

Confidentiality Requested:

☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1244625

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- ☐ New Well ☐ Re-Entry ☐ Workover
- ☐ Oil ☐ WSW ☐ SWD ☐ SIOW
- ☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
- ☐ OG ☐ GSW ☐ Temp. Abd.
- ☐ CM (Coal Bed Methane)
- ☐ Cathodic ☐ Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- ☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
- ☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer
- ☐ Commingled Permit #: _____
- ☐ Dual Completion Permit #: _____
- ☐ SWD Permit #: _____
- ☐ ENHR Permit #: _____
- ☐ GSW Permit #: _____

Spud Date or
Recompletion Date

Date Reached TD

Completion Date or
Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West

_____ Feet from ☐ North / ☐ South Line of Section

_____ Feet from ☐ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☐ SE ☐ SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☐ No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

☐ Confidentiality Requested

Date: _____

☐ Confidential Release Date: _____

☐ Wireline Log Received

☐ Geologist Report Received

☐ UIC Distribution

ALT ☐ I ☐ II ☐ III Approved by: _____ Date: _____



1244625

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

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

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

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

Drill Stem Tests Taken (Attach Additional Sheets)	☐ Yes ☐ No	☐ Log	Formation (Top), Depth and Datum	☐ Sample
Samples Sent to Geological Survey	☐ Yes ☐ No	Name	Top	Datum
Cores Taken	☐ Yes ☐ No			
Electric Log Run	☐ Yes ☐ No			
List All E. Logs Run:				

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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD				
☐ Plug Off Zone				

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: ☐ Yes ☐ No
Date of First, Resumed Production, SWD or ENHR.	Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled (Submit ACO-5) ☐ Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Patsy Demel 1
Doc ID	1244625

Tops

Name	Top	Datum
Anhy.	867	(+1114)
Base Anhy.	892	(+1089)
Topeka	2810	(-829)
Heebner	3092	(-1111)
Toronto	3110	(-1129)
Brown Lime	3182	(-1201)
LKC	3200	(-1219)
BKC	3425	(-1444)
Arbuckle	3443	(-1462)
LTD	3569	(-1588)



PO Box 93999
Southlake, TX 76092

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

RECEIVED

JAN 26 2015

INVOICE

Invoice Number: 148202

Invoice Date: Jan 12, 2015

Page: 1

Federal Tax I.D.#: 20-8651475

Bill To:

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

Customer ID	Field Ticket #	Payment Terms	
Palo	67272	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Great Bend	Jan 12, 2015	2/11/15

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Patsy Demel #1		
250.00	CEMENT MATERIALS	Class A Common	17.90	4,475.00
470.00	CEMENT MATERIALS	Gel	0.50	235.00
705.00	CEMENT MATERIALS	Chloride	1.10	775.50
270.33	CEMENT SERVICE	Cubic Feet Charge	2.48	670.42
246.80	CEMENT SERVICE	Ton Mileage Charge	2.75	678.70
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
20.00	CEMENT SERVICE	Pump Truck Mileage	7.70	154.00
20.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	88.00
1.00	CEMENT SUPERVISOR	Joshua Isaac		
1.00	OPERATOR ASSISTANT	Brian Lang		
1.00	OPERATOR ASSISTANT	Patrick Walker		

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

\$ 3,006.10

ONLY IF PAID ON OR BEFORE

Feb 11, 2015

Subtotal	8,588.87
Sales Tax	392.21
Total Invoice Amount	8,981.08
Payment/Credit Applied	
TOTAL	8,981.08

ALLIED OIL & GAS SERVICES, LLC

Federal Tax I.D. #20-5975804

067272

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

SERVICE POINT:

Great bend

DATE <u>1-12-15</u>	SEC. <u>6</u>	TWP. <u>7</u>	RANGE <u>12</u>	CALLED OUT	ON LOCATION <u>4pm</u>	JOB START <u>7 AM</u>	JOB FINISH <u>7:30 AM</u>
LEASE <u>Putsey Drivell</u>		WELL # <u>1</u>	LOCATION <u>Susank 4E 24.5 East</u>		COUNTY <u>Denton</u>	STATE <u>TX</u>	
OLD OR NEW (Circle one)							

CONTRACTOR WW
TYPE OF JOB Susank
HOLE SIZE 12 1/4 T.D.
CASING SIZE 8 5/8 DEPTH 451
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 986 ft
PERFS.
DISPLACEMENT 27.45 bbl H2O

EQUIPMENT

PUMP TRUCK CEMENTER chh Isaac
388 HELPER Brian Long
BULK TRUCK
871-112 DRIVER Patrick Walker
BULK TRUCK
DRIVER

REMARKS:

Relocation - Rig up - local safety meeting
Run 9 5/8 casing - Break Circ.
Pump 5 bbl H2O
Mix 250 sk class A 3 1/2 cc 2 1/2 gal
Displace 27.45 bbl H2O
Shut in
Cement did circulate
Rig down

CHARGE TO: Putserino
STREET
CITY STATE ZIP

OWNER
CEMENT
AMOUNT ORDERED 250 SK class A
3 1/2 cc 2 1/2 gal
COMMON 250 @ 17.90 4,475.00
POZMIX @
GEL 470 @ .50 235.00
CHLORIDE 705 @ 1.10 775.50
ASC @
TOTAL 5485.50

DISCOUNT 35% 1919.93

SERVICE

HANDLING 270.33 @ 2.48 670.42
MILEAGE 12.34 x 20 x 2.25 678.70
DEPTH OF JOB
PUMP TRUCK CHARGE 1512.25
EXTRA FOOTAGE @
HV MILEAGE Hum 20 @ 7.70 154.00
LV MILEAGE 20 @ 4.40 88.00
TOTAL 3103.37

DISCOUNT 35% 1086.17

PLUG & FLOAT EQUIPMENT

TOTAL 0
DISCOUNT 0% 0

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

PRINTED NAME X Mark Bigge
SIGNATURE X Mark Bigge
Thank you!!

SALES TAX (If Any)
TOTAL CHARGES 8,588.87
DISCOUNT 3006.10 IF PAID IN 30 DAYS
NET TOTAL 5,582.77 IF PAID IN 30 DAYS



PO Box 93999
Southlake, TX 76092

RECEIVED

FEB 02 2015

INVOICE

Invoice Number: 148296

Invoice Date: Jan 18, 2015

Page: 1

Voice: (817) 546-7282

Fax: (817) 246-3361

Federal Tax I.D.#: 20-8651475

Bill To:

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

Customer ID	Field Ticket #	Payment Terms	
Palo	63741	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-03	Great Bend	Jan 18, 2015	2/17/15

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Patsy Demel #1		
240.00	CEMENT MATERIALS	60/40/4% Gel Blend	18.92	4,540.80
60.00	CEMENT MATERIALS	Flo Seal	2.97	178.20
257.76	CEMENT SERVICE	Cubic Feet Charge	2.48	639.24
215.20	CEMENT SERVICE	Ton Mileage Charge	2.75	591.80
1.00	CEMENT SERVICE	Plug to Abandon	2,600.47	2,600.47
20.00	CEMENT SERVICE	Pump Truck Mileage	7.70	154.00
20.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	88.00
1.00	EQUIPMENT SALES	8-5/8 Wooden Plug	110.00	110.00
1.00	CEMENT SUPERVISOR	Kevin Eddy		
1.00	EQUIPMENT OPERATOR	Dustin Chambers		
1.00	OPERATOR ASSISTANT	Marlyn Spangenberg		

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

\$ 3,115.88

ONLY IF PAID ON OR BEFORE

Feb 17, 2015

Subtotal	8,902.51
Sales Tax	636.53
Total Invoice Amount	9,539.04
Payment/Credit Applied	
TOTAL	9,539.04

ALLIED OIL & GAS SERVICES, LLC 063741

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Great Bend KS

DATE <u>01-18-15</u>	SEC. <u>6</u>	TWP. <u>17</u>	RANGE <u>12</u>	CALLED OUT	ON LOCATION <u>10:30</u>	JOB START <u>2:00 AM</u>	JOB FINISH <u>3:00 AM</u>
LEASE <u>Demel</u>	WELL # <u>1</u>	LOCATION <u>Horsington To K4 East To 40R2</u>			COUNTY <u>Barton</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)				<u>4 North East into</u>			

CONTRACTOR WWS Drilling OWNER _____

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. 3429 CEMENT

CASING SIZE _____ DEPTH _____ AMOUNT ORDERED 240 5x 60 / 40 40% 60

TUBING SIZE _____ DEPTH _____ 1/4 flt

DRILL PIPE 4 1/2 x 42 DEPTH 3429

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. All

PERFS. _____

DISPLACEMENT Fresh H2O

EQUIPMENT

PUMP TRUCK CEMENTER Kevin Eddy

366 HELPER Dustin Chamber

BULK TRUCK

610/170 DRIVER Marilyn Spangenberg

BULK TRUCK

_____ DRIVER _____

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

240 5x 60 / 40 + 4% @ 18.92 4.540.80

810 60 @ 2.97 178.20

Materials Total 4.719.00

Disc 35% 1.651.65

_____ @ _____

_____ @ _____

Service @ _____

HANDLING 257.74 @ 2.48 639.24

MILEAGE 10.76 x 20 x 2.75 591.80

REMARKS:

On Location / Hold Safety meeting Rig up

Rig Ran 3429 ft of 4 1/2 Drill Pipe

#1 Plug @ 3429 ft @ 50 5x5

#2 Plug @ 885 ft @ 50 5x5

#3 Plug @ 500 ft @ 100 5x5

#4 Plug @ 406 ft @ 10 5x5

Rat Hole @ 30 5x5

Rig Down

DEPTH OF JOB 3429

PUMP TRUCK CHARGE 2600.00

EXTRA FOOTAGE _____ @ _____

MILEAGE Hum 20 @ 7.70 154.00

MANIFOLD _____ @ _____

Hum 20 @ 4.40 88.00

_____ @ _____

CHARGE TO: Palomares Petroleum

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL 4.073.51

Disc 35% 1.425.73

PLUG & FLOAT EQUIPMENT

18 5/8 Wooden Plug 110.00 110.00

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL 110.00

Disc 35% 38.50

SALES TAX (If Any) _____

TOTAL CHARGES 8.902.51

35% 3.115.88

DISCOUNT _____ IF PAID IN 30 DAYS

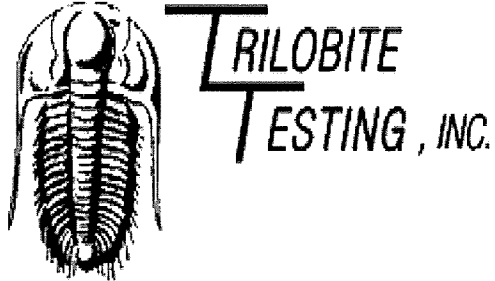
5.786.63

PRINTED NAME Mark Basso

SIGNATURE Mark Basso

To: Allied Oil & Gas Services, LLC.

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



DRILL STEM TEST REPORT

Prepared For: **Palamino Petroleum Incorporated**

4920 SE 84th Street
Newton, KS 67114+8827

ATTN: Nick Gerstner

Patsy Demel #1

6-17s-12w Barton,KS

Start Date: 2015.01.17 @ 00:49:00

End Date: 2015.01.17 @ 05:56:30

Job Ticket #: 62041 DST #: 1

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

Printed: 2015.01.20 @ 09:59:29



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Palamino Petroleum Incorporated

4920 SE 84th Street
New ton, KS 67114+8827

ATTN: Nick Gerstner

6-17s-12w Barton, KS

Patsy Demel #1

Job Ticket: 62041

DST#: 1

Test Start: 2015.01.17 @ 00:49:00

GENERAL INFORMATION:

Formation: **LKC "A-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:26:00

Time Test Ended: 05:56:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: S1

Interval: **3192.00 ft (KB) To 3283.00 ft (KB) (TVD)**

Total Depth: 3283.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1981.00 ft (KB)

1976.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **6749** Inside

Press@RunDepth: 94.05 psig @ 3279.26 ft (KB)

Start Date: 2015.01.17

End Date:

2015.01.17

Start Time: 00:50:00

End Time:

05:56:30

Capacity: 8000.00 psig

Last Calib.: 2015.01.17

Time On Btm: 2015.01.17 @ 02:25:50

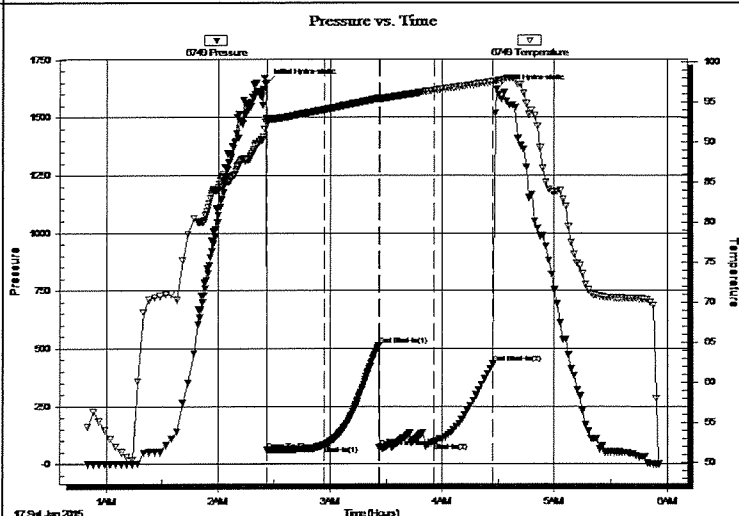
Time Off Btm: 2015.01.17 @ 04:29:00

TEST COMMENT: IFP 30 Minutes/Weak blow/Blow built to 1/2 inch then died in 23 minutes

ISI 30 Minutes/No blow back

FFP 30 Minutes/Light surge at open then dead

FSI 30 Minutes/No blow back



PRESSURE SUMMARY

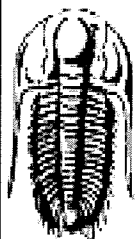
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1648.68	92.93	Initial Hydro-static
1	59.16	92.30	Open To Flow (1)
31	80.36	94.08	Shut-In(1)
60	510.92	95.47	End Shut-In(1)
61	69.21	95.39	Open To Flow (2)
90	94.05	96.47	Shut-In(2)
122	433.32	97.56	End Shut-In(2)
124	1621.48	97.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.02

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palamino Petroleum Incorporated

4920 SE 84th Street
New ton, KS 67114+8827

ATTN: Nick Gerstner

6-17s-12w Barton, KS

Patsy Demel #1

Job Ticket: 62041

DST#: 1

Test Start: 2015.01.17 @ 00:49:00

GENERAL INFORMATION:

Formation: **LKC "A-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:26:00

Time Test Ended: 05:56:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Sw inney

Unit No: S1

Interval: **3192.00 ft (KB) To 3283.00 ft (KB) (TVD)**

Total Depth: 3283.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1981.00 ft (KB)

1976.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **6663** Outside

Press@RunDepth: 437.85 psig @ 3280.26 ft (KB)

Start Date: 2015.01.17

End Date:

2015.01.17

Start Time: 00:49:01

End Time:

05:56:10

Capacity: 8000.00 psig

Last Calib.: 2015.01.17

Time On Btm: 2015.01.17 @ 02:25:30

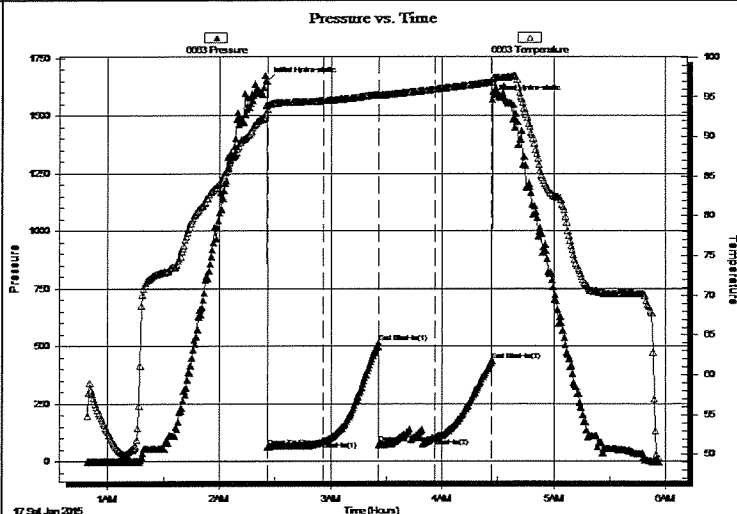
Time Off Btm: 2015.01.17 @ 04:27:01

TEST COMMENT: IFP 30 Minutes/Weak blow /Blow built to 1/2 inch then died in 23 minutes

ISI 30 Minutes/No blow back

FFP 30 Minutes/Light surge at open then dead

FSI 30 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1649.32	94.13	Initial Hydro-static
1	61.61	93.44	Open To Flow (1)
31	88.61	94.54	Shut-In(1)
61	513.46	95.31	End Shut-In(1)
61	72.28	95.21	Open To Flow (2)
91	102.07	95.96	Shut-In(2)
122	437.85	96.91	End Shut-In(2)
122	1571.01	97.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.02

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palamino Petroleum Incorporated

6-17s-12w Barton, KS

4920 SE 84th Street
New ton, KS 67114+8827

Patsy Demel #1

Job Ticket: 62041

DST#: 1

ATTN: Nick Gerstner

Test Start: 2015.01.17 @ 00:49:00

Tool Information

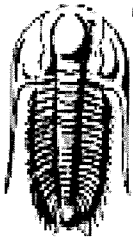
Drill Pipe:	Length:	3052.00 ft	Diameter:	3.80 inches	Volume:	42.81 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:	44000.00 lb
					Total Volume:	43.40 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		8.00 ft					String Weight: Initial	32000.00 lb
Depth to Top Packer:		3192.00 ft					Final	32000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		91.26 ft						
Tool Length:		119.26 ft						
Number of Packers:		1	Diameter:	6.75 inches				

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut-In Tool	5.00			3169.00	
Hydraulic tool	5.00			3174.00	
Jars	6.00			3180.00	
Safety Joint	2.00			3182.00	
Top Packer	5.00			3187.00	
Packer	5.00			3192.00	28.00 Bottom Of Top Packer
Anchor	6.00			3198.00	
Change Over Sub	0.75			3198.75	
Drill Pipe	63.76			3262.51	
Change Over Sub	0.75			3263.26	
Anchor	15.00			3278.26	
Recorder	1.00	6749	Inside	3279.26	
Recorder	1.00	6663	Outside	3280.26	
Bullnose	3.00			3283.26	91.26 Anchor Tool

Total Tool Length: 119.26



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palamino Petroleum Incorporated

6-17s-12w Barton, KS

4920 SE 84th Street
New ton, KS 67114+8827

Patsy Demel #1

Job Ticket: 62041

DST#: 1

ATTN: Nick Gerstner

Test Start: 2015.01.17 @ 00:49:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 8.77 in³

Resistivity: ohm.m

Salinity: 7500.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100%	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6749

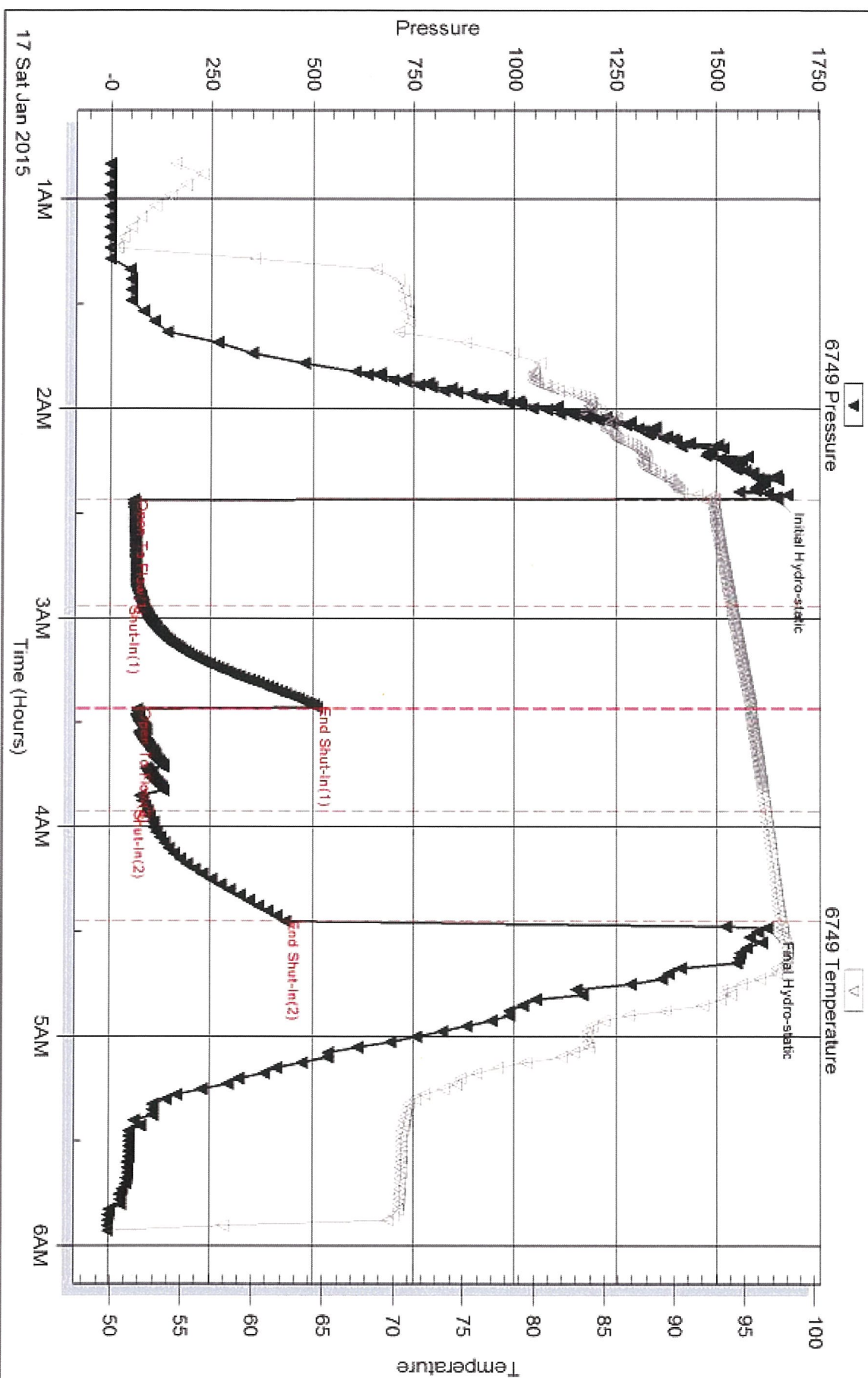
Inside

Palamino Petroleum Incorporated

Patsy Demei #1

DST Test Number: 1

Pressure vs. Time



Serial #: 6663

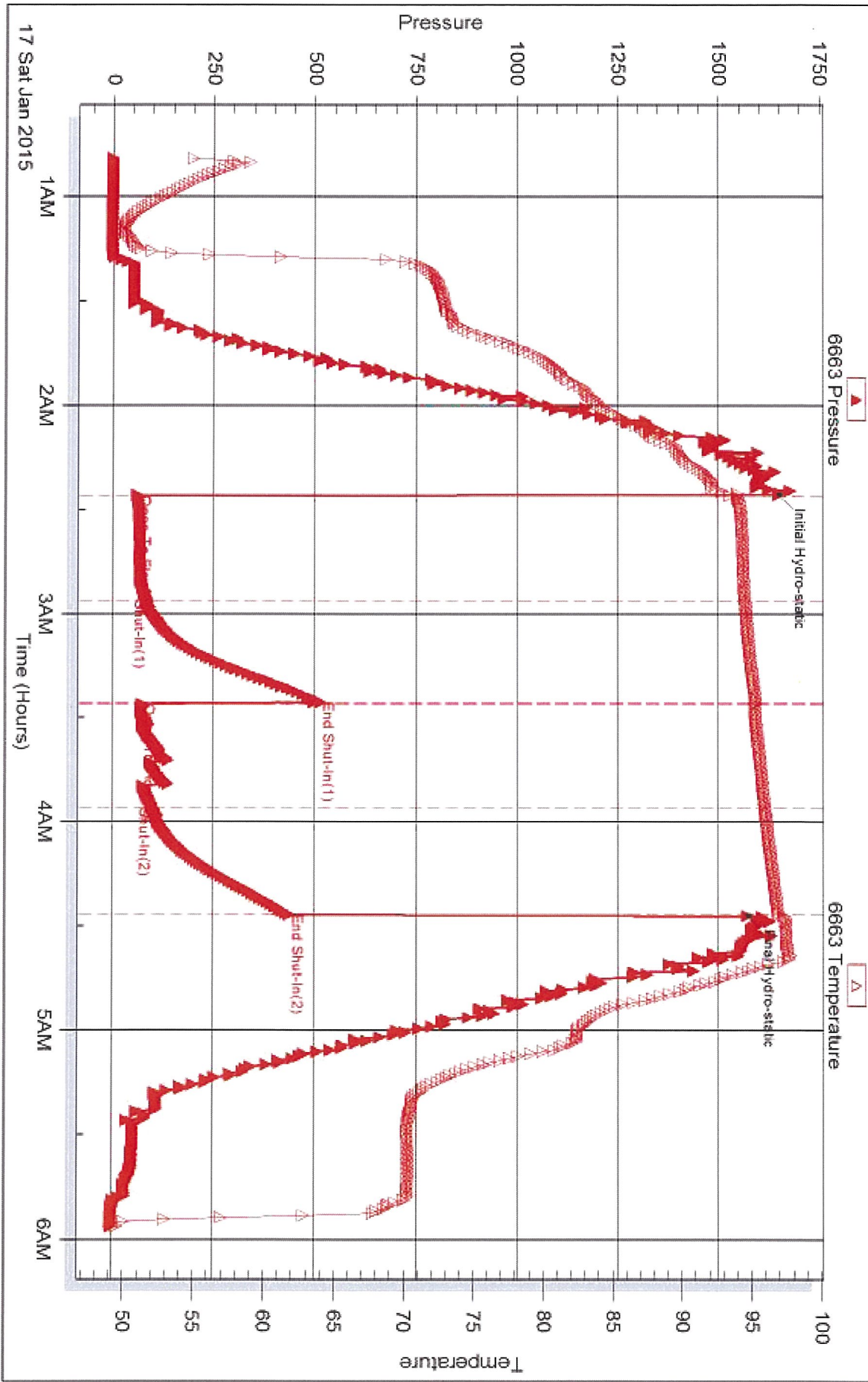
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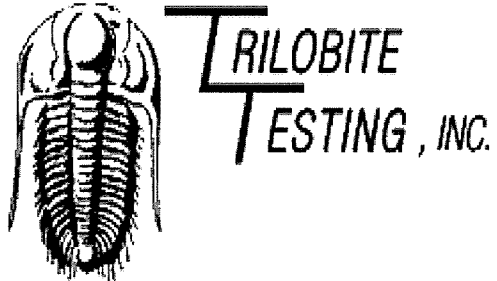
Palamino Petroleum Incorporated

Patsy Deneal #1

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Palamino Petroleum Incorporated**

4920 SE 84th Street
Newton, KS 67114+8827

ATTN: Nick Gerstner

Patsy Demel #1

6-17s-12w Barton,KS

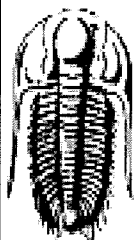
Start Date: 2015.01.17 @ 21:48:00

End Date: 2015.01.18 @ 03:02:00

Job Ticket #: 62042 DST #: 2

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

Printed: 2015.01.20 @ 09:59:01



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palamino Petroleum Incorporated

6-17s-12w Barton, KS

4920 SE 84th Street
New ton, KS 67114+8827

Patsy Demel #1

Job Ticket: 62042

DST#: 2

ATTN: Nick Gerstner

Test Start: 2015.01.17 @ 21:48:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:34:10

Time Test Ended: 03:02:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: S1

Interval: **3409.00 ft (KB) To 3464.00 ft (KB) (TVD)**

Total Depth: 3464.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1981.00 ft (KB)

1976.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6749 Inside

Press@RunDepth: 1141.34 psig @ 3460.69 ft (KB)

Start Date: 2015.01.17

End Date:

2015.01.18

Start Time: 21:49:00

End Time:

03:02:00

Capacity: 8000.00 psig

Last Calib.: 2015.01.18

Time On Btm: 2015.01.17 @ 23:33:50

Time Off Btm: 2015.01.18 @ 01:35:30

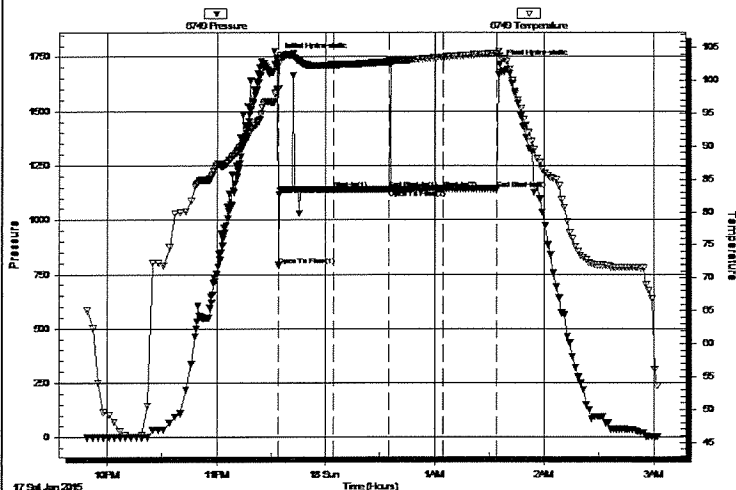
TEST COMMENT: IFP 30 Mintues/Strong build to 8 inch in 45 sec. then stopped/Flush tool/Stong surge then stopped

ISI 30 Mintues/No blow back

FFP 30 Mintues/No blow /Flush tool/Light built to 1/4 inch then died 5 minutes after flush

FSI 30 Minutes/No blow back

Pressure vs. Time



PRESSURE SUMMARY

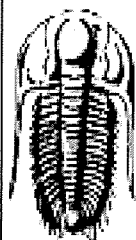
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1747.76	98.88	Initial Hydro-static
1	791.89	98.80	Open To Flow (1)
31	1140.51	102.35	Shut-In(1)
61	1140.99	102.85	End Shut-In(1)
62	1140.99	102.85	Open To Flow (2)
91	1141.34	103.53	Shut-In(2)
121	1141.57	104.15	End Shut-In(2)
122	1715.93	103.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
135.00	Mud 100%	0.80

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palamino Petroleum Incorporated

6-17s-12w Barton, KS

4920 SE 84th Street
New ton, KS 67114+8827

Patsy Demel #1

Job Ticket: 62042

DST#: 2

ATTN: Nick Gerstner

Test Start: 2015.01.17 @ 21:48:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:34:10

Time Test Ended: 03:02:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: S1

Interval: 3409.00 ft (KB) To 3464.00 ft (KB) (TVD)

Total Depth: 3464.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1981.00 ft (KB)

1976.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6663 Outside

Press@RunDepth: 1143.87 psig @ 3461.69 ft (KB)

Start Date: 2015.01.17

End Date:

2015.01.18

Start Time: 21:48:01

End Time:

03:01:58

Capacity: 8000.00 psig

Last Calib.: 2015.01.18

Time On Btm: 2015.01.17 @ 23:33:47

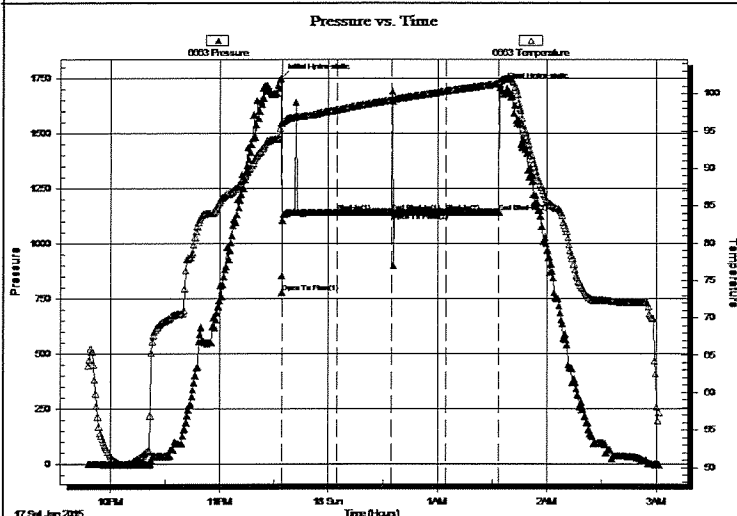
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TEST COMMENT: IFP 30 Mintues/Strong build to 8 inch in 45 sec. then stopped/Flush tool/Stong surge then stopped

ISI 30 Mintues/No blow back

FFP 30 Mintues/No blow /Flush tool/Light built to 1/4 inch then died 5 minutes after flush

FSI 30 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1751.77	96.02	Initial Hydro-static
1	780.44	95.97	Open To Flow (1)
31	1143.00	97.83	Shut-In(1)
61	1143.54	99.14	End Shut-In(1)
61	1143.53	99.14	Open To Flow (2)
91	1143.71	100.32	Shut-In(2)
120	1143.87	101.35	End Shut-In(2)
121	1709.99	101.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
135.00	Mud 100%	0.80

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palamino Petroleum Incorporated

6-17s-12w Barton,KS

4920 SE 84th Street
New ton, KS 67114+8827

Patsy Demel #1

Job Ticket: 62042

DST#: 2

ATTN: Nick Gerstner

Test Start: 2015.01.17 @ 21:48:00

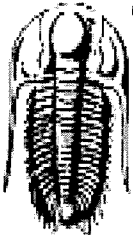
Tool Information

Drill Pipe:	Length:	3273.00 ft	Diameter:	3.80 inches	Volume:	45.91 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:	48000.00 lb
					Total Volume:	46.50 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		12.00 ft					String Weight: Initial	35000.00 lb
Depth to Top Packer:		3409.00 ft					Final	35000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		55.69 ft						
Tool Length:		83.69 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			3386.00	
Hydraulic tool	5.00			3391.00	
Jars	6.00			3397.00	
Safety Joint	2.00			3399.00	
Top Packer	5.00			3404.00	
Packer	5.00			3409.00	28.00 Bottom Of Top Packer
Anchor	6.00			3415.00	
Change Over Sub	0.75			3415.75	
Drill Pipe	32.19			3447.94	
Change Over Sub	0.75			3448.69	
Anchor	11.00			3459.69	
Recorder	1.00	6749	Inside	3460.69	
Recorder	1.00	6663	Outside	3461.69	
Bullnose	3.00			3464.69	55.69 Anchor Tool

Total Tool Length: 83.69



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palamino Petroleum Incorporated

6-17s-12w Barton, KS

4920 SE 84th Street
New ton, KS 67114+8827

Patsy Demel #1

Job Ticket: 62042

DST#: 2

ATTN: Nick Gerstner

Test Start: 2015.01.17 @ 21:48:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 9.18 in³

Resistivity: ohm.m

Salinity: 8100.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
135.00	Mud 100%	0.801

Total Length: 135.00 ft Total Volume: 0.801 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

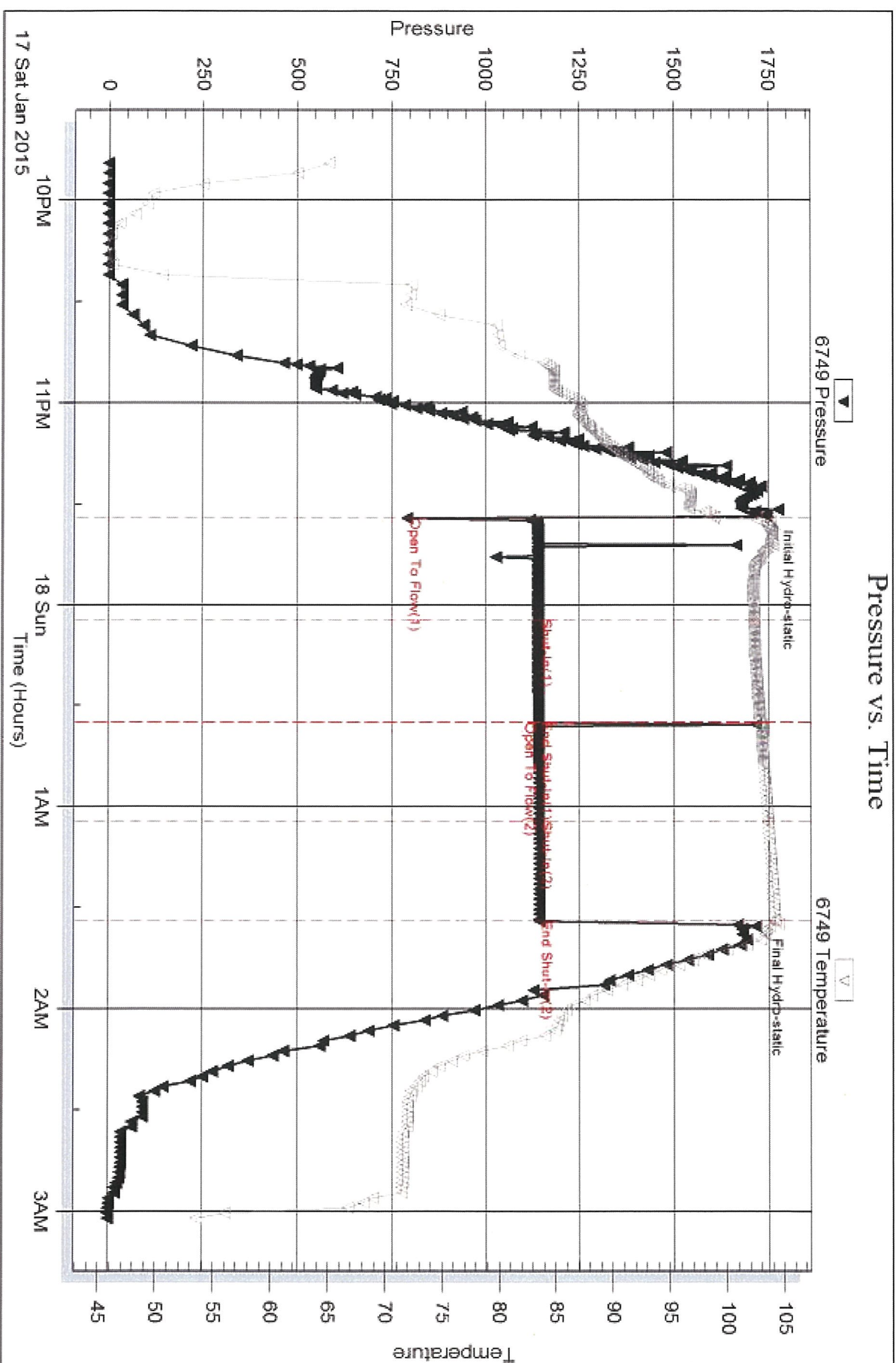
Serial #: 6749

Inside

Palamino Petroleum Incorporated

Patsy Deneil #1

DST Test Number: 2



Serial #: 6663

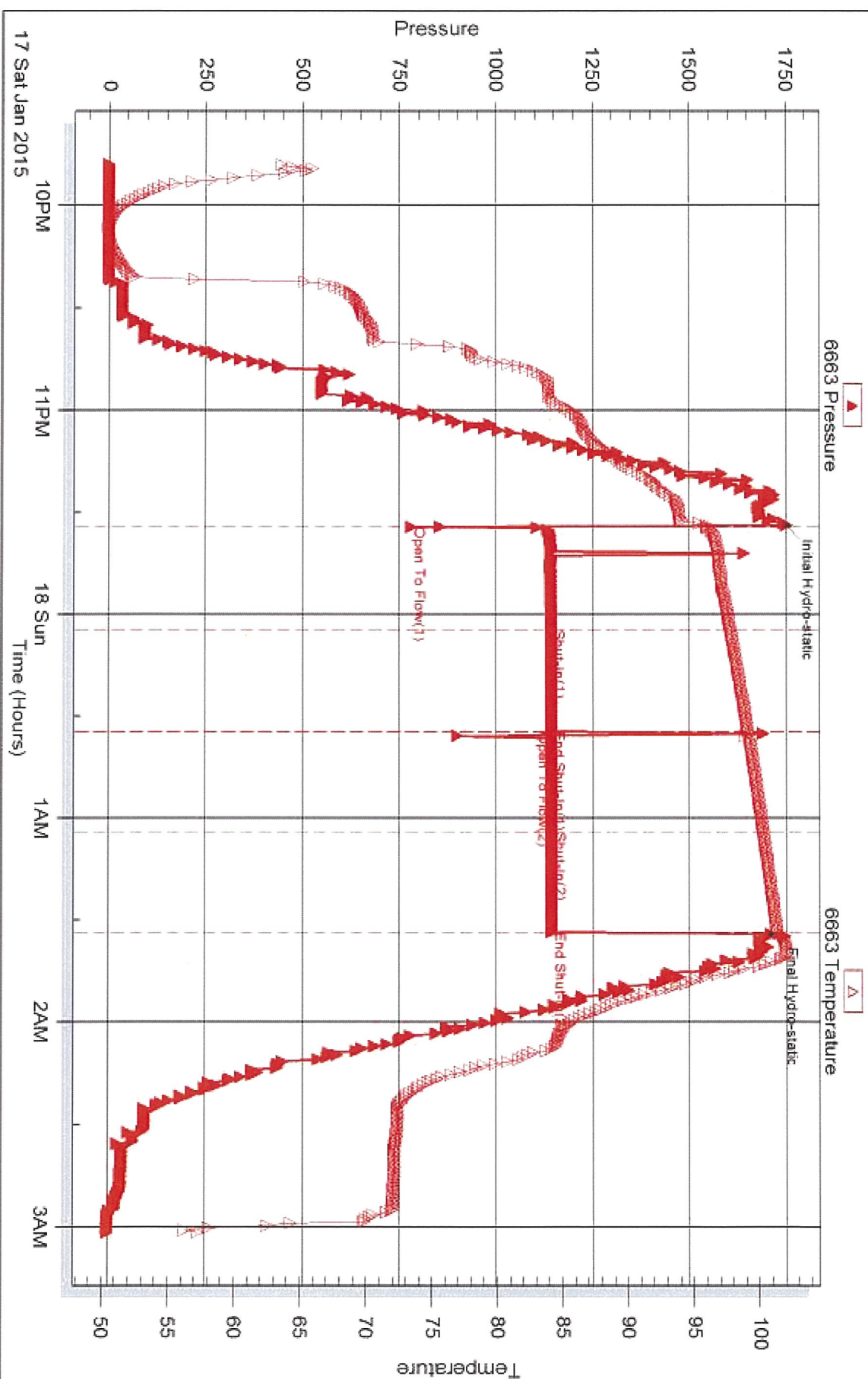
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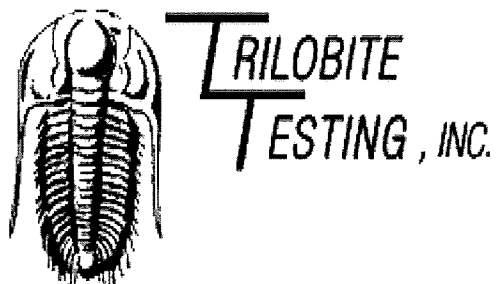
Palamino Petroleum Incorporated

Patsy Demel #1

DST Test Number: 2

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Palamino Petroleum Incorporated**

4920 SE 84th Street
Newton, KS 67114+8827

ATTN: Nick Gerstner

Patsy Demel #1

6-17s-12w Barton,KS

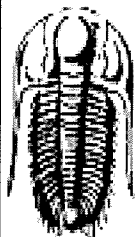
Start Date: 2015.01.18 @ 15:39:01

End Date: 2015.01.18 @ 20:58:46

Job Ticket #: 62043 DST #: 3

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

Printed: 2015.01.20 @ 09:52:55



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palamino Petroleum Incorporated

6-17s-12w Barton, KS

4920 SE 84th Street
New ton, KS 67114+8827

Patsy Demel #1

Job Ticket: 62043

DST#: 3

ATTN: Nick Gerstner

Test Start: 2015.01.18 @ 15:39:01

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:06:34

Time Test Ended: 20:58:46

Test Type: Conventional Straddle (Initial)

Tester: Ken Swinney

Unit No: S1

Interval: **3407.00 ft (KB) To 3463.00 ft (KB) (TVD)**

Reference Elevations: 1981.00 ft (KB)

Total Depth: 3463.00 ft (KB) (TVD)

1976.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6663

Inside

Press@RunDepth: 758.64 psig @ 3535.38 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.18

End Date:

2015.01.18

Last Calib.:

2015.01.18

Start Time: 15:39:01

End Time:

20:58:46

Time On Btm:

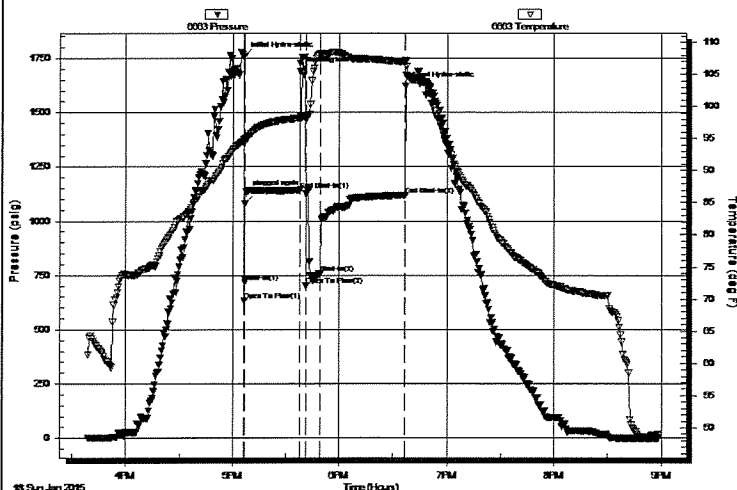
2015.01.18 @ 17:06:32

Time Off Btm:

2015.01.18 @ 18:36:51

TEST COMMENT: 1ST Open 15 Mintues/Blow built to 5 inches in 1 minute then died to 1 inch
1ST Shut In 15 Mintues/No blow back
2ND Open 30 Mintues/No blow /Flush tool multiple times/Blow to bottom of bucket in 2 minutes
2ND Shut In 30 Mintues/No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1761.53	94.90	Initial Hydro-static
1	633.44	94.30	Open To Flow (1)
1	717.11	94.77	Shut-In(1)
1	1079.18	95.00	tool plugged
32	1143.78	98.17	End Shut-In(1)
32	1689.69	98.37	flushing tool
35	700.75	97.87	Open To Flow (2)
35	1121.41	98.37	plugged again
43	758.64	108.25	Shut-In(2)
91	1117.86	106.92	End Shut-In(2)
91	1623.16	107.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
990.00	MW Mud 30% Water 70%	12.79

Gas Rates

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



Palamino Petroleum Incorporated

ATTN: Nick Gerstner

Patsy Demel #1

Job Ticket: 62043

DST#: 3

Test Start: 2015.01.18 @ 15:39:01

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:06:34
Time Test Ended: 20:58:46

Test Type: Conventional Straddle (Initial)
Tester: Ken Swinney
Unit No: S1

Interval: 3407.00 ft (KB) To 3463.00 ft (KB) (TVD)
Total Depth: 3463.00 ft (KB) (TVD)
Hole Diameter: 7.88 inchesHole Condition: Fair

Reference Elevations: 1981.00 ft (KB)
1976.00 ft (CF)
KB to GR/CF: 5.00 ft

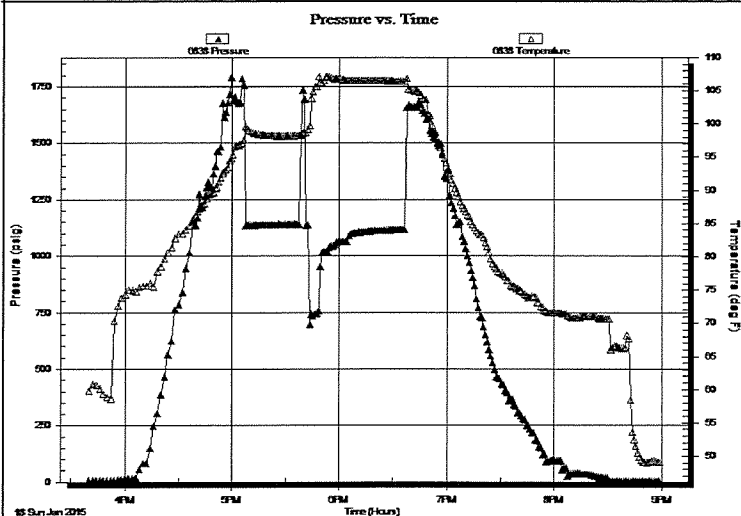
Serial #: 6838

Inside

Press@RunDepth:	psig	@	3535.38 ft (KB)
Start Date:	2015.01.18		End Date:
Start Time:	15:40:00		End Time:

Capacity:	8000.00	psig
Last Calib.:	2015.01.18	
Time On Btm:		
Time Off Btm:		

TEST COMMENT: 1ST Open 15 Mintues/Blow built to 5 inches in 1 minute then died to 1 inch
1ST Shut In 15 Mintues/No blow back
2ND Open 30 Mintues/No blow /Flush tool multiple times/Blow to bottom of bucket in 2 minutes
2ND Shut In 30 Mintues/No blow back



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

Length (ft)	Description	Volume (bbl)
990.00	MW Mud 30% Water 70%	12.79

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palamino Petroleum Incorporated

6-17s-12w Barton, KS

4920 SE 84th Street
New ton, KS 67114+8827

Patsy Demel #1

Job Ticket: 62043

DST#: 3

ATTN: Nick Gerstner

Test Start: 2015.01.18 @ 15:39:01

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:06:34

Time Test Ended: 20:58:46

Test Type: Conventional Straddle (Initial)

Tester: Ken Swinney

Unit No: S1

Interval: 3407.00 ft (KB) To 3463.00 ft (KB) (TVD)

Total Depth: 3463.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1981.00 ft (KB)

1976.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6749 Below (Straddle)

Press@RunDepth: 1198.45 psig @ 3642.87 ft (KB)

Start Date: 2015.01.18

End Date:

2015.01.18

Start Time: 15:37:00

End Time:

20:54:00

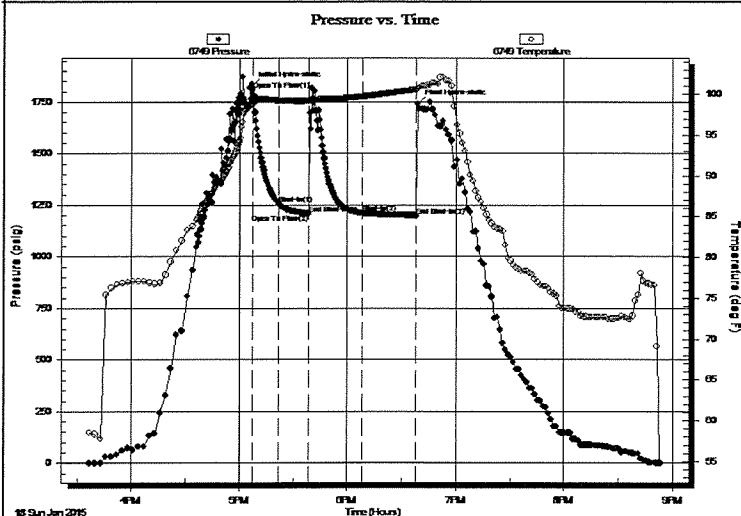
Capacity: 8000.00 psig

Last Calib.: 2015.01.18

Time On Btm: 2015.01.18 @ 17:06:50

Time Off Btm: 2015.01.18 @ 18:39:00

TEST COMMENT: 1ST Open 15 Mintues/Blow built to 5 inches in 1 minute then died to 1 inch
1ST Shut In 15 Mintues/No blow back
2ND Open 30 Mintues/No blow /Flush tool multiple times/Blow to bottom of bucket in 2 minutes
2ND Shut In 30 Mintues/No blow back



PRESSURE SUMMARY

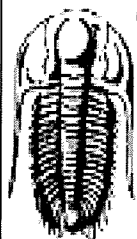
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1826.08	99.16	Initial Hydro-static
1	1808.07	99.34	Open To Flow (1)
16	1256.12	99.21	Shut-In (1)
32	1208.05	99.15	End Shut-In (1)
32	1206.38	99.14	Open To Flow (2)
62	1210.80	99.69	Shut-In (2)
91	1198.45	100.53	End Shut-In (2)
93	1740.85	100.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
990.00	MW Mud 30% Water 70%	12.79

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palamino Petroleum Incorporated

6-17s-12w Barton,KS

4920 SE 84th Street
New ton, KS 67114+8827

Patsy Demel #1

Job Ticket: 62043

DST#: 3

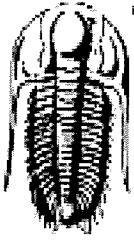
ATTN: Nick Gerstner

Test Start: 2015.01.18 @ 15:39:01

Tool Information

Drill Pipe:	Length:	3274.00 ft	Diameter:	3.80 inches	Volume:	45.93 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:	50000.00 lb
					Total Volume:	46.52 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		11.80 ft					String Weight: Initial	37000.00 lb
Depth to Top Packer:		3407.00 ft					Final	39000.00 lb
Depth to Bottom Packer:		3645.87 ft						
Interval between Packers:		238.87 ft						
Tool Length:		263.67 ft						
Number of Packers:		3	Diameter:	6.75 inches				
Tool Comments:								

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut-In Tool	5.00			3387.20		
Hydraulic tool	5.00			3392.20		
Jars	6.00			3398.20		
Safety Joint	2.00			3400.20		
Top Packer	5.00			3405.20		
Packer	1.80			3407.00	24.80	Bottom Of Top Packer
Anchor	6.00			3413.00		
Change Over Sub	0.67			3413.67		
Drill Pipe	31.71			3445.38		
Change Over Sub	79.00			3524.38		
Handling Sub	5.00			3529.38		
Anchor	6.00			3535.38		
Recorder	0.00	6838	Inside	3535.38		
Recorder	0.00	6663	Inside	3535.38		
Blank Off Sub	0.67			3536.05		
Travel Collar	1.74			3537.79		
Packer (Interval Side)	1.68			3539.47		
Packer (Tail Side)	1.60			3541.07		
Change Over Sub	0.66			3541.73		
Drill Pipe	95.50			3637.23		
Change Over Sub	0.64			3637.87		
Anchor	5.00			3642.87		
Recorder	0.00	6749	Below	3642.87		
Bullnose	3.00			3645.87	238.87	Anchor Tool
Total Tool Length:		263.67				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palamino Petroleum Incorporated

6-17s-12w Barton, KS

4920 SE 84th Street
New ton, KS 67114+8827

Patsy Demel #1

Job Ticket: 62043

DST#: 3

ATTN: Nick Gerstner

Test Start: 2015.01.18 @ 15:39:01

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 9.97 in³

Resistivity: ohm.m

Salinity: 8200.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
990.00	MW Mud 30% Water 70%	12.794

Total Length: 990.00 ft Total Volume: 12.794 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6663

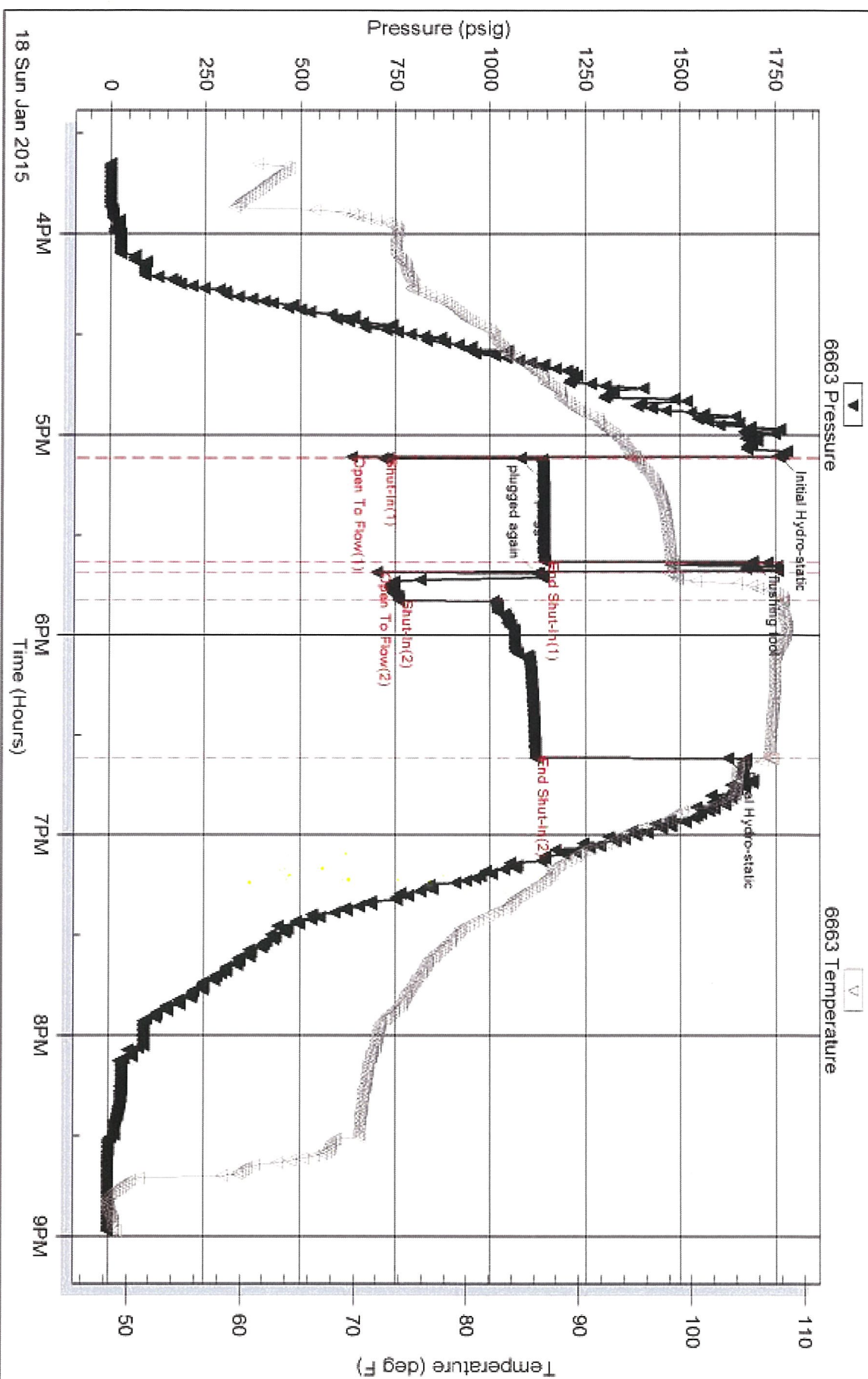
Inside

Palamino Petroleum Incorporated

Patsy Demel #1

DST Test Number: 3

Pressure vs. Time



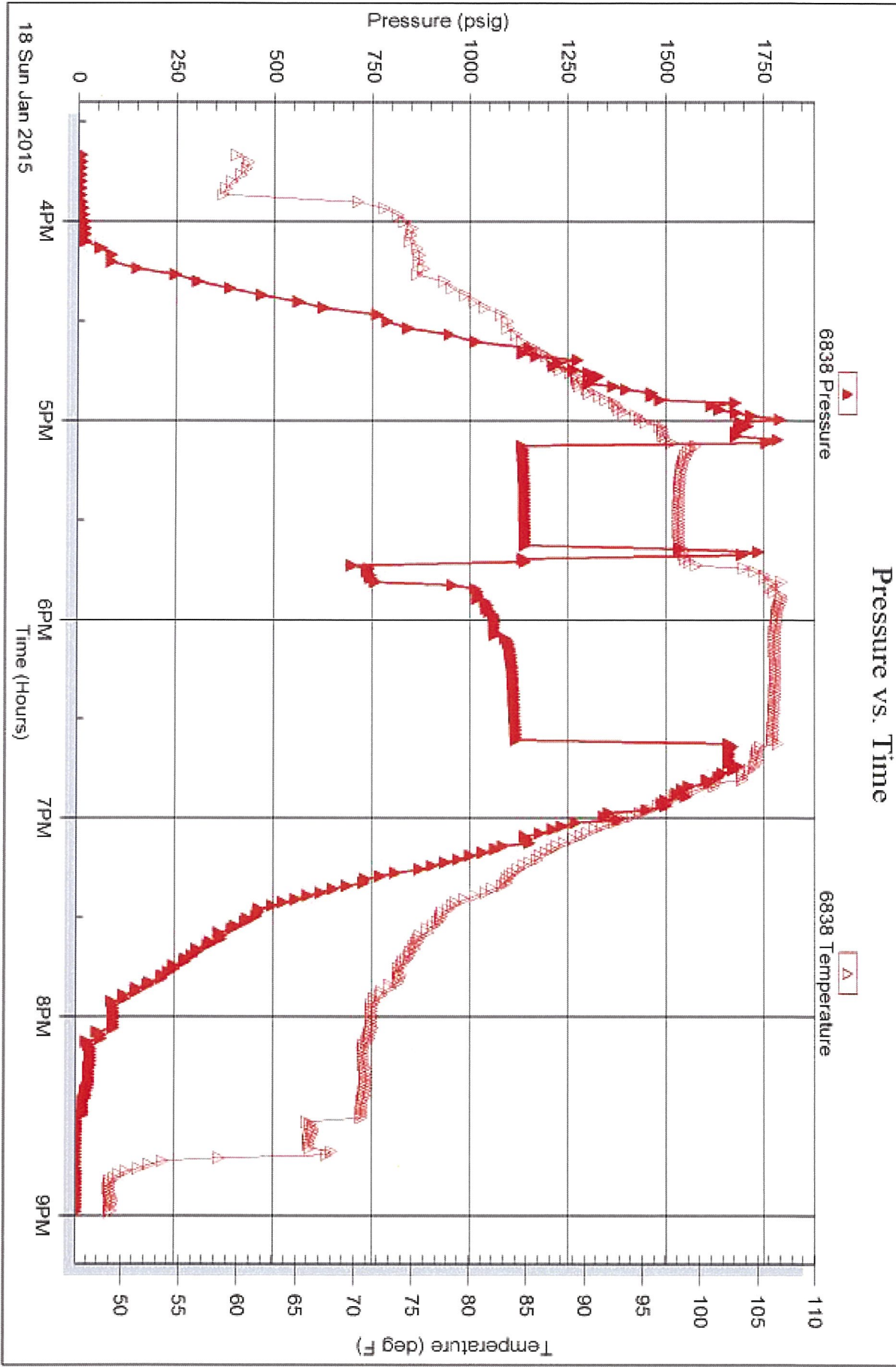
Serial #: 6838

Inside

Palamino Petroleum Incorporated

Patsy Deneil #1

DST Test Number: 3

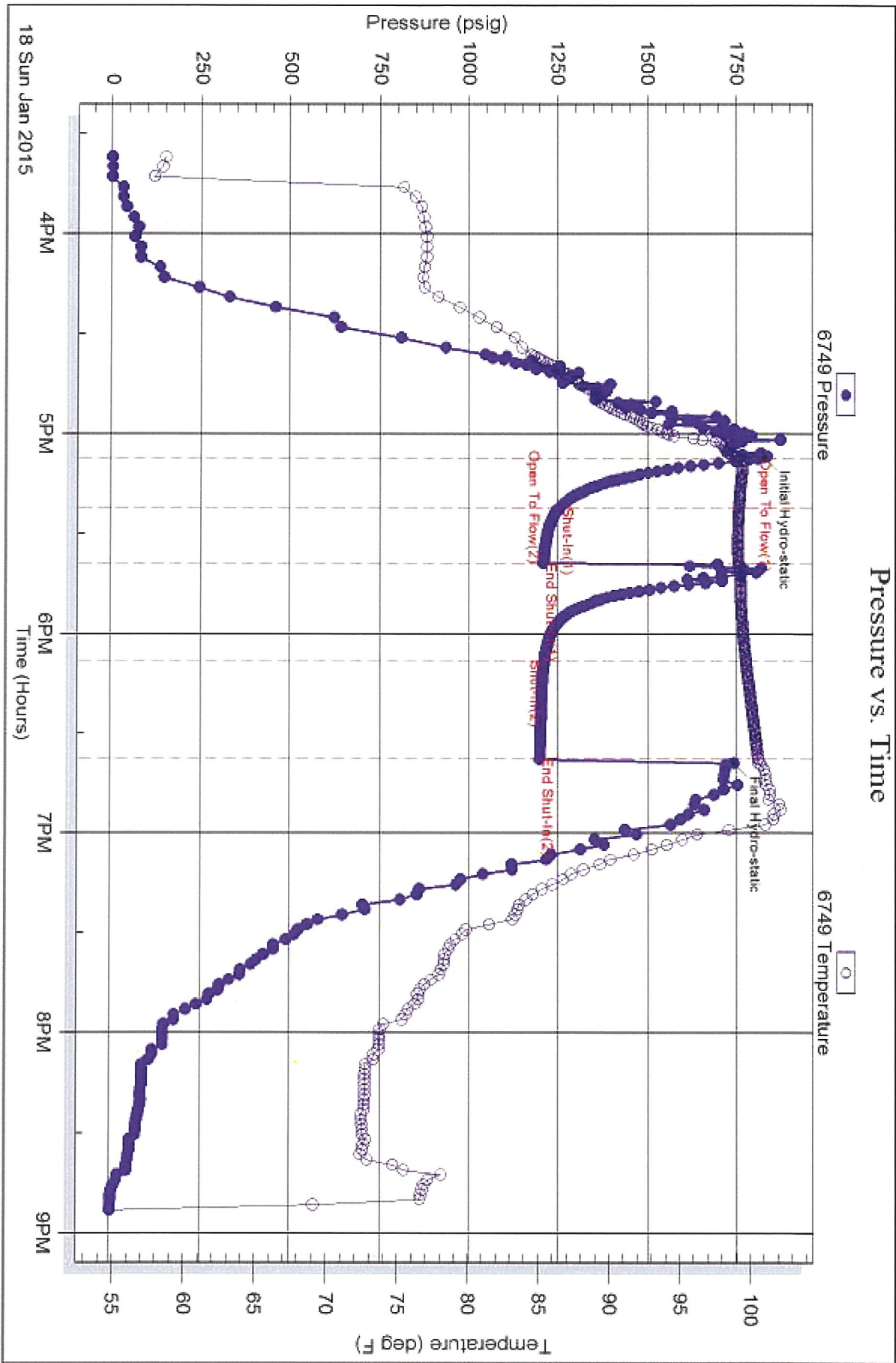


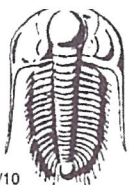
Serial #: 6749

Below (Straterra) Petroleum Incorporated

Patsy Deneil #1

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62041

Well Name & No. Patsy Demel #1 Test No. 1 Date 17 JAN 2015
 Company Palaming Petroleum Incorporated Elevation 1981 KB 1976 GL
 Address 4924 SE 84th Street, Newton Kansas 67114-8827
 Co. Rep / Geo. Nick Gerstner Rig WW Rig #6
 Location: Sec. 6 Twp. 17S Rge. 12W Co. Barton State KS

Interval Tested 3192-3283 Zone Tested Lansing/Kansas City zones A-F
 Anchor Length 91 Drill Pipe Run 3052 Mud Wt. 8.8
 Top Packer Depth 3187 Drill Collars Run 120 Vis 54
 Bottom Packer Depth 3192 Wt. Pipe Run 0 WL 8.8
 Total Depth 3283 Chlorides 7500 ppm System LCM 2#
 Blow Description Weak blow/Blow built to 1/2 inch then died in 23 minutes
No blow back
Light surge at open then dead
No blow back

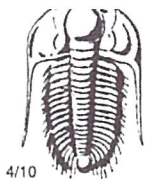
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>5</u>	Feet of <u>mud</u>				<u>100 %mud</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 97 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1648</u>	☐ Test <u>1050</u>	T-On Location <u>11:00 pm</u>
(B) First Initial Flow <u>59</u>	☒ Jars <u>250</u>	T-Started <u>12:49 am</u>
(C) First Final Flow <u>80</u>	☒ Safety Joint <u>75</u>	T-Open <u>2:26 am</u>
(D) Initial Shut-In <u>510</u>	☐ Circ Sub	T-Pulled <u>4:26 am</u>
(E) Second Initial Flow <u>69</u>	☐ Hourly Standby	T-Out <u>5:56 am</u>
(F) Second Final Flow <u>94</u>	☐ Mileage <u>46 46</u>	Comments
(G) Final Shut-In <u>433</u>	☐ Sampler	
(H) Final Hydrostatic <u>1671</u>	☐ Straddle	

Initial Open <u>30</u>	☐ Shale Packer	☐ Ruined Shale Packer
Initial Shut-In <u>30</u>	☐ Extra Packer	☐ Ruined Packer
Final Flow <u>30</u>	☐ Extra Recorder	☐ Extra Copies
Final Shut-In <u>30</u>	☐ Day Standby	Sub Total <u>0</u>
	☐ Accessibility	Total <u>1421</u>
	Sub Total <u>1421</u>	MP/DST Disc't

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62042

Well Name & No. Patsy Demol #1 Test No. 2 Date 17 JAN 15
 Company Palming Petroleum Incorporated Elevation 1981 KB 1976 GL
 Address 4924 SE 84th Street Newton Kansas 67114-8827
 Co. Rep / Geo. Nick Gerstner Rig WW Rig #6
 Location: Sec. 6 Twp. 17S Rge. 12W Co. Barton State KS

Interval Tested 3409-3464 Zone Tested Arbuckle
 Anchor Length 55 Drill Pipe Run 3273 Mud Wt. 9.2
 Top Packer Depth 3404 Drill Collars Run 120 Vis 54
 Bottom Packer Depth 3409 Wt. Pipe Run 0 WL 9.2
 Total Depth 3464 Chlorides 8100 ppm System LCM 2
 Blow Description Strong build to 8 inches in 45 seconds then stopped/Flush tool twice/Strong surge then stopped after each flush/No blow back/Second open no blow/Flush tool/Light build to 1/4 inch then died 5 minutes after flush/

Rec	Feet of	%gas	%oil	%water	%mud
<u>135</u>	<u>Mud</u>			<u>100</u>	

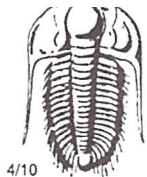
Rec Total _____ BHT 104 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1747</u>	☐ Test <u>850</u>	T-On Location <u>9:30 pm</u>
(B) First Initial Flow <u>791</u>	☒ Jars <u>250</u>	T-Started <u>9:48 pm</u>
(C) First Final Flow <u>1140</u>	☒ Safety Joint <u>75</u>	T-Open <u>11:34 pm</u>
(D) Initial Shut-In <u>1140</u>	☐ Circ Sub _____	T-Pulled <u>1:34 am</u>
(E) Second Initial Flow <u>1140</u>	☐ Hourly Standby _____	T-Out <u>3:01 am</u>
(F) Second Final Flow <u>1141</u>	☐ Mileage <u>4/6 46</u>	Comments _____
(G) Final Shut-In <u>1141</u>	☐ Sampler _____	
(H) Final Hydrostatic <u>1715</u>	☐ Straddle _____	

Initial Open <u>30</u>	☐ Shale Packer _____	☐ Ruined Shale Packer _____
Initial Shut-In <u>30</u>	☐ Extra Packer _____	☐ Ruined Packer _____
Final Flow <u>30</u>	☐ Extra Recorder _____	☐ Extra Copies _____
Final Shut-In <u>30</u>	☐ Day Standby _____	Sub Total <u>0</u>
	☐ Accessibility _____	Total <u>1221</u>
	Sub Total <u>1221</u>	MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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**TRILOBITE
TESTING INC.**

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **62043**

Well Name & No. Patsy Demel #1 Test No. 3 Date 18 JAN 15
Company Paleo-oil Petroleum Incorporated Elevation 1981 KB 1976 GL
Address 4924 SE 84th Street Newton Kansas 67114-8827
Co. Rep / Geo. Nick Gerstner Rig WW Rig #6
Location: Sec. 6 Twp. 17S Rge. 12W Co. Barton State KS

Interval Tested 3407-3463 Zone Tested Arbuckle
Anchor Length 56 Drill Pipe Run 3274 Mud Wt. 9.35
Top Packer Depth 3402 Drill Collars Run 120 Vis 50
Bottom Packer Depth 3407 Wt. Pipe Run 0 WL 10.0
Total Depth 3570 Chlorides 8200 ppm System LCM 1#

Blow Description Blow built to 5 inches in 1 minute then died back to 1 inch
No blow back
No blow/Flush tool multiple times/Blow built to bottom of bucket 2 min.
No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>990</u>	<u>muddy water</u>			<u>70</u>	<u>30</u>

Rec Total 990 BHT 106 Gravity _____ API RW .7 @ 54 °F Chlorides 15,000 ppm

(A) Initial Hydrostatic	☐ Test <u>850</u>	T-On Location <u>3:15 pm</u>
(B) First Initial Flow	☒ Jars <u>250</u>	T-Started <u>3:35 pm</u>
(C) First Final Flow	☒ Safety Joint <u>75</u>	T-Open <u>5:07 pm</u>
(D) Initial Shut-In	☐ Circ Sub	T-Pulled <u>6:37 pm</u>
(E) Second Initial Flow	☐ Hourly Standby	T-Out <u>8:53 pm</u>
(F) Second Final Flow	☒ Mileage <u>96</u> <u>46</u>	Comments
(G) Final Shut-In	☐ Sampler	
(H) Final Hydrostatic	☒ Straddle <u>600</u>	

Initial Open <u>15</u>	☒ Extra Packer <u>100</u>	☐ Ruined Shale Packer
Initial Shut-In <u>15</u>	☐ Extra Recorder	☐ Ruined Packer
Final Flow <u>30</u>	☐ Day Standby	☐ Extra Copies
Final Shut-In <u>30</u>	☐ Accessibility	Sub Total <u>0</u>
	Sub Total <u>1921</u>	Total <u>1921</u>

Approved By _____ Our Representative [Signature]

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