

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

8/23/11

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 5086
Name: PINTAIL PETROLEUM,LTD
Address: 225 N. MARKET, STE.300
City/State/Zip: WICHITA, KS 67202
Purchaser: _____
Operator Contact Person: INNES PHILLIPS
Phone: (316) 263-2243
Contractor: Name: MALLARD DRILLING
License: 4958
Wellsite Geologist: JAMES C HESS

KCC
AUG 23 2010
CONFIDENTIAL

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 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./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

7/16/2010 7/23/2010
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 083-21,659-00-00
County: HODGEMAN
SE NW - NW - SW Sec. 214 Twp. 721 S. R. 225 East West
2275 feet from (S) N (circle one) Line of Section
500 feet from E / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW (SW)
Lease Name: VIEUX E Well #: 1
Field Name: STAIRETT

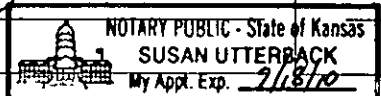
Producing Formation: N/A
Elevation: Ground: 2321 Kelly Bushing: 2326
Total Depth: 4464' Plug Back Total Depth: NA
Amount of Surface Pipe Set and Cemented at 223 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan PANTS 9-10 FD
(Data must be collected from the Reserve Pit)
Chloride content 5000 ppm Fluid volume 480 bbls
Dewatering method used EVAPORATE AND BACKFILL
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: [Signature]
Title: KCC Compliance Officer Date: 8/23/2010
Subscribed and sworn to before me this 23 day of August,
2010.
Notary Public [Signature]
Date Commission Expires: 9/18/10



KCC Office Use ONLY
 Letter of Confidentiality Received 8/23/10 - 8/23/11
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
RECEIVED
AUG 25 2010
KCC WICHITA

Operator Name: PINTAIL PETROLEUM,LTD Lease Name: VIEUX E Well #: 1
 Sec. 714 Twp. 1/21 S. R. 3/25 East West County: HODGEMAN

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" 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>ANHYDRITE</td> <td>1555'</td> <td>+771</td> </tr> <tr> <td>HEEBNER</td> <td>3744'</td> <td>-1418</td> </tr> <tr> <td>LANSING KC</td> <td>3792'</td> <td>-1466</td> </tr> <tr> <td>BASE KC</td> <td>4161'</td> <td>-1835</td> </tr> <tr> <td>FORT SCOTT</td> <td>4328'</td> <td>-2002</td> </tr> <tr> <td>CHEROKEE SHALE</td> <td>4354'</td> <td>-2028</td> </tr> <tr> <td>MISSISSIPPI</td> <td>4450'</td> <td>-2124</td> </tr> </table>	Name	Top	Datum	ANHYDRITE	1555'	+771	HEEBNER	3744'	-1418	LANSING KC	3792'	-1466	BASE KC	4161'	-1835	FORT SCOTT	4328'	-2002	CHEROKEE SHALE	4354'	-2028	MISSISSIPPI	4450'	-2124
Name	Top	Datum																							
ANHYDRITE	1555'	+771																							
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LANSING KC	3792'	-1466																							
BASE KC	4161'	-1835																							
FORT SCOTT	4328'	-2002																							
CHEROKEE SHALE	4354'	-2028																							
MISSISSIPPI	4450'	-2124																							

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
SURFACE	12-1/4"	8-5/8"	23#	223'	COMMON	150	2% GEL 3% CC

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 (Amount and Kind of Material Used)	Depth

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumerd 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

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	_____

RECEIVED
AUG 2 5 2010
KCC WICHITA

ALLIED CEMENTING CO., LLC. 041731

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

KCC
AUG 23 2010

SERVICE POINT:
Russell Ks

DATE <u>7-16-10</u>	SEC <u>14</u>	TWP <u>21</u>	RANGE <u>24 25</u>	CALLED OUT	ON LOCATION	JOB START <u>9:00 PM</u>	JOB FINISH <u>9:30 PM</u>
LEASE <u>Vieux E</u>	WELL # <u>21</u>	LOCATION <u>Ness City S. to Co line</u>		COUNTY <u>HODGAMAN</u>	STATE <u>KANSAS</u>		
OLD OR <input checked="" type="radio"/> NEW (Circle one)		<u>1 S W TO 210 RD. 1 1/2 S</u>					

CONTRACTOR MAILLARD DALG. Rig #

TYPE OF JOB Cement SURFACE

HOLE SIZE 12 1/4 T.D. 223'

CASING SIZE 8 5/8 New DEPTH 223'

TUBING SIZE 2 3/8 DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 300# MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 13 1/4 / BBL

OWNER

CEMENT AMOUNT ORDERED 150s x Com.

2% Gel

3% CC

COMMON	<u>150</u>	@	<u>13.50</u>	<u>2025.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>20.25</u>	<u>60.75</u>
CHLORIDE	<u>5</u>	@	<u>51.50</u>	<u>257.50</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>150</u>	@	<u>2.25</u>	<u>337.50</u>
MILEAGE	<u>110/16/mile</u>			<u>300.00</u>
TOTAL				<u>2980.75</u>

EQUIPMENT

PUMP TRUCK CEMENTER Ciferoy

417 HELPER Heath

BULK TRUCK

456 DRIVER ALVIN

BULK TRUCK

DRIVER

REMARKS:

REN - 5-JTS New 8 5/8 23# CSG,
SET @ 223' ACHIEVED CIRCULATION HOOKED
up TO PUMP TRUCK & mixed 150s x.
Com, 3+2, Release plug & Displace
13 1/4 BBL, Cement DID CIRCULATE

THANK'S

CHARGE TO: PINTAIL PETROLEUM

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>991.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>13</u>	@	<u>7.00</u>
MANIFOLD		@	
		@	
		@	
TOTAL <u>1082.00</u>			

RECEIVED
AUG 25 2010
KCC WICHITA

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
TOTAL _____			

To Allied Cementing Co., 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 Kent Urban

SIGNATURE [Signature]

SALES TAX (If Any) _____

TOTAL CHARGES [scribble]

DISCOUNT _____ IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 036781

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

KCC
AUG 2 8 2010

SERVICE POINT:

Great Bend KS

DATE <u>7-23-10</u>	SEC.	TWP.	RANGE	CALLED OUT <u>CONFIDENTIAL</u>	ON LOCATION	JOB START <u>4:00 PM</u>	JOB FINISH <u>5:00 PM</u>
LEASE <u>Vieux E</u>	WELL # <u>1X</u>	LOCATION <u>Ness City 4S South</u>			COUNTY <u>Hodgeman</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			To combine 1 South 8 West 1 1/2 South				

CONTRACTOR Mallard

TYPE OF JOB Rotary Plus

HOLE SIZE 7 7/8 T.D. 4464

CASING SIZE 4 1/2 DEPTH 1410

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER Pintail

CEMENT

AMOUNT ORDERED 250 SK 60/40 49%

COMMON	<u>150</u>	@	<u>13.50</u>	<u>2025.00</u>
POZMIX	<u>100</u>	@	<u>7.55</u>	<u>755.00</u>
GEL	<u>8</u>	@	<u>20.25</u>	<u>162.00</u>
CHLORIDE		@		
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>250</u>	@	<u>2.25</u>	<u>562.50</u>
MILEAGE	<u>250 x 21 x .10</u>			<u>525.00</u>
TOTAL				<u>4029.50</u>

EQUIPMENT

PUMP TRUCK CEMENTER Wayne-D

181 HELPER Bob-R

BULK TRUCK

344 DRIVER Matt

BULK TRUCK

_____ DRIVER _____

REMARKS:

1st plus 1610 mix 50SK 5 BBLs

H 3/8 12 BBLs Rismud

2nd plus 720 mix 80SK Dis 4 BBLs

3rd plus 270 mix 50SK Dis .25

4th plus 60 mix 20SK

Rot hole mix 30SK

Mouse mix 20SK

SERVICE

DEPTH OF JOB	<u>1410</u>		
PUMP TRUCK CHARGE			<u>990.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>21</u>	@	<u>7.00 147.00</u>
MANIFOLD		@	
		@	
		@	
TOTAL <u>1137.00</u>			

CHARGE TO: Pintail

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL _____		

RECEIVED
AUG 25 2010
KCC WICHITA

To Allied Cementing Co., 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.

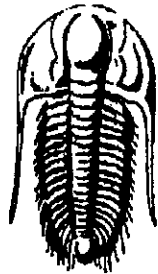
SALES TAX (If Any) _____

TOTAL CHARGES [scribble]

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME Kent Urban

SIGNATURE [Signature]



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum LTD**

225 N Market Ste 300
Wichita Ks 67202

ATTN: Jamie Hess

14 21 25 Hodgeman KS

Vieux E #1

Start Date: 2010.07.22 @ 13:41:24

End Date: 2010.07.22 @ 19:27:24

Job Ticket #: 36810 DST #: 1

KCC
AUG 23 2010
CONFIDENTIAL

RECEIVED
AUG 25 2010
KCC WICHITA

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Pintail Petroleum LTD

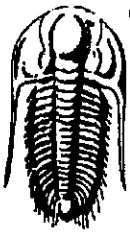
Vieux #2

14 21 25 Hodgeman KS

DST # 1

Miss

2010.07.22



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Pintail Petroleum LTD

225 N Market Ste 300
Wichita Ks 67202

ATTN: Jamie Hess

Vieux #2

14 21 25 Hodgeman KS

Job Ticket: 36810

DST#: 1

Test Start: 2010.07.22 @ 13:41:24

GENERAL INFORMATION:

Formation: Miss

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:24:54

Time Test Ended: 19:27:24

Interval: 4447.00 ft (KB) To 4457.00 ft (KB) (TVD)

Total Depth: 4457.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Test Type: Conventional Bottom Hole

Tester: Brett Dickinson

Unit No: 47

Reference Elevations: 2327.00 ft (KB)

2322.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8369

Inside

Press@RunDepth: 42.47 psig @ 4454.00 ft (KB)

Start Date: 2010.07.22

End Date:

2010.07.22

Start Time: 13:41:29

End Time:

19:27:23

Capacity: 8000.00 psig

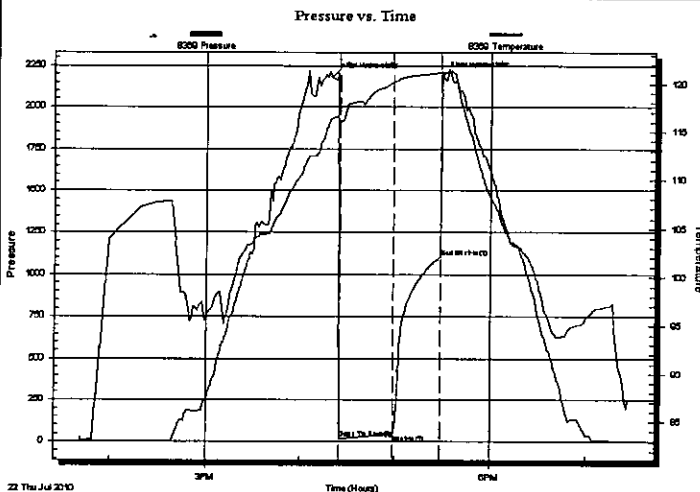
Last Calib.: 2010.07.22

Time On Btm: 2010.07.22 @ 16:19:54

Time Off Btm: 2010.07.22 @ 17:30:24

TEST COMMENT: IF-1.25in blow

IS-No blow



PRESSURE SUMMARY

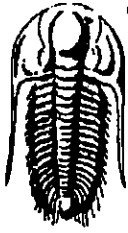
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2183.01	116.44	Initial Hydro-static
5	17.12	115.80	Open To Flow (1)
39	42.47	120.18	Shut-In(1)
69	1100.80	121.18	End Shut-In(1)
71	2193.52	121.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	Oilscum VSWCM 10%W 90%M	0.31
2.00	Free Oil	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum LTD
225 N Market Ste 300
Wichita Ks 67202
ATTN: Jamie Hess

Vieux #2
14 21 25 Hodgeman KS
Job Ticket: 36810 DST#: 1
Test Start: 2010.07.22 @ 13:41:24

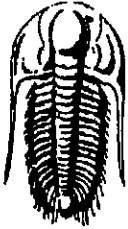
Tool Information

Drill Pipe:	Length: 4197.00 ft	Diameter: 3.80 inches	Volume: 58.87 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: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4447.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	33.00 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			4425.00	
Shut In Tool	5.00			4430.00	
Hydraulic tool	5.00			4435.00	
Safety Joint	3.00			4438.00	
Facker	4.00			4442.00	23.00 Bottom Of Top Packer
Packer	5.00			4447.00	
Stubb	1.00			4448.00	
Perforations	6.00			4454.00	
Recorder	0.00	6719	inside	4454.00	
Recorder	0.00	8369	inside	4454.00	
Bullnose	3.00			4457.00	10.00 Bottom Packers & Anchor

Total Tool Length: 33.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum LTD
225 N Market Ste 300
Wichita Ks 67202
ATTN: Jamie Hess

Vieux #2
14 21 25 Hodgeman KS
Job Ticket: 36810 **DST#: 1**
Test Start: 2010.07.22 @ 13:41:24

Mud and Cushion Information

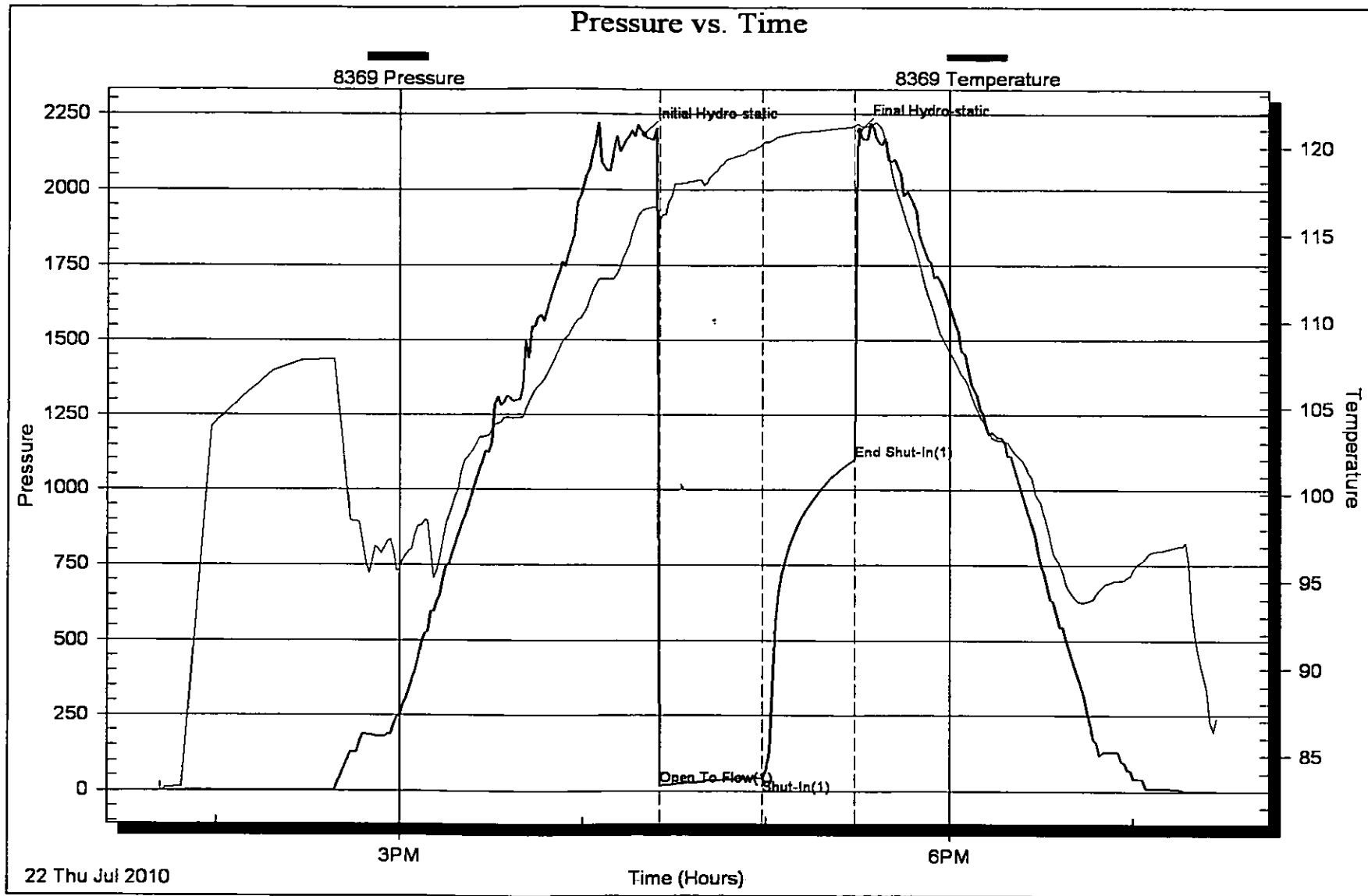
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	13000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: inches			

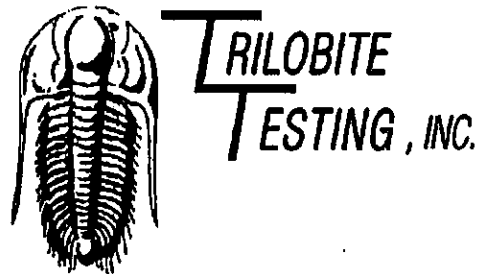
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	Oilscum VSWCM 10%W 90%M	0.310
2.00	Free Oil	0.010

Total Length: 65.00 ft Total Volume: 0.320 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum LTD**

225 N Market Ste 300
Wichita Ks 67202

ATTN: Jamie Hess

14 21 25 Hodgeman KS

Vieux #2

Start Date: 2010.07.22 @ 23:28:51

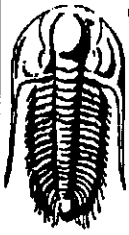
End Date: 2010.07.23 @ 07:19:21

Job Ticket #: 36811 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Pintail Petroleum LTD
225 N Market Ste 300
Wichita Ks 67202
ATTN: Jamie Hess

Vieux #2
14 21 25 Hodgeman KS
Job Ticket: 36811 DST#: 2
Test Start: 2010.07.22 @ 23:28:51

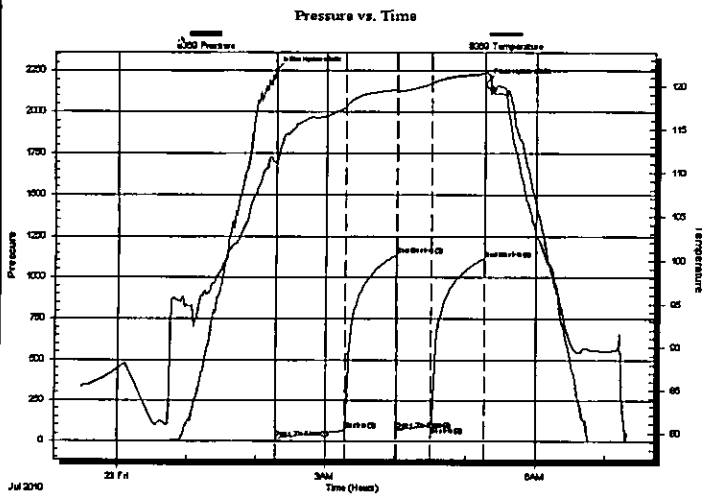
GENERAL INFORMATION:

Formation: Miss
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:16:51
Time Test Ended: 07:19:21
Interval: 4447.00 ft (KB) To 4464.00 ft (KB) (TVD)
Total Depth: 4464.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 5.00 ft

Test Type: Conventional Bottom Hole
Tester: Brett Dickinson
Unit No: 47
Reference Elevations: 2327.00 ft (KB)
2322.00 ft (CF)

Serial #: 8369 Inside
Press@RunDepth: 90.60 psig @ 4461.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.07.22 End Date: 2010.07.23 Last Calib.: 2010.07.23
Start Time: 23:28:56 End Time: 07:19:20 Time On Btm: 2010.07.23 @ 02:15:51
Time Off Btm: 2010.07.23 @ 05:16:50

TEST COMMENT: IF-1.5in blow
ISI-No blow
FF-No Blow
FSI_No blow



PRESSURE SUMMARY

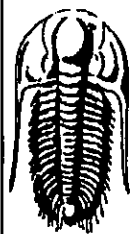
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2254.03	111.35	Initial Hydro-static
1	17.35	110.93	Open To Flow (1)
61	65.67	117.56	Shut-In(1)
105	1136.81	119.58	End Shut-In(1)
106	68.90	119.20	Open To Flow (2)
135	90.60	120.30	Shut-In(2)
180	1115.89	121.42	End Shut-In(2)
181	2183.98	121.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCW 80%W 20%M	0.30
60.00	Oilspotted WCM 30%W 70%M	0.30
28.00	Oilspotted WCM 45%W 55%M	0.14
2.00	Free Oil	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum LTD

Vieux #2

225 N Market Ste 300
Wichita Ks 67202

14 21 25 Hodgeman KS

Job Ticket: 36811

DST#: 2

ATTN: Jamie Hess

Test Start: 2010.07.22 @ 23:28:51

Tool Information

Drill Pipe:	Length: 4199.00 ft	Diameter: 3.80 inches	Volume: 58.90 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: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4447.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	40.00 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			4425.00	
Shut In Tool	5.00			4430.00	
Hydraulic tool	5.00			4435.00	
Safety Joint	3.00			4438.00	
Packer	4.00			4442.00	23.09 Bottom Of Top Packer
Packer	5.00			4447.00	
Stubb	1.00			4448.00	
Perforations	13.00			4461.00	
Recorder	0.00	6719	Inside	4461.00	
Recorder	0.00	8369	Inside	4461.00	
Bullnose	3.00			4464.00	17.00 Bottom Packers & Anchor

Total Tool Length: 40.00



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FLUID SUMMARY

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14 21 25 Hodgeman KS

Job Ticket: 36811

DST#: 2

ATTN: Jamie Hess

Test Start: 2010.07.22 @ 23:28:51

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:

23000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	MCW 80%W 20%M	0.295
60.00	Oilspotted WCM 30%W 70%M	0.295
28.00	Oilspotted WCM 45%W 55%M	0.138
2.00	Free Oil	0.010

Total Length: 150.00 ft

Total Volume: 0.738 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

