



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1194749
OIL & GAS CONSERVATION DIVISION

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
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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: _____

1194749

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

CASING RECORD <input 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

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				

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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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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 <i>(Explain)</i> _____
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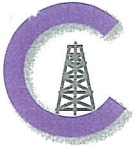
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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 <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Cochise-Sioux 1
Doc ID	1194749

Tops

Name	Top	Datum
Heebner	1529	(- 182)
Douglas	1585	(- 238)
Brown Lime	1745	(- 398)
Lansing	1792	(- 445)
Stark	2096	(- 749)
Miss.	2322	(- 975)
Kinderhook	2356	(-1009)
Hunton	2498	(-1151)
Viola	2526	(-1179)
Simpson Sd.	2608	(-1261)
Arbuckle	2676	(-1329)
LTD	2824	(-1477)



CONSOLIDATED
Oil Well Services, LLC

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

RECEIVED

DEC 11 2013

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

INVOICE

Invoice # 264590

Invoice Date: 12/09/2013 Terms: 0/0/30,n/30

Page 1

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

COCTISE-SIOUX #1
43760
31-21-4E
12-03-2013
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	125.00	15.7000	1962.50
1102	CALCIUM CHLORIDE (50#)	400.00	.7800	312.00
1118B	PREMIUM GEL / BENTONITE	250.00	.2200	55.00
1107	FLO-SEAL (25#)	50.00	2.4700	123.50

Description	Hours	Unit Price	Total
502 MIN. BULK DELIVERY	1.00	368.00	368.00
603 CEMENT PUMP (SURFACE)	1.00	870.00	870.00
603 EQUIPMENT MILEAGE (ONE WAY)	30.00	4.20	126.00

Parts: 2453.00 Freight: .00 Tax: 187.66 AR 4004.66
Labor: .00 Misc: .00 Total: 4004.66
Sublt: .00 Supplies: .00 Change: .00

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

264590

TICKET NUMBER 43760

LOCATION 180

FOREMAN Larry Storm

Box 884, Chanute, KS 66720
20-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

CEMENT API-15-115-21467-00-00

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-3-13	6285	Cochise - Spoux #1	31	21	4E	McPherson

CUSTOMER	MAILING ADDRESS	CITY	STATE	ZIP CODE
Palomino Petro LLC	4934 SE 8th St	Newton	Ks	67114

TRUCK #	DRIVER	TRUCK #	DRIVER
603	Jeremy A		
502	Dustin		
725	Larry		

JOB TYPE <u>Surface B</u>	HOLE SIZE <u>12 1/4</u>	HOLE DEPTH <u>225</u>	CASING SIZE & WEIGHT <u>8 5/8</u>
CASING DEPTH <u>223</u>	DRILL PIPE	TUBING	OTHER
CURRY WEIGHT <u>14.5</u>	SLURRY VOL <u>30.19</u>	WATER gal/sk <u>6.85</u>	CEMENT LEFT in CASING <u>25 ft.</u>
DISPLACEMENT <u>14.06</u>	DISPLACEMENT PSI <u>200</u>	MIX PSI <u>0</u>	RATE <u>5.0 bbls</u>

REMARKS: Run 5 bbls water - Break Open Interval - MILED 125 sks A
-3% CaCl2 + 2% BrO + 5 lb Poly - Displaced Cement with 1234 bbls
Prepacked Cement on SURFACE.

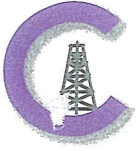
1000 Returns

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
401 S	1	PUMP CHARGE	870.00	870.00 ✓
5406	30	MILEAGE	4.00	126.00 ✓
11045	125	sks A	15.70	1962.50 ✓
1102	400	lbs CaCl2	.78	312.00 ✓
1118 B	250	lbs Gel	.22	55.00 ✓
1107	50	lbs Poly-Flakes	2.47	123.50 ✓
5407	1	Bulk Depoerly M&W	368.00	368.00 ✓
Subtotal				3817.00
			7.65	SALES TAX
				ESTIMATED
				TOTAL
				4004.66 ✓

SCANNED

AUTHORIZATION Cotton TITLE _____ DATE _____

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.



CONSOLIDATED
Oil Well Services, LLC

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

RECEIVED

DEC 14 2012

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

INVOICE

Invoice # 264672

Invoice Date: 12/11/2013 Terms: 0/0/30,n/30

Page 1

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

COCHISE-SIOUX #1
43790
31-21-4
12-10-2013
KS

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	120.00	13.1800	1581.60
1118B	PREMIUM GEL / BENTONITE	403.00	.2200	88.66

Description	Hours	Unit Price	Total
467 P & A NEW WELL	1.00	1085.00	1085.00
467 EQUIPMENT MILEAGE (ONE WAY)	29.00	4.20	121.80
667 MIN. BULK DELIVERY	1.00	368.00	368.00

Parts: 1670.26 Freight: .00 Tax: 127.77 AR 3372.83
Labor: .00 Misc: .00 Total: 3372.83
Sublt: .00 Supplies: .00 Change: .00

KS
4044

Signed _____



CONSOLIDATED
Oil Well Services, LLC

264672

TICKET NUMBER 43790

LOCATION 180

FOREMAN Jeff Shell

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

FIELD TICKET & TREATMENT REPORT

CEMENT API 15-115-21467-00-00

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12/10/13	6285	Cochise-Sioux #1	31	21	4	Marion
CUSTOMER <u>Palomino Petroleum inc</u>			TRUCK #			
MAILING ADDRESS <u>4924 SE 84th St.</u>			DRIVER <u>Ron M</u>		TRUCK #	
CITY <u>Newton</u>			DRIVER <u>Merril</u>		TRUCK #	
STATE <u>KS</u>			DRIVER <u>Jeff S</u>		TRUCK #	
ZIP CODE <u>67114</u>			DRIVER			

JOB TYPE <u>Plug B</u>	HOLE SIZE <u>7 7/8</u>	HOLE DEPTH <u>2824</u>	CASING SIZE & WEIGHT <u>85g</u>
CASING DEPTH <u>260</u>	DRILL PIPE	TUBING	OTHER
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT IN CASING
DISPLACEMENT	DISPLACEMENT PSI	MIX PSI	RATE

REMARKS: Safety Meeting broke circ. Pumped 3.5 SKS of 60/40 Pozmix 4% Gel 9ft 2676ft Pulled pipe up to 265ft broke circ pumped 3.5 SKS 60/40 Pozmix 4% gel pulled pipe Tapped off Hole from 60ft to Surface with 2.5 SKS 60/40 poz mix 4% Gel Plugged 9ft Hole with 2.5 SKS 60/40 poz mix 4% Gel Job complete

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1085.00	1085.00
5406	29	MILEAGE	4.20	121.80
1131	120 SKS	60/40 Pozmix	13.18	1581.60
1118B	403/49	Gel	.22	88.66
5407	1	Min bulk delivery	368.00	368.00
			Subtotal	3245.06
			SALES TAX	127.77
			ESTIMATED TOTAL	3372.83

SCANNED

Ravin 3737

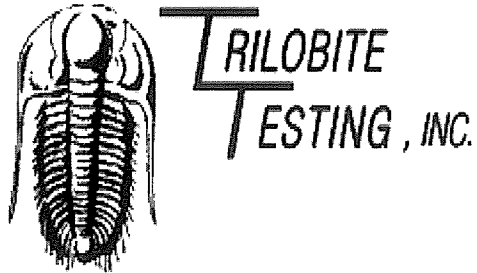
AUTHORIZATION

Collon

TITLE

DATE

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.



DRILL STEM TEST REPORT

Prepared For: **Palomino Petro., Inc.**

4924 SE 84th St
Newton KS 67114

ATTN: Jerry Smith

Cochise-Sioux #1

31-21s-4e Marion,KS

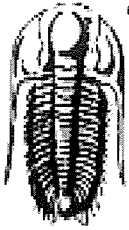
Start Date: 2013.12.06 @ 11:55:00

End Date: 2013.12.06 @ 19:24:15

Job Ticket #: 55481 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.12.11 @ 09:58:33



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petro., Inc.

31-21s-4e Marion,KS

4924 SE 84th St
New ton KS 67114

Cochise-Sioux #1

Job Ticket: 55481

DST#: 1

ATTN: Jerry Smith

Test Start: 2013.12.06 @ 11:55:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:04:30

Time Test Ended: 19:24:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: **2295.00 ft (KB) To 2340.00 ft (KB) (TVD)**

Reference Elevations: 1346.00 ft (KB)

Total Depth: 2340.00 ft (KB) (TVD)

1340.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8736

Outside

Press@RunDepth: 41.99 psig @ 2296.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.06 End Date: 2013.12.06

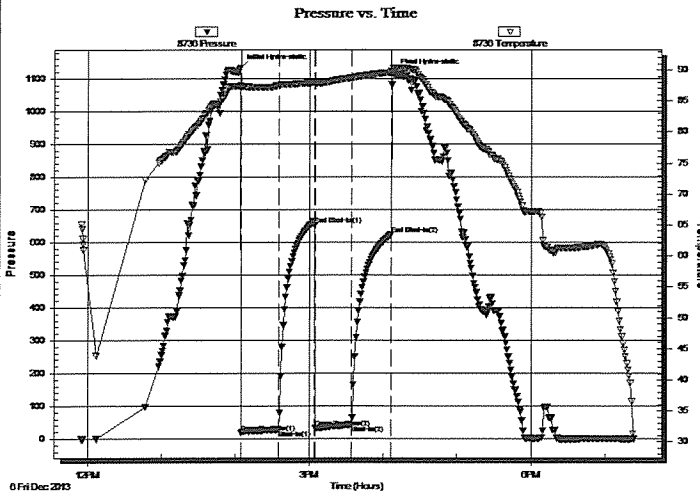
Last Calib.: 2013.12.06

Start Time: 11:55:05 End Time: 19:24:14

Time On Btm: 2013.12.06 @ 14:04:00

Time Off Btm: 2013.12.06 @ 16:08:30

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



PRESSURE SUMMARY

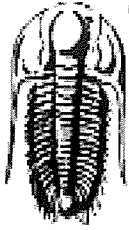
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1132.13	87.51	Initial Hydro-static
1	17.41	87.20	Open To Flow (1)
31	28.11	87.51	Shut-In(1)
61	653.70	88.01	End Shut-In(1)
62	32.40	87.84	Open To Flow (2)
91	41.99	88.72	Shut-In(2)
123	623.27	89.62	End Shut-In(2)
125	1116.63	90.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	VSOCM 5%O 95%M	0.22

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petro., Inc.

4924 SE 84th St
New ton KS 67114

ATTN: Jerry Smith

31-21s-4e Marion,KS

Cochise-Sioux #1

Job Ticket: 55481

DST#: 1

Test Start: 2013.12.06 @ 11:55:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:04:30

Time Test Ended: 19:24:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: **2295.00 ft (KB) To 2340.00 ft (KB) (TVD)**

Total Depth: 2340.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1346.00 ft (KB)

1340.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 6753

Inside

Press@RunDepth: psig @ 2296.00 ft (KB)

Start Date: 2013.12.06

End Date: 2013.12.06

Start Time: 11:55:05

End Time: 19:24:14

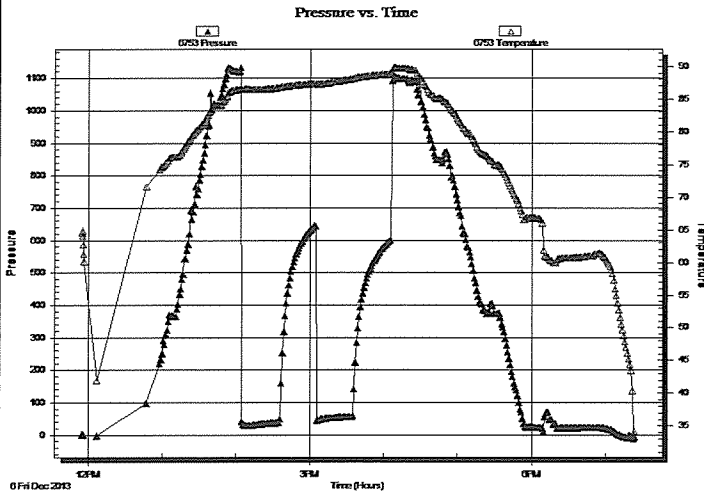
Capacity: 8000.00 psig

Last Calib.: 2013.12.06

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-2" blow
IS-No blow
FF-very weak surface blow
FS-No blow



PRESSURE SUMMARY

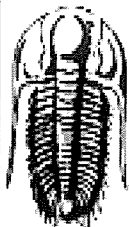
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
45.00	VSOCM 5%O 95%M	0.22

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petro., Inc.

31-21s-4e Marion,KS

4924 SE 84th St
New ton KS 67114

Cochise-Sioux #1

Job Ticket: 55481

DST#: 1

ATTN: Jerry Smith

Test Start: 2013.12.06 @ 11:55:00

Tool Information

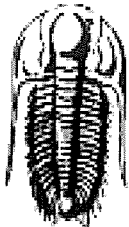
Drill Pipe:	Length: 2111.00 ft	Diameter: 3.34 inches	Volume: 22.88 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 35000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	2295.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	73.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2268.00	
Shut In Tool	5.00			2273.00	
Hydraulic tool	5.00			2278.00	
Jars	5.00			2283.00	
Safety Joint	2.00			2285.00	
Packer	5.00			2290.00	28.00 Bottom Of Top Packer
Packer	5.00			2295.00	
Stubb	1.00			2296.00	
Recorder	0.00	6753	Inside	2296.00	
Recorder	0.00	8736	Outside	2296.00	
Perforations	8.00			2304.00	
Change Over Sub	1.00			2305.00	
Drill Pipe	31.00			2336.00	
Change Over Sub	1.00			2337.00	
Bullnose	3.00			2340.00	45.00 Bottom Packers & Anchor

Total Tool Length: 73.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petro., Inc.

31-21s-4e Marion,KS

4924 SE 84th St
New ton KS 67114

Cochise-Sioux #1

Job Ticket: 55481

DST#: 1

ATTN: Jerry Smith

Test Start: 2013.12.06 @ 11:55:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil APt:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Salinity: ppm

Viscosity: 42.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 1700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	VSOCM 5%O 95%M	0.221

Total Length: 45.00 ft Total Volume: 0.221 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8736

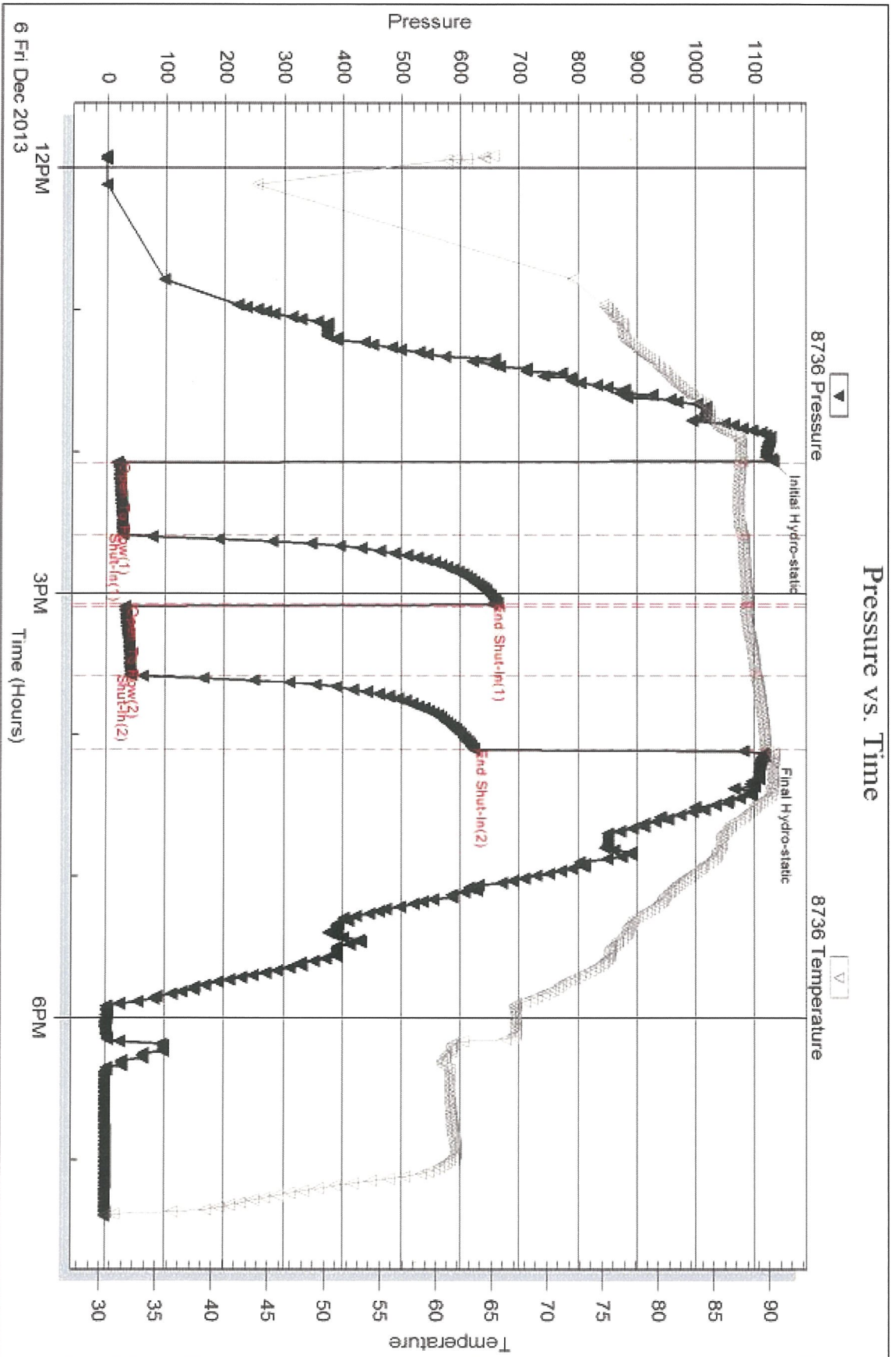
Outside

Palomino Petro., Inc.

Cochise-Stoux #1

DST Test Number: 1

Pressure vs. Time



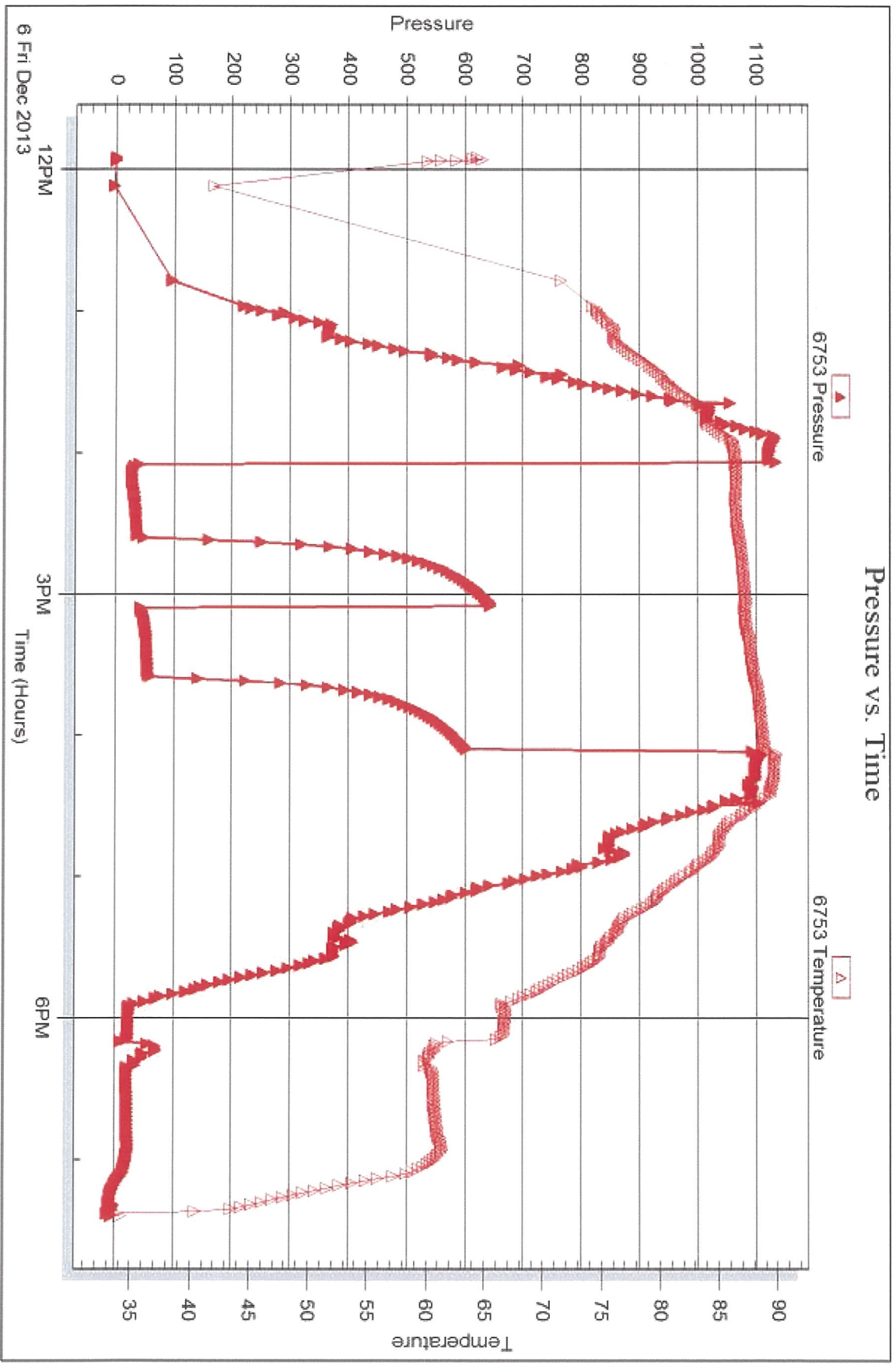
Serial #: 6753

Inside

Palominio Petro., Inc.

Cochise-Stoux #1

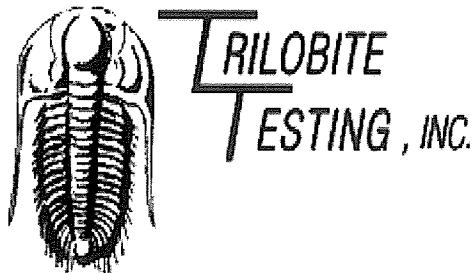
DST Test Number: 1



Tribble Testing, Inc

Ref. No: 55481

Printed: 2013.12.11 @ 09:58:36



DRILL STEM TEST REPORT

Prepared For: **Palomino Petro., Inc.**

4924 SE 84th St
Newton KS 67114

ATTN: Jerry Smith

Cochise-Sioux #1

31-21s-4e Marion,KS

Start Date: 2013.12.07 @ 18:05:00

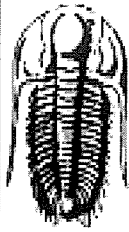
End Date: 2013.12.08 @ 03:05:00

Job Ticket #: 55482 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.12.11 @ 09:58:02

Palomino Petro., Inc. 31-21s-4e Marion,KS Cochise-Sioux #1 DST # 2 Hunton 2013.12.07



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petro., Inc.

31-21s-4e Marion,KS

4924 SE 84th St
New ton KS 67114

Cochise-Sioux #1

Job Ticket: 55482

DST#: 2

ATTN: Jerry Smith

Test Start: 2013.12.07 @ 18:05:00

GENERAL INFORMATION:

Formation: **Hunton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:49:45

Time Test Ended: 03:05:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: **2460.00 ft (KB) To 2503.00 ft (KB) (TVD)**

Reference Elevations: 1346.00 ft (KB)

Total Depth: 2503.00 ft (KB) (TVD)

1340.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8736 Outside

Press@RunDepth: 930.64 psig @ 2461.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.07

End Date:

2013.12.08

Last Calib.: 2013.12.08

Start Time: 18:05:05

End Time:

03:05:00

Time On Btm: 2013.12.07 @ 21:49:15

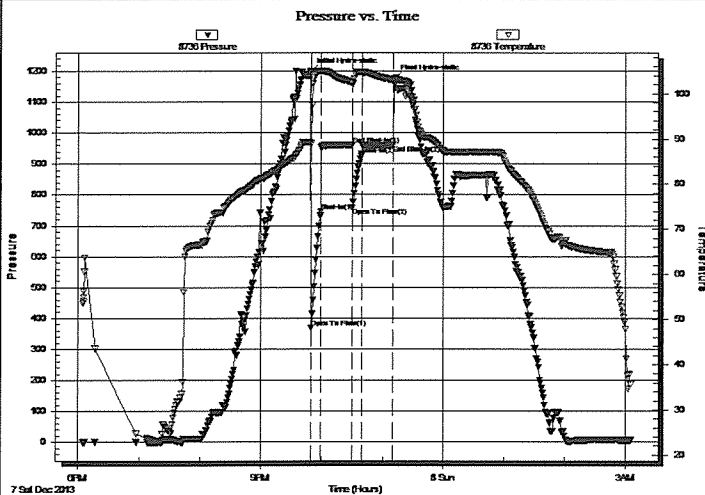
Time Off Btm: 2013.12.07 @ 23:11:15

TEST COMMENT: IF-BOB in 15 sec

IS-No blow

FF-BOB in 15 sec

FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1197.60	89.08	Initial Hydro-static
1	367.97	88.98	Open To Flow (1)
10	745.72	105.01	Shut-In(1)
41	961.00	102.42	End Shut-In(1)
41	758.44	102.28	Open To Flow (2)
50	930.64	104.73	Shut-In(2)
81	961.23	103.04	End Shut-In(2)
82	1174.15	102.48	Final Hydro-static

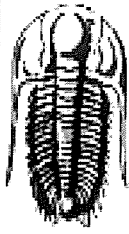
Recovery

Length (ft)	Description	Volume (bbl)
1800.00	Water	18.45
330.00	MW	3.58

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petro., Inc.

31-21s-4e Marion,KS

4924 SE 84th St
New ton KS 67114

Cochise-Sioux #1

Job Ticket: 55482

DST#: 2

ATTN: Jerry Smith

Test Start: 2013.12.07 @ 18:05:00

Tool Information

Drill Pipe:	Length: 2266.00 ft	Diameter: 3.34 inches	Volume: 24.56 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: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	2460.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	71.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2433.00	
Shut In Tool	5.00			2438.00	
Hydraulic tool	5.00			2443.00	
Jars	5.00			2448.00	
Safety Joint	2.00			2450.00	
Packer	5.00			2455.00	28.00 Bottom Of Top Packer
Packer	5.00			2460.00	
Stubb	1.00			2461.00	
Recorder	0.00	6753	Inside	2461.00	
Recorder	0.00	8736	Outside	2461.00	
Perforations	6.00			2467.00	
Change Over Sub	1.00			2468.00	
Drill Pipe	31.00			2499.00	
Change Over Sub	1.00			2500.00	
Bullnose	3.00			2503.00	43.00 Bottom Packers & Anchor

Total Tool Length: 71.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petro., Inc.

31-21s-4e Marion,KS

4924 SE 84th St
New ton KS 67114

Cochise-Sioux #1

Job Ticket: 55482

DST#: 2

ATTN: Jerry Smith

Test Start: 2013.12.07 @ 18:05:00

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:

15000 ppm

Viscosity: 42.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
1800.00	Water	18.453
330.00	MW	3.576

Total Length: 2130.00 ft

Total Volume: 22.029 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

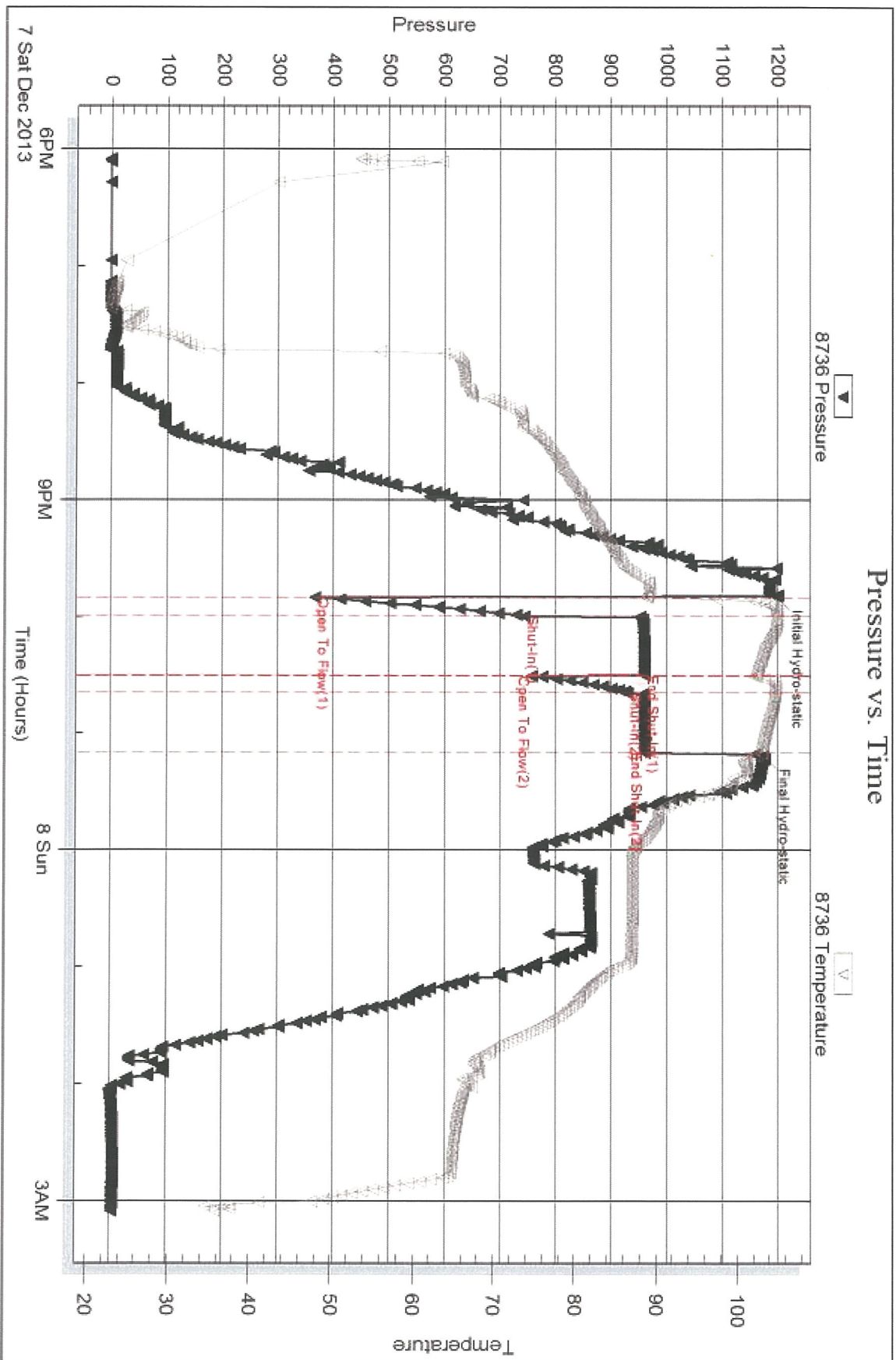
Recovery Comments:

Serial #: 8736

Outside Palomino Petro., Inc.

Cochise-Stoux #1

DST Test Number: 2



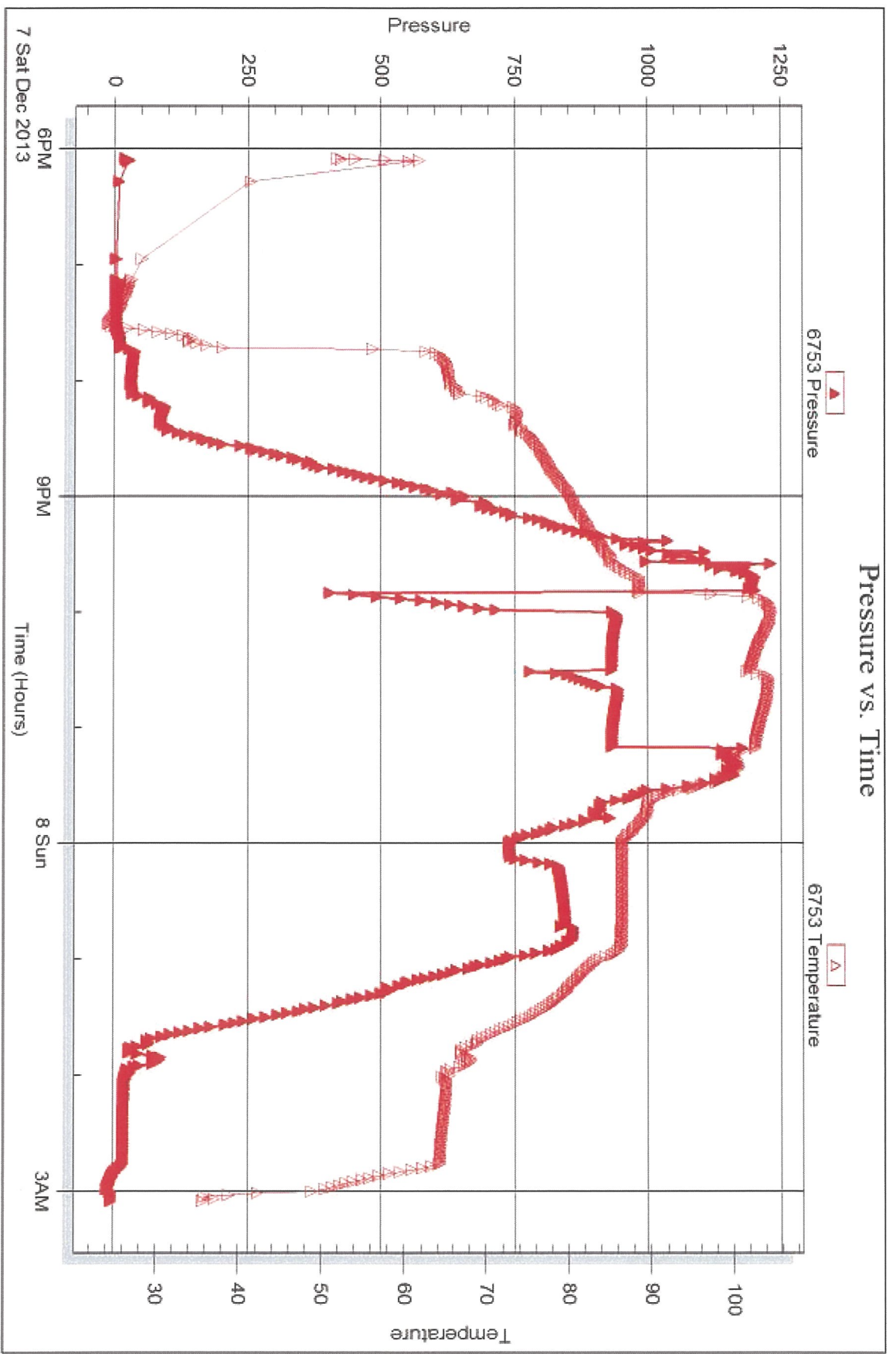
Serial #: 6753

Inside

Palomino Petro., Inc.

Cochise-Stoux #1

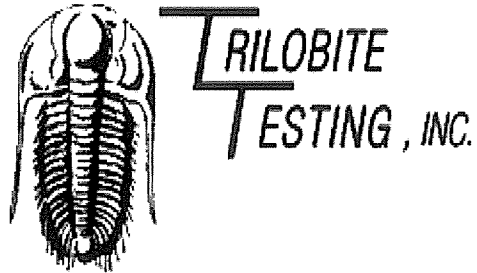
DST Test Number: 2



Tribbitt Testing, Inc

Ref. No: 55482

Printed: 2013 12 11 @ 09:58:05



DRILL STEM TEST REPORT

Prepared For: **Palomino Petro., Inc.**

4924 SE 84th St
Newton KS 67114

ATTN: Jerry Smith

Cochise-Sioux #1

31-21s-4e Marion,KS

Start Date: 2013.12.08 @ 18:25:00

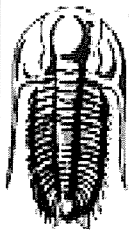
End Date: 2013.12.09 @ 02:57:30

Job Ticket #: 55483 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.12.11 @ 09:57:12

Palomino Petro., Inc. 31-21s-4e Marion,KS Cochise-Sioux #1 DST # 3 Simpson Sand 2013.12.08



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petro., Inc.

31-21s-4e Marion,KS

4924 SE 84th St
New ton KS 67114

Cochise-Sioux #1

Job Ticket: 55483

DST#: 3

ATTN: Jerry Smith

Test Start: 2013.12.08 @ 18:25:00

GENERAL INFORMATION:

Formation: **Simpson Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:19:30

Time Test Ended: 02:57:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: **2610.00 ft (KB) To 2630.00 ft (KB) (TVD)**

Reference Elevations: 1346.00 ft (KB)

Total Depth: 2630.00 ft (KB) (TVD)

1340.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8736 Outside

Press@RunDepth: 481.72 psig @ 2611.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.08

End Date:

2013.12.09

Last Calib.: 2013.12.09

Start Time: 18:25:05

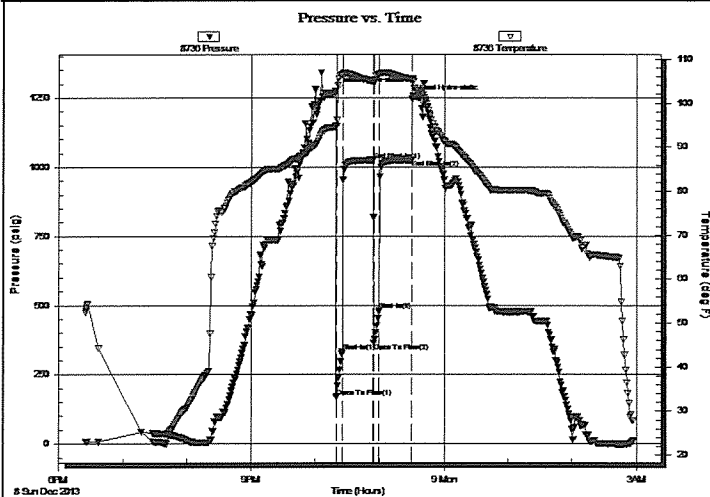
End Time:

02:57:30

Time On Btm: 2013.12.08 @ 22:19:00

Time Off Btm: 2013.12.08 @ 23:30:30

TEST COMMENT: IF-BOB in 30 sec
IS-No blow
FF-BOB in 30 sec
FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1275.28	94.81	Initial Hydro-static
1	168.66	94.61	Open To Flow (1)
6	331.86	106.48	Shut-In(1)
35	1025.55	104.89	End Shut-In(1)
35	362.04	104.64	Open To Flow (2)
40	481.72	106.57	Shut-In(2)
71	1025.77	105.47	End Shut-In(2)
72	1247.73	105.28	Final Hydro-static

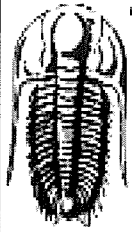
Recovery

Length (ft)	Description	Volume (bbl)
590.00	Water	5.34
90.00	MW	0.98

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petro., Inc.

31-21s-4e Marion,KS

4924 SE 84th St
New ton KS 67114

Cochise-Sioux #1

Job Ticket: 55483

DST#: 3

ATTN: Jerry Smith

Test Start: 2013.12.08 @ 18:25:00

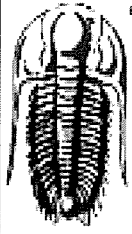
Tool Information

Drill Pipe:	Length: 2422.00 ft	Diameter: 3.34 inches	Volume: 26.25 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: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 42000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	2610.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2583.00	
Shut In Tool	5.00			2588.00	
Hydraulic tool	5.00			2593.00	
Jars	5.00			2598.00	
Safety Joint	2.00			2600.00	
Packer	5.00			2605.00	28.00 Bottom Of Top Packer
Packer	5.00			2610.00	
Stubb	1.00			2611.00	
Recorder	0.00	6753	Inside	2611.00	
Recorder	0.00	8736	Outside	2611.00	
Perforations	16.00			2627.00	
Bullnose	3.00			2630.00	20.00 Bottom Packers & Anchor

Total Tool Length: 48.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petro., Inc.
4924 SE 84th St
New ton KS 67114
ATTN: Jerry Smith

31-21s-4e Marion,KS
Cochise-Sioux #1
Job Ticket: 55483 **DST#: 3**
Test Start: 2013.12.08 @ 18:25:00

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:	14000 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
590.00	Water	5.340
90.00	MW	0.975

Total Length: 680.00 ft Total Volume: 6.315 bbl

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

Laboratory Name: Laboratory Location:

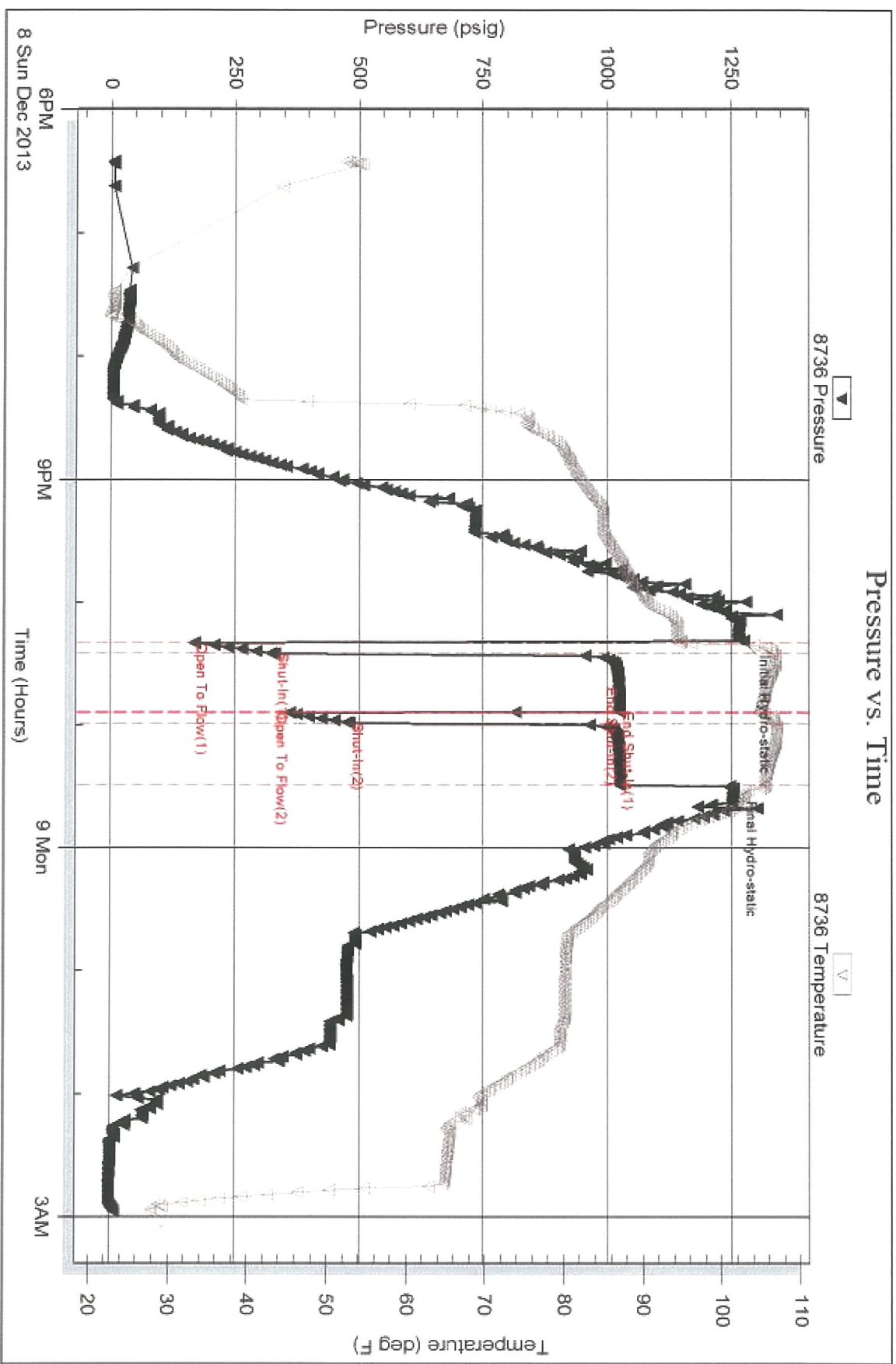
Recovery Comments:

Serial #: 8736

Outside Palomino Petro., Inc.

Cochise-Stoux #1

DST Test Number: 3



Tribolite Testing, Inc

Ref. No: 55483

Printed: 2013.12.11 @ 09:57:14

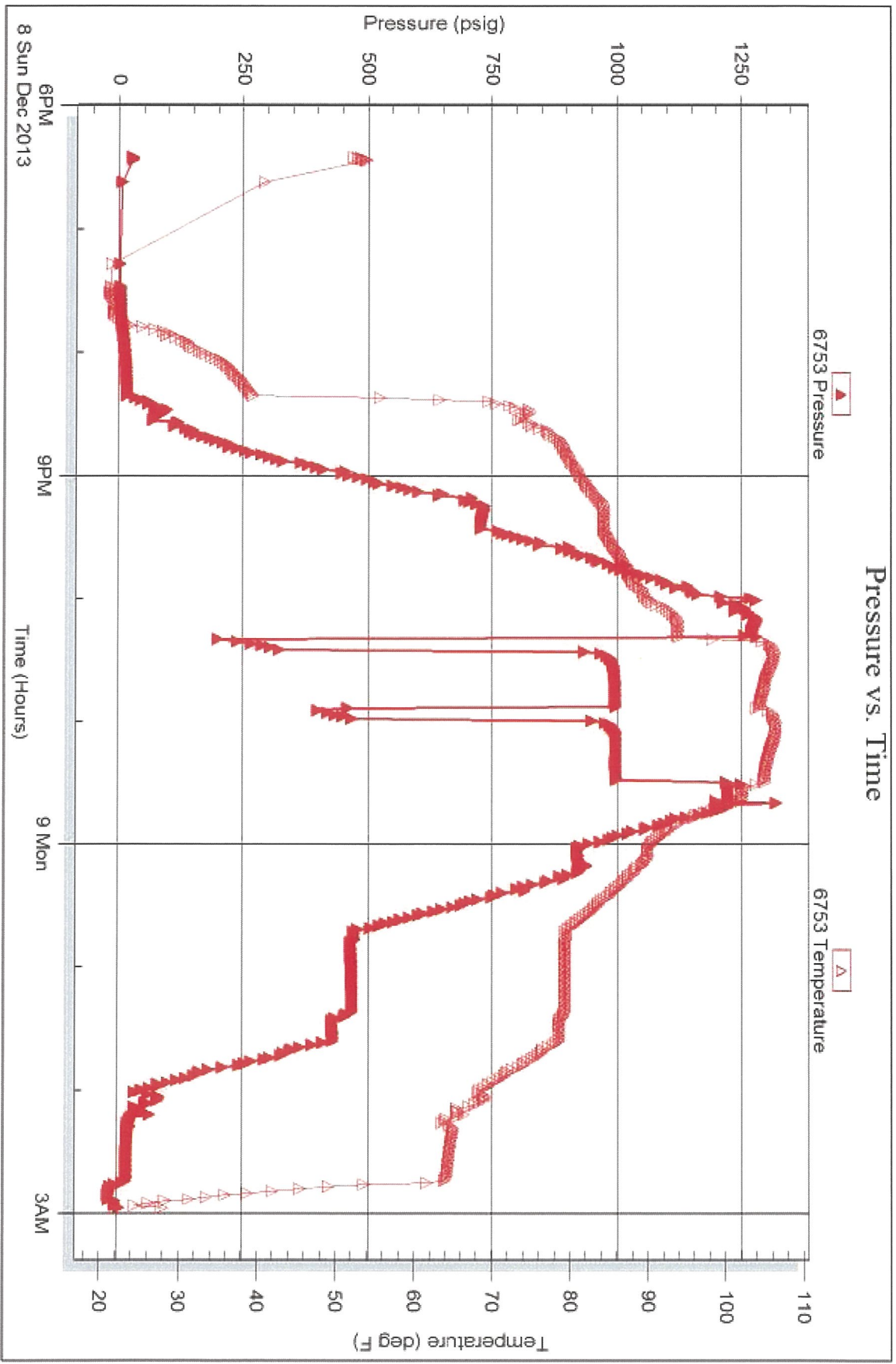
Serial #: 6753

Inside

Palomino Petro., Inc.

Cochise-Stoux #1

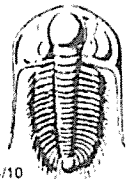
DST Test Number: 3



Tribble Testing, Inc

Ref. No: 55483

Printed: 2013.12.11 @ 09:57:15



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55481

Well Name & No. Cochise - Sioux #1 Test No. 1 Date 12/2/13
 Company Palomina Petroleum, Inc. Elevation 1346 KB 1340 GL
 Address 4924 SE 84th ST Newton KS 67114
 Co. Rep / Geo. Jerry Smith Rig C + G #1
 Location: Sec. 31 Twp. 21 Rge. 4 Co. Marion State KS

Interval Tested 2295 - 2340 Zone Tested Miss
 Anchor Length 45 Drill Pipe Run 178 Mud Wt. 9.2
 Top Packer Depth 2290 Drill Collars Run 178 Vis 42
 Bottom Packer Depth 2295 Wt. Pipe Run --- WL 8.8
 Total Depth 2340 Chlorides 1,700 ppm System LCM 2

Blow Description IF - 2 in blow
ISI - No blow
FF - Very weak surface blow
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>WPCN</u>	<u>5</u>		<u>95</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

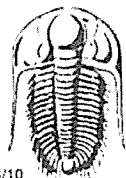
Rec Total 45 BHT 90 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1132 Test 1150 T-On Location 11:10
 (B) First Initial Flow 17 Jars 250 T-Started 11:55
 (C) First Final Flow 28 Safety Joint 75 T-Open 14:03
 (D) Initial Shut-In 634 Circ Sub _____ T-Pulled 16:03
 (E) Second Initial Flow 32 Hourly Standby _____ T-Out 4:25
 (F) Second Final Flow 642 Mileage 246RT 381.30 Comments out of town 5 days
 (G) Final Shut-In 623 Sampler _____
 (H) Final Hydrostatic 1117 Straddle _____
 Shale Packer _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Copies _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Sub Total 0
 Total 1856.30
 MP/DST Disc't _____
 Sub Total 1856.30

Approved By _____ Our Representative Bert Dickinson

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. 55482

Well Name & No. Cochise - Sioux #1 Test No. 2 Date 12/7/13
 Company Palomino Petroleum, Inc. Elevation 1346 KB 1340 GL
 Address 4974 SE 84th St Newton KS 67444
 Co. Rep / Geo. Jerry Smith Rig C26 #1
 Location: Sec. 31 Twp. 21 Rge. 4 Co. Marion State KS

Interval Tested 2460 - 2503 Zone Tested Hunter
 Anchor Length 43 Drill Pipe Run _____ Mud Wt. 9.2
 Top Packer Depth 2455 Drill Collars Run 175 Vis 42
 Bottom Packer Depth 2460 Wt. Pipe Run _____ WL 8.8
 Total Depth 2503 Chlorides 1,700 ppm System LCM 2

Blow Description IF - BOB in 15 sec
ISJ - No blow
FF - BOB in 15 sec
FSJ - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>330</u>	<u>MW</u>				
<u>1800</u>	<u>water</u>				
_____	_____				
_____	_____				
_____	_____				

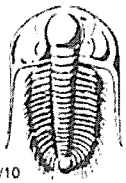
Rec Total 2140 BHT 103 Gravity _____ API RW .6 @ 52 °F Chlorides 15,000 ppm

(A) Initial Hydrostatic 1,198 Test 1150 T-On Location 17:35
 (B) First Initial Flow 368 Jars 250 T-Started 18:05
 (C) First Final Flow 746 Safety Joint 75 T-Open 21:48
 (D) Initial Shut-In 961 Circ Sub 50 T-Pulled 23:08
 (E) Second Initial Flow 758 Hourly Standby _____ T-Out 3:05
 (F) Second Final Flow 931 Mileage 246.7 381.30 Comments reversed out
 (G) Final Shut-In 961 Sampler _____ out of town 5 days
 (H) Final Hydrostatic 1,174 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1906.30
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1906.30

Initial Open 10
 Initial Shut-In 30
 Final Flow 10
 Final Shut-In 30

Approved By _____ Our Representative Beth Dush

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. 55483

Well Name & No. Cochise - Sioux #1 Test No. 3 Date 12/8/13
 Company Palomino Petroleum, Inc. Elevation 1346 KB 1340 GL
 Address 4924 SE 84th ST Newton KS 67114
 Co. Rep / Geo. Jerry Smith Rig C&G #1
 Location: Sec. 31 Twp. 21 Rge. 4 Co. Marion State KS

Interval Tested 2610 - 2630 Zone Tested Simpson Sand
 Anchor Length 20 Drill Pipe Run _____ Mud Wt. 9.3
 Top Packer Depth 2605 Drill Collars Run 178 Vis 45
 Bottom Packer Depth 2610 Wt. Pipe Run _____ WL 8.0
 Total Depth 2630 Chlorides 1,500 ppm System LCM 2 #

Blow Description IF - BOB in 1/2 min
FSI - No blow
FF - BOB in 1/2 min
FSI - N. blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>540</u>	<u>water</u>				
<u>90</u>	<u>MW</u>				
_____	_____				
_____	_____				
_____	_____				

Rec Total 680 BHT 105 Gravity _____ API RW .8 @ 40 °F Chlorides 14,000 ppm

(A) Initial Hydrostatic <u>1,275</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>18:05</u>
(B) First Initial Flow <u>169</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>18:25</u>
(C) First Final Flow <u>332</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>22:17</u>
(D) Initial Shut-In <u>1,026</u>	<input checked="" type="checkbox"/> Circ Sub <u>50</u>	T-Pulled <u>23:27</u>
(E) Second Initial Flow <u>362</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>2:55</u>
(F) Second Final Flow <u>482</u>	<input checked="" type="checkbox"/> Mileage <u>246.7</u> <u>381.30</u>	Comments <u>reversed out</u>
(G) Final Shut-In <u>1,026</u>	<input type="checkbox"/> Sampler _____	<u>load tools 10:00 am</u>
(H) Final Hydrostatic <u>1,247</u>	<input type="checkbox"/> Straddle _____	<u>The 10th out of town</u>

Initial Open 5
 Initial Shut-In 30
 Final Flow 5
 Final Shut-In 30

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 800
 Total 2706.30
 MP/DST Disc't _____
 Sub Total 1906.30

Approved By _____ Our Representative Brett Durbin

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.