

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 30742

Name: Palomino Petroleum, Inc.

Address 1: 4924 SE 84th St.

Address 2: \_\_\_\_\_

City: Newton State: KS Zip: 67114 + 8 8 2 7

Contact Person: Klee R. Watchous

Phone: (316) 799-1000

CONTRACTOR: License # 5123

Name: Pickrell Drilling Company, Inc.

Wellsite Geologist: Nicholas P. Gerstner

Purchaser: None

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       SWD       SLOW
- Gas       ENHR       SIGW
- CM (Coal Bed Methane)       Temp. Abd.
- Dry       Other \_\_\_\_\_  
(Core, WSW, Expl., Cathodic, 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: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_

Commingled      Docket No.: \_\_\_\_\_

Dual Completion      Docket No.: \_\_\_\_\_

Other (SWD or Enhr.?)      Docket No.: \_\_\_\_\_

11/16/10      11/26/10      11/26/10

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - 15-135-25184-00-00

Spot Description: \_\_\_\_\_

SE SW NE NE Sec. 14 Twp. 17 S. R. 26  East  West

1032 Feet from  North /  South Line of Section

978 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

County: Ness

Lease Name: Randall Norton Well #: 1

Field Name: Kansada

Producing Formation: None

Elevation: Ground: 2543 Kelly Bushing: 2548

Total Depth: 4602 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 221 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 No.: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Klee R. Watchous

Title: President Date: February 14, 2011

Subscribed and sworn to before me this 14th day of February

20 11

Notary Public: Carla R. Penwell

Carla R. Penwell NOTARY PUBLIC - State of Kansas

Date Commission Expires: October 6, 2016

My Appt. Expires 10-6-13

KCC Office Use ONLY

RECEIVED

Letter of Confidentiality Received

If Denied, Yes  Date: FEB 16 2011

Wireline Log Received

Geologist Report Received

UIC Distribution

A1+2-Dlg - 3/1/11

KCC WICHITA

Operator Name: Palomino Petroleum, Inc. Lease Name: Randall Norton Well #: 1  
 Sec. 14 Twp. 17 S. R. 26  East  West County: Ness

**INSTRUCTIONS:** Show important tops and base 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. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run: <b>Radiation Guard</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhy.</td> <td>1885</td> <td>(+ 663)</td> </tr> <tr> <td>Base Anhy.</td> <td>1918</td> <td>(+ 630)</td> </tr> <tr> <td>Topeka</td> <td>3552</td> <td>(-1004)</td> </tr> <tr> <td>Heebner</td> <td>3819</td> <td>(-1271)</td> </tr> <tr> <td>Lansing</td> <td>3862</td> <td>(-1314)</td> </tr> <tr> <td>BKC</td> <td>4174</td> <td>(-1626)</td> </tr> <tr> <td>Marmaton</td> <td>4214</td> <td>(-1666)</td> </tr> </table>	Name	Top	Datum	Anhy.	1885	(+ 663)	Base Anhy.	1918	(+ 630)	Topeka	3552	(-1004)	Heebner	3819	(-1271)	Lansing	3862	(-1314)	BKC	4174	(-1626)	Marmaton	4214	(-1666)
Name	Top	Datum																							
Anhy.	1885	(+ 663)																							
Base Anhy.	1918	(+ 630)																							
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Heebner	3819	(-1271)																							
Lansing	3862	(-1314)																							
BKC	4174	(-1626)																							
Marmaton	4214	(-1666)																							

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	20#	221'	Class A	160	2% gel, 3% c.c.

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

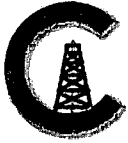
DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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RECEIVED  
FEB 16 2011  
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**LOGS**

Pawnee	4304	(-1756)
Ft. Scott	4374	(-1826)
Cherokee	4400	(-1852)
Miss.	4470	(-1922)
Miss. Dolo.	4476	(-1928)
LTD	4602	(-2054)

RECEIVED  
FEB 13 2011  
KCC WICHITA



**CONSOLIDATED**  
Oil Well Services, LLC

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

MAIN OFFICE  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
FAX 620/431-0012

INVOICE

Invoice # 238266

Invoice Date: 11/29/2010 Terms: 0/30,n/30

Page 1

PALOMINO PETROLEUM, INC.  
4924 SE 84TH STREET  
NEWTON KS 67114-8827  
( ) -

**RECEIVED** RANDALL NORTON#1  
28681  
DEC 01 2010 14-17-26  
11-27-10

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	280.00	13.0000	3640.00
1118B	PREMIUM GEL / BENTONITE	964.00	.2000	192.80
1107	FLO-SEAL (25#)	70.00	2.5000	175.00

Sublet Performed	Description	Total
9999-100	CASH DISCOUNT	-1176.92

Description	Hours	Unit Price	Total
439 TON MILEAGE DELIVERY	1.00	541.80	541.80
463 P & A NEW WELL	1.00	1200.00	1200.00
463 EQUIPMENT MILEAGE (ONE WAY)	30.00	4.50	135.00

**RECEIVED**  
**FEB 16 2011**  
**KCC WICHITA**

Parts:	4007.80	Freight:	.00	Tax:	252.50	AR	4960.18
Labor:	.00	Misc:	.00	Total:	4960.18		
Sublt:	-1176.92	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_

Date \_\_\_\_\_

BARTLESVILLE, OK  
918/338-0808

ELDORADO, KS  
316/322-7022

EUREKA, KS  
620/583-7664

GILLETTE, WY  
307/686-4914

OAKLEY, KS  
785/672-2227

OTTAWA, KS  
785/242-4044

THAYER, KS  
620/839-5269

WORLAND, WY  
307/347-4577



**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 28681  
LOCATION Oakley Ks  
FOREMAN Walt Dinkel

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

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-27-10	6285	Randall Norton #1	14	17 <sup>s</sup>	26 <sup>W</sup>	ness
CUSTOMER <u>Palomina Petroleum, Inc</u>			TRUCK #			
MAILING ADDRESS <u>4924 SE 84<sup>th</sup> St</u>			DRIVER			
CITY <u>Newton</u>			TRUCK #			
STATE <u>Kan</u>			DRIVER			
ZIP CODE <u>67114</u>			TRUCK #			

JOB TYPE PTA-0 HOLE SIZE 7 7/8 HOLE DEPTH 4600' CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE 4 1/2 X 14 TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting, Plug as ordered

50-sks @ 1890'  
80-sks @ 1070'  
50-sks @ 570' 280 sks 6 3/4 poz, 4 #6el, 1/4 #Flo Seal  
50 sks @ 240'  
20 sks @ 60'  
30 sks in R.H.

*Thank You  
Walt Dinkel*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1,200.00	1,200.00
5406	30	MILEAGE	4.50	135.00
1131	280 sks	6 3/4 poz	13.00	3640.00
1118B	964 #	Bentonite Col	1.20	192.80
1107	70 #	Flo Seal	2.50	175.00
5407A	12.04	Ten milege Delivery	1.50	541.80
				5,884.60
				- 1,176.92
				4,707.68
				252.50
				4,960.18

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FEB 16 2011

KCC WICHITA

238266

Less 20% Disc

SALES TAX ESTIMATED TOTAL 4960.18

Ravin 3737

AUTHORIZATION

*Mike Kern*

TITLE

TP 05

DATE

11-27-10

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 for



**CONSOLIDATED**  
Oil Well Services, LLC

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

MAIN OFFICE  
P.O. Box 884  
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620/431-9210 • 1-800/467-8676  
FAX 620/431-0012

INVOICE

Invoice # 238080

Invoice Date: 11/17/2010 Terms: 0/30,n/30

Page 1

PALOMINO PETROLEUM, INC.  
4924 SE 84TH STREET  
NEWTON KS 67114-8827  
( ) -

RECEIVED

NOV 19 2010

RANDALL NORTON #1  
28672  
14-17-26  
11-17-10

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	160.00	16.0000	2560.00
1102	CALCIUM CHLORIDE (50#)	450.00	.8800	396.00
1118B	PREMIUM GEL / BENTONITE	300.00	.2000	60.00

Sublet Performed	Description	Total
9999-100	CASH DISCOUNT	-905.20

Description	Hours	Unit Price	Total
439 MIN. BULK DELIVERY	1.00	390.00	390.00
463 CEMENT PUMP (SURFACE)	1.00	985.00	985.00
463 EQUIPMENT MILEAGE (ONE WAY)	30.00	4.50	135.00

RECEIVED

FEB 16 2011

KCC WICHITA

Parts:	3016.00	Freight:	.00	Tax:	190.01	AR	3810.81
Labor:	.00	Misc:	.00	Total:	3810.81		
Sublt:	-905.20	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_

Date \_\_\_\_\_

BARTLESVILLE, OK  
918/338-0808

ELDORADO, KS  
316/322-7022

EUREKA, KS  
620/583-7664

GILLETTE, WY  
307/686-4914

OAKLEY, KS  
785/672-2227

OTTAWA, KS  
785/242-4044

THAYER, KS  
620/839-5269

WORLAND, WY  
307/347-4577





## DRILL STEM TEST REPORT

Prepared For: **PALOMINO PETROLEUM**

4924 SE 84TH ST  
NEWTON KS 67114

ATTN: NICK GERSTNER

**14-17S-26W-NESS**

**RANDALL NORTON #1**

Start Date: 2010.11.24 @ 21:00:00

End Date: 2010.11.25 @ 03:56:30

Job Ticket #: 1052                      DST #: 1

Eagle Testers LLC.  
P.O.Box 1011, Great Bend, KS 67530  
620-617-7548

RECEIVED  
FEB 16 2011  
KCC WICHITA

Printed: 2010.11.28 @ 15:00:43

PALOMINO PETROLEUM

RANDALL NORTON #1

14-17S-26W-NESS

DST # 1

FORT SCOTT

2010.11.24





# DRILL STEM TEST REPORT

PALOMINO PETROLEUM

RANDALL NORTON #1

4924 SE 84TH ST  
NEWTON KS 67114

14-17S-26W-NESS

Job Ticket: 1052

DST#: 1

ATTN: NICK GERSTNER

Test Start: 2010.11.24 @ 21:00:00

## GENERAL INFORMATION:

Formation: **FORT SCOTT**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:17:00

Time Test Ended: 03:56:30

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 15 119 RT LACROSSE K

Interval: 4351.00 ft (KB) To 4400.00 ft (KB) (TVD)

Total Depth: 4400.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2548.00 ft (KB)

2543.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6651

Inside

Press@RunDepth: 153.16 psig @ 4396.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2010.11.24

End Date:

2010.11.25

Last Calib.: 2010.11.24

Start Time: 21:01:00

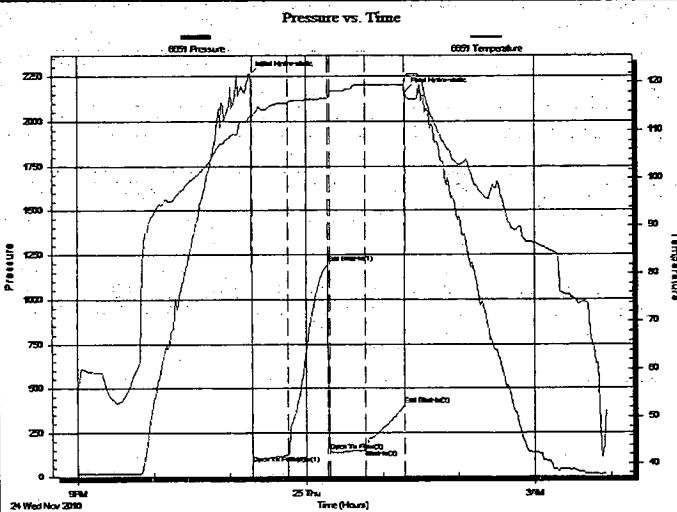
End Time:

03:56:30

Time On Btm: 2010.11.24 @ 23:15:30

Time Off Btm: 2010.11.25 @ 01:18:00

TEST COMMENT: 30-INITIAL OPENING WEAK BLOW BUILT TO 8 INCHES INTO WATER  
30-INITIAL SHUT IN NO BLOW BACK  
30-FINAL OPENING WEAK BUILDING BLOW BUILT TO BOTTOM BUCKET IN 28 MINS  
30-FINAL SHUT IN NO BLOW BACK



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2257.40	112.84	Initial Hydro-static
2	73.12	112.48	Open To Flow (1)
30	122.74	115.98	Shut-In(1)
62	1199.90	116.67	End Shut-In(1)
63	143.13	117.97	Open To Flow (2)
91	153.16	119.44	Shut-In(2)
122	407.04	119.52	End Shut-In(2)
123	2160.70	121.51	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
100.00	OIL CUT MUD 10%OIL 90%MUD	1.46
120.00	GASSY OIL CUT MUD	1.75
0.00	45%GAS 20%OIL 35%MUD	0.00

## Gas Rates

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

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FEB 16 2011  
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# DRILL STEM TEST REPORT

PALOMINO PETROLEUM

RANDALL NORTON #1

4924 SE 84TH ST  
NEWTON KS 67114

14-17S-26W-NESS

Job Ticket: 1052

DST#: 1

ATTN: NICK GERSTNER

Test Start: 2010.11.24 @ 21:00:00

## GENERAL INFORMATION:

Formation: FORT SCOTT

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:17:00

Time Test Ended: 03:56:30

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 15 119 RT LACROSSE K

Interval: 4351.00 ft (KB) To 4400.00 ft (KB) (TVD)

Total Depth: 4400.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2548.00 ft (KB)

2543.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8525 Outside

Press@RunDepth: 407.24 psig @ 4397.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2010.11.24

End Date:

2010.11.25

Last Calib.: 2010.11.24

Start Time: 21:02:00

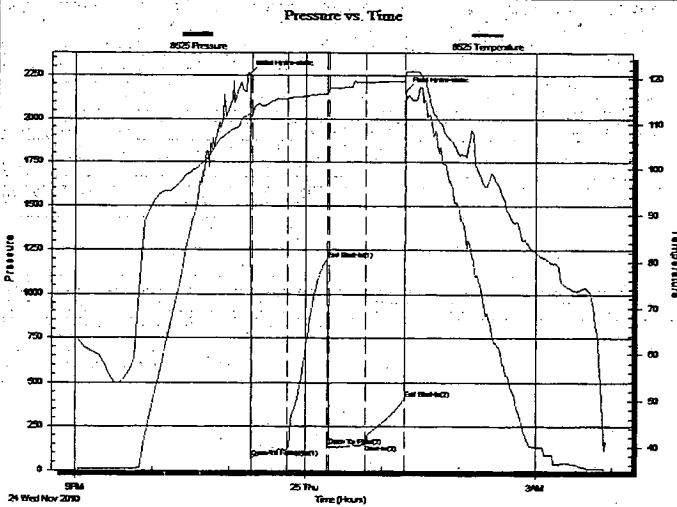
End Time:

03:55:00

Time On Btm: 2010.11.24 @ 23:15:30

Time Off Btm: 2010.11.25 @ 01:18:00

TEST COMMENT: 30-INITIAL OPENING WEAK BLOW BUILT TO 8 INCHES INTO WATER  
30-INITIAL SHUT IN NO BLOW BACK  
30-FINAL OPENING WEAK BUILDING BLOW BUILT TO BOTTOM BUCKET IN 28 MINS  
30-FINAL SHUT IN NO BLOW BACK



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2254.57	112.15	Initial Hydro-static
2	72.06	112.20	Open To Flow (1)
30	119.72	115.52	Shut-In(1)
61	1196.52	116.68	End Shut-In(1)
63	137.19	117.70	Open To Flow (2)
91	150.05	119.17	Shut-In(2)
122	407.24	119.43	End Shut-In(2)
123	2157.66	121.43	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
100.00	OIL CUT MUD 10%OIL 90%MUD	1.46
120.00	GASSY OIL CUT MUD	1.75
0.00	45%GAS 20%OIL 35%MUD	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

TOOL DIAGRAM

PALOMINO PETROLEUM

RANDALL NORTON #1

4924 SE 84TH ST  
NEWTON KS 67114

14-17S-26W-NESS

Job Ticket: 1052

DST#: 1

ATTN: NICK GERSTNER

Test Start: 2010.11.24 @ 21:00:00

## Tool Information

Drill Pipe:	Length: 4328.00 ft	Diameter: 3.88 inches	Volume: 63.29 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<b>Total Volume: 63.29 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	0.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4351.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	72.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHUT IN TOOL	5.00			4333.00	
HYD S.I. Tool	5.00			4338.00	
jars	6.00			4344.00	
safty joint	2.00			4346.00	
TRAVEL COLER	2.00			4348.00	
Packer	3.00			4351.00	23.00 Bottom Of Top Packer
travel collar	2.00			4353.00	49.00 Tool Interval
Packer	3.00			4356.00	
change over sub	0.75			4356.75	
drill pipe	31.50			4388.25	
change over sub	0.75			4389.00	
Perforations	6.00			4395.00	
Recorder	1.00	6651	Inside	4396.00	
Recorder	1.00	8525	Outside	4397.00	
bull plug	3.00			4400.00	1000071.00 Bottom Packers & Anchor

**Total Tool Length: 72.00**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

PALOMINO PETROLEUM

RANDALL NORTON #1

4924 SE 84TH ST  
NEWTON KS 67114

14-17S-26W-NESS

Job Ticket: 1052

DST#: 1

ATTN: NICK GERSTNER

Test Start: 2010.11.24 @ 21:00:00

### 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: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 13.58 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3700.00 ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	OIL CUT MUD 10%OIL 90%MUD	1.462
120.00	GASSY OIL CUT MUD	1.755
0.00	45%GAS 20%OIL 35%MUD	0.000

Total Length: 220.00 ft      Total Volume: 3.217 bbl

Num Fluid Samples: 0

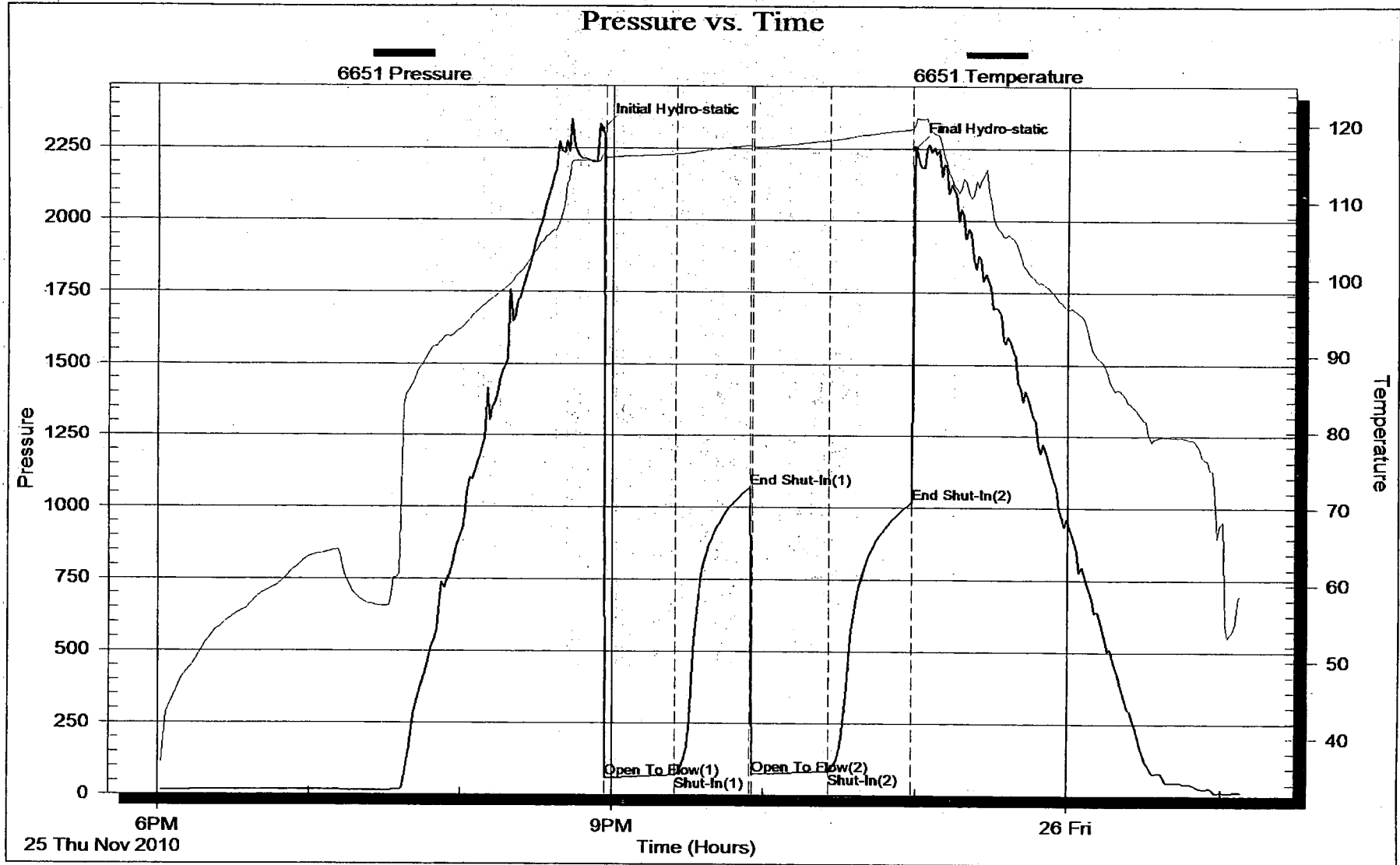
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

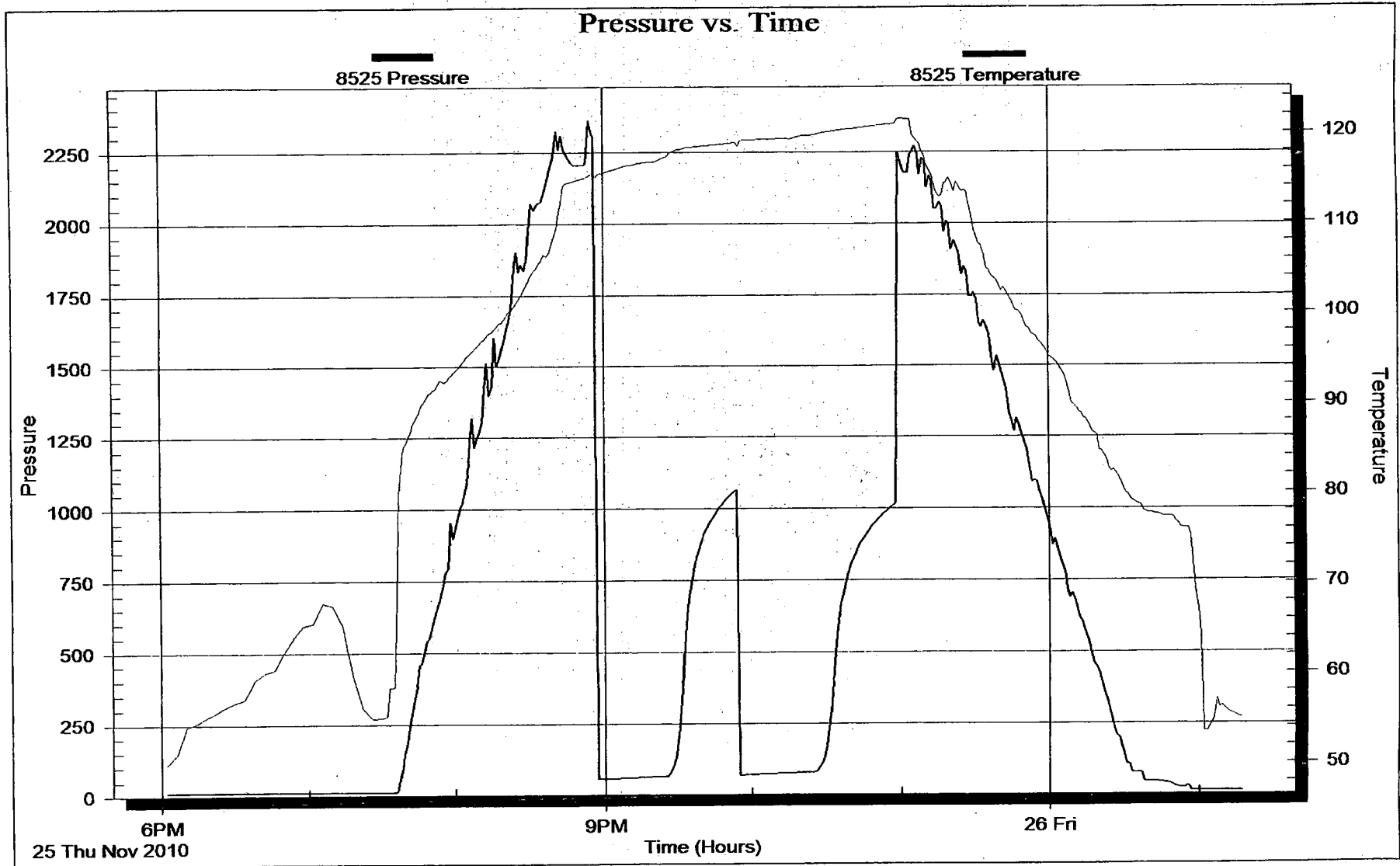


Serial #: 8525

Outside PALOMINO PETROLEUM

14-17S-26W-NESS

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **PALOMINO PETROLEUM**

4924 SE 84TH ST  
NEWTON KS 67114

ATTN: NICK GERSTNER

**14-17S-26W-NESS**

**RANDALL NORTON #1**

Start Date: 2010.11.25 @ 18:00:00

End Date: 2010.11.26 @ 01:07:30

Job Ticket #: 1053                      DST #: 2

Eagle Testers LLC.

P.O.Box 1011, Great Bend, KS 67530

620-617-7548

Printed: 2010.11.28 @ 15:00:54

PALOMINO PETROLEUM

RANDALL NORTON #1

14-17S-26W-NESS

DST # 2

MISSISSIPPIAN

2010.11.25



# DRILL STEM TEST REPORT

PALOMINO PETROLEUM

RANDALL NORTON #1

4924 SE 84TH ST  
NEWTON KS 67114

14-17S-26W-NESS

Job Ticket: 1053

DST#: 2

ATTN: NICK GERSTNER

Test Start: 2010.11.25 @ 18:00:00

## GENERAL INFORMATION:

Formation: **MISSISSIPPIAN**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:57:00

Time Test Ended: 01:07:30

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 15 119 MRT LACROSSE

Interval: **4442.00 ft (KB) To 4487.00 ft (KB) (TVD)**

Total Depth: 4487.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2548.00 ft (KB)

2543.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **6651**

Inside:

Press@RunDepth: 81.77 psig @ 4483.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2010.11.25

End Date:

2010.11.26

Last Calib.: 2010.11.25

Start Time: 18:01:00

End Time:

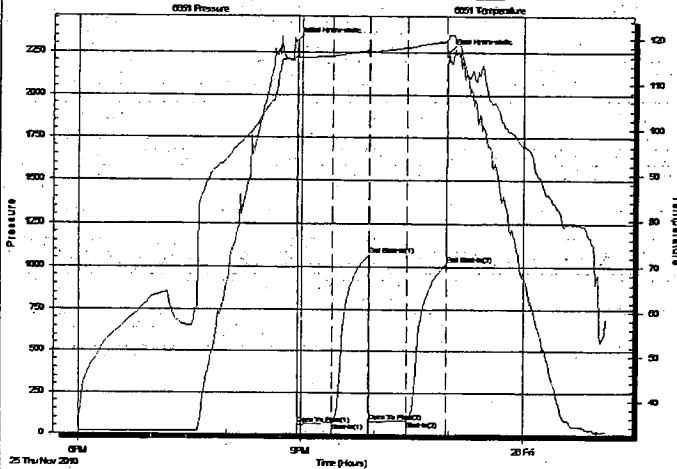
01:07:30

Time On Btm: 2010.11.25 @ 20:55:30

Time Off Btm: 2010.11.25 @ 22:59:00

TEST COMMENT: 30-INITIAL OPENING WEAK BLOW BUILT TO 1 INCH INTO WATER  
30-INITIAL SHUT IN NO BLOW BACK  
30-FINAL OPENING WEAK BLOW BUILT TO 4 INCHES INTO WATER

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2314.66	116.06	Initial Hydro-static
2	59.67	115.81	Open To Flow (1)
30	68.34	116.22	Shut-in(1)
59	1070.67	117.42	End Shut-in(1)
60	72.46	117.19	Open To Flow (2)
90	81.77	118.08	Shut-in(2)
123	1017.94	119.56	End Shut-in(2)
124	2250.21	120.37	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
80.00	OIL CUT MUD 25%OIL 75%MUD	1.17

## Gas Rates

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







# DRILL STEM TEST REPORT

TOOL DIAGRAM

PALOMINO PETROLEUM

RANDALL NORTON #1

4924 SE 84TH ST  
NEWTON KS 67114

14-17S-26W-NESS

Job Ticket: 1053

DST#: 2

ATTN: NICK GERSTNER

Test Start: 2010.11.25 @ 18:00:00

## Tool Information

Drill Pipe:	Length: 4421.00 ft	Diameter: 3.88 inches	Volume: 64.65 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			Total Volume: 64.65 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	0.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4442.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	66.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHUT IN TOOL	5.00			4426.00	
HYD S.I. Tool	5.00			4431.00	
jars	6.00			4437.00	
safty joint	2.00			4439.00	
TRAVEL COLER	2.00			4441.00	
Packer	1.00			4442.00	21.00 Bottom Of Top Packer
travel collar	1.00			4443.00	45.00 Tool Interval
Packer	1.00			4444.00	
change over sub	0.75			4444.75	
drill pipe	31.50			4476.25	
change over sub	0.75			4477.00	
Perforations	5.00			4482.00	
Recorder	1.00	6651	Inside	4483.00	
Recorder	1.00	8525	Outside	4484.00	
bull plug	3.00			4487.00	1000065.00 Bottom Packers & Anchor

**Total Tool Length: 66.00**



# DRILL STEM TEST REPORT

FLUID SUMMARY

PALOMINO PETROLEUM

RANDALL NORTON #1

4924 SE 84TH ST  
NEWTON KS 67114

14-17S-26W-NESS

Job Ticket: 1053

DST#: 2

ATTN: NICK GERSTNER

Test Start: 2010.11.25 @ 18:00:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
80.00	OIL CUT MUD 25%OIL 75%MUD	1.170

Total Length: 80.00 ft

Total Volume: 1.170 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

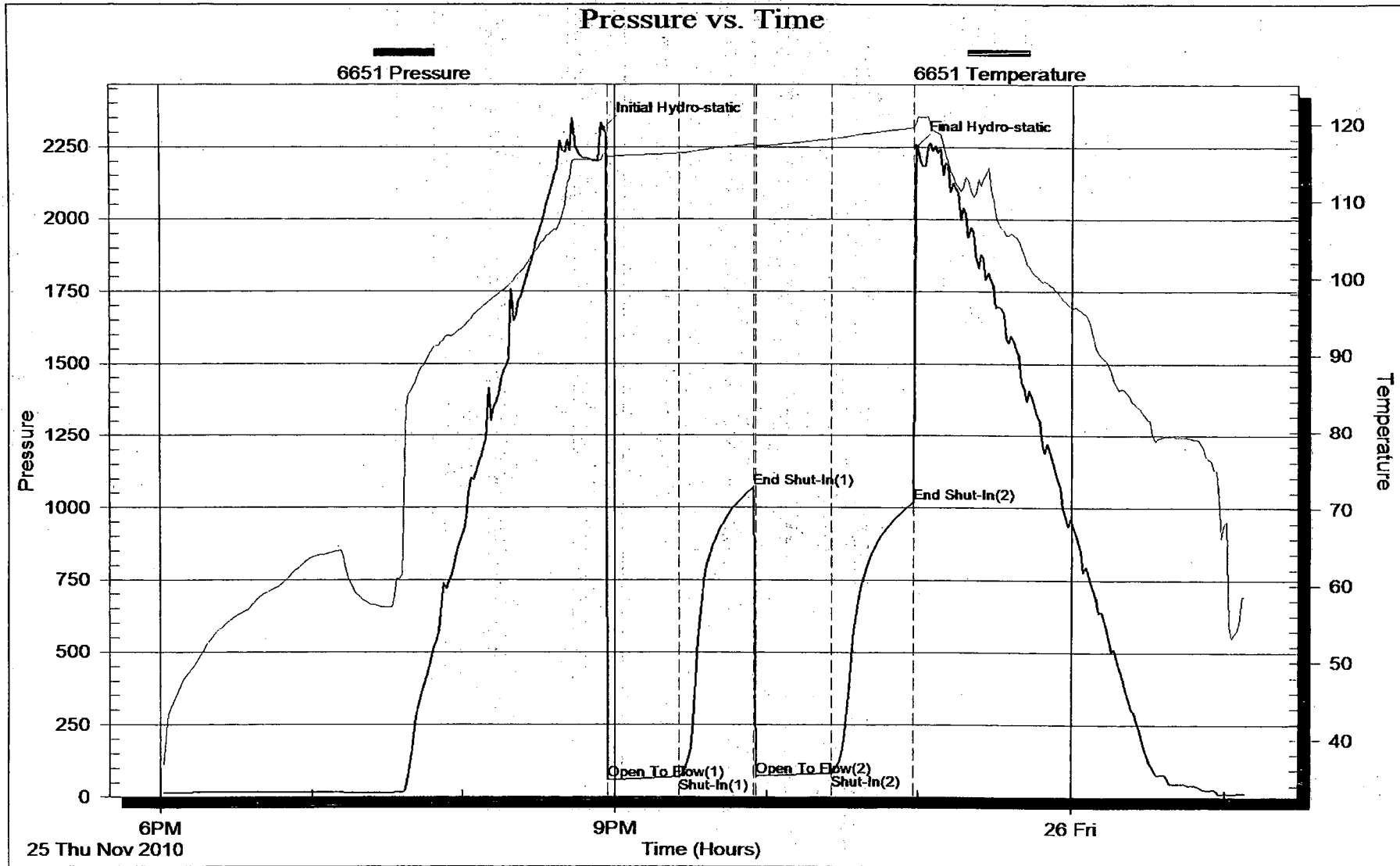
Recovery Comments:

Serial #: 6651

Inside PALOMINO PETROLEUM

14-17S-26W-NESS

DST Test Number: 2

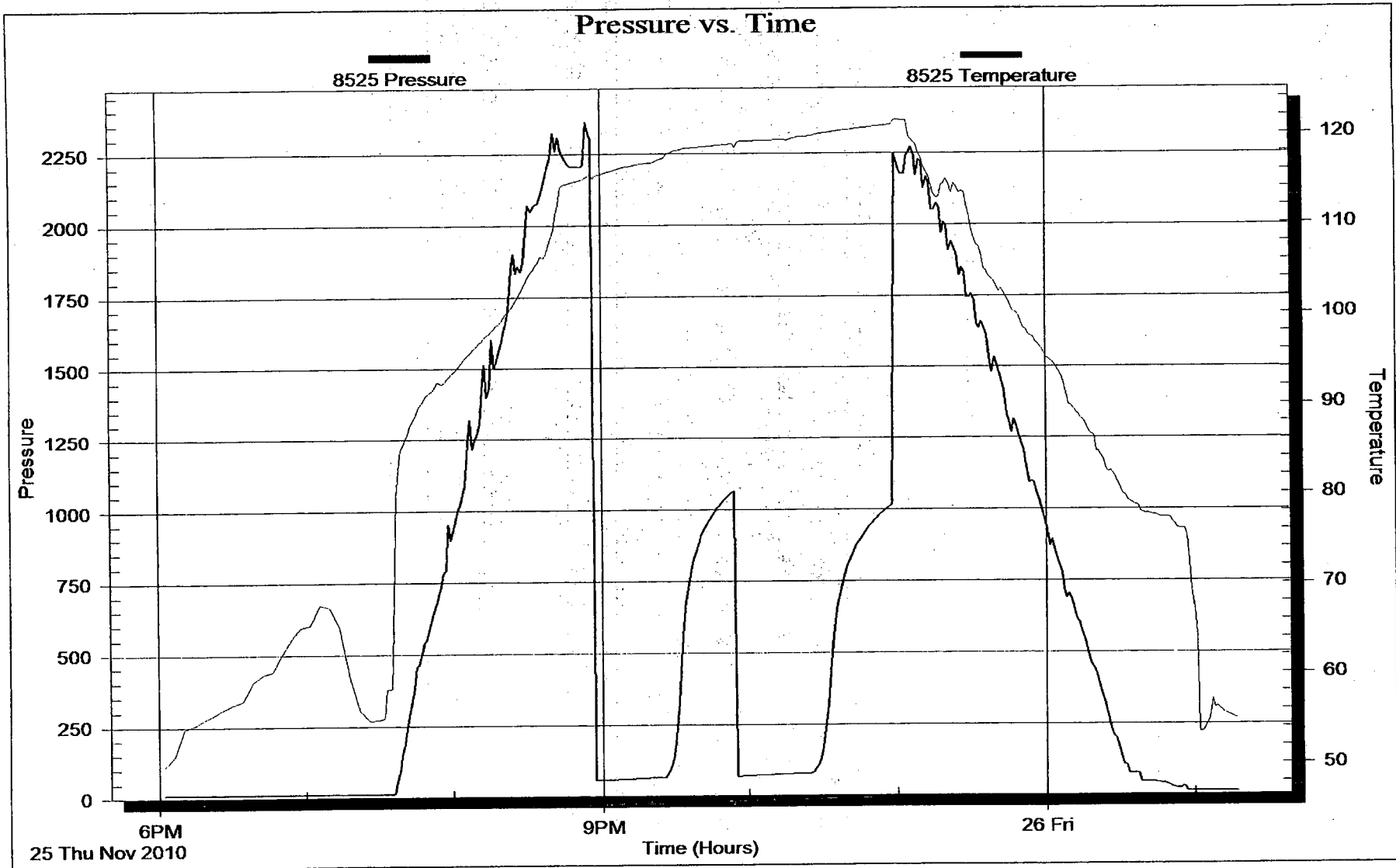


Serial #: 8525

Outside PALOMINO PETROLEUM

14-17S-26W-NESS

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **PALOMINO PETROLEUM**

4924 SE 84TH ST  
NEWTON KS 67114

ATTN: NICK GERSTNER

**14-17S-26W-NESS**

**RANDALL NORTON #1**

Start Date: 2010.11.26 @ 09:00:00

End Date: 2010.11.26 @ 16:07:30

Job Ticket #: 1054                      DST #: 3

Eagle Testers LLC.

P.O.Box 1011, Great Bend, KS 67530

620-617-7548

Printed: 2010.11.28 @ 15:01:07

PALOMINO PETROLEUM

RANDALL NORTON #1

14-17S-26W-NESS

DST # 3

MISSISSIPPIAN

2010.11.26



# DRILL STEM TEST REPORT

PALOMINO PETROLEUM

RANDALL NORTON #1

4924 SE 84TH ST  
NEWTON KS 67114

14-17S-26W-NESS

Job Ticket: 1054

DST#: 3

ATTN: NICK GERSTNER

Test Start: 2010.11.26 @ 09:00:00

## GENERAL INFORMATION:

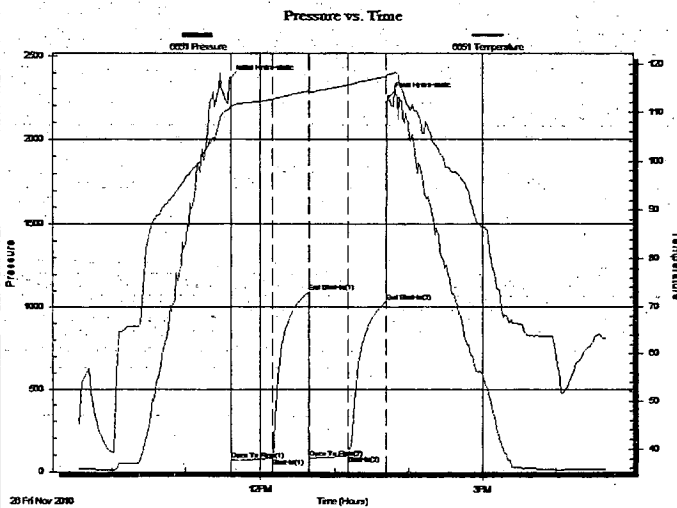
Formation: **MISSISSIPPIAN**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:37:00  
 Time Test Ended: 16:07:30  
 Interval: **4442.00 ft (KB) To 4502.00 ft (KB) (TVD)**  
 Total Depth: 4502.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: DAVID NICHOLS  
 Unit No: 15 119 MRT LACROSSE  
 Reference Elevations: 2548.00 ft (KB)  
 2543.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 6651

Inside

Press@RunDepth: 99.53 psig @ 4498.00 ft (KB) Capacity: 5000.00 psig  
 Start Date: 2010.11.26 End Date: 2010.11.26 Last Calib.: 2010.11.26  
 Start Time: 09:34:00 End Time: 16:40:30 Time On Btm: 2010.11.26 @ 11:36:00  
 Time Off Btm: 2010.11.26 @ 13:44:00

TEST COMMENT: 30-INITIAL OPENING WEAK BLOW BUILT TO 3 INCHES INTO WATER  
 30-INITIAL SHUT IN NO BLOW BACK  
 30-FINAL OPENING WEAK BLOW BUILT TO 3 INCHES INTO WATER  
 30-FINAL SHUT IN NO BLOW BACK



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2365.07	111.14	Initial Hydro-static
1	69.38	111.02	Open To Flow (1)
34	81.51	112.68	Shut-In(1)
63	1089.77	114.46	End Shut-In(1)
64	81.74	114.22	Open To Flow (2)
95	99.53	115.64	Shut-In(2)
126	1031.84	117.45	End Shut-In(2)
128	2257.50	118.01	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	CLEAN OIL 100%OIL	0.01
65.00	OIL CUT MUD 15%OIL 85%MUD	0.95

## Gas Rates

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



# DRILL STEM TEST REPORT

PALOMINO PETROLEUM

RANDALL NORTON #1

4924 SE 84TH ST  
NEWTON KS 67114

14-17S-26W-NESS

Job Ticket: 1054

DST#: 3

ATTN: NICK GERSTNER

Test Start: 2010.11.26 @ 09:00:00

## GENERAL INFORMATION:

Formation: **MISSISSIPPIAN**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:37:00

Time Test Ended: 16:07:30

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 15 119 MRT LACROSSE

Interval: **4442.00 ft (KB) To 4502.00 ft (KB) (TVD)**

Reference Elevations: 2548.00 ft (KB)

Total Depth: 4502.00 ft (KB) (TVD)

2543.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8525

Outside

Press@RunDepth: 1030.84 psig @ 4499.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2010.11.26

End Date:

2010.11.26

Last Calib.: 2010.11.26

Start Time: 09:02:00

End Time:

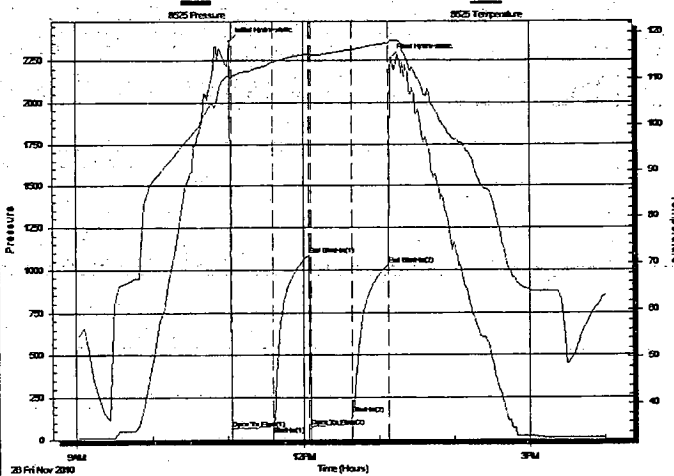
16:01:30

Time On Btm: 2010.11.26 @ 11:02:00

Time Off Btm: 2010.11.26 @ 13:10:00

TEST COMMENT: 30-INITIAL OPENING WEAK BLOW BUILT TO 3 INCHES INTO WATER  
30-INITIAL SHUT IN NO BLOW BACK  
30-FINAL OPENING WEAK BLOW BUILT TO 3 INCHES INTO WATER  
30-FINAL SHUT IN NO BLOW BACK

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2363.59	110.62	Initial Hydro-static
1	64.36	109.90	Open To Flow (1)
34	77.95	113.66	Shut-In(1)
64	1088.78	115.37	End Shut-In(1)
64	77.21	115.08	Open To Flow (2)
97	153.73	116.33	Shut-In(2)
126	1030.84	117.70	End Shut-In(2)
128	2261.03	118.32	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	CLEAN OIL 100%OIL	0.01
65.00	OIL CUT MUD 15%OIL 85%MUD	0.95

## Gas Rates

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





# DRILL STEM TEST REPORT

TOOL DIAGRAM

PALOMINO PETROLEUM

RANDALL NORTON #1

4924 SE 84TH ST  
NEWTON KS 67114

14-17S-26W-NESS

Job Ticket: 1054

DST#: 3

ATTN: NICK GERSTNER

Test Start: 2010.11.26 @ 09:00:00

## Tool Information

Drill Pipe:	Length: 4420.00 ft	Diameter: 3.88 inches	Volume: 64.64 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 64.64 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	1.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4442.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	83.00 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			4424.00	
HYD S.I. Tool	5.00			4429.00	
jars	6.00			4435.00	
safty joint	2.00			4437.00	
TRAVEL COLER	2.00			4439.00	
Packer	3.00			4442.00	23.00 Bottom Of Top Packer
travel collar	1.00			4443.00	60.00 Tool Interval
Packer	1.00			4444.00	
change over sub	0.75			4444.75	
drill pipe	31.50			4476.25	
change over sub	0.75			4477.00	
Perforations	20.00			4497.00	
Recorder	1.00	6651	Inside	4498.00	
Recorder	1.00	8525	Outside	4499.00	
bull plug	3.00			4502.00	1000082.00 Bottom Packers & Anchor

**Total Tool Length: 83.00**



# DRILL STEM TEST REPORT

FLUID SUMMARY

PALOMINO PETROLEUM

RANDALL NORTON #1

4924 SE 84TH ST  
NEWTON KS 67114

14-17S-26W-NESS

Job Ticket: 1054

DST#: 3

ATTN: NICK GERSTNER

Test Start: 2010.11.26 @ 09:00:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 10.00 lb/gal  
Viscosity: 50.00 sec/qt  
Water Loss: 10.79 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 3200.00 ppm  
Filter Cake: 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
1.00	CLEAN OIL 100%OIL	0.015
65.00	OIL CUT MUD 15%OIL 85%MUD	0.951

Total Length: 66.00 ft      Total Volume: 0.966 bbl

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

Laboratory Name:      Laboratory Location:

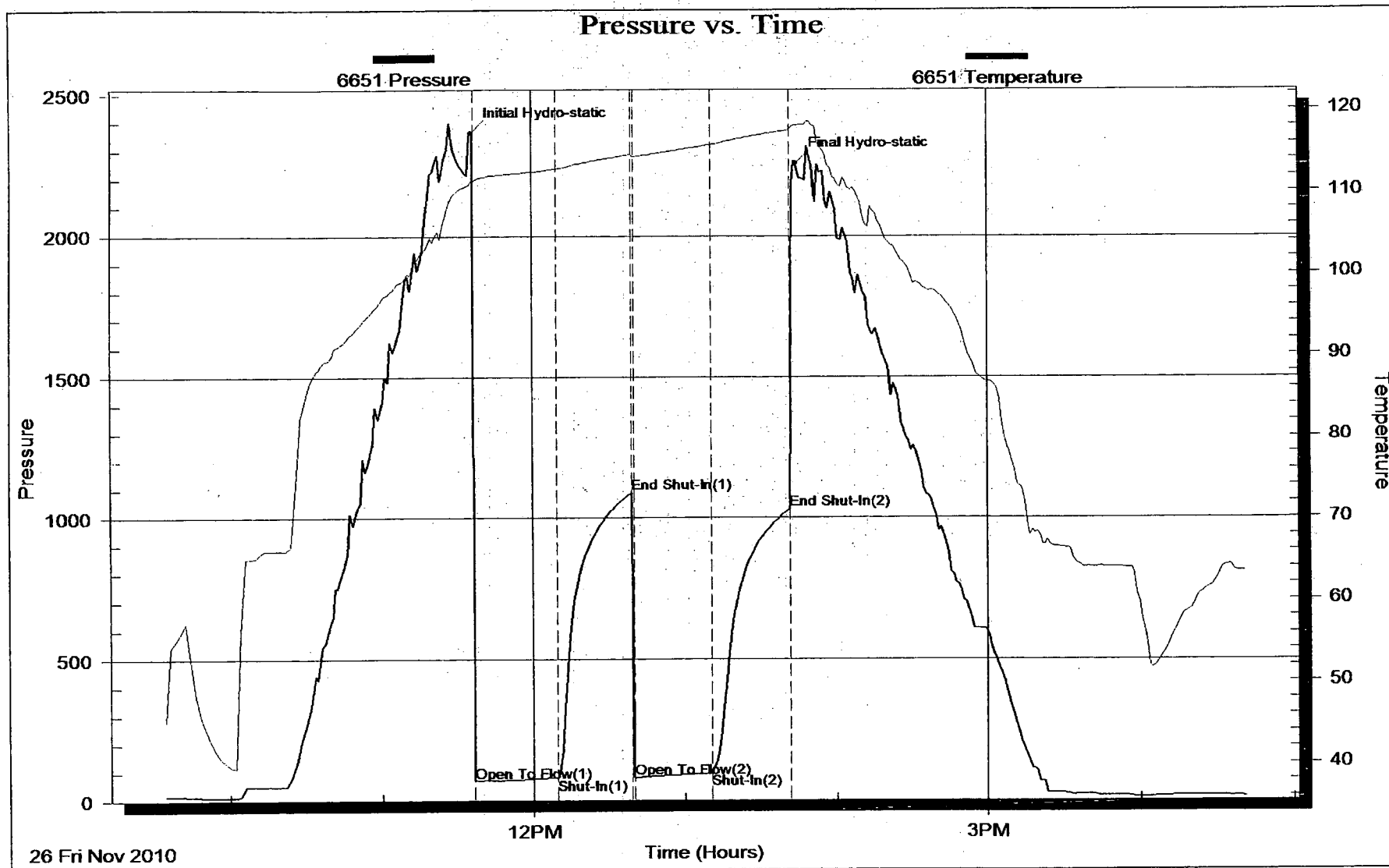
Recovery Comments:

Serial #: 6651

Inside PALOMINO PETROLEUM

14-17S-26W-NESS

DST Test Number: 3



26 Fri Nov 2010

Serial #: 8525

Outside PALOMINO PETROLEUM

14-17S-26W-NESS

DST Test Number: 3

