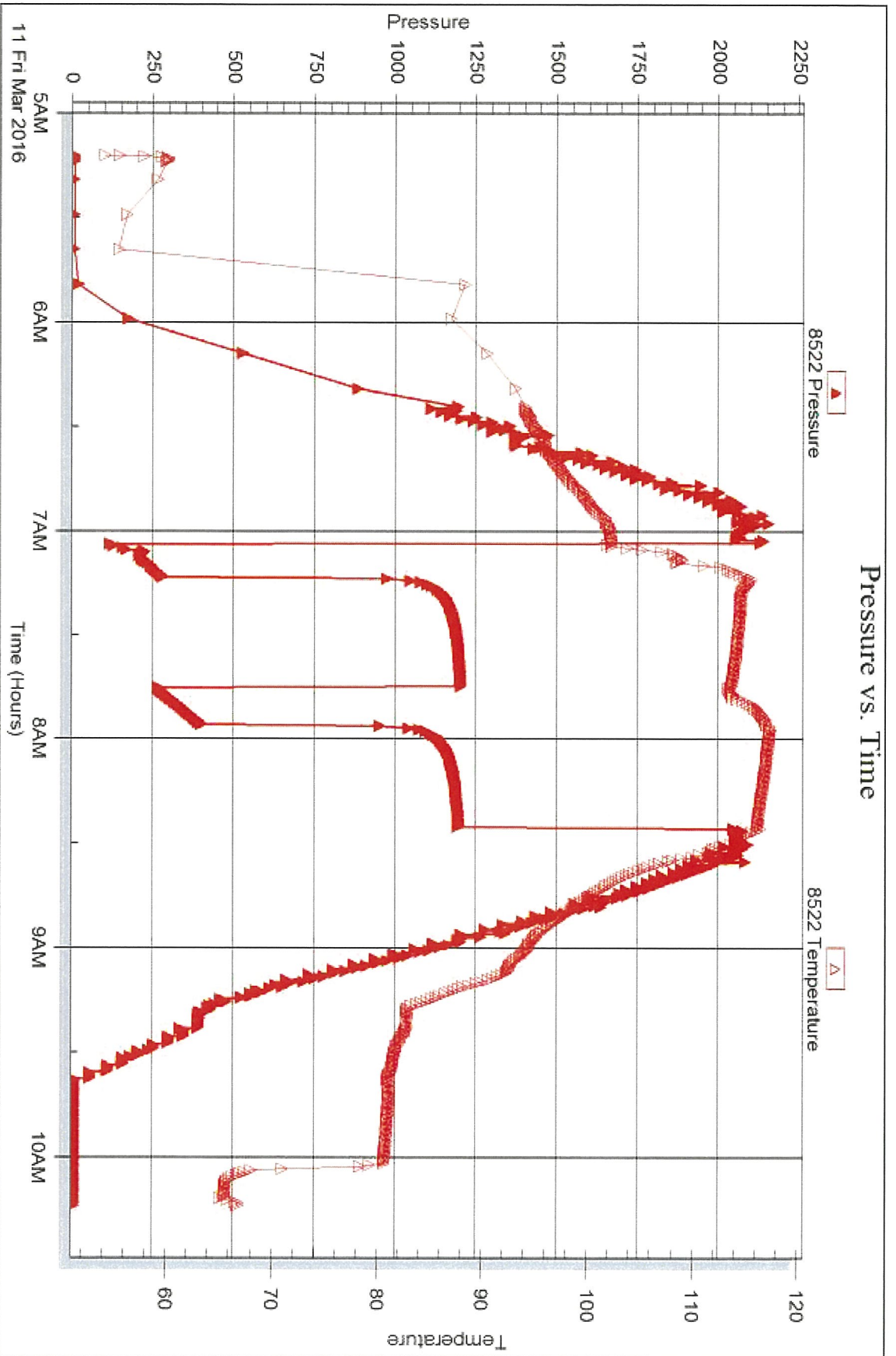


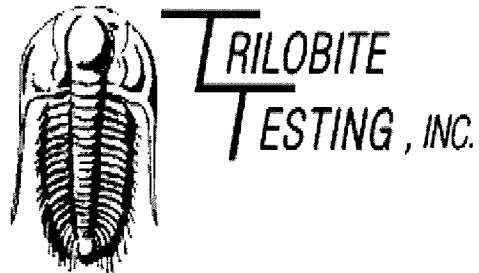
Serial #: 8522

Outside Palomino Petroleum

J&B Wilkinson #1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton KS 67114

ATTN: Ryan Seib

J&B Wilkinson #1

21-17s-34w Scott,KS

Start Date: 2016.03.11 @ 20:09:00

End Date: 2016.03.12 @ 01:56:45

Job Ticket #: 64641 DST #: 4

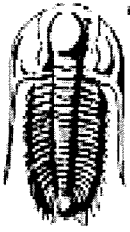
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.03.15 @ 13:43:03

Palomino Petroleum
21-17s-34w Scott,KS
J&B Wilkinson #1
DST # 4
LKC K-L
2016.03.11



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

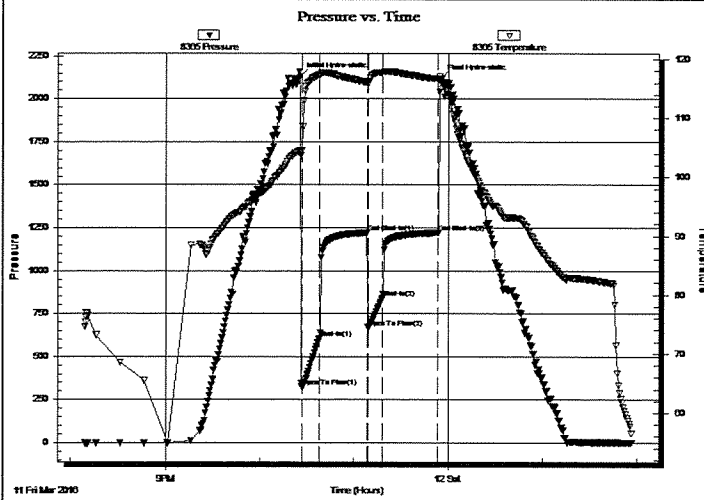
21-17s-34w Scott,KS
J&B Wilkinson #1
 Job Ticket: 64641 **DST#: 4**
 Test Start: 2016.03.11 @ 20:09:00

GENERAL INFORMATION:

Formation: **LKC K-L**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:27:00
 Time Test Ended: 01:56:45
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 69
 Interval: **4242.00 ft (KB) To 4340.00 ft (KB) (TVD)**
 Total Depth: 4340.00 ft (KB) (TVD)
 Reference Elevations: 3161.00 ft (KB)
 3156.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good
 KB to GR/CF: 5.00 ft

Serial #: 8365 **Inside**
 Press@RunDepth: 839.98 psig @ 4243.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.03.11 End Date: 2016.03.12 Last Calib.: 2016.03.12
 Start Time: 20:09:05 End Time: 01:56:44 Time On Btm: 2016.03.11 @ 22:26:00
 Time Off Btm: 2016.03.11 @ 23:55:15

TEST COMMENT: IF: BOB at 45 sec.
 IS: No return.
 FF: BOB at 1 min.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2130.32	104.40	Initial Hydro-static
1	323.59	104.45	Open To Flow (1)
13	604.99	117.32	Shut-In(1)
43	1222.48	116.09	End Shut-In(1)
43	666.40	115.76	Open To Flow (2)
53	839.98	117.76	Shut-In(2)
87	1221.69	116.66	End Shut-In(2)
90	2119.66	116.54	Final Hydro-static

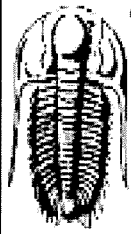
Recovery

Length (ft)	Description	Volume (bbl)
1770.00	mcw 5m 95w (oil spots)	23.74

* 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

21-17s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

J&B Wilkinson #1

Job Ticket: 64641

DST#: 4

ATTN: Ryan Seib

Test Start: 2016.03.11 @ 20:09:00

Tool Information

Drill Pipe:	Length: 4120.00 ft	Diameter: 3.80 inches	Volume: 57.79 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: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 58.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4242.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	98.00 ft			
Tool Length:	125.00 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			4216.00	
Shut In Tool	5.00			4221.00	
Hydraulic tool	5.00			4226.00	
Jars	5.00			4231.00	
Safety Joint	2.00			4233.00	
Packer	5.00			4238.00	27.00 Bottom Of Top Packer
Packer	4.00			4242.00	
Stubb	1.00			4243.00	
Recorder	0.00	8365	Inside	4243.00	
Recorder	0.00	8522	Outside	4243.00	
Perforations	29.00			4272.00	
Change Over Sub	1.00			4273.00	
Drill Pipe	63.00			4336.00	
Change Over Sub	1.00			4337.00	
Bullnose	3.00			4340.00	98.00 Bottom Packers & Anchor
Total Tool Length:	125.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

21-17s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

J&B Wilkinson #1

Job Ticket: 64641

DST#: 4

ATTN: Ryan Seib

Test Start: 2016.03.11 @ 20:09:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

49000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
1770.00	mcw 5m 95w (oil spots)	23.744

Total Length: 1770.00 ft Total Volume: 23.744 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .220 @ 51F = 49,000ppm

Serial #: 8365

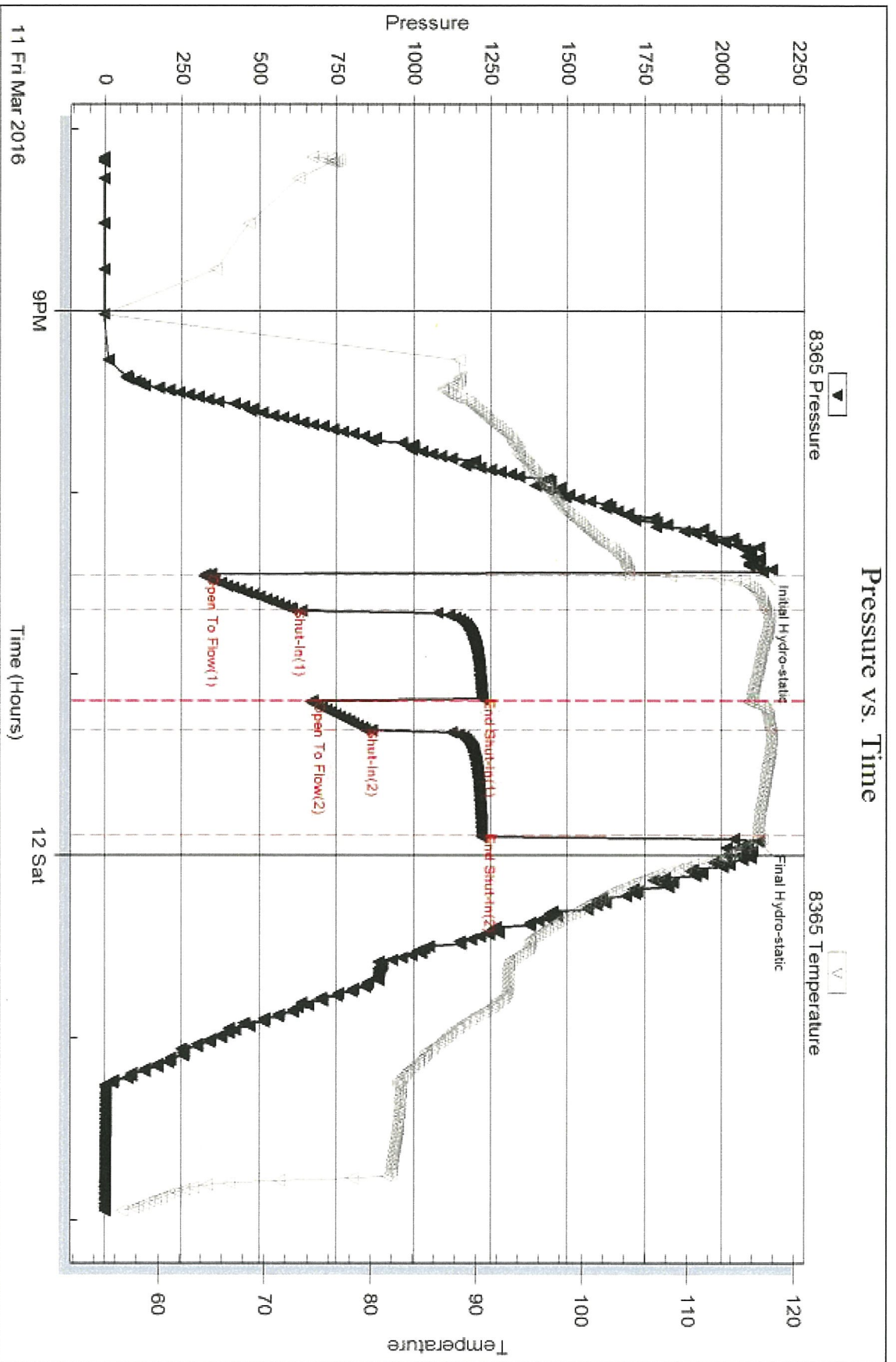
Inside

Palomino Petroleum

J&B Wilkinson #1

OST Test Number: 4

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 64641

Printed: 2016.03.15 @ 13:43:04

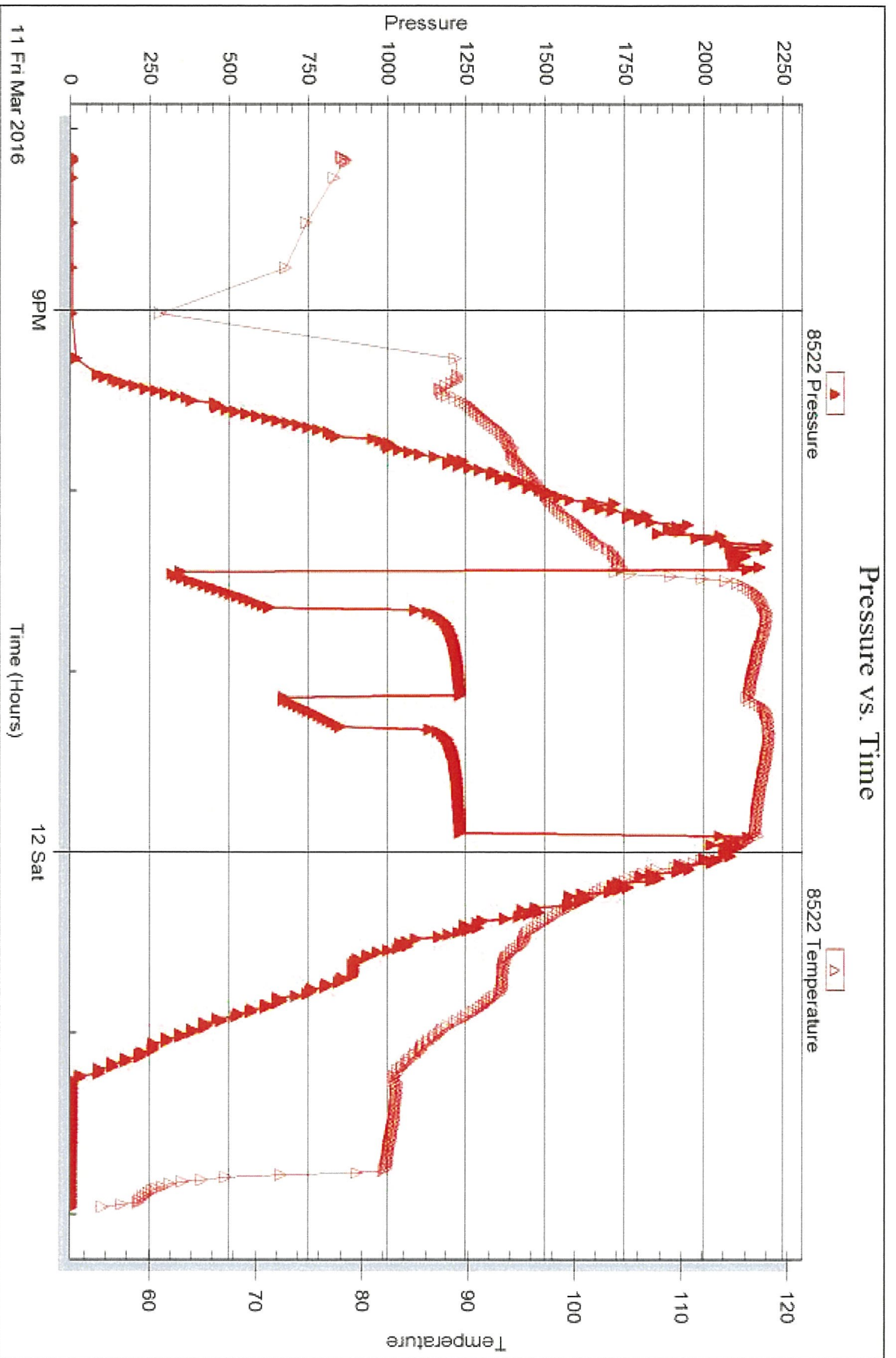
Serial #: 8522

Outside

Palomino Petroleum

J&B Wilkinson #1

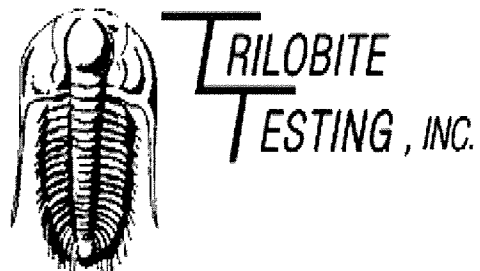
DST Test Number: 4



Triobite Testing, Inc

Ref. No: 64641

Printed: 2016.03.15 @ 13:43:04



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton KS 67114

ATTN: Ryan Seib

J&B Wilkinson #1

21-17s-34w Scott,KS

Start Date: 2016.03.12 @ 15:18:00

End Date: 2016.03.12 @ 21:28:45

Job Ticket #: 64642 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.03.15 @ 13:42:46

Palomino Petroleum

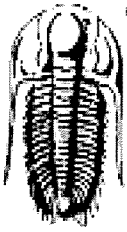
21-17s-34w Scott,KS

J&B Wilkinson #1

DST # 5

Marmaton

2016.03.12



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum

21-17s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

J&B Wilkinson #1

Job Ticket: 64642

DST#: 5

ATTN: Ryan Seib

Test Start: 2016.03.12 @ 15:18:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:32:45

Time Test Ended: 21:28:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: **4369.00 ft (KB) To 4480.00 ft (KB) (TVD)**

Total Depth: 4480.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3161.00 ft (KB)

3156.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8365 Inside

Press@RunDepth: 90.63 psig @ 4370.00 ft (KB)

Start Date: 2016.03.12

End Date: 2016.03.12

Start Time: 15:42:05

End Time: 21:52:44

Capacity: 8000.00 psig

Last Calib.: 2016.03.12

Time On Btm: 2016.03.12 @ 17:56:00

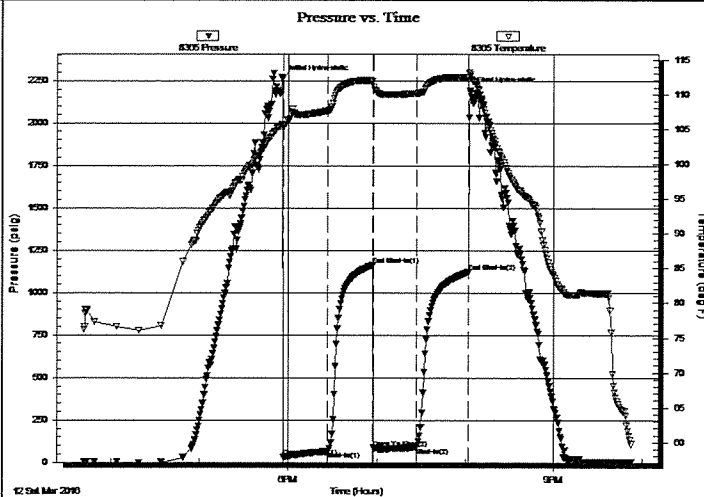
Time Off Btm: 2016.03.12 @ 20:03:15

TEST COMMENT: IF: 6" blow.

ISI: Surface return, died at 15.

FF: 5" blow.

FSI: Surface return, died at 15 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2262.74	105.72	Initial Hydro-static
1	34.16	105.16	Open To Flow (1)
31	65.10	107.64	Shut-In(1)
61	1160.84	111.95	End Shut-In(1)
62	86.19	111.04	Open To Flow (2)
91	90.63	110.15	Shut-In(2)
127	1121.79	112.53	End Shut-In(2)
128	2190.74	112.86	Final Hydro-static

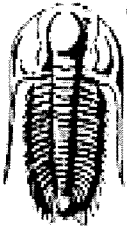
Recovery

Length (ft)	Description	Volume (bbl)
70.00	gmco 30g 30m 40o	0.34
120.00	gmco 30g 10m 60o	1.24
0.00	180' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

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

21-17s-34w Scott,KS
J&B Wilkinson #1
Job Ticket: 64642 **DST#: 5**
Test Start: 2016.03.12 @ 15:18:00

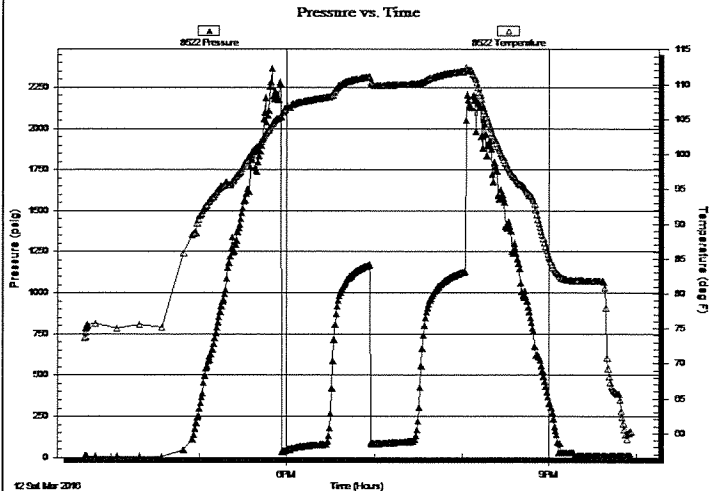
GENERAL INFORMATION:

Formation: Marmaton	Test Type: Conventional Bottom Hole (Reset)
Deviated: No Whipstock: ft (KB)	Tester: Bradley Walter
Time Tool Opened: 17:32:45	Unit No: 69
Time Test Ended: 21:28:45	Reference Elevations: 3161.00 ft (KB)
Interval: 4369.00 ft (KB) To 4480.00 ft (KB) (TVD)	3156.00 ft (CF)
Total Depth: 4480.00 ft (KB) (TVD)	KB to GR/CF: 5.00 ft
Hole Diameter: 7.88 inches Hole Condition: Good	

Serial #: 8522 Outside

Press@RunDepth: psig @ 4370.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2016.03.12 End Date: 2016.03.12	Last Calib.: 2016.03.12
Start Time: 15:42:05 End Time: 21:55:59	Time On Btm: Time Off Btm:

TEST COMMENT: IF: 6" blow.
IS: Surface return, died at 15.
FF: 5" blow.
FSI: Surface return, died at 15 min.



PRESSURE SUMMARY

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

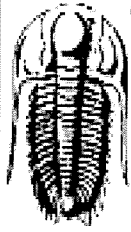
Recovery

Length (ft)	Description	Volume (bbl)
70.00	gmco 30g 30m 40o	0.34
120.00	gmco 30g 10m 60o	1.24
0.00	180' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

21-17s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

J&B Wilkinson #1

Job Ticket: 64642

DST#: 5

ATTN: Ryan Seib

Test Start: 2016.03.12 @ 15:18:00

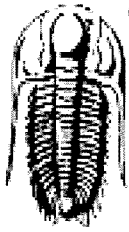
Tool Information

Drill Pipe:	Length: 4250.00 ft	Diameter: 3.80 inches	Volume: 59.62 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 60.21 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	4369.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	111.00 ft			
Tool Length:	138.00 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			4343.00	
Shut In Tool	5.00			4348.00	
Hydraulic tool	5.00			4353.00	
Jars	5.00			4358.00	
Safety Joint	2.00			4360.00	
Packer	5.00			4365.00	27.00 Bottom Of Top Packer
Packer	4.00			4369.00	
Stubb	1.00			4370.00	
Recorder	0.00	8365	Inside	4370.00	
Recorder	0.00	8522	Outside	4370.00	
Perforations	10.00			4380.00	
Change Over Sub	1.00			4381.00	
Drill Pipe	95.00			4476.00	
Change Over Sub	1.00			4477.00	
Bullnose	3.00			4480.00	111.00 Bottom Packers & Anchor

Total Tool Length: 138.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

21-17s-34w Scott,KS

4924 SE 84th St
New ton KS 67114

J&B Wilkinson #1

Job Ticket: 64642

DST#: 5

ATTN: Ryan Seib

Test Start: 2016.03.12 @ 15:18:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

20 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	gmco 30g 30m 40o	0.344
120.00	gmco 30g 10m 60o	1.237
0.00	180' GIP	0.000

Total Length: 190.00 ft

Total Volume: 1.581 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

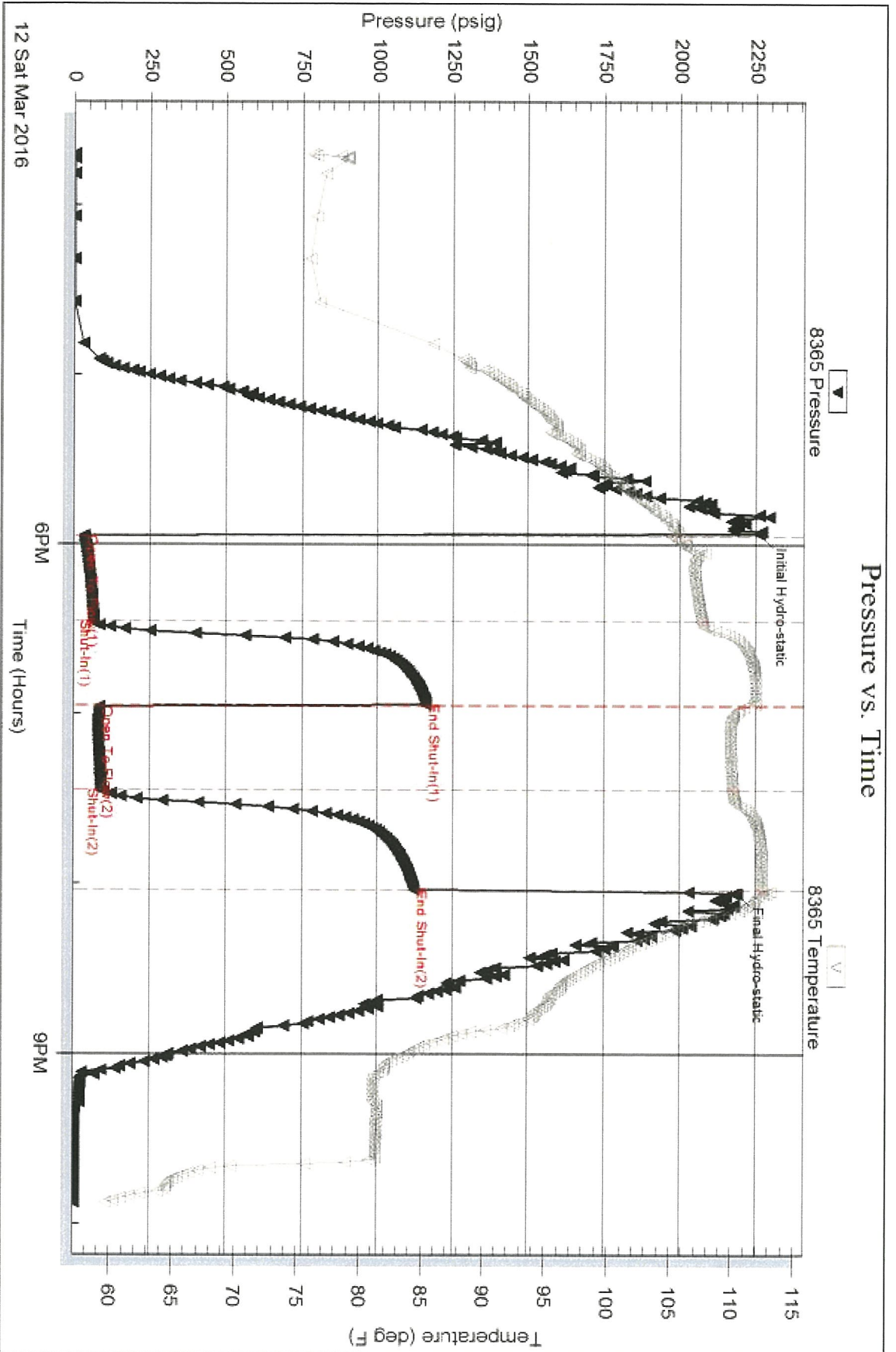
Serial #: 8365

Inside

Palomino Petroleum

J&B Wilkinson #1

DST Test Number: 5



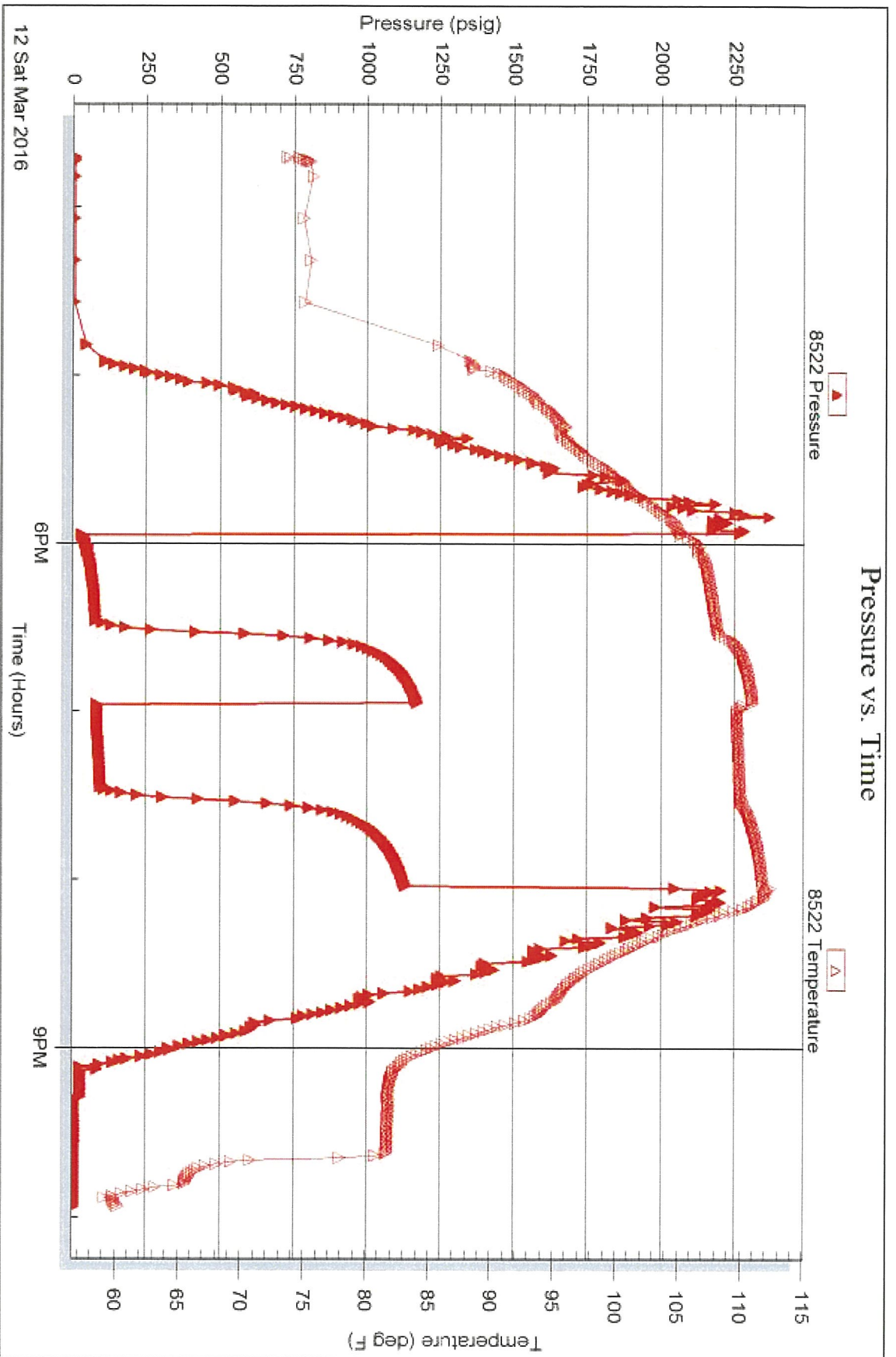
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Outside

Palomino Petroleum

J&B Wilkinson #1

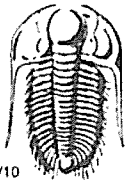
DST Test Number: 5



Trioble Testing, Inc

Ref. No: 64642

Printed: 2016 03 15 @ 13:42:49



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64638

Well Name & No. J & B Wilkinson # 1 Test No. 1 Date 3/03/2012
 Company Highlands Natural Resources Elevation 3161 KB 315.5 GL
 Address 50 S. Steele St. Ste 600 Denver, Co 80209
 Co. Rep / Geo. Paul Mendell Rig WW #2
 Location: Sec. 21 Twp. 17S Rge. 34W Co. Scott State KS

Interval Tested 2737 - 3052 Zone Tested Chase
 Anchor Length 315 Drill Pipe Run 2604 Mud Wt. 8.7
 Top Packer Depth 2742 Drill Collars Run 119 Vis 60
 Bottom Packer Depth 2737 Wt. Pipe Run 0 WL 6.4
 Total Depth 3052 Chlorides 6,000 ppm System LCM 1 #
 Blow Description IF 4 1/2" blow
ISI No return.
FF 2 1/2" blow
FSI No return

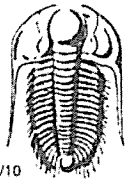
Rec	Feet of	%gas	%oil	%water	%mud
<u>230</u>	<u>MUD</u>			<u>100</u>	
	<u>Sampler samples sent</u>				
	<u>with Co, man 200 PSI</u>				

Rec Total 230 BHT 90 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>1291</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>2300</u>
(B) First Initial Flow <u>37</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>2316</u>
(C) First Final Flow <u>92</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0150</u>
(D) Initial Shut-In <u>713</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>0405</u>
(E) Second Initial Flow <u>100</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0614</u>
(F) Second Final Flow <u>134</u>	<input checked="" type="checkbox"/> Mileage <u>25 RT</u> <u>18.75</u>	Comments <u>1 Gas sample bottle sent with Co man</u>
(G) Final Shut-In <u>690</u>	<input checked="" type="checkbox"/> Sampler <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>1274</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
Final Flow <u>49</u>	<input type="checkbox"/> Extra Recorder	Total <u>1893.75</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't
	<input type="checkbox"/> Accessibility	
	Sub Total <u>1893.75</u>	

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64639

Well Name & No. J & B Wilkinson #1 Test No. 2 Date 3/10/2016
 Company Palomino Petroleum, Inc Elevation 3161 KB 3155 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Ryan Seib Rig WW #2
 Location: Sec. 21 Twp. 17S Rge. 34W Co. Scott State KS

Interval Tested 3978 - 4050 Zone Tested LKC G&D
 Anchor Length 72' Drill Pipe Run 3840 Mud Wt. 9.2
 Top Packer Depth 3973 Drill Collars Run 119 Vis 50
 Bottom Packer Depth 3978 Wt. Pipe Run 0 WL 9.6
 Total Depth 4050 Chlorides 9,000 ppm System LCM 2#

Blow Description JF: 3" blow
ISI: No return.
FF: 2" blow.
FSI: No return.

Rec	Feet of	(OIL SPOTS)	%gas	%oil	%water	%mud
<u>185</u>	<u>WCW</u>			<u>25</u>	<u>75</u>	
Rec	Feet of		%gas	%oil	%water	%mud
Rec	Feet of		%gas	%oil	%water	%mud
Rec	Feet of		%gas	%oil	%water	%mud
Rec	Feet of		%gas	%oil	%water	%mud

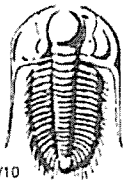
Rec Total 185 BHT 105 Gravity - API RW 1250 @ 60 °F Chlorides 32,000 ppm

(A) Initial Hydrostatic 2,000 Test 1150 T-On Location 0600
 (B) First Initial Flow 31 Jars 250 T-Started 0640
 (C) First Final Flow 80 Safety Joint 75 T-Open 0924
 (D) Initial Shut-In 1051 Circ Sub _____ T-Pulled 1024
 (E) Second Initial Flow 87 Hourly Standby _____ T-Out 1153
 (F) Second Final Flow 106 Mileage 25RT 18.75 Comments _____
 (G) Final Shut-In 1033 Sampler _____
 (H) Final Hydrostatic 1976 Straddle _____

Initial Open 30 Shale Packer _____
 Initial Shut-In 30 Extra Packer _____
 Final Flow 30 Extra Recorder _____
 Final Shut-In 30 Day Standby _____
 Sub Total 1493.25 Accessibility _____
 Total 1493.25 Ruined Shale Packer _____
 MP/DST Disc't _____ Ruined Packer _____
 Sub Total 0 Extra Copies _____

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64640

Well Name & No. J & B Wilkinson #1 Test No. 3 Date 3/11/2016
 Company Palomina Petroleum, Inc Elevation 3161 KB 3155 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Ryan Seib Rig WW #2
 Location: Sec. 21 Twp. 17s Rge. 34W Co. Scott State KS

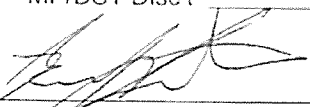
Interval Tested 4174 4235 Zone Tested LKC 2-5
 Anchor Length 61 Drill Pipe Run 4060 Mud Wt. 9.2
 Top Packer Depth 4169 Drill Collars Run 119 Vis 51
 Bottom Packer Depth 4174 Wt. Pipe Run 0 WL 7.2
 Total Depth 4235 Chlorides _____ ppm System LCM 1 #

Blow Description IF BOB @ 2 min
IS No return
FF BOB @ 2 min
FSI No return

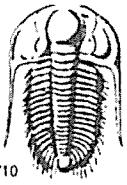
Rec	Feet of	%gas	%oil	%water	%mud
<u>800</u>	<u>MCW</u>			<u>85</u>	<u>15</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 800 BHT 116 Gravity — API RW .280 @ 48 °F Chlorides 53000 ppm
 (A) Initial Hydrostatic 2124 Test 1150 T-On Location 0560
 (B) First Initial Flow 120 Jars 250 T-Started 0512
 (C) First Final Flow 275 Safety Joint 75 T-Open 0703
 (D) Initial Shut-In 1197 Circ Sub N/C T-Pulled 0823
 (E) Second Initial Flow 264 Hourly Standby _____ T-Out 1014
 (F) Second Final Flow 393 Mileage 2547 18.75 Comments _____
 (G) Final Shut-In 1190 Sampler _____
 (H) Final Hydrostatic 2047 Straddle _____

Initial Open 10 Ruined Shale Packer _____
 Initial Shut-In 30 Ruined Packer _____
 Final Flow 10 Extra Packer _____
 Final Shut-In 30 Extra Recorder _____
 Sub Total 0 Day Standby _____
 Total 1493.75 Accessibility _____
 Sub Total 1493.75 MP/DST Disc't _____

Approved By _____ Our Representative 

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64641

Well Name & No. J&B Wilkinson #1 Test No. 4 Date 3/12/2016
 Company Palomino Petroleum, Inc Elevation 3161 KB 3155 GL
 Address 4924 SE 84th St Newton, KS
 Co. Rep / Geo. Ryan Seib Rig WW #2
 Location: Sec. 21 Twp. 17s Rge. 34w Co. Scott State KS

Interval Tested 4242 - 4340 Zone Tested LKC R&L
 Anchor Length 96' Drill Pipe Run 4120 Mud Wt. 9.3
 Top Packer Depth 4237 Drill Collars Run 119 Vis 50
 Bottom Packer Depth 4242 Wt. Pipe Run 0 WL 8.0
 Total Depth 4340 Chlorides 5500 ppm System LCM 2#

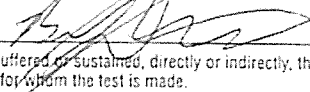
Blow Description TF: BOB @ 45 sec
ISI: No return
FF: BOB @ 1 min.
PSI: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1770</u>	<u>new</u>		<u>95</u>	<u>5</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

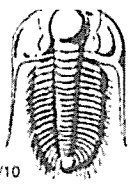
Rec Total 1770 BHT 117 Gravity — API RW .220 @ 51 °F Chlorides 49,000 ppm

(A) Initial Hydrostatic <u>2150</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>2000</u>
(B) First Initial Flow <u>324</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>2008</u>
(C) First Final Flow <u>605</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2226</u>
(D) Initial Shut-In <u>1222</u>	<input checked="" type="checkbox"/> Circ Sub <u>W/C</u>	T-Pulled <u>2346</u>
(E) Second Initial Flow <u>666</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0158 3/12</u>
(F) Second Final Flow <u>440</u>	<input checked="" type="checkbox"/> Mileage <u>25.25</u> <u>18.75</u>	Comments
(G) Final Shut-In <u>1222</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2120</u>	<input type="checkbox"/> Straddle	

Initial Open <u>10</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>10</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1493.75</u>
	Sub Total <u>1493.75</u>	MP/DST Disc't

Approved By _____ Our Representative 

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64642

Well Name & No. J & B Wilkinson #1 Test No. 5 Date 3/12/2016
 Company Palomino Petroleum, Inc Elevation 3161 KB 3155 GL
 Address 4924 SE 84th St Newton, ks 67114
 Co. Rep / Geo. Ryan Seib Rig WW #2
 Location: Sec. 21 Twp. 17S Rge. 34W Co. Scott State KS

Interval Tested 4369-4480 Zone Tested Munaton
 Anchor Length 111 Drill Pipe Run 4250 Mud Wt. 9.3
 Top Packer Depth 4364 Drill Collars Run 119 Vis 5.7
 Bottom Packer Depth 4369 Wt. Pipe Run 0 WL 7.6
 Total Depth 4480 Chlorides 4,000 ppm System LCM 2#

Blow Description IF 6' blow
ISI Surface return died @ 15 min.
FF 6' blow.
FSI Surface return died @ 15 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>6 MCO</u>	<u>30</u>	<u>60</u>	<u>10</u>	<u>0</u>
<u>70</u>	<u>6 MCO</u>	<u>30</u>	<u>40</u>	<u>30</u>	<u>0</u>
<u> </u>	<u>190' 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 190 BHT 113 Gravity 20 API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 2263 Test 1150 T-On Location 1548
 (B) First Initial Flow 34 Jars 250 T-Started 1548
 (C) First Final Flow 63 Safety Joint 75 T-Open 1755
 (D) Initial Shut-In 1161 Circ Sub T-Pulled 1955
 (E) Second Initial Flow 86 Hourly Standby T-Out 2156
 (F) Second Final Flow 91 Mileage 25.2 37.50 Comments 0/0 Tools
 (G) Final Shut-In 1122 Sampler @ 1930 on 3/14
 (H) Final Hydrostatic 2191 Straddle

Shale Packer 250 Ruined Shale Packer
 Extra Packer Ruined Packer
 Extra Recorder Extra Copies
 Day Standby 1.5d 10h Sub Total 800
 Accessibility Total 1762.50
 Sub Total 1762.50 MP/DST Disc't

Approved By Our Representative

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