



REMIT TO
 Consolidated Oil Well Services, LLC
 Dept:970
 P.O.Box 4346
 Houston, TX 77210-4346

RECEIVED
 APR 17 2015

MAIN OFFICE

P.O.Box884
 Chanute,KS 66720
 620/431-9210,1-800/467-8676
 Fax 620/431-0012

Invoice Invoice# 803989

Invoice Date: 04/15/15 Terms: Net 30 Page 1

PALOMINO PETROLEUM, INC.

4924 SE 84TH STREET
 NEWTON KS 67114-8827
 USA

OCHS-CARTER #1

Part No	Description	Quantity	Unit Price	Discount(%)	Total
5401S	Cement Pump Truck - Surface	1.000	1,150.0000	20.000	920.00
5406	Mileage Charge	20.000	5.2500	20.000	84.00
5407	Min. Bulk Delivery Charge	1.000	430.0000	20.000	344.00
1104S	Class A Cement	165.000	18.5500	20.000	2,448.60
1102	Calcium Chloride (50#)	465.000	0.9400	20.000	349.68
1118B	Premium Gel / Bentonite	310.000	0.2700	20.000	66.96

Subtotal 5,266.55

Discounted Amount 1,053.31

SubTotal After Discount 4,213.24

Amount Due 5,486.82 If paid after 05/15/15

Tax: 176.21

Total: 4,389.45



CONSOLIDATED
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

2656

2588
Invoice # 803989

FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 47903
LOCATION Oakley, KS
FOREMAN Kelly Gabe

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-14-15	6285	Ochs-Carter #1	36	17	26	Ness
CUSTOMER			TRUCK #			
Mailing Address			DRIVER			
CITY			TRUCK #			
STATE			DRIVER			
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 216' CASING SIZE & WEIGHT 8 5/8 24 #
 CASING DEPTH 216' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 152 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 12 1/2 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: safety meeting, rigged up on WTW #10, broke circulation
mixed 1655ks com 3% cc 2% gel, shut in

Cement did circulate

*Thank You
Kelly & crew*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1150.00	1150.00
5406	20	MILEAGE	5.25	105.00
5407	2.75 ton	ton mileage delivery	175	430.00
11045	1655ks	class A cement	18.55	3060.75
1102	465 #	calcium chloride	.94	437.10
1183	310 #	gel	.27	83.70
			Sub	5266.55
			Yours 20%	1053.31
			total	4213.24
			SALES TAX	176.21
			ESTIMATED TOTAL	4389.45

Ravin 3737

AUTHORIZATION [Signature] TITLE T.P. DATE 4-14-15

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

TERMS

In consideration of the prices to be charged for Consolidated Oil Well Services, LLC (COWS) services, equipment and products and for the performance of services and supplying of materials, Customer agrees to the following terms and conditions.

Terms. Cash in advance unless satisfactory credit is established. On credit sales, invoices are payable within 30 days of the invoice date. On all invoices not paid within 30 days, Customer agrees to pay COWS interest at the rate of 18% per annum or the maximum rate allowed by law, whichever is higher. In the event COWS retains an attorney to pursue collection of any account, Customer agrees to pay all collection costs and attorney's fees incurred by COWS.

Any applicable federal, state or local sales, use occupation, consumer's or emergency taxes shall be added to the quoted price. All process license fees required to be paid to others will be added to the scheduled prices.

All COWS' prices are subject to change without notice.

SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products and materials to be supplied by COWS. The Customer shall at all time have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises about the well. A responsible representative of the Customer shall be present to specify depths, pressures, or materials used for any service which is to be performed.

(a) COWS shall not be responsible for any claim, cause of action or demand (hereinafter referred to as a 'claim') for damage to property, or injury to or death of employees and representatives, of Customer or the well owner (if different from Customer), unless such damage, injury or death is caused by the willful misconduct or gross negligence of COWS, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.

(b) Unless a claim is the result of the sole willful misconduct or gross negligence of COWS, Customer shall be responsible for and indemnify and hold COWS harmless from any claim for: (1) reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout; (2) damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by COWS; (3) injury to or death of persons, other than employees of COWS, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole; and (4) well damage or reservoir damage caused by (i) loss of circulation, cement invasion, cement misplacement, pumping cement or cement plugs on wells with loss of circulation, including the failure to displace plug to proper depth, (ii) sub-surface pressure and resulting failure to complete pumping of cement or cement plug, including dehydration of cement slurry or flashing, plugged float shoe, annulus bridging or plugging, or (iii) down hole tools being lost or left in the well, or becoming stuck in the well for any reason and by any cause. COWS may furnish down hole tools and may supply supervision for the running and placement of such tools but will not be liable for any damage, loss or result caused by the use of such tools.

Furthermore, Customer will be responsible for the cost to replace such tools if they are lost or left in the well.

(c) COWS makes no guarantee of the effectiveness of any COWS' products, supplies or materials, or the results of any COWS' treatment or services.

(d) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, COWS is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by COWS. COWS' personnel will use their best efforts in gathering such information and their best judgement in interpreting it, but Customer agrees that COWS shall not be responsible for any damage arising from the use of such information except where due to COWS' gross negligence or willful misconduct in the preparation or furnishing of it.

(e) COWS may buy and re-sell to Customer down hole equipment, including but not limited to float equipment, DV tools, port collars, type A & B packers, and Customer agrees that COWS is not an agent or dealer for the companies who manufacture such items, and further agrees that Customer shall be solely responsible for and indemnify COWS against any claim with regard to the effectiveness, malfunction of, or functionality of such items.

WARRANTIES - LIMITATION OF LIABILITY

COWS warrants title to the products, supplies and materials, and that the same are free from defects in workmanship and materials. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, NOR ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. COWS's liability and Customer's exclusive remedy in any claim (whether in contract, tort, breach of warranty or otherwise,) arising out of the sale or use of any COWS' products, supplies, materials or services is expressly limited to the replacement of such products, supplies, materials or services or their return to COWS or, at COWS' option, an allowance to Customer of credit for the cost of such items.

Customer waives and releases all claims against COWS for any special, incidental, indirect, consequential or punitive damages.

SWIFT



Services, Inc.

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



RECEIVED

APR 24 2015

Invoice

DATE	INVOICE #
4/21/2015	28373

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	#1	Ochs-Carter	Ness	Express Well Serv...	Oil	Development	Cement Port Collar	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				40	Miles	5.00	200.00
576D-D	Pump Charge - Port Collar				1	Job	1,250.00	1,250.00
330	Swift Multi-Density Standard (MIDCON II)				115	Sacks	15.75	1,811.25T
276	Flocele				25	Lb(s)	2.25	56.25T
290	D-Air				1	Gallon(s)	42.00	42.00T
104	Port Collar Tool Rental				1	Each	200.00	200.00T
581D	Service Charge Cement				200	Sacks	1.50	300.00
583D	Drayage				398.4	Ton Miles	0.75	298.80
	Subtotal							4,158.30
	Sales Tax Ness County						6.15%	129.73

We Appreciate Your Business!

Total

\$4,288.03



Services, Inc.

TICKET 28373

CHARGE TO: Palomino Petroleum
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

PAGE 1 OF 1

SERVICE LOCATIONS: 1. Wichita KS WELL/PROJECT NO. #1 LEASE Oaks-Center COUNTY/PARISH Neosho STATE KS CITY Neosho City DATE 21 APR 15 OWNER _____
 2. _____ TICKET TYPE SERVICE CONTRACTOR _____ RIG NAME/NO. _____ SHIPPED VACVT DELIVERED TO location ORDER NO. _____
 3. _____ WELL TYPE SALES express WELL CATEGORY Development JOB PURPOSE convert part collar WELL PERMIT NO. _____ WELL LOCATION 36-17-26
 4. _____ REFERRAL LOCATION _____ INVOICE INSTRUCTIONS _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	MILEAGE	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT								
575						40	mi			5.00	200.00
576D						1.00	sq			1250.00	1250.00
330						115	sk			1575	1811.25
276						25	lb			2.95	56.25
290						1	gal			42.00	42.00
164						1	ea			200.00	200.00
581						200	sk			1.50	300.00
583						19902	lb			0.75	298.50

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 William Woodford DATE SIGNED _____ TIME SIGNED _____ AM PM
 REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300
 SURVEY: OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? AGREE UNDECIDED DIS-AGREE
 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: 4158.30
 TAX: 6.15%
 TOTAL: 4288.03
 SWIFT OPERATOR: pe/ml 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 31 APR 15 PAGE NO. 7

CUSTOMER Palmarco Petroleum WELL NO. 41 LEASE Ochs-Carter JOB TYPE cement part collar TICKET NO. 28373

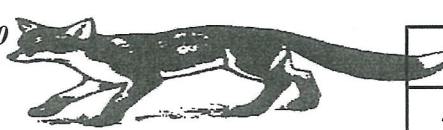
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								200 sk SMD cement w/ 1/4" floccle part collar - 1735 2 3/8 x 5 1/2
	0945							on loc TRK 114
	1000					1000	1000	test to 1000 psi - held
	1006	3 1/2	2			400		open part collar inj rate
	1022	3 1/2				400		mix SMD cement @ 11.2 ppg fluid to surface
		3 1/2	11			400		
	1039	3 1/2	61			500		— cement to surface
								{ 115 sk mixed 15 to P.T }
		3 1/2	6			500		Displace w/ 6 bbl H ₂ O
	1045					1000	1000	close part collar test to 1000 psi - held
	1047							Run 5 joints
	1059		20					Reverse hole clean - 2 cement plugs -
	1107							wash truck
								Back up
	1135							job complete
								Thubs Blains, Phat & Craig

SWIFT



Services, Inc.

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



Invoice

DATE	INVOICE #
4/10/2015	28367

RECEIVED

APR 16 2015

- Acidizing
- Cement
- Tool Rental

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

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Ochs-Carter	Ness	WW Drilling	Oil	Development	Cement LongStri...	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				40	Miles	5.00	200.00
578D-L	Pump Charge - Long String				1	Job	1,250.00	1,250.00
403-5	5 1/2" Cement Basket				1	Each	250.00	250.00T
404-5	5 1/2" Port Collar				1	Each	2,500.00	2,500.00T
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
409-5	5 1/2" Turbolizer				10	Each	75.00	750.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	15.75	1,968.75T
325	Standard Cement				100	Sacks	12.25	1,225.00T
284	Calseal				5	Sack(s)	30.00	150.00T
283	Salt				900	Lb(s)	0.20	180.00T
285	CFR-1				50	Lb(s)	4.50	225.00T
276	Flocele				50	Lb(s)	2.25	112.50T
290	D-Air				2	Gallon(s)	42.00	84.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
581D	Service Charge Cement				225	Sacks	1.50	337.50
583D	Drayage				458	Ton Miles	0.75	343.50
	Subtotal							11,026.25
	Sales Tax Ness County						6.15%	547.06

We Appreciate Your Business!

Total

\$11,573.31



Services, Inc.

TICKET 28367

CHARGE TO: Palawino Petroleum
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

1. SERVICE LOCATIONS New City KS WELL/PROJECT NO. 41 LEASE Ochs Carter COUNTY/PARISH Lebo STATE KS CITY Utzea DATE 10 APR 15 OWNER _____
 2. TICKET TYPE SERVICE SALES CONTRACTOR _____ RIG NAME/NO. 10 SHIPPED VIA CT DELIVERED TO location ORDER NO. _____
 3. WELL TYPE _____ WELL CATEGORY Development JOB PURPOSE cement long string WELL PERMIT NO. _____ WELL LOCATION 36-17-26
 4. REFERRAL LOCATION _____ INVOICE INSTRUCTIONS _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	MILEAGE	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT								
575				TRK 114		40	hrs			5.00	200.00
578				Pump Charge		1	ea			1250.00	1250.00
403				Cement Basket		5 1/2	in		1 ea	250.00	250.00
404				Post Collar		5 1/2	in		1 ea	2500.00	2500.00
406				Latch dump plug 5 bytes		5 1/2	in		1 ea	225.00	225.00
407				Inset Flat Shoe w/ARO FILL		5 1/2	in		1 ea	300.00	300.00
409				Turbolizer		5 1/2	in		10 ea	75.00	750.00
419				Rotating head rental		5 1/2	in		1 ea	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 Klem Dampff DATE SIGNED _____ TIME SIGNED _____
 A.M. P.M.
 11:40

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

SURVEY
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? YES NO
 WE UNDERSTOOD AND MET YOUR NEEDS? YES NO
 OUR SERVICE WAS PERFORMED WITHOUT DELAY? YES NO
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? YES NO
 ARE YOU SATISFIED WITH OUR SERVICE? YES NO
 CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	AMOUNT
1	5675.00
2	5351.00
Subtotal	11026.00
TAX 7.5%	827.00
TAX 1.5%	165.39
TOTAL	11,573.39

Thank You!

SWIFT OPERATOR _____ APPROVAL _____

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES _____

The customer hereby acknowledges receipt of the materials and services listed on this ticket



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

TICKET CONTINUATION

TICKET No. 28367

CUSTOMER: *Petroleum Petroleum* WELL: *Dicks Carter #1* DATE: *10 APR 15* PAGE: *2* OF: *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M		
285	330	1				5 MD cement	125	SK	15.75	1968.75
284		1				STANDARD Cement (5-4-2)	100	SK	12.25	1225.00
283		1				Calseal	500	LB	30.00	1500.00
285		1				SADT	900	LB	0.20	180.00
276		1				CFR-1	50	LB	4.50	225.00
290		1				Flocele	50	LB	2.25	112.50
281		1				D-air	2	gal	42.00	84.00
281		1				MudFlush	500	gal	1.25	625.00
281		1				KCL Liquid	4	gal	25.00	100.00
581		1				SERVICE CHARGE			1.50	337.50
583		1				MILEAGE TOTAL WEIGHT CHARGE			0.75	343.75

225 225
458 40
458

CONTINUATION TOTAL 5351.46

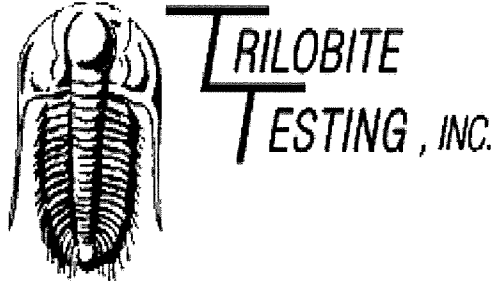
JOB LOG

SWIFT Services, Inc.

DATE 10 APR 15 PAGE NO. 1

CUSTOMER Falconero Petroleum WELL NO. #1 LEASE Ochs Carter JOB TYPE Cement / my string TICKET NO. 28367

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								125sk SMD cement w/ # flocele 100sk SA-2 cement w/ # flocele TD = 4489' 5 1/2" 14" casing 108 jts Total pipe 4490' Post collar #66 - 1735' Centralizer 1,2,3,5,7,9,11,13,15,65 shoejt 36' Basket #66
	1000							on loc TRK 114
	1030							start 5 1/2" x 14" casing in well
	1220							Drop ball - circulate - ROTATE
	1320	4	12				200	Pump 500 gal mud flush
		4	20				200	Pump 20 bbl KCL flush
			7					Plug RH - 30sk
	1330	3 3/4	38				200	MIX SMD cement 95sk @ 12.8 ppg
		3 3/4	23				200	MIX SA-2 cement 100sk @ 15.3 ppg
								Drop latch down plug wash out pump & line
	1352	6					200	Displace plug (20bbi KCL H ₂ O)
		6	90				300	
		6	104				650	
	1405	6	109				1500	Land plug
	1407							Release pressure to truck - dried up
	1412							wash truck
								Rack up
	1450							job complete Flint, Blaine & crane



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton, KS 67114

ATTN: Andrew Stenzel

Ochs-Carter #1

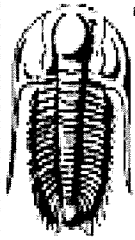
36-17s-26w Ness,KS

Start Date: 2015.04.06 @ 19:20:00

End Date: 2015.04.07 @ 03:07:00

Job Ticket #: 62332 DST #: 1

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum

36-17s-26w Ness,KS

4924 SE 84th St
New ton, KS 67114

Ochs-Carter #1

Job Ticket: 62332

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2015.04.06 @ 19:20:00

GENERAL INFORMATION:

Formation: **Toronto - LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:40:30

Time Test Ended: 03:07:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 81

Interval: 3732.00 ft (KB) To 3800.00 ft (KB) (TVD)

Total Depth: 3800.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2438.00 ft (KB)

2433.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8957

Outside

Press@RunDepth: 75.66 psig @ 3797.00 ft (KB)

Start Date: 2015.04.06

End Date:

2015.04.07

Start Time: 19:20:05

End Time:

03:06:59

Capacity: 8000.00 psig

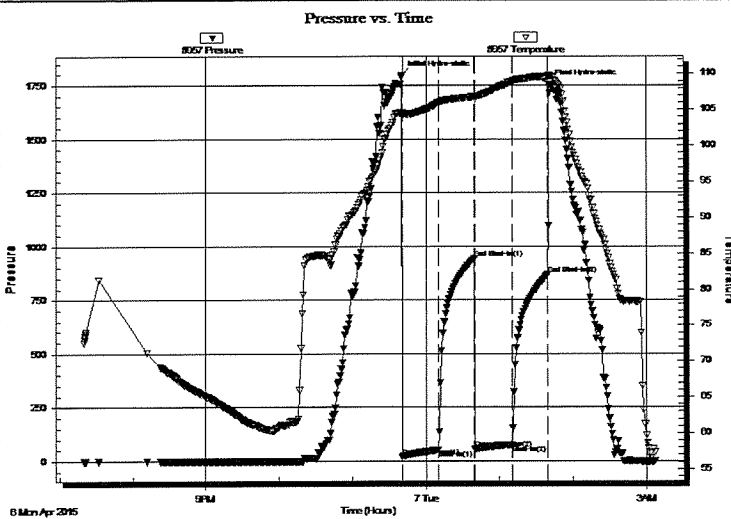
Last Calib.: 2015.04.07

Time On Btm: 2015.04.06 @ 23:40:00

Time Off Btm: 2015.04.07 @ 01:40:15

TEST COMMENT: IF-2 1/2" blow
ISI-No blow
FF-weak surface blow
FSI-No blow

PRESSURE SUMMARY



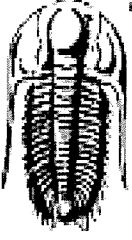
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1797.79	104.60	Initial Hydro-static
1	20.23	104.15	Open To Flow (1)
30	51.45	105.97	Shut-In(1)
60	943.23	106.82	End Shut-In(1)
60	55.13	106.49	Open To Flow (2)
90	75.66	108.93	Shut-In(2)
120	866.60	109.61	End Shut-In(2)
121	1752.88	109.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Mud	0.59

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum

36-17s-26w Ness, KS

4924 SE 84th St
New ton, KS 67114

Ochs-Carter #1

Job Ticket: 62332

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2015.04.06 @ 19:20:00

GENERAL INFORMATION:

Formation: **Toronto - LKC "A"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:40:30
 Time Test Ended: 03:07:00

Test Type: Conventional Bottom Hole (Initial)
 Tester: Brett Dickinson
 Unit No: 81

Interval: **3732.00 ft (KB) To 3800.00 ft (KB) (TVD)**
 Total Depth: 3800.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2438.00 ft (KB)
 2433.00 ft (CF)
 KB to GR/CF: 5.00 ft

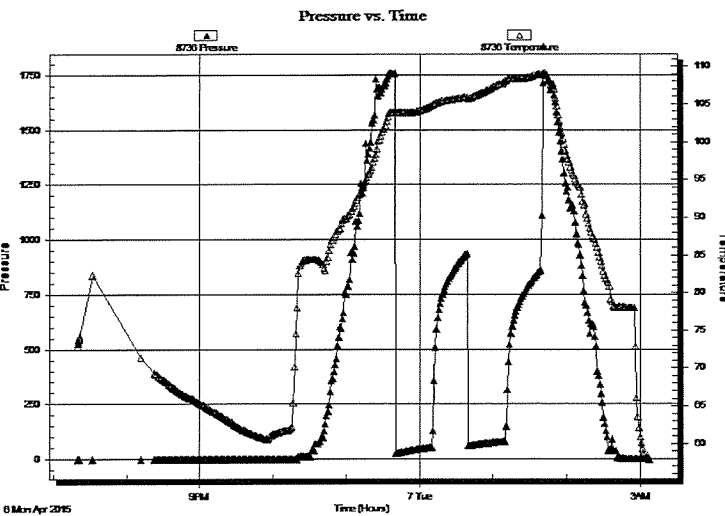
Serial #: 8736

Inside

Press@RunDepth:	psig @	3797.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2015.04.06	End Date:	2015.04.07	Last Calib.:	2015.04.07
Start Time:	19:20:05	End Time:	03:06:59	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IF-2 1/2" blow
 ISI-No blow
 FF-weak surface blow
 FSI-No blow

PRESSURE SUMMARY



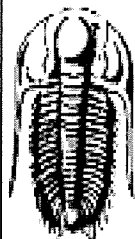
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Mud	0.59

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

36-17s-26w Ness,KS

4924 SE 84th St
New ton, KS 67114

Ochs-Carter #1

Job Ticket: 62332

DST#: 1

ATTN: Andrew Stenzel

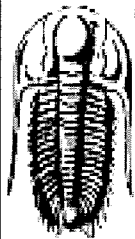
Test Start: 2015.04.06 @ 19:20:00

Tool Information

Drill Pipe:	Length: 3607.00 ft	Diameter: 3.80 inches	Volume: 50.60 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume: - bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3732.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	96.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3709.00	
Hydraulic tool	5.00			3714.00	
Jars	5.00			3719.00	
Safety Joint	3.00			3722.00	
Packer	5.00			3727.00	28.00 Bottom Of Top Packer
Packer	5.00			3732.00	
Packer - Shale	0.00			3732.00	
Stubb	1.00			3733.00	
Perforations	5.00			3738.00	
Change Over Sub	1.00			3739.00	
Drill Pipe	31.00			3770.00	
Change Over Sub	1.00			3771.00	
Perforations	26.00			3797.00	
Recorder	0.00	8736	Inside	3797.00	
Recorder	0.00	8957	Outside	3797.00	
Bullnose	3.00			3800.00	68.00 Bottom Packers & Anchor
Total Tool Length:	96.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

36-17s-26w Ness,KS

4924 SE 84th St
New ton, KS 67114

Ochs-Carter #1

Job Ticket: 62332

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2015.04.06 @ 19:20:00

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:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Mud	0.590

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

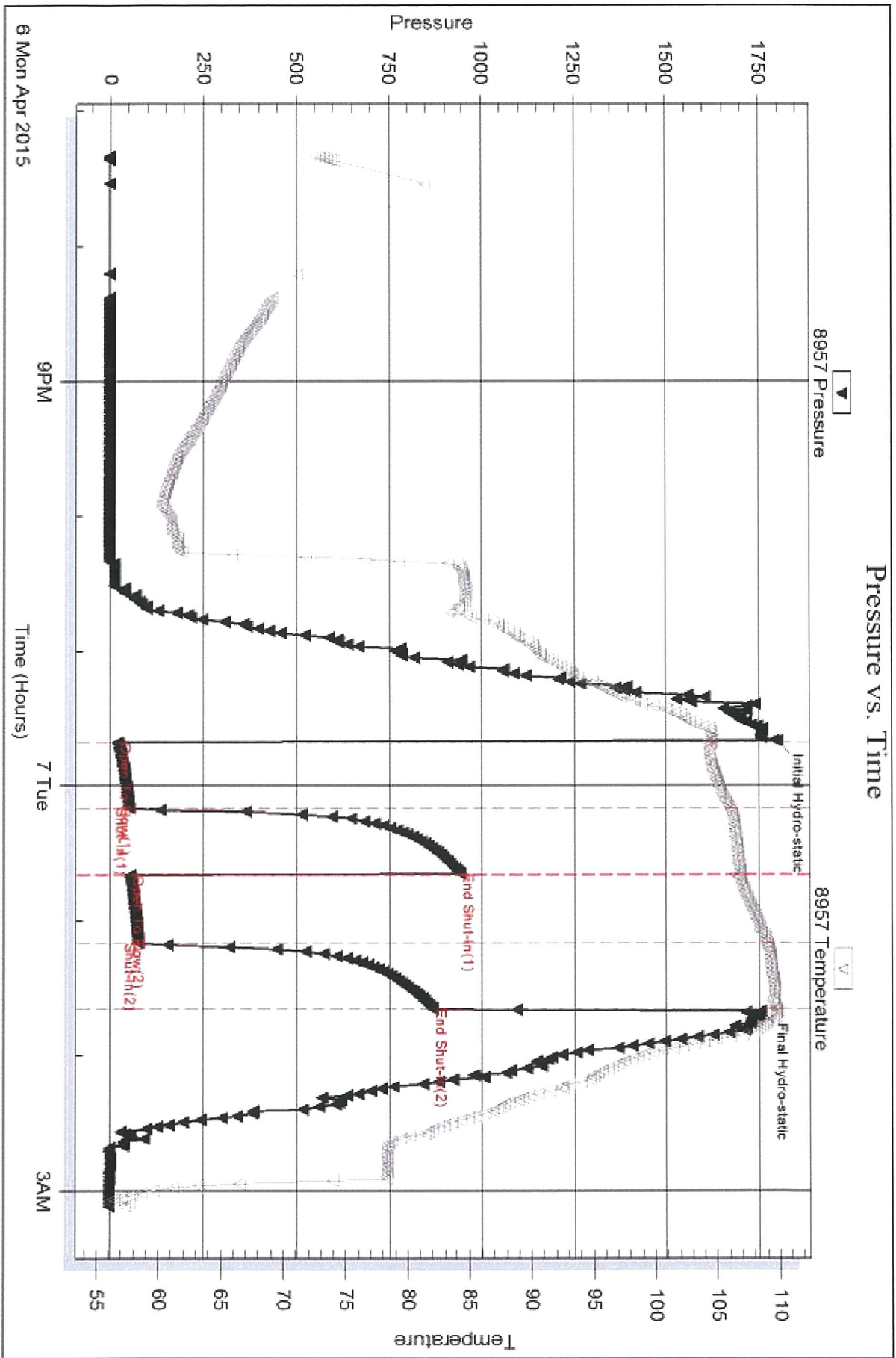
Recovery Comments:

Serial #: 8957

Outside Palomino Petroleum

Ochs-Carter #1

DST Test Number: 1



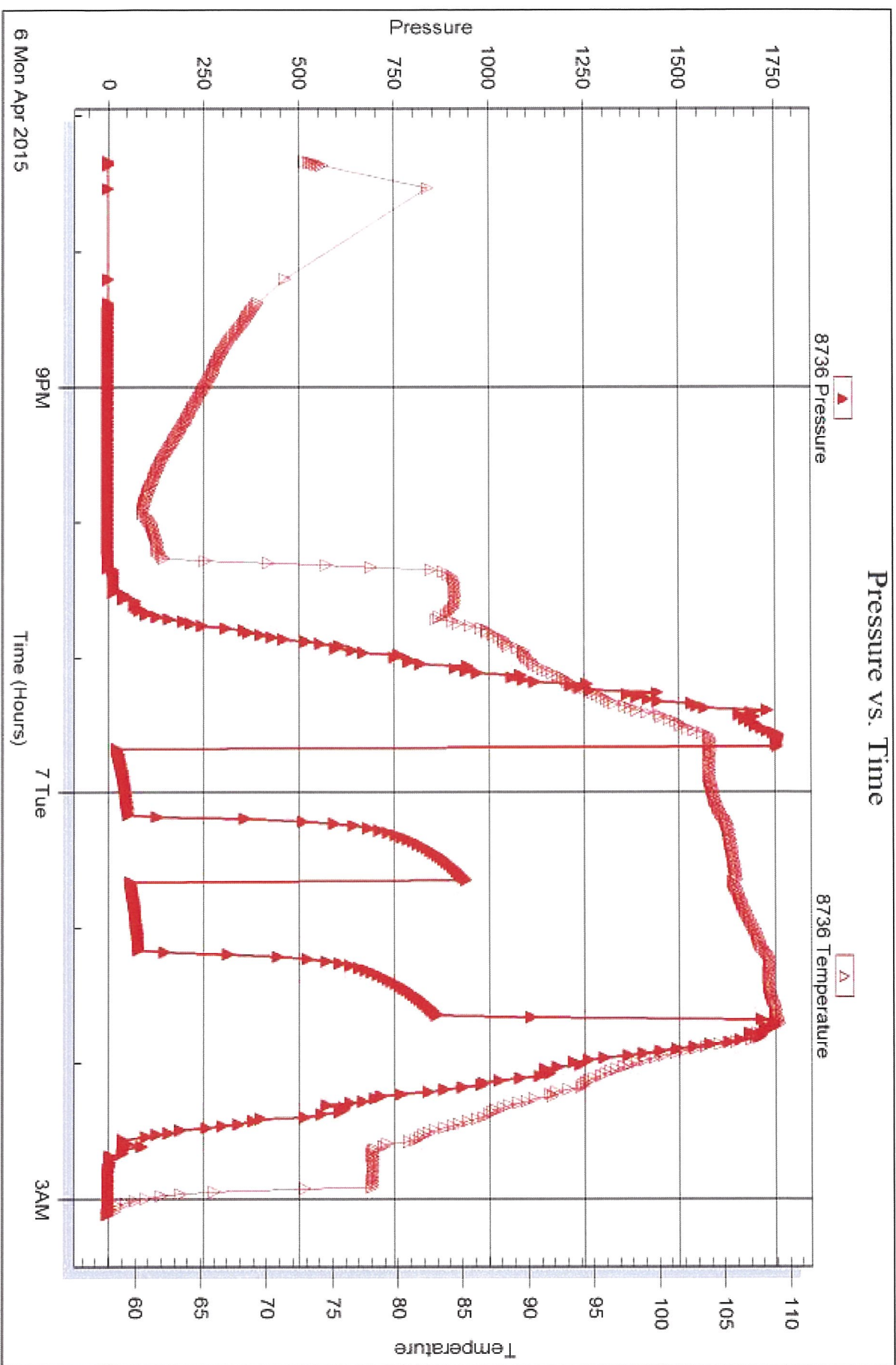
Serial #: 8736

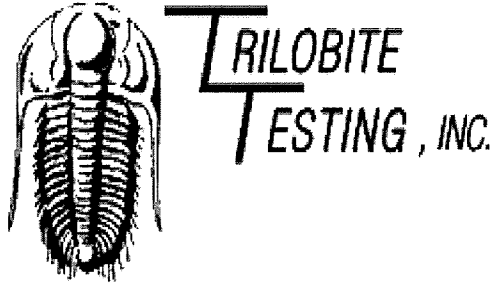
Inside

Palomino Petroleum

Ochs-Carter #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton, KS 67114

ATTN: Andrew Stenzel

Ochs-Carter #1

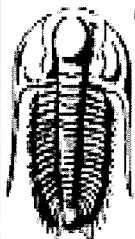
36-17s-26w Ness,KS

Start Date: 2015.04.08 @ 18:55:00

End Date: 2015.04.09 @ 02:57:00

Job Ticket #: 62333 DST #: 2

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum

36-17s-26w Ness,KS

4924 SE 84th St
New ton, KS 67114

Ochs-Carter #1

Job Ticket: 62333

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2015.04.08 @ 18:55:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:10:30

Time Test Ended: 02:57:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 81

Interval: 4385.00 ft (KB) To 4399.00 ft (KB) (TVD)

Total Depth: 3800.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2438.00 ft (KB)

2433.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8957

Outside

Press@RunDepth: 77.14 psig @ 4396.00 ft (KB)

Start Date: 2015.04.08

End Date:

2015.04.09

Start Time: 18:55:05

End Time:

02:56:59

Capacity: 8000.00 psig

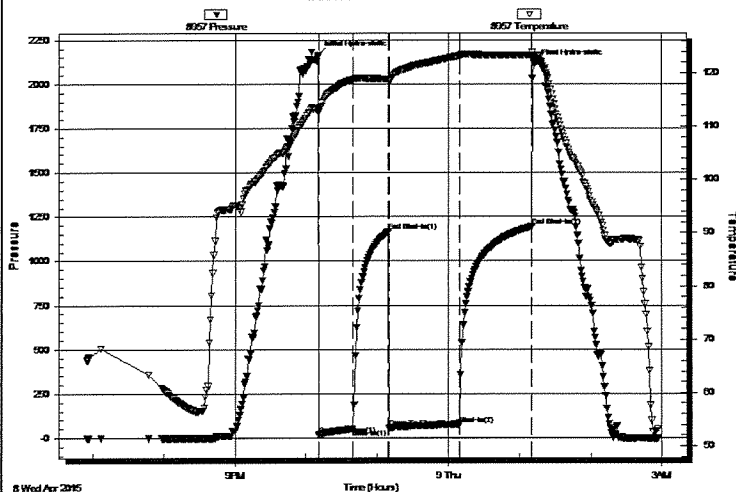
Last Calib.: 2015.04.09

Time On Btm: 2015.04.08 @ 22:10:00

Time Off Btm: 2015.04.09 @ 01:12:15

TEST COMMENT: IF-3" blow
ISI-No blow
FF- 2 1/2" blow
FSI-No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2162.02	113.42	Initial Hydro-static
1	18.65	112.66	Open To Flow (1)
30	51.88	118.78	Shut-In(1)
60	1167.99	118.90	End Shut-In(1)
61	56.40	118.46	Open To Flow (2)
120	77.14	123.28	Shut-In(2)
181	1193.93	123.40	End Shut-In(2)
183	2115.69	123.27	Final Hydro-static

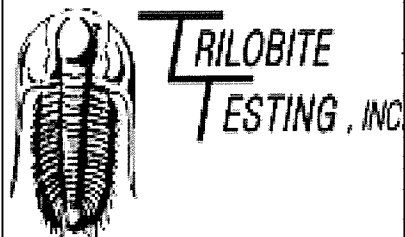
Recovery

Length (ft)	Description	Volume (bbl)
135.00	OCM 10%O 90%M	0.80
50.00	GO 15%G 85%O	0.70
0.00	75ft GIP	0.00

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

Palomino Petroleum

4924 SE 84th St
New ton, KS 67114

ATTN: Andrew Stenzel

36-17s-26w Ness, KS

Ochs-Carter #1

Job Ticket: 62333 **DST#: 2**

Test Start: 2015.04.08 @ 18:55:00

GENERAL INFORMATION:

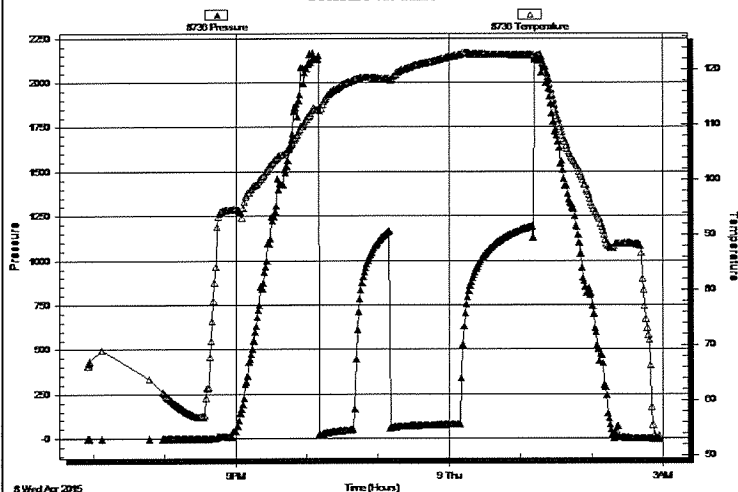
Formation: **Mississippi**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 22:10:30 Tester: Brett Dickinson
Time Test Ended: 02:57:00 Unit No: 81

Interval: **4385.00 ft (KB) To 4399.00 ft (KB) (TVD)** Reference Elevations: 2438.00 ft (KB)
Total Depth: 3800.00 ft (KB) (TVD) 2433.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8736 **Inside**
Press@RunDepth: psig @ 4396.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.04.08 End Date: 2015.04.09 Last Calib.: 2015.04.09
Start Time: 18:55:05 End Time: 02:56:59 Time On Btm:
Time Off Btm:

TEST COMMENT: IF-3" blow
ISI-No blow
FF- 2 1/2" blow
FSI-No blow

Pressure vs. Time



PRESSURE SUMMARY

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

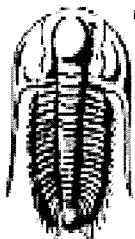
Recovery

Length (ft)	Description	Volume (bbl)
135.00	OCM 10%O 90%M	0.80
50.00	GO 15%G 85%O	0.70
0.00	75ft 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

36-17s-26w Ness,KS

4924 SE 84th St
New ton, KS 67114

Ochs-Carter #1

Job Ticket: 62333

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2015.04.08 @ 18:55:00

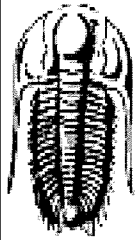
Tool Information

Drill Pipe:	Length: 4267.00 ft	Diameter: 3.80 inches	Volume: 59.85 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume: - bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4385.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4362.00	
Hydraulic tool	5.00			4367.00	
Jars	5.00			4372.00	
Safety Joint	3.00			4375.00	
Packer	5.00			4380.00	28.00 Bottom Of Top Packer
Packer	5.00			4385.00	
Stubb	1.00			4386.00	
Perforations	10.00			4396.00	
Recorder	0.00	8736	Inside	4396.00	
Recorder	0.00	8957	Outside	4396.00	
Bullnose	3.00			4399.00	14.00 Bottom Packers & Anchor

Total Tool Length: 42.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

36-17s-26w Ness,KS

4924 SE 84th St
New ton, KS 67114

Ochs-Carter #1

Job Ticket: 62333

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2015.04.08 @ 18:55:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
135.00	OCM 10%O 90%M	0.801
50.00	GO 15%G 85%O	0.701
0.00	75ft GIP	0.000

Total Length: 185.00 ft

Total Volume: 1.502 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

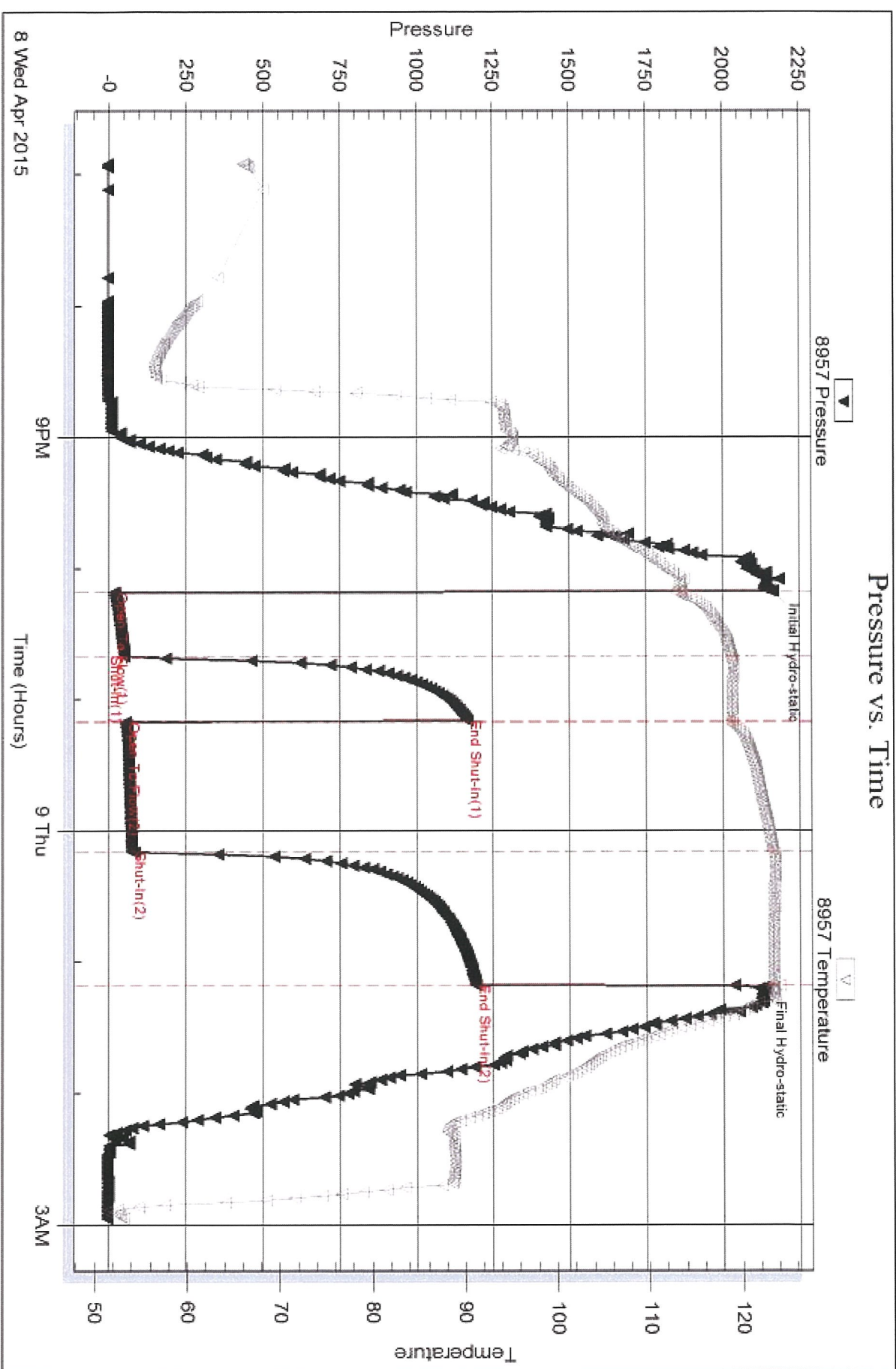
Recovery Comments:

Serial #: 8957

Outside Palomino Petroleum

Cchs-Carter #1

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 62333

Printed: 2015.04.10 @ 09:39:42

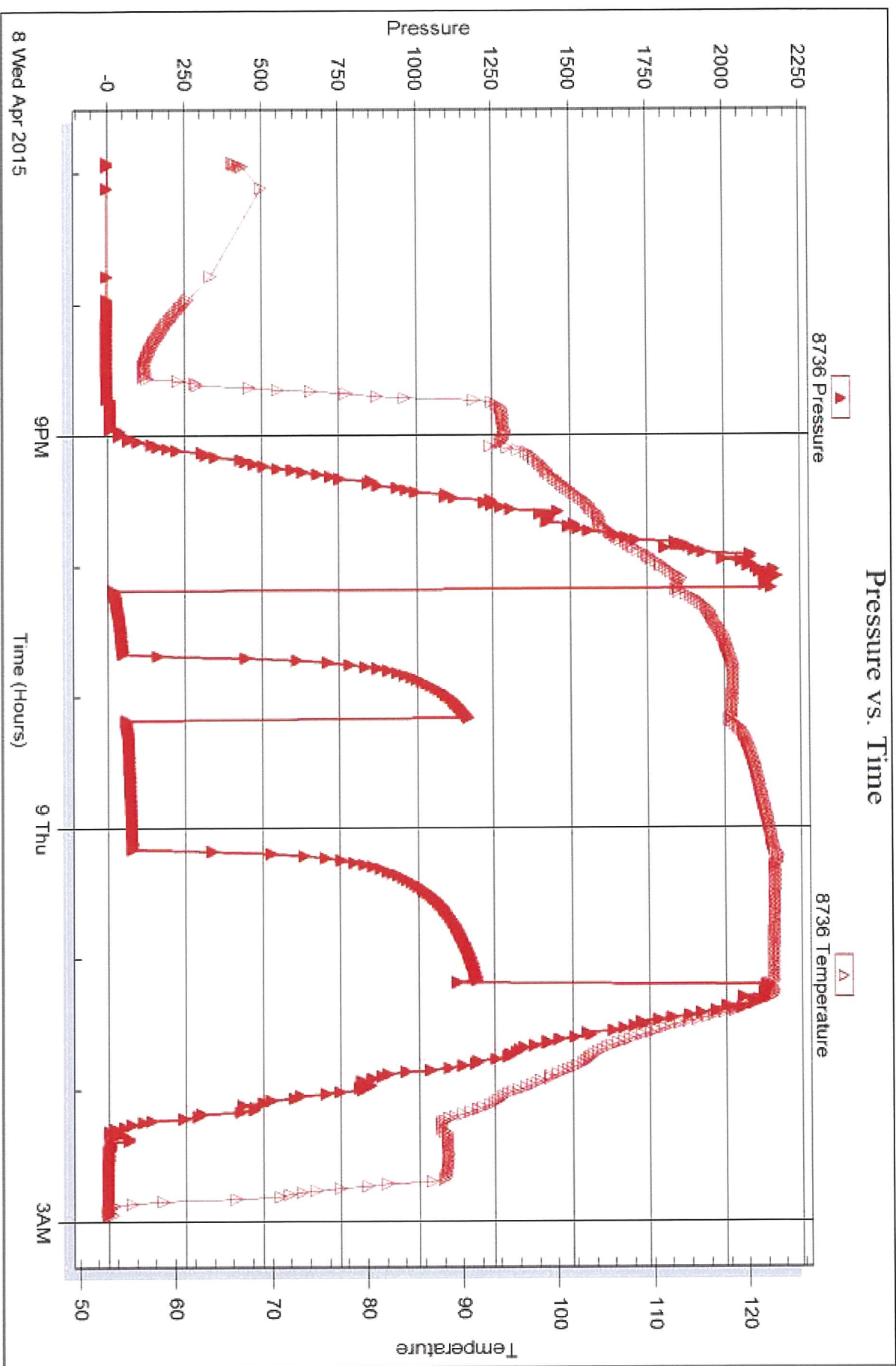
Serial #: 8736

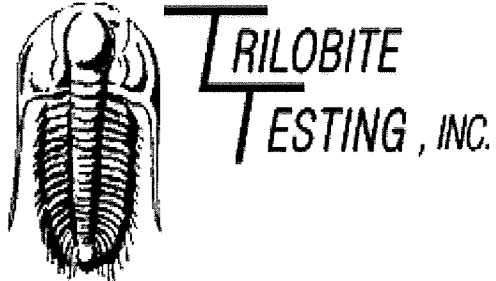
Inside

Palomino Petroleum

Ochs-Carter #1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton, KS 67114

ATTN: Andrew Stenzel

Ochs-Carter #1

36-17s-26w Ness,KS

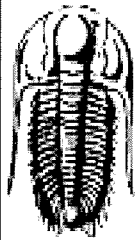
Start Date: 2015.04.09 @ 08:30:00

End Date: 2015.04.09 @ 16:01:00

Job Ticket #: 62334 DST #: 3

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

Printed: 2015.04.10 @ 09:39:05



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum

36-17s-26w Ness,KS

4924 SE 84th St
New ton, KS 67114

Ochs-Carter #1

Job Ticket: 62334

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2015.04.09 @ 08:30:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:48:00

Time Test Ended: 16:01:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 81

Interval: **4398.00 ft (KB) To 4407.00 ft (KB) (TVD)**

Reference Elevations: 2438.00 ft (KB)

Total Depth: 3407.00 ft (KB) (TVD)

2433.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8957

Outside

Press@RunDepth: 120.95 psig @ 4404.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.04.09

End Date:

2015.04.09

Last Calib.:

2015.04.09

Start Time: 08:30:05

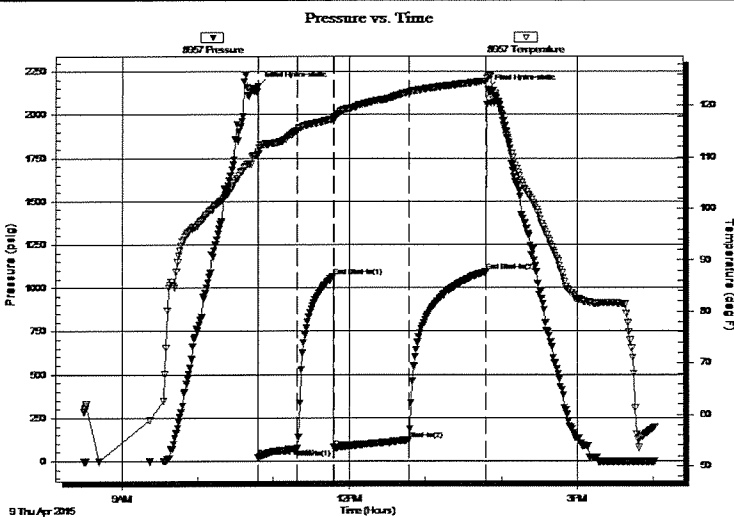
End Time:

16:00:59

Time On Btm: 2015.04.09 @ 10:47:30

Time Off Btm: 2015.04.09 @ 13:49:15

TEST COMMENT: IF-BOB in 30 min
ISI-weak surface blow
FF-BOB in 56 min
FSI-weak surface blow died in 20 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2162.58	110.55	Initial Hydro-static
1	21.67	110.73	Open To Flow (1)
32	72.70	115.25	Shut-In(1)
60	1066.93	117.41	End Shut-In(1)
61	78.01	117.52	Open To Flow (2)
120	120.95	122.60	Shut-In(2)
180	1094.08	124.80	End Shut-In(2)
182	2145.97	125.74	Final Hydro-static

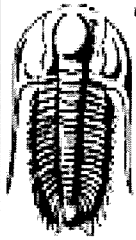
Recovery

Length (ft)	Description	Volume (bbl)
60.00	VSOMCW 5%O 85%W 10%M	0.30
60.00	GVSWMCO 15%G 50%O 5%W 30%M	0.30
140.00	GO 15%G 85%O	1.96
0.00	180ft 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

36-17s-26w Ness,KS

4924 SE 84th St
New ton, KS 67114

Ochs-Carter #1

Job Ticket: 62334

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2015.04.09 @ 08:30:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:48:00

Time Test Ended: 16:01:00

Interval: **4398.00 ft (KB) To 4407.00 ft (KB) (TVD)**

Total Depth: 3407.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 81

Reference Elevations: 2438.00 ft (KB)

2433.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8736

Inside

Press@RunDepth: psig @ 4404.00 ft (KB)

Start Date: 2015.04.09

End Date:

2015.04.09

Start Time: 08:30:05

End Time:

16:00:59

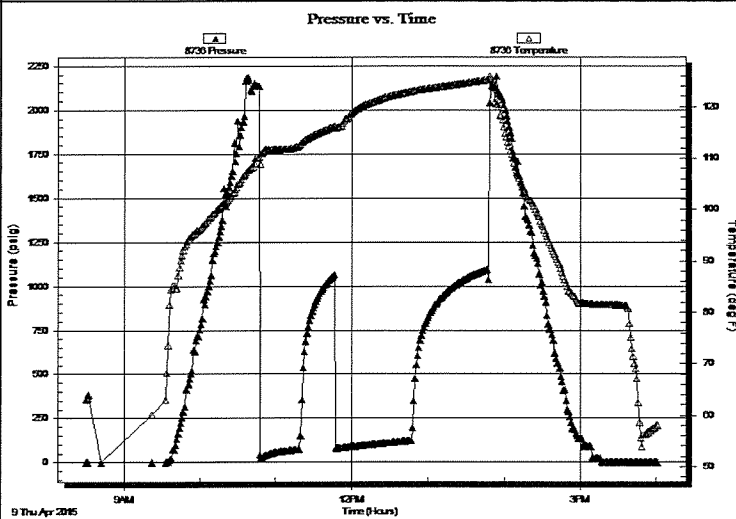
Capacity: 8000.00 psig

Last Calib.: 2015.04.09

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-BOB in 30 min
ISI-weak surface blow
FF-BOB in 56 min
FSI-weak surface blow died in 20 min



PRESSURE SUMMARY

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

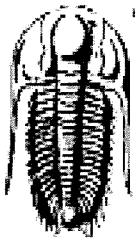
Recovery

Length (ft)	Description	Volume (bbl)
60.00	VSOMCW 5%O 85%W 10%M	0.30
60.00	GVSVMCO 15%G 50%O 5%W 30%M	0.30
140.00	GO 15%G 85%O	1.96
0.00	180ft 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

36-17s-26w Ness,KS

4924 SE 84th St
New ton, KS 67114

Ochs-Carter #1

Job Ticket: 62334

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2015.04.09 @ 08:30:00

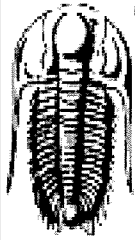
Tool Information

Drill Pipe:	Length: 4272.00 ft	Diameter: 3.80 inches	Volume: 59.92 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4398.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	9.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4375.00	
Hydraulic tool	5.00			4380.00	
Jars	5.00			4385.00	
Safety Joint	3.00			4388.00	
Packer	5.00			4393.00	28.00 Bottom Of Top Packer
Packer	5.00			4398.00	
Stubb	1.00			4399.00	
Perforations	5.00			4404.00	
Recorder	0.00	8736	Inside	4404.00	
Recorder	0.00	8957	Outside	4404.00	
Bullnose	3.00			4407.00	9.00 Bottom Packers & Anchor

Total Tool Length: 37.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

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

36-17s-26w Ness,KS

Ochs-Carter #1

Job Ticket: 62334

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2015.04.09 @ 08:30:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 49.00 sec/qt
Water Loss: 8.79 in³
Resistivity: ohm.m
Salinity: 4200.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 35 deg API
Water Salinity: 25000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	VSOMCW 5%O 85%W 10%M	0.295
60.00	GVSWMCO 15%G 50%O 5%W 30%M	0.295
140.00	GO 15%G 85%O	1.964
0.00	180ft GIP	0.000

Total Length: 260.00 ft Total Volume: 2.554 bbl

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

Laboratory Name: Laboratory Location:

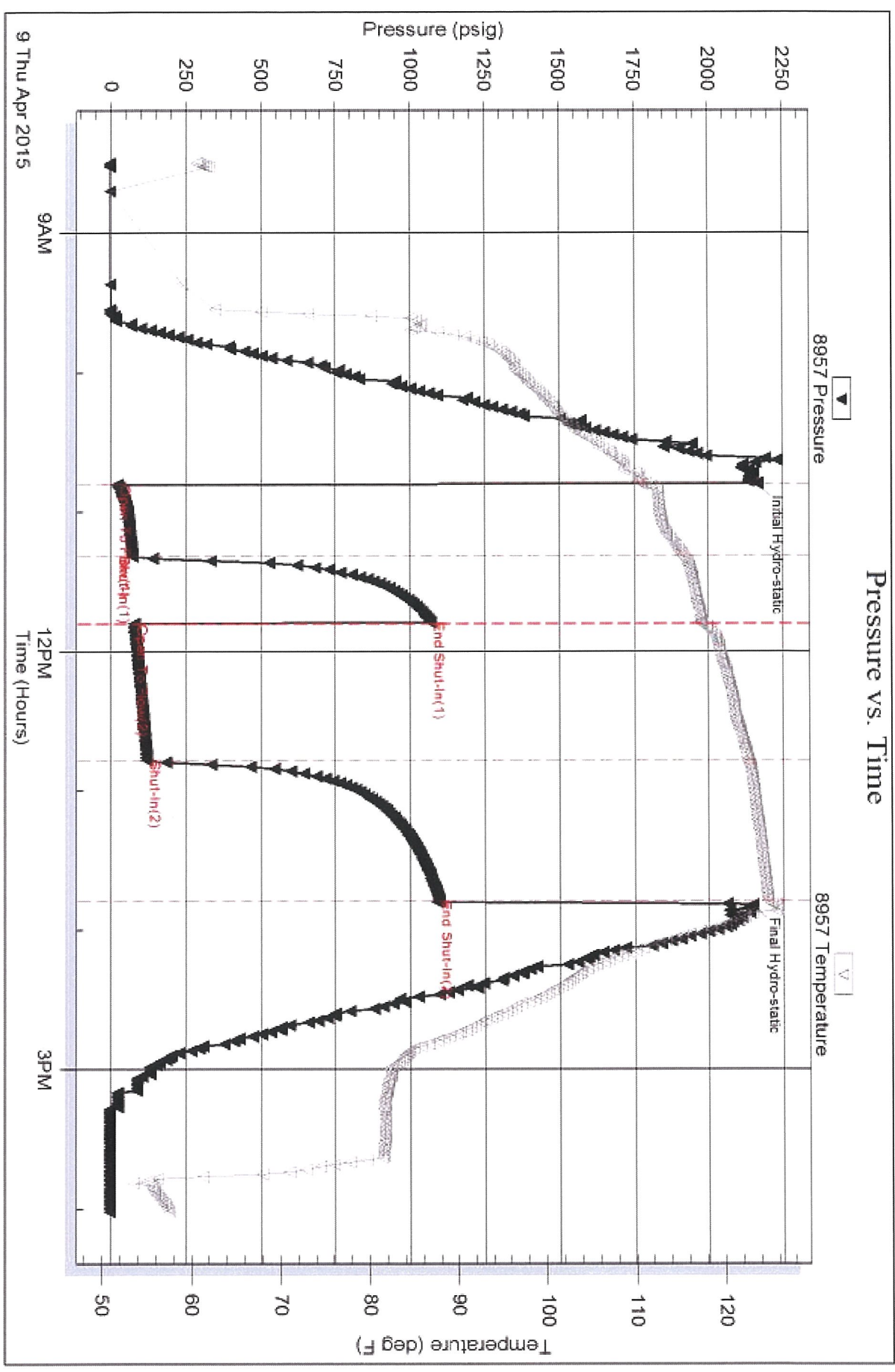
Recovery Comments:

Serial #: 8957

Outside Palomino Petroleum

Ochs-Carter #1

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 62334

Printed: 2015.04.10 @ 09:39:06

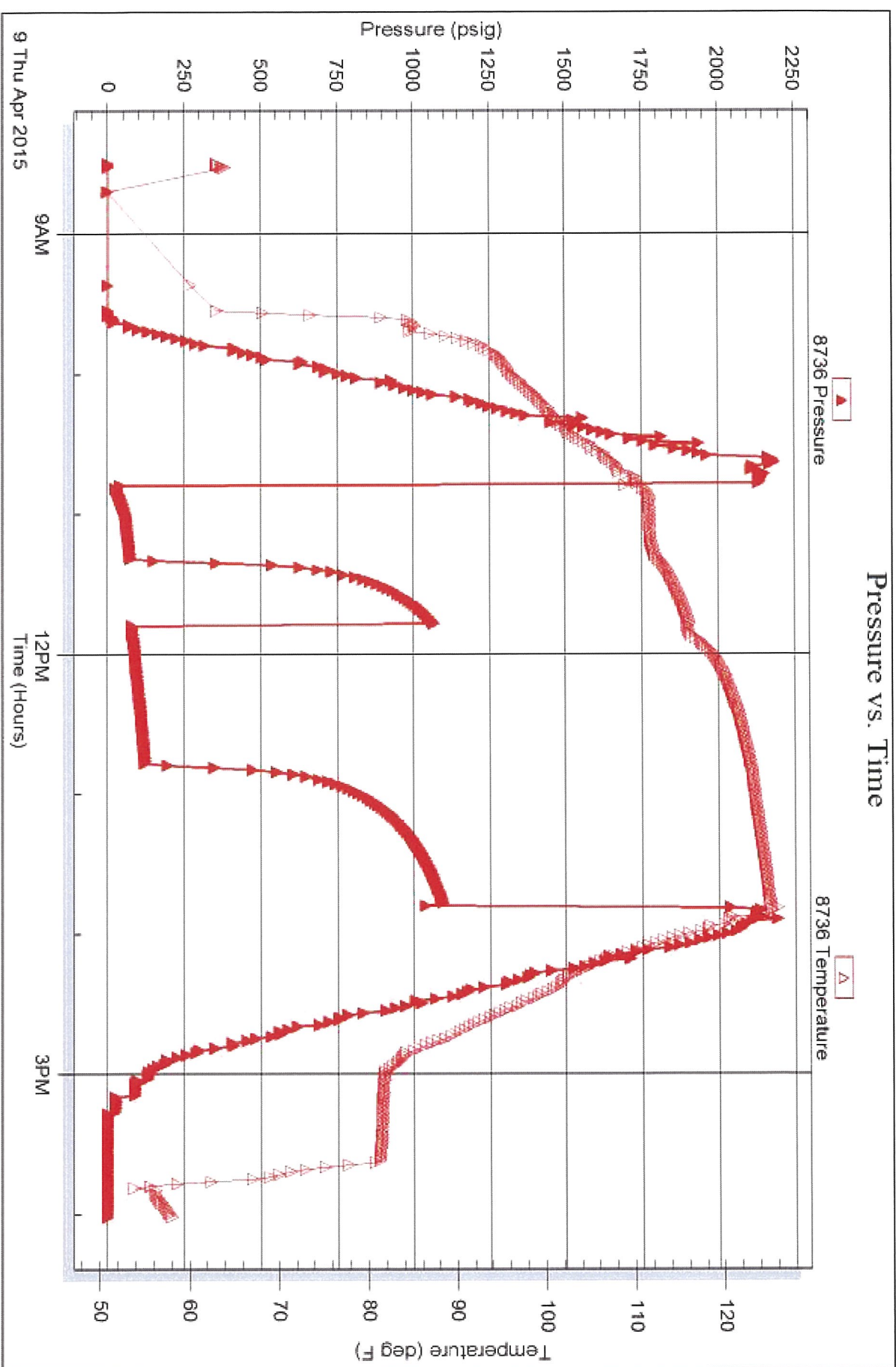
Serial #: 8736

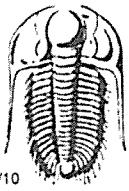
Inside

Palomino Petroleum

Cchs-Carter #1

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62332

Well Name & No. Ochs - Carter #1 Test No. 1 Date 4/6/15
 Company Palomino Petroleum Elevation 2438 KB 24383 GL
 Address 4924 SE 84th ST Newton KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig WW #10
 Location: Sec. 36 Twp. 17s Rge. 26w Co. Ness State KS

Interval Tested 3732 - 3800 Zone Tested Toronto - KC "A"
 Anchor Length 68 Drill Pipe Run _____ Mud Wt. 8.7
 Top Packer Depth 3727 Drill Collars Run 120 Vis 54
 Bottom Packer Depth 3732 Wt. Pipe Run _____ WL 8.0
 Total Depth 3800 Chlorides 2,700 ppm System LCM 1
 Blow Description IF - 2 1/2 in blow
ISI - No blow
FF - weak surface blow
FST - No blow

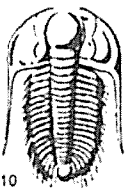
Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>Feet of mud</u>				
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

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

(A) Initial Hydrostatic <u>1,794</u>	<input checked="" type="checkbox"/> Test 1050	T-On Location <u>19:00</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>19:20</u>
(C) First Final Flow <u>51</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>23:40</u>
(D) Initial Shut-In <u>943</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>1:40</u>
(E) Second Initial Flow <u>55</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>3:08</u>
(F) Second Final Flow <u>76</u>	<input checked="" type="checkbox"/> Mileage <u>164.7</u> 98rt	Comments _____
(G) Final Shut-In <u>867</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>1,753</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer 250	<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>1723</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>1723</u>	

Approved By _____ Our Representative Bruce Dierker

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. 62333

Well Name & No. Ochs - Carter #1 Test No. 2 Date 4/8/13
 Company Palomino Petroleum Elevation 2438 KB 2433 GL
 Address _____
 Co. Rep / Geo. Andrew Stenzel Rig WW #10
 Location: Sec. 36 Twp. 17s Rge. 28w Co. Ness State KS

Interval Tested 4385 - 4399 Zone Tested Miss
 Anchor Length 14 Drill Pipe Run 4267 Mud Wt. 9.4
 Top Packer Depth 4380 Drill Collars Run 120 Vis 49
 Bottom Packer Depth 4385 Wt. Pipe Run - WL 8.8
 Total Depth 4399 Chlorides 4,200 ppm System LCM 1#
 Blow Description IF - 3 in blow
ISF - No blow
FF - 2 1/2 in blow
FSF - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>60</u>	<u>15</u>	<u>85</u>		
<u>135</u>	<u>SOCM</u>		<u>10</u>		<u>90</u>
<u> </u>	<u>75 FT GIP</u>				
<u> </u>	<u> </u>				
<u> </u>	<u> </u>				

Rec Total 185 BHT 123 Gravity 35 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 3,162 Test 1150 T-On Location 18:30
 (B) First Initial Flow 19 Jars 250 T-Started 18:55
 (C) First Final Flow 52 Safety Joint 75 T-Open 22:07
 (D) Initial Shut-In 1,168 Circ Sub _____ T-Pulled 1:07
 (E) Second Initial Flow 56 Hourly Standby _____ T-Out 2:55
 (F) Second Final Flow 77 Mileage 164.7 98 Comments _____
 (G) Final Shut-In 1,194 Sampler _____
 (H) Final Hydrostatic 2,116 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby 1.5d 3.5h
 Accessibility _____

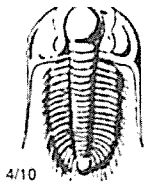
Initial Open 30
 Initial Shut-In 30
 Final Flow 60
 Final Shut-In 60

Sub Total 1573
 Sub Total 116.67
 Total 1689.67
 MP/DST Disc't _____

Approved By _____

Our Representative Burt D... -

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 82334

Well Name & No. Ochs - Carter #1 Test No. 3 Date 4/9/15
 Company Palomine Petroleum Elevation 2438 KB 2433 GL
 Address _____
 Co. Rep / Geo. Andrew Stenzel Rig WW #10
 Location: Sec. 36 Twp. 17s Rge. 26w Co. Ness State KS

Interval Tested 4398 - 4407 Zone Tested Miss
 Anchor Length 9 Drill Pipe Run _____ Mud Wt. 9.4
 Top Packer Depth 4393 Drill Collars Run 120 Vis 49
 Bottom Packer Depth 4398 Wt. Pipe Run - WL 8.8
 Total Depth 4407 Chlorides 4200 ppm System LCM 18
 Blow Description IF - BOB in 30 min
ISI - weak surface blow
IF - BOB in 56 min
ISI - weak surface blow died in 20 min

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>VSONCW</u>	<u>5</u>	<u>85</u>	<u>10</u>	
<u>60</u>	<u>VSWMCO</u>	<u>15</u>	<u>50</u>	<u>5</u>	<u>30</u>
<u>140</u>	<u>60</u>	<u>15</u>	<u>85</u>		
<u>180-ft</u>	<u>GIP</u>				

Rec Total 260 BHT 125 Gravity 35 API RW .38 @ 50 °F Chlorides 25,000 ppm

(A) Initial Hydrostatic <u>2,163</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>8:30</u>
(B) First Initial Flow <u>22</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>8:30</u>
(C) First Final Flow <u>73</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>10:45</u>
(D) Initial Shut-In <u>1,067</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>13:45</u>
(E) Second Initial Flow <u>28</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>16:00</u>
(F) Second Final Flow <u>121</u>	<input checked="" type="checkbox"/> Mileage <u>164.7</u> x <u>2</u> <u>196</u>	Comments <u>loaded 400's</u>
(G) Final Shut-In <u>1,094</u>	<input type="checkbox"/> Sampler _____	<u>4/10/15 3:00</u>
(H) Final Hydrostatic <u>2,146</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Total <u>1671</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1671</u>	

Approved By _____ Our Representative Burt Dren

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