

DRILL STEM TEST REPORT

Prepared For: **Jason Oil Company LLC**

PO Box 701
Russell KS 67665

ATTN: Jim Schoenberger

17 12 14W Russell KS

Steckel # 1

Start Date: 2006.11.04 @ 18:36:12

End Date: 2006.11.05 @ 02:03:12

Job Ticket #: 26122 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Jason Oil Company LLC

PO Box 701
Russell KS 67665

ATTN: Jim Schoenberger

Steckel # 1

17 12 14W Russell KS

Job Ticket: 26122

DST#: 1

Test Start: 2006.11.04 @ 18:36:12

GENERAL INFORMATION:

Formation: L.Kc.-C & D

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:21:42

Time Test Ended: 02:03:12

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: 2784.00 ft (KB) To 2830.00 ft (KB) (TVD)

Total Depth: 2830.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1621.00 ft (KB)

1615.00 ft (CF)

KB to GRVCF: 6.00 ft

Serial #: 8018

Inside

Press@RunDepth: 122.16 psig @ 2789.00 ft (KB)

Start Date: 2006.11.04

End Date:

2006.11.05

Capacity: 7000.00 psig

Last Calib.: 2006.11.05

Start Time: 18:36:17

End Time:

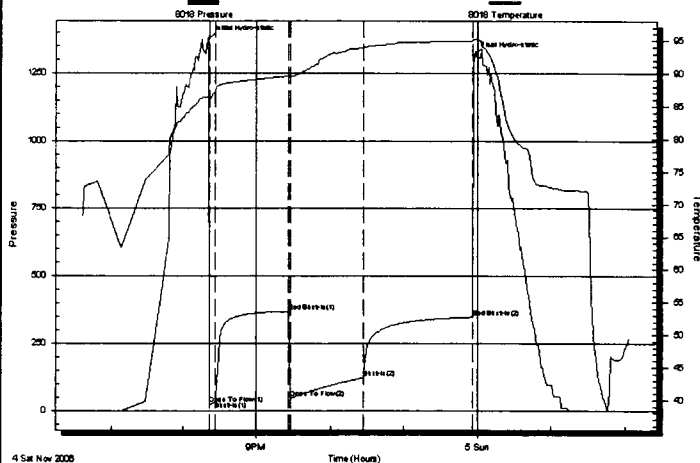
02:03:11

Time On Btm: 2006.11.04 @ 20:21:12

Time Off Btm: 2006.11.04 @ 23:56:42

TEST COMMENT: IF Strong BOB 3 min.
ISI Dead
FF Strong BOB 3 min.
FSI Blow back built 3 "

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1374.44	86.44	Initial Hydro-static
1	25.87	86.16	Open To Flow (1)
5	35.08	87.18	Shut-In(1)
65	369.14	89.57	End Shut-In(1)
66	45.34	89.54	Open To Flow (2)
126	122.16	93.90	Shut-In(2)
215	347.57	94.96	End Shut-In(2)
216	1314.73	95.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	SW	1.74
116.00	GOCM 30%G 20%O 50%M	1.63

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Jason Oil Company LLC

Steckel # 1

PO Box 701
Russell KS 67665

17 12 14W Russell KS

Job Ticket: 26122

DST#: 1

ATTN: Jim Schoenberger

Test Start: 2006.11.04 @ 18:36:12

Tool Information

Drill Pipe:	Length: 2772.00 ft	Diameter: 3.80 inches	Volume: 38.88 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 35000.00 lb
			Total Volume: 38.88 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	2784.00 ft			Final 31000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	64.00 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			2765.00	
Shut In Tool	5.00			2770.00	
Hydraulic tool	5.00			2775.00	
Packer	4.00			2779.00	20.00 Bottom Of Top Packer
Packer	5.00			2784.00	
Stubb	1.00			2785.00	
Perforations	3.00			2788.00	
Change Over Sub	1.00			2789.00	
Recorder	0.00	8018	Inside	2789.00	
Blank Spacing	30.00			2819.00	
Change Over Sub	1.00			2820.00	
Perforations	5.00			2825.00	
Recorder	0.00	13308	Outside	2825.00	
Bullnose	3.00			2828.00	44.00 Bottom Packers & Anchor
Total Tool Length:		64.00			



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Jason Oil Company LLC

Steckel # 1

PO Box 701
Russell KS 67665

17 12 14W Russell KS

Job Ticket: 26122

DST#: 1

ATTN: Jim Schoenberger

Test Start: 2006.11.04 @ 18:36:12

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:

95000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	SW	1.739
116.00	GOOM 30%G 20%O 50%M	1.627

Total Length: 240.00 ft

Total Volume: 3.366 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

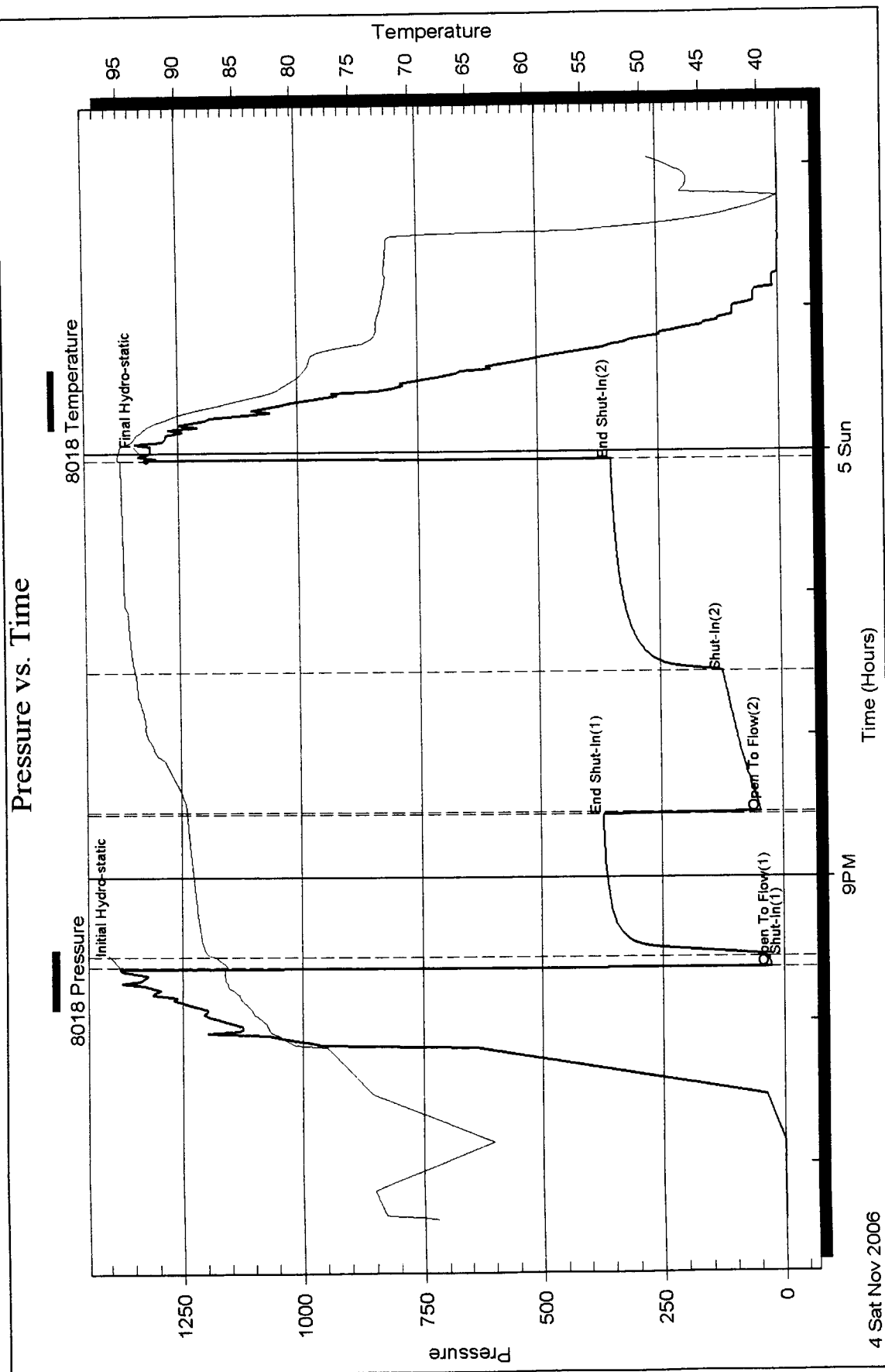
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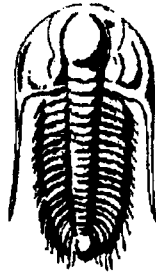
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





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TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Jason Oil Company LLC**

PO Box 701
Russell KS 67665

ATTN: Jim Schoenberger

17 12 14W Russell KS

Steckel # 1

Start Date: 2006.11.05 @ 09:17:03

End Date: 2006.11.05 @ 16:02:03

Job Ticket #: 26123 DST #: 2

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DRILL STEM TEST REPORT

Jason Oil Company LLC

PO Box 701
Russell KS 67665

ATTN: Jim Schoenberger

Steckel # 1

17 12 14W Russell KS

Job Ticket: 26123

DST#: 2

Test Start: 2006.11.05 @ 09:17:03

GENERAL INFORMATION:

Formation: **L.Kc.-G**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 10:38:33

Time Test Ended: 16:02:03

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **31**

Interval: **2861.00 ft (KB) To 2885.00 ft (KB) (TVD)**

Total Depth: **2885.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1621.00 ft (KB)**

1615.00 ft (CF)

KB to GR/CF: **6.00 ft**

Serial #: 8018

Press@RunDepth: **41.93 psig @ 2865.00 ft (KB)**

Start Date: **2006.11.05**

End Date:

2006.11.05

Start Time: **09:17:08**

End Time:

16:02:02

Capacity: **7000.00 psig**

Last Calib.: **2006.11.05**

Time On Btm: **2006.11.05 @ 10:38:03**

Time Off Btm: **2006.11.05 @ 14:13:03**

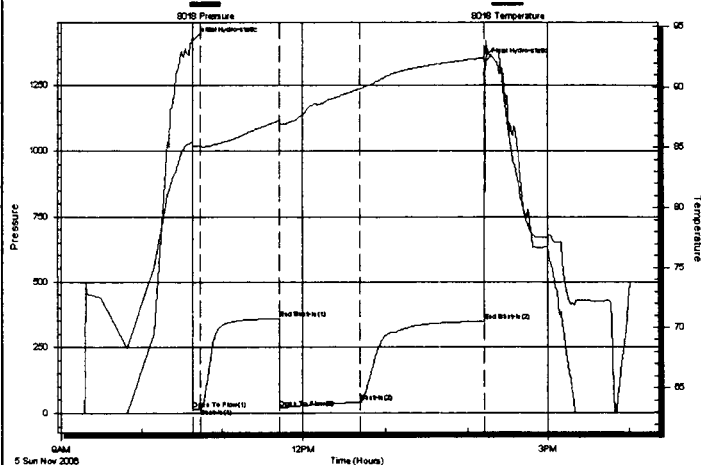
TEST COMMENT: IF Fair built to 5 "

ISI Dead

FF Strong BOB 30 min Decrease to 6 " next 30 min.

FSI Very weak surface blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1421.47	85.43	Initial Hydro-static
1	15.79	85.11	Open To Flow (1)
6	17.98	85.05	Shut-In (1)
65	359.09	87.18	End Shut-In (1)
65	19.45	87.02	Open To Flow (2)
124	41.93	89.84	Shut-In (2)
215	348.70	92.42	End Shut-In (2)
215	1337.99	92.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	GMCO 5%G 45%M 50%Oil	0.98
0.00	260 Gas in pipe	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Jason Oil Company LLC

Steckel # 1

PO Box 701
Russell KS 67665

17 12 14W Russell KS

Job Ticket: 26123

DST#: 2

ATTN: Jim Schoenberger

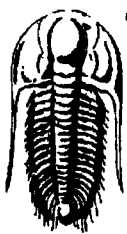
Test Start: 2006.11.05 @ 09:17:03

Tool Information

Drill Pipe:	Length: 2859.00 ft	Diameter: 3.80 inches	Volume: 40.10 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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:	35000.00 lb
		Total Volume:	40.10 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	31000.00 lb
Depth to Top Packer:	2861.00 ft			Final	31000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	24.00 ft				
Tool Length:	44.00 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			2842.00	
Shut In Tool	5.00			2847.00	
Hydraulic tool	5.00			2852.00	
Packer	4.00			2856.00	20.00 Bottom Of Top Packer
Packer	5.00			2861.00	
Stubb	1.00			2862.00	
Perforations	3.00			2865.00	
Recorder	0.00	8018		2865.00	
Perforations	17.00			2882.00	
Recorder	0.00	13308	Outside	2882.00	
Bullnose	3.00			2885.00	24.00 Bottom Packers & Anchor

Total Tool Length: 44.00



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Steckel # 1

PO Box 701
Russell KS 67665

17 12 14W Russell KS

Job Ticket: 26123

DST#: 2

ATTN: Jim Schoenberger

Test Start: 2006.11.05 @ 09:17:03

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: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	GMCO 5%G 45%M 50%Oil	0.982
0.00	260 Gas in pipe	0.000

Total Length: 70.00 ft

Total Volume: 0.982 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

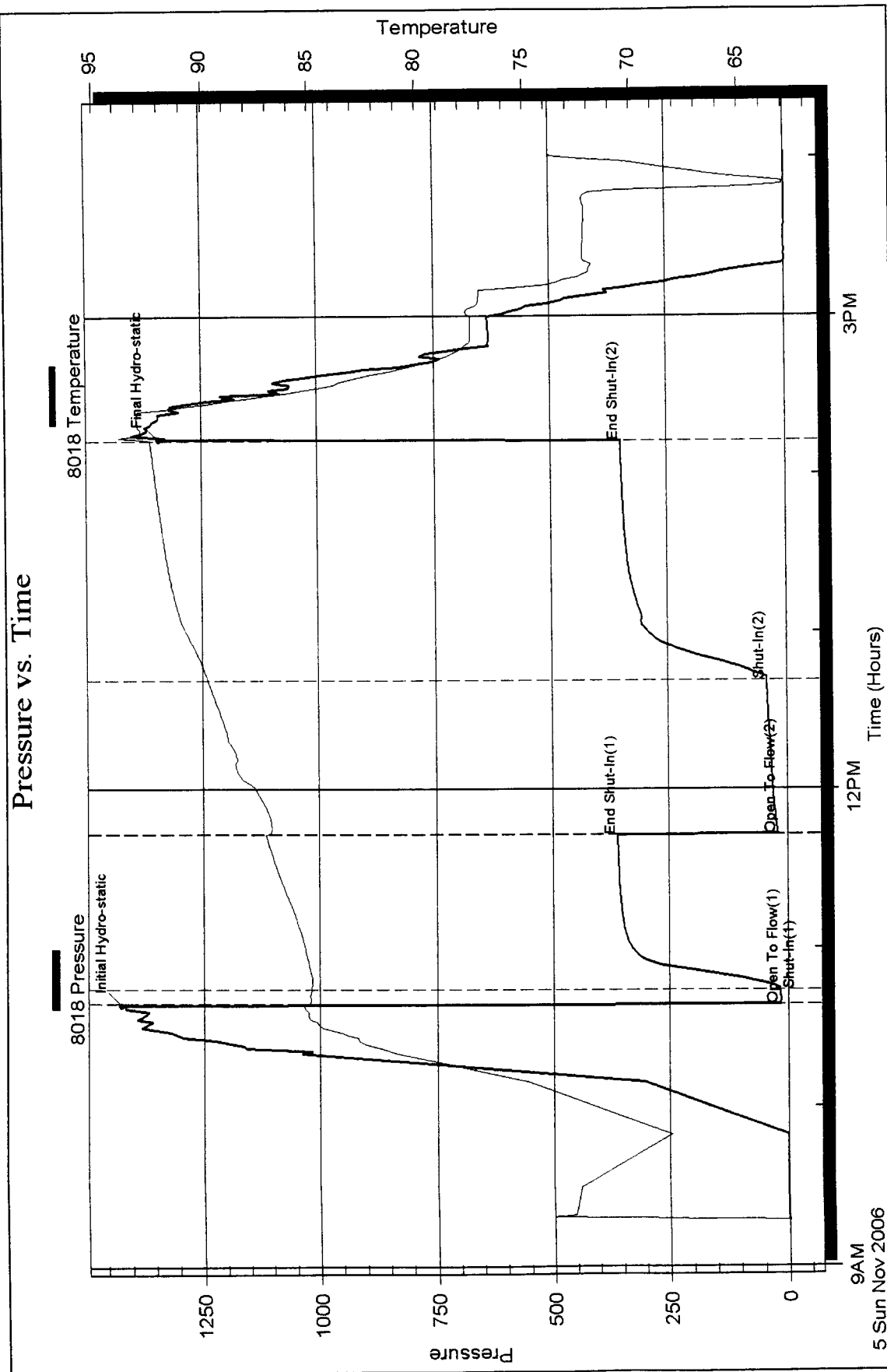
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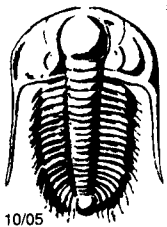
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26122

9484

Test Ticket

Well Name & No. <u>STECKEL #1</u>	Test No. <u>#1</u>	Date <u>11-4-06</u>
Company <u>JASON OIL COMPANY, LLC</u>	Zone Tested <u>L, KC, - C & D</u>	
Address <u>P.O. BOX 701 RUSSELL, KS, 67665</u>	Elevation <u>1609</u> KB <u>1615</u> GL	
Co. Rep / Geo. <u>RANDY KILIAN</u>	Rig <u>VONFELDT</u>	
Location: Sec. <u>17</u> Twp. <u>12S</u> Rge. <u>14W</u>	Co. <u>RUSSELL</u> State <u>KS</u>	
Comment: _____	Release date / time: _____	

Interval Tested <u>2784 To 2830</u>	Initial Str Wt./Lbs. <u>30,000</u>	Unseated Str Wt./Lbs. <u>31,000</u>
Anchor Length <u>46'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>35,000</u>
Top Packer Depth <u>2779</u>	Tool Weight <u>2,200</u>	
Bottom Packer Depth <u>2784</u>	Hole Size <u>7 7/8" ✓</u>	Rubber Size <u>6 3/4" ✓</u>
Total Depth <u>2830</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>0</u>
Mud Wt. <u>9.1</u> LCM <u>1/8"</u> Vis. <u>54</u> WL <u>9.6</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>2772</u>
Blow Description <u>IF-STRONG B.O.B. 3-min. FSI-DEAD</u>		
<u>FF-STRONG B.O.B. 3-min. FSI-BLOW BACK BUILT 3" IN.</u>		

Recovery - Total Feet <u>240</u>	GIP <u>600</u>	Ft. in DC <u>0</u>	Ft. in DP <u>1</u>
Rec. <u>124</u> Feet of <u>S.W</u>	%gas	%oil	%water
Rec. <u>116</u> Feet of <u>60cm</u>	30 %gas	20 %oil	50 %water
Rec. _____ Feet of _____	%gas	%oil	%water
Rec. _____ Feet of _____	%gas	%oil	%water
Rec. _____ Feet of _____	%gas	%oil	%water
BHT <u>94</u> °F Gravity <u>—</u>	*API D @ <u>—</u>	*F Corrected Gravity <u>—</u>	*API
RW <u>.14</u> @ <u>41</u> °F	Chlorides <u>95,000</u> ppm Recovery <u>—</u>	Chlorides <u>4,000</u> ppm System	

(A) Initial Hydrostatic Mud	AK-1 <u>1374</u> PSI	Alpine	Recorder No. <u>8018</u>	Test <u>✓</u> <u>1100</u>
(B) First Initial Flow Pressure	<u>25</u> PSI		(depth) <u>2789</u>	Jars _____
(C) First Final Flow Pressure	<u>35</u> PSI		Recorder No. <u>4084</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>369</u> PSI		(depth) _____	Circ Sub _____
(E) Second Initial Flow Pressure	<u>45</u> PSI		Recorder No. <u>13308</u>	Sampler _____
(F) Second Final Flow Pressure	<u>122</u> PSI		(depth) <u>2827</u>	Straddle _____
(G) Final Shut-In Pressure	<u>347</u> PSI	Initial Opening	<u>5</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1314</u> PSI	Initial Shut-In	<u>60</u>	Shale Packer _____
		Final Flow	<u>60</u>	Ruined Packer _____
		Final Shut-In	<u>90</u>	Mileage <u>RT-80</u> <u>100</u>
		T-On Location	<u>17:00</u>	Sub Total: _____
		T-Started	<u>18:36</u>	Std. By <u>hr</u> <u>100</u>
		T-Open	<u>20:21</u>	Acc. Chg: _____
		T-Pulled	<u>23:56</u>	Other: _____
		T-Out	<u>02:03</u>	Total: <u>1400</u>

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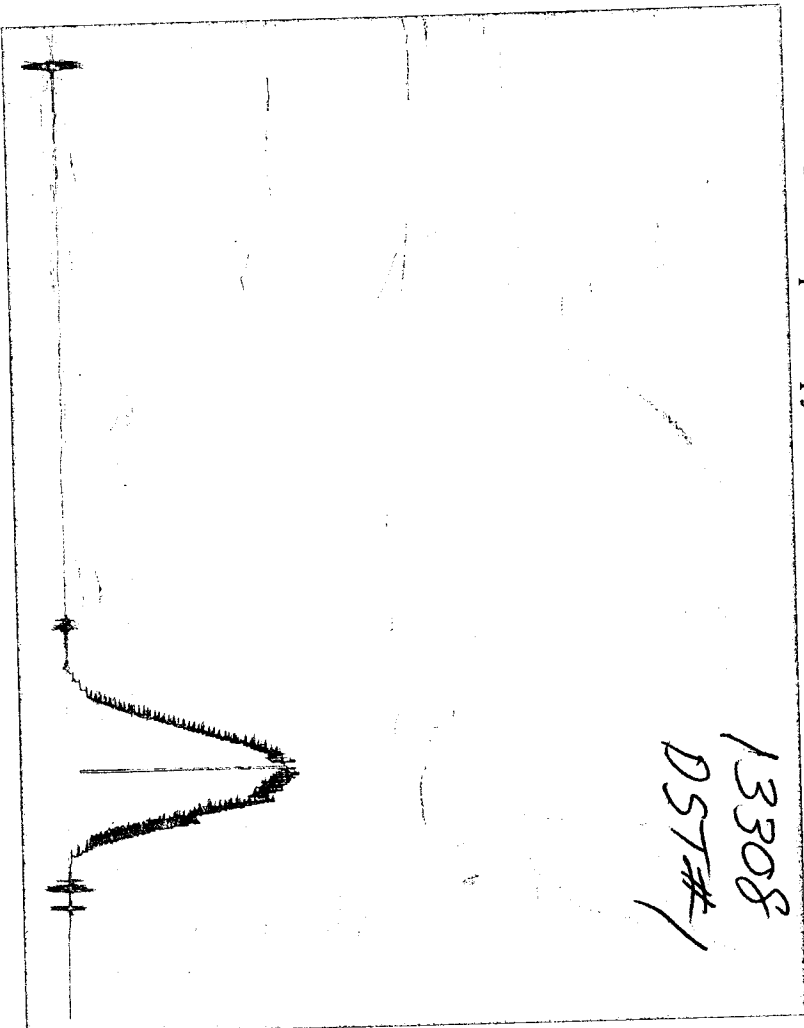
Approved By _____

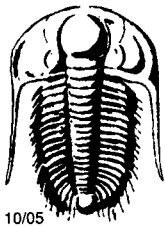
Our Representative John F. Schmidt

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

13308
D57#1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26123

Test Ticket

Well Name & No. <u>STECKEL #1</u>	Test No. <u>#2</u>	Date <u>11-5-06</u>
Company <u>JASON OIL CO., LLC</u>	Zone Tested <u>L.KC - G</u>	
Address _____	Elevation <u>1621</u> KB <u>1615</u> GL	
Co. Rep / Geo. <u>RANDY KILIAN</u>	Rig <u>VONFELDT</u>	
Location: Sec. <u>17</u> Twp. <u>12S</u> Rge. <u>14W</u>	Co. <u>RUSSELL</u>	State <u>KS</u>
Comment: _____	Release date / time: _____	

Interval Tested 2861 To 2885 Initial Str Wt./Lbs. 31,000 Unseated Str Wt./Lbs. 31,000
 Anchor Length 24' Wt. Set Lbs. 2,000 Wt. Pulled Loose/Lbs. 35,000
 Top Packer Depth 2856 Tool Weight 2,200
 Bottom Packer Depth 2861 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 2885 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 9.1 LCM 1/8" Vis. 54 WL 96 Drill Pipe Size 4 1/2 XH Ft. Run 2859
 Blow Description IF - FAIR BUILT TO 5" IN. ISF - DEAD
FF - STRONG B.O.B. 30 DECREASE TO 6" IN 30-MIN.
FSI - VERY WEAK SURFACE BLOWBACK

Recovery - Total Feet 70 GIP 260' Ft. in DC 0 Ft. in DP 70
 Rec. 70 Feet of GMCO 5 %gas 50 %oil %water 45 %mud
 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
 BHT 92 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 4,000 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1421 PSI	Recorder No.	<u>8018</u>	Test ☒	<u>1100</u>
(B) First Initial Flow Pressure			<u>15</u> PSI	(depth)	<u>2865</u>	Jars	
(C) First Final Flow Pressure			<u>17</u> PSI	Recorder No.	<u>13308</u>	Safety Jt.	
(D) Initial Shut-In Pressure			<u>359</u> PSI	(depth)	<u>2882</u>	Circ Sub	
(E) Second Initial Flow Pressure			<u>19</u> PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure			<u>41</u> PSI	(depth)		Straddle	
(G) Final Shut-In Pressure			<u>348</u> PSI	Initial Opening	<u>5</u>	Ext. Packer	
(Q) Final Hydrostatic Mud			<u>1337</u> PSI	Initial Shut-In	<u>60</u>	Shale Packer	

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Approved By _____

Our Representative John J. Schmidt

Final Flow 60
 Final Shut-In 90
 T-On Location 08:45
 T-Started 09:17
 T-Open 10:38
 T-Pulled 14:13
 T-Out 16:02
 Ruined Packer _____
 Mileage RT-28 100
 Sub Total: _____
 Std. By _____
 Acc. Chg: \$1200
 Other: _____
 Total: _____

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

13308
DST#2

