

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum,ltd.**

225 N.Market suite 300
Wichita,Kansas.67202

ATTN: Innes Phillips

23-33S-8W

Reynolds Engle #1-23

Start Date: 2005.06.11 @ 08:58:44

End Date: 2005.06.11 @ 15:21:44

Job Ticket #: 20709 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Pintail Petroleum,ltd.

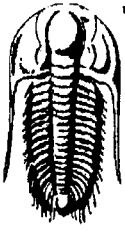
Reynolds Engle #1-23

23-33S-8W

DST # 1

Mississippian

2005.06.11



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Fintail Petroleum, Ltd.
225 N. Market suite 300
Wichita, Kansas. 67202
ATTN: Innes Phillips

Reynolds Engle #1-23
23-33S-8W
Job Ticket: 20709 **DST#: 1**
Test Start: 2005.06.11 @ 08:58:44

GENERAL INFORMATION:

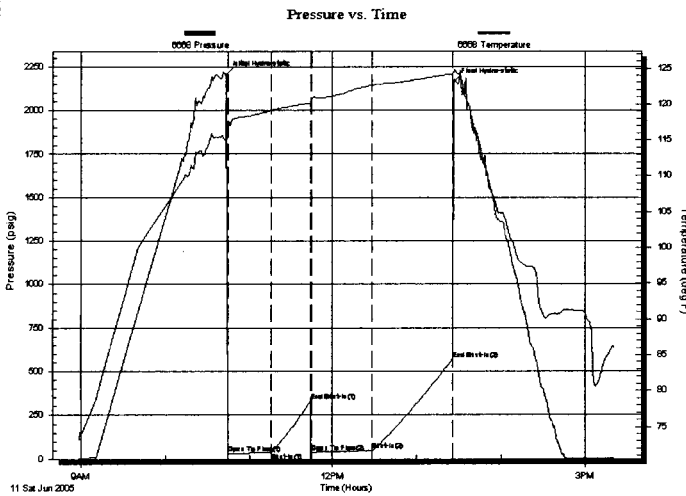
Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:44:59
Time Test Ended: 15:21:44
Test Type: Conventional Bottom Hole
Tester: Darren L. Amerine
Unit No: 30
Interval: **4560.00 ft (KB) To 4680.00 ft (KB) (TVD)**
Total Depth: 4680.00 ft (KB) (TVD)
Reference Elevations: 1494.00 ft (KB)
1485.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair
KB to GR/CF: 9.00 ft

Serial #: 6668

Inside

Press@RunDepth: 46.77 psig @ 4561.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2005.06.11 End Date: 2005.06.11 Last Calib.: 2005.06.11
Start Time: 08:58:45 End Time: 15:21:44 Time On Btm: 2005.06.11 @ 10:43:29
Time Off Btm: 2005.06.11 @ 13:26:29

TEST COMMENT: IF: Fair blow b.o.b in 105 sec.
IS: Bled down n for 5 mins. no blow back.
FF: Strong blow b.o.b in 20 sec.
FS: Bled down n for 5 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2204.86	114.98	Initial Hydro-static
2	31.50	117.31	Open To Flow (1)
33	39.25	119.16	Shut-In (1)
61	329.30	120.17	End Shut-In (1)
62	37.91	120.78	Open To Flow (2)
105	46.77	122.67	Shut-In (2)
163	569.97	124.20	End Shut-In (2)
163	2158.64	124.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1800' of gip	0.00
70.00	VSOCGM 15% gas 2% oil 83% mud	0.98

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Fintail Petroleum, Ltd.
225 N. Market suite 300
Wichita, Kansas. 67202
ATTN: Innes Phillips

Reynolds Engle #1-23
23-33S-8W
Job Ticket: 20709 **DST#: 1**
Test Start: 2005.06.11 @ 08:58:44

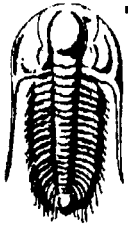
Tool Information

Drill Pipe:	Length: 4561.00 ft	Diameter: 3.80 inches	Volume: 63.98 bbl	Tool Weight: 2100.00 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: lb
			<u>Total Volume: 63.98 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4560.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	120.00 ft			
Tool Length:	141.00 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			4540.00	
Shut In Tool	5.00			4545.00	
Hydraulic tool	5.00			4550.00	
Packer	5.00			4555.00	21.00 Bottom Of Top Packer
Packer	5.00			4560.00	
Stubb	1.00			4561.00	
Recorder	0.00	6668	Inside	4561.00	
Anchor	23.00			4584.00	
Recorder	0.00	13266	Outside	4584.00	
Blank Spacing	93.00			4677.00	
Bullnose	3.00			4680.00	120.00 Bottom Packers & Anchor

Total Tool Length: 141.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum, Ltd.
225 N. Market suite 300
Wichita, Kansas. 67202

ATTN: Innes Phillips

Reynolds Engle #1-23
23-33S-8W
Job Ticket: 20709 **DST#: 1**
Test Start: 2005.06.11 @ 08:58:44

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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: 1.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.32 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1800' of gip	0.000
70.00	V SOCGM 15% gas 2% oil 83% mud	0.982

Total Length: 70.00 ft Total Volume: 0.982 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6668

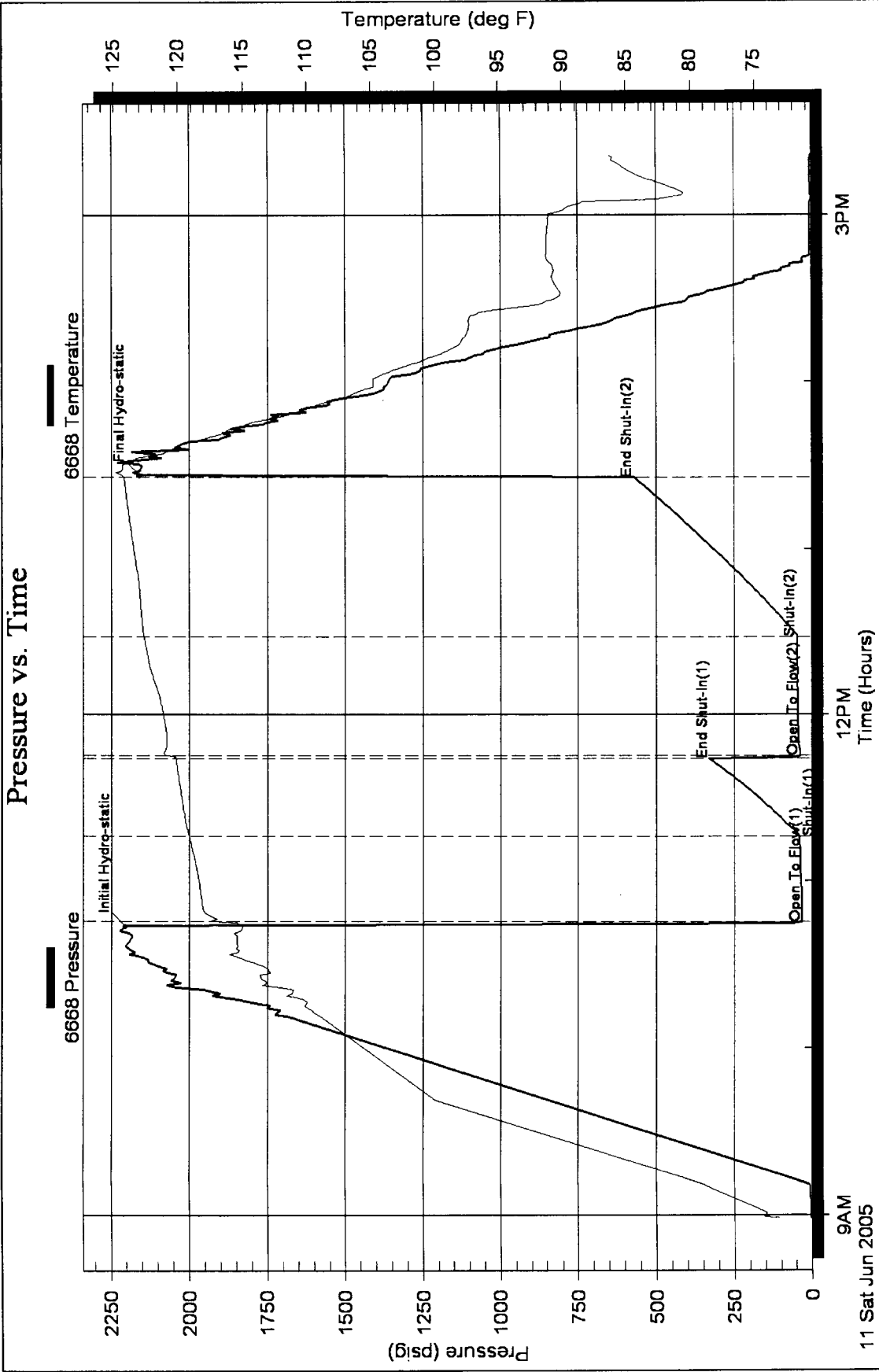
Inside

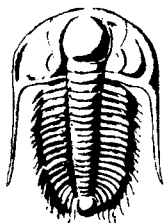
Pintail Petroleum, Ltd.

23-33S-8W

DST Test Number: 1

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

1577

No 20709

05/03

Test Ticket

Well Name & No. Reynolds Engle # 1-23 Test No. #1 Date 6-11-05
 Company Pintail Petroleum, Ltd Zone Tested M.S.S.
 Address 225 N. Market Ste. 300 Wichita, KS 67202 Elevation 1494 KB 1485 GL
 Co. Rep / Geo. JONES Phillips Cont. Southwind Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 23 Twp. 33S Rge. 8W Co. Harper, Co. State KS
 No. of Copies 5 Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4560 - 4680 Initial Str Wt./Lbs. 56000 Unseated Str Wt/Lbs. 56000
 Anchor Length 120' Wt. Set Lbs. 2000 Wt. Pulled Loose/Lbs. 6500
 Top Packer Depth 4555' Tool Weight 2100
 Bottom Packer Depth 4560 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4680 Wt. Pipe Run N/A Drill Collar Run N/A
 Mud Wt. 9.1 LCM 0 - Vis. 48 WL 9.2 Drill Pipe Size 4 1/2 KH Ft. Run 4654

Blow Description FF Fair blow b.o.b in 1-45 sec.
ISI Bled down for 5 mins. No blow back.
FF Strong blow b.o.b in 20 sec.
ISI Bled down 5 mins. No blow back.

Recovery - Total Feet 70' GIP 1800 Ft. in DC N/A Ft. in DP 70'
 Rec. 70' Feet of USOCGM 15% gas 2% oil %water 83 %mud
 Rec. 1800' Feet of BT %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
 BHT 124° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 400 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>2205</u> PSI	<u>6668</u>	<input checked="" type="checkbox"/> <u>1050</u>
(B) First Initial Flow Pressure		<u>32</u> PSI	(depth) <u>4561'</u>	Elec. Rec. <input checked="" type="checkbox"/>
(C) First Final Flow Pressure		<u>39</u> PSI	Recorder No. <u>13266</u>	Jars _____
(D) Initial Shut-In Pressure		<u>329</u> PSI	(depth) <u>4584'</u>	Safety Jt. _____
(E) Second Initial Flow Pressure		<u>38</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>47</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>570</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>2159</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>45</u>	Shale Packer _____
			Final Shut-In <u>60</u>	Mileage <u>130</u>
			T-On Location <u>0800</u>	Sub Total: <u>1180</u>
			T-Started <u>0858</u>	Std. By _____
			T-Open <u>1040</u>	Other _____
			T-Pulled <u>1325</u>	Total: _____
			T-Out _____	

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.

Approved By James Phillips

Our Representative Doreen S. Mcneir